

GM 51536

SUMMARY REPORT, GEOLOGICAL MAPPING , GLACIAL TILL SAMPLING, DIAMOND DRILL LOGS, COLLINE NOIRE BLOCK, EASTMAIN RIVER PROJECT

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Summary Report
Geological Mapping
Glacial Till Sampling
Diamond Drill Logs
Colline Noire Block
Eastmain River Project
Twps. 2434, 2534, NTS 33A/8
for
Kingswood Explorations 1985 Limited

MER - S.I.S.E.M.	1992/12/08
GM 51536	

April 1992



T.J. Beesley

92 35 002

Introduction

This report summarizes the results of exploration on the 105-claim Colline Noire block carried out by Kingswood Exploration 1985 Limited during the summer of 1990 on their Eastmain River Project landholdings.

The unit actively explored was a sulphide-bearing, silicified ultramafic occurring in a volcanic sequence ranging from predominantly basic metavolcanic to felsic tuff in contact with fine metasediment. The sulphide-bearing silicified ultramafic is considered to present a strong analogy with large parts of the gold-mineralized mine sequence at the MSV/Northgate deposit 20 km to the south. Work consisted of geological mapping of outcrop available in the entire claim block, particularly in the basalt-ultramafic-felsic tuff-fine metasediment sequence, a glacial till sampling survey over a 1.0x1.2 km grid established downice from the sulphide-bearing sequences, and a followup diamond drilling program consisting of eight holes, located on accompanying Drawing 1 and described in the accompanying diamond drill logs.

Property, Location and Access

The Kingswood Colline Noire landholdings consist of 105 contiguous mineral claims, as tabled below:

Colline Noire Claims
5067387-5067491 incl

The Colline Noire property is located 210 miles NNE of Chibougamau and 110 miles north of the float airbase at Temiscamie. Access to the property is by float or ski-equipped aircraft from Temiscamie or Chibougamau.

General Geology

The Eastmain River greenstone belt is 100 km-long in an ENE direction and 40 km wide at its widest and consists of two arcuate metavolcanic-metasedimentary folds wrapped around granitic to granodioritic intrusives (Fig. 2), the whole sequence resting on an older metamorphic terrain. The volcanic-sedimentary rocks are tightly folded into overturned synclinal structures which in turn appear refolded into the broad arcuate features. The western end of the belt, overlain by the Eastmain Syndicate West Block, occurs in a tightly folded north-dipping overturned syncline with a structural deformation zone superimposed on the intrusive contact with granodiorite on the north side.

The volcanic rocks are predominantly mafic in composition, massive to pillowed, in contact with intermediate tuffs and fine to coarse clastic metasediments of uncertain age relation. Mafic to ultramafic intrusive rocks, gabbros and pyroxenites, intrude the mafic volcanics locally parallel to strike. At the western end of the belt ultramafic flows (komatiites) are interlayered with the mafic volcanics, exhibiting well-developed spinifex textures locally. A thin rhyolitic tuffaceous unit on a scale

of tens of metres also occurs within the mafic volcanics in places, generally proximal to pyroxenite sills. Persistent sulphide horizons occur as well trending with the mafic volcanics. The thickest and most persistent sulphide units, 3-5m in width, are associated with ultramafic flows in the western end of the belt and mafic and ultramafic intrusive sills towards the centre of the belt in the vicinity of the deposit.

In the western end of the belt a tight synclinal fold has an axis dipping north parallel to the tightly folded stratigraphy at angles of 40-50 degrees. In the south-central part of the belt in the vicinity of the deposit the metavolcanic and metasedimentary rocks are folded into an overturned syncline dipping to the northeast at 40-50 degrees. The northeastern arm of the belt is devoid of ultramafic flows and intrusives, and consists chiefly of mafic metavolcanics, intermediate pyroclastics and oxide and sulphide iron formation. This arm is folded into a broad overturned syncline, at the northeast end dipping 60-70 degrees to the north.

Geology

The rock types encountered on the Colline Noire property are located on the accompanying Dwg. 1, 'Results of Geological Mapping and Glacial Till Sampling and Location of Diamond Drill Holes', and are tabled below.

Table of Formations

I _{1G}	Pegmatite
I _{1C}	Lac Cadieux Granite
1D	Granodiorite, unfoliated
	INTRUSIVE CONTACT
13A	Gabbro
	INTRUSIVE CONTACT
V ₁	Felsic Tuff
V ₁	Ultramafic-Actinolite schist
V ₄	Basic Metavolcanic
V ₆	Unconformity(?)
S ₂	Fine metasediment

The rock sequence occurs in an overturned syncline striking northeast and dipping 50°-60° southeast. The silicified and sulphide-mineralized ultramafic unit was the target of the diamond drilling.

The succession of rock units appears to be as follows:-

Younger	Basalt
	Ultramafic (pyroxenite)
	Felsic Tuff
	Intrusive Contact
	Granodiorite
	Faulted Contact
	Fine-grained Clastic Metasediment

The metasediment is a 20% biotite/80% quartz grey fine dirty quartzite or metapelite. The granodiorite is a fine to medium-grained greyish-green feldspar-quartz-biotite rock elongated parallel to the country rock trend. The felsic tuff is a white to buff fine-grained to aphanitic banded siliceous to sericitic pyroclastic, 50+m in thickness. The ultramafic unit is a dark green medium to coarse-grained augite pyroxenite sill, usually hydrothermally altered to mid-green actinolite schist, from less than 5m to 15m in thickness. The basalt is a dark-green fine-grained to aphanitic mafic metavolcanic, massive to pillowed.

Structurally, on this property, as is common in the camp, the schistosity, foliation, bedding, shearing and faulting are all parallel to slightly oblique to each other, in this case striking NE with a 50°-60° southeasterly dip. The rocks form an overturned to the west syncline with the axial plane dipping 50°-60° SE.

Sulphide mineralization on the east limb of the fold occurs in a gossanous horizon (structural (?)) up to several m thick consisting of graphite with pyrite and pyrrhotite thought to possess little economic potential. The second sulphide-bearing horizon occurs on both limbs in actinolite schist near the contact with basalt. A silicified or chertified zone(s) to several m-wide contains disseminated to massive pyrrhotite-pyrite with trace chalcopyrite-sphalerite, +/- red garnets. This alteration and mineralization are reminiscent of parts of the MSV/Northgate orebody, but no anomalous gold values were achieved.

Geochemical Glacial Till Sampling

The geochemical glacial till sampling survey was conducted on a low knoll or lobe of shallow glacial till covered by small alder vegetation down-ice (225°) from sulphide-mineralized bedrock. The survey was meant to detect gold and related arsenic, copper and zinc mineralization. The material sampled was fresh grey-green glacial till, beneath the effects of surface weathering. A total of 105 samples of glacial till was taken and analyzed for gold, silver, copper, lead, zinc, arsenic and antimony. Two threshold anomalous Au values (33 and 44 ppb) were recorded down-ice from the drill zone, on the eastern limb of the fold. Only two threshold anomalous values of other metals were encountered, a 110 ppm Cu adjacent to the 44 ppb Au and a 29.6 ppm As adjacent to the 33 ppb Au. These results indicate some Au potential remains in the eastern side sulphide horizons.

The rock sequence occurs in an overturned syncline striking northeast and dipping 50° - 60° southeast. The silicified and sulphide-mineralized ultramafic unit was the target of the diamond drilling.

Glacial Till Sampling

The till in the Colline Noire Block downice from the ultramafic horizons is generally less than 3m in thickness and thus considered close to site specific for till sampling to identify anomalies near source. Two threshold Au results were achieved, 33 and 44 ppb Au over a threshold of 33 ppb Au and are located on Dwg. 1. The remaining analyses for the 105 sites sampled accompany.



5735 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 PHONE: (416) 890-8566
 FAX: (416) 890-8575

T.J. Beesley
 T.J. BEESLEY GEOLOGICAL SERVICES INC.
 24 Lothian Avenue
 Toronto, ON
 M8Z 4J8

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Sample Id	Au FA/AA1 ppb	Ag AA ppm	Cu AA ppm	Pb AA ppm	Zn AA ppm	As Hyd-AA ppm	Sb Hyd-AA ppm
KI90-0382	9	<0.2	53	4	13	1.9	<0.2
KI90-0383	<2	<0.2	45	4	14	1.3	<0.2
KI90-0384	<2	<0.2	14	4	10	2.1	<0.2
KI90-0385	<2	<0.2	11	10	12	1.6	<0.2
KI90-0386	<2	<0.2	12	6	15	1.9	<0.2
KI90-0387	<2	<0.2	8	6	17	1.1	<0.2
KI90-0388	<2	<0.2	5	4	10	1.3	<0.2
KI90-0389	<2	<0.2	22	4	10	2.9	<0.2
KI90-0390	<2	<0.2	39	4	15	1.6	<0.2
KI90-0391	<2	<0.2	20	2	10	1.1	<0.2
KI90-0392	2	<0.2	19	2	12	1.4	<0.2
KI90-0393	2	<0.2	18	4	13	1.4	<0.2
KI90-0394	<2	<0.2	15	4	12	2.2	<0.2
KI90-0395	<2	<0.2	6	4	10	2.3	<0.2
KI90-0396	<2	<0.2	7	4	15	4.3	<0.2
KI90-0397	<2	<0.2	17	6	22	8.1	<0.2
KI90-0398	<2	<0.2	9	4	12	4.5	<0.2
KI90-0399	2	<0.2	7	4	11	3.6	<0.2
KI90-0400	<2	<0.2	5	4	7	1.9	<0.2
KI90-0401	2	<0.2	8	4	13	3.3	<0.2
KI90-0402	<2	<0.2	6	2	9	3.5	<0.2
KI90-0403	<2	<0.2	12	4	16	3.1	<0.2
KI90-0404	<2	<0.2	22	4	16	2.8	<0.2
KI90-0405	2	<0.2	28	4	16	2.4	<0.2
KI90-0406	2	<0.2	36	4	14	1.5	<0.2
KI90-0407	<2	<0.2	34	2	18	1.5	<0.2
KI90-0408	<2	<0.2	36	2	10	2.3	<0.2
KI90-0409	<2	<0.2	27	2	10	1.4	<0.2
KI90-0410	<2	<0.2	16	2	10	1.3	<0.2
KI90-0411	<2	<0.2	20	4	11	1.3	<0.2



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 MER - SYSTEMES
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 QUÉBEC

92135003



5735 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 PHONE: (416) 890-8566
 FAX: (416) 890-8575

24-Aug-90

T.J. Beesley
 T.J. BEESLEY GEOLOGICAL SERVICES INC.
 24 Lothian Avenue
 Toronto, ON
 M8Z 4J8

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Sample Id	Au	Ag	Cu	Pb	Zn	As	Sb
	FA/AA1 ppb	AA ppm	AA ppm	AA ppm	AA ppm	Hyd-AA ppm	Hyd-AA ppm
KI90-0412	4	<0.2	5	6	13	1.5	<0.2
KI90-0413	<2	<0.2	8	6	21	1.8	<0.2
KI90-0414	2	<0.2	20	4	11	0.7	<0.2
KI90-0415	2	<0.2	3	4	15	1.3	<0.2
KI90-0416	<2	<0.2	7	4	18	1.4	<0.2
KI90-0417	2	<0.2	13	4	9	2.3	<0.2
KI90-0418	<2	<0.2	34	4	13	2.7	<0.2
KI90-0419	2	<0.2	43	4	14	2.2	<0.2
KI90-0420	2	<0.2	21	4	16	1.9	<0.2
KI90-0421	7	<0.2	30	4	16	1.4	<0.2
KI90-0422	2	<0.2	32	4	16	2.0	<0.2
KI90-0423	3	<0.2	25	4	19	2.7	<0.2
KI90-1438	<2	<0.2	6	4	28	1.9	<0.2
KI90-1439	<2	<0.2	7	8	34	0.7	<0.2
KI90-1440	2	<0.2	9	6	23	1.4	<0.2
KI90-1441	<2	<0.2	26	6	13	1.8	<0.2
KI90-1442	<2	<0.2	7	4	13	1.4	<0.2
KI90-1443	3	<0.2	30	6	12	1.8	<0.2
KI90-1444	2	<0.2	26	4	10	1.6	<0.2
KI90-1445	2	<0.2	27	4	13	1.2	<0.2
KI90-1446	4	<0.2	25	6	15	1.6	<0.2
KI90-1447	<2	<0.2	27	4	16	1.1	<0.2
KI90-1448	<2	<0.2	57	4	17	0.7	<0.2
KI90-1449	2	<0.2	30	4	15	0.9	<0.2
KI90-1450	2	<0.2	34	4	20	2.4	<0.2
KI90-1451	2	<0.2	22	2	12	1.1	<0.2
KI90-1452	2	<0.2	67	2	18	4.5	<0.2
KI90-1453	3	<0.2	45	4	14	1.6	<0.2
KI90-1454	<2	<0.2	14	4	12	2.0	<0.2
KI90-1455	2	<0.2	31	4	11	1.2	<0.2



5735 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 PHONE: (416) 890-8566
 FAX: (416) 890-8575

24-Aug-90

T.J. Beesley
 T.J. BEESLEY GEOLOGICAL SERVICES INC.
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 M8Z 4J8

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Sample Id	Au FA/AA1 ppb	Ag AA ppm	Cu AA ppm	Pb AA ppm	Zn AA ppm	As Hyd-AA ppm	Sb Hyd-AA ppm
KI90-1456	2	<0.2	48	4	13	1.0	<0.2
KI90-1457	2	<0.2	13	2	8	1.0	<0.2
KI90-1458	11	<0.2	11	4	11	1.4	<0.2
KI90-1459	2	<0.2	17	6	26	0.5	<0.2
KI90-1460	<2	<0.2	4	4	16	1.0	<0.2
KI90-1461	<2	<0.2	11	6	20	2.1	<0.2
KI90-1462	<2	<0.2	20	6	28	1.2	<0.2
KI90-1463	<2	<0.2	30	8	10	1.7	<0.2
KI90-1464	3	<0.2	8	4	11	0.6	<0.2
KI90-1465	3	<0.2	22	6	12	1.3	<0.2
KI90-1466	2	<0.2	10	4	11	1.9	<0.2
KI90-1467	2	<0.2	40	4	13	1.1	<0.2
KI90-1468	3	<0.2	17	4	11	2.1	<0.2
KI90-1469	44	<0.2	62	4	17	1.6	<0.2
KI90-1470	2	<0.2	26	4	12	1.0	<0.2
KI90-1471	3	<0.2	44	4	22	3.0	<0.2
KI90-1472	2	<0.2	39	4	24	2.9	<0.2
KI90-1473	2	<0.2	19	4	14	1.3	<0.2
KI90-1474	3	<0.2	15	6	23	3.6	<0.2
KI90-1475	3	0.2	21	10	48	29.6	0.4
KI90-1476	2	<0.2	9	8	21	5.1	<0.2
KI90-1477	<2	<0.2	3	10	6	0.6	<0.2
KI90-1478	2	<0.2	14	6	15	0.3	<0.2
KI90-1479	3	<0.2	28	4	11	1.9	<0.2
KI90-1480	3	<0.2	16	4	10	1.2	<0.2
KI90-1481	3	<0.2	29	4	10	1.2	<0.2
KI90-1482	3	<0.2	40	6	16	1.7	<0.2
KI90-1483	3	<0.2	110	6	19	1.4	<0.2
KI90-1484	3	<0.2	45	4	14	1.6	<0.2
KI90-1485	3	<0.2	33	2	14	0.8	<0.2



5735 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 PHONE: (416) 890-8566
 FAX: (416) 890-8575

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T.J. Beesley
 T.J. BEESLEY GEOLOGICAL SERVICES INC.
 24 Lothian Avenue
 Toronto, ON
 M8Z 4J8

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Sample Id	Au	Ag	Cu	Pb	Zn	As	Sb
	FA/AA1 ppb	AA ppm	AA ppm	AA ppm	AA ppm	Hyd-AA ppm	Hyd-AA ppm
KI90-1486	6	<0.2	29	4	23	1.4	<0.2
KI90-1487	<2	<0.2	15	4	19	1.6	<0.2
KI90-1488	7	<0.2	21	12	18	5.9	<0.2
KI90-1489	33	<0.2	11	4	21	5.9	<0.2
KI90-1490	<2	<0.2	9	4	14	10.9	<0.2
KI90-1491	3	<0.2	11	6	18	5.5	<0.2
KI90-1492	<2	<0.2	11	8	18	5.1	<0.2
KI90-1493	<2	<0.2	10	4	13	2.8	<0.2
KI90-1494	<2	<0.2	19	4	18	9.4	<0.2
KI90-1495	<2	<0.2	9	4	10	3.7	<0.2
KI90-1496	<2	<0.2	9	6	12	3.6	<0.2
KI90-1497	<2	<0.2	17	8	41	3.9	<0.2
KI90-1498	3	<0.2	13	4	16	5.5	<0.2
KI90-1499	4	<0.2	8	4	15	4.0	<0.2
KI90-1500	<2	<0.2	11	4	13	1.8	<0.2
KI90-1501	5	<0.2	25	2	12	3.8	<0.2
KI90-1502	6	0.2	46	4	15	46.8	0.6
KI90-1503	3	<0.2	21	4	11	5.3	<0.2
KI90-1504	3	0.2	24	8	15	54.6	1.1
KI90-1505	3	<0.2	31	4	16	28.1	0.2
KI90-1506	<2	<0.2	7	4	11	1.2	<0.2
KI90-1507	3	<0.2	24	4	12	1.0	<0.2
KI90-1508	3	<0.2	13	6	18	1.7	<0.2
KI90-1509	3	<0.2	15	4	10	1.5	<0.2
KI90-1510	8	<0.2	23	4	13	1.4	<0.2
KI90-1511	4	<0.2	35	6	23	1.2	<0.2
KI90-1512	5	<0.2	25	4	20	1.4	<0.2
KI90-1513	8	<0.2	30	2	18	1.1	<0.2
KI90-1514	3	<0.2	9	4	14	1.1	<0.2
KI90-1515	3	<0.2	15	6	16	5.2	<0.2



5735 McADAM ROAD
 MISSISSAUGA, ONTARIO
 CANADA L4Z 1N9
 PHONE: (416) 890-8566
 FAX: (416) 890-8575

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 T.J. BEESLEY GEOLOGICAL SERVICES INC.
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Sample Id	Au FA/AA1 ppb	Ag AA ppm	Cu AA ppm	Pb AA ppm	Zn AA ppm	As Hyd-AA ppm	Sb Hyd-AA ppm
KI90-1516	7	<0.2	9	2	12	0.8	<0.2



5735 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
PHONE: (416) 890-8566
FAX: (416) 890-8575

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Abbreviations:

Parameters:

Au : Gold
Ag : Silver
Cu : Copper
Pb : Lead
Zn : Zinc
As : Arsenic
Sb : Antimony

Methods:

FA/AA1 : Fireassay/Atomic Absorption(1 assay ton)
AA : Atomic Absorption
Hyd-AA : Hydride Atomic Absorption

Units:

ppb : parts per billion
ppm : parts per million

Quality control:

< : Less than quoted detection limit



5735 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
PHONE: (416) 890-8566
FAX: (416) 890-8515

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T.J. BEESLEY GEOLOGICAL SERVICES INC.
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Sample Id	Au	Au Rerun	Au Reject
	FA/AA1	FA/AA1	FA/AA1
	ppb	ppb	ppb
KI90-1469	44	101	104
KI90-1489	33	3	3



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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
PHONE: (416) 890-8566
FAX: (416) 890-8575

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Abbreviations:

Parameters:

Au : Gold
Au Rerun : Gold Rerun
Au Reject : Gold Reject

Methods:

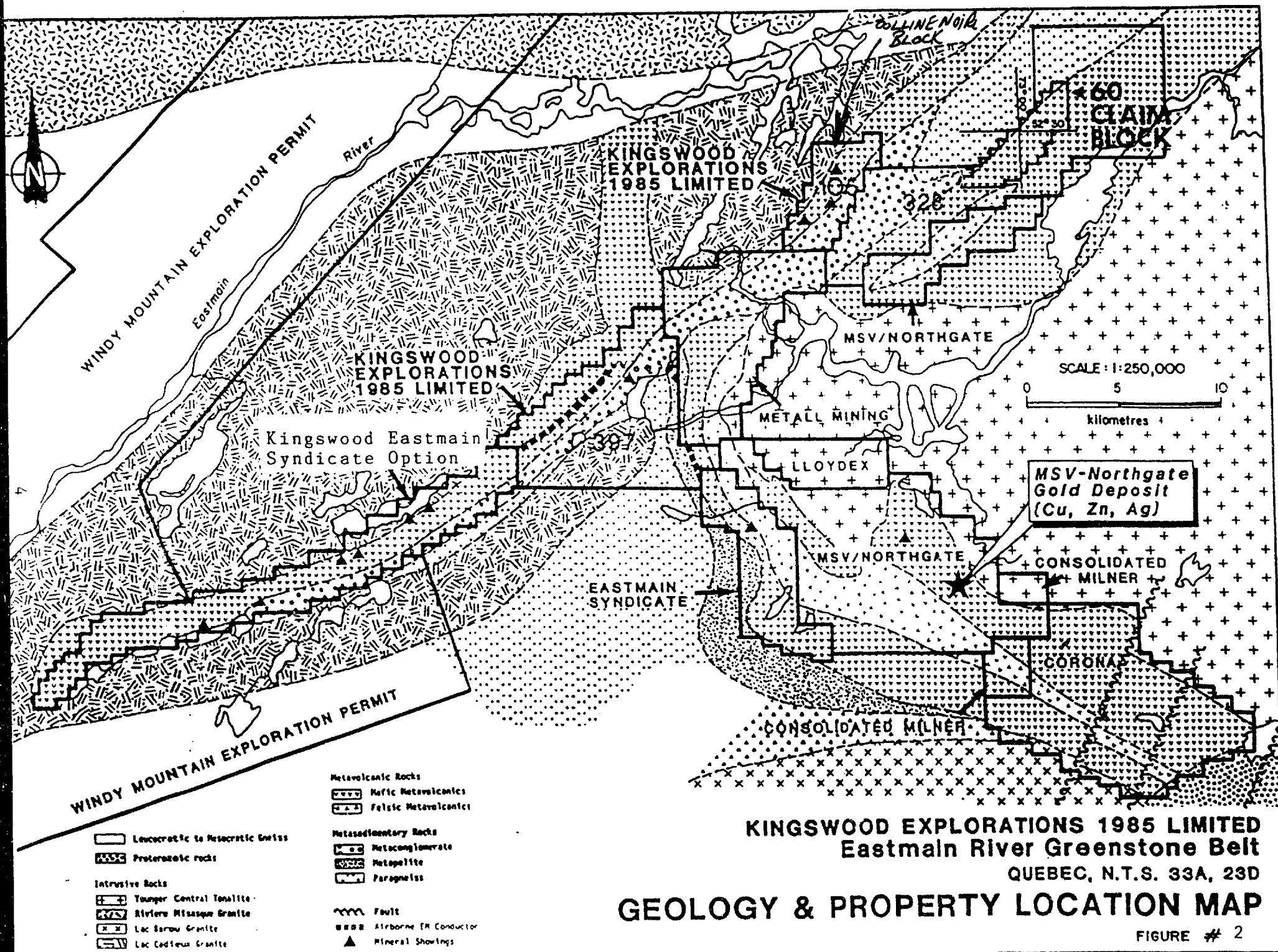
FA/AA1 : Fireassay/Atomic Absorption(1 assay ton)

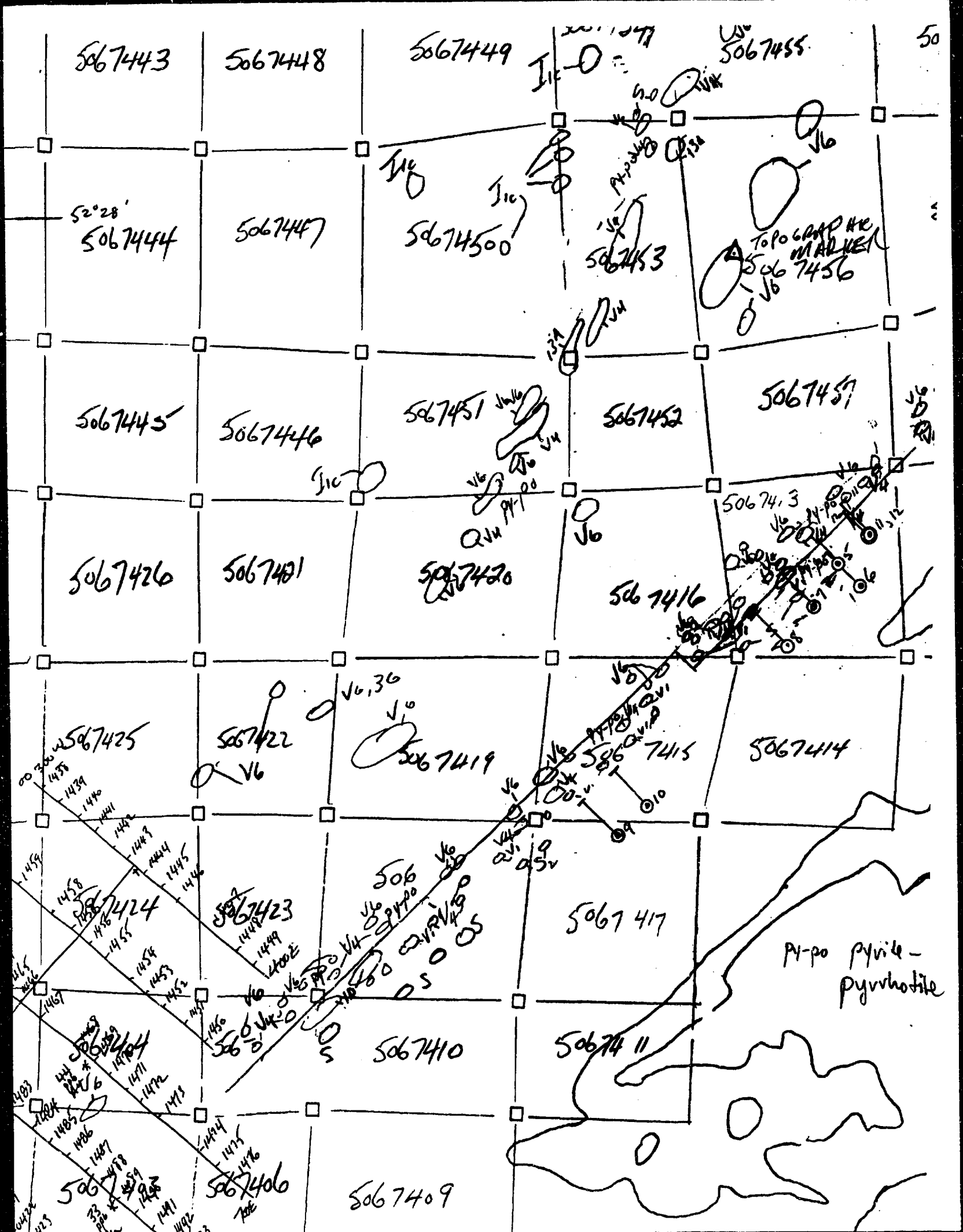
Units:

ppb : parts per billion

Signed:


.....
M.C. Nimjee
Manager, Geochem/Fire Assay Services





10'

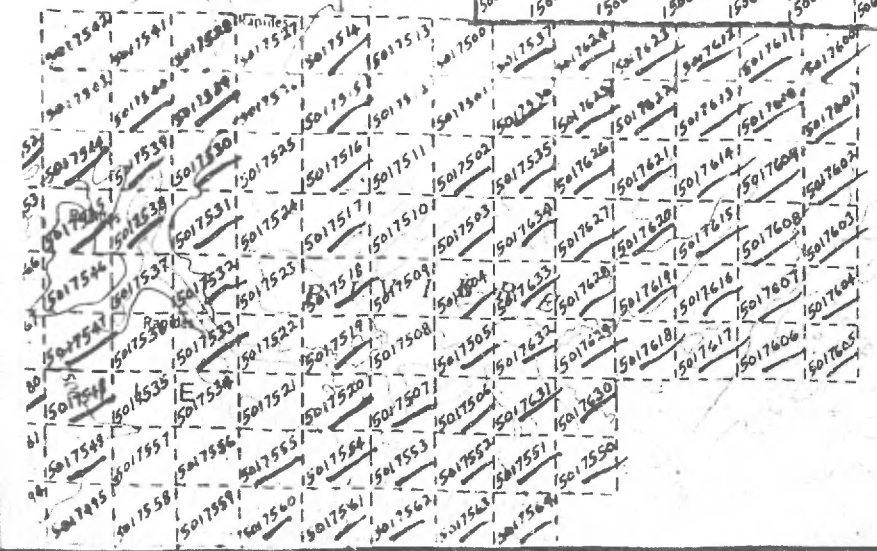
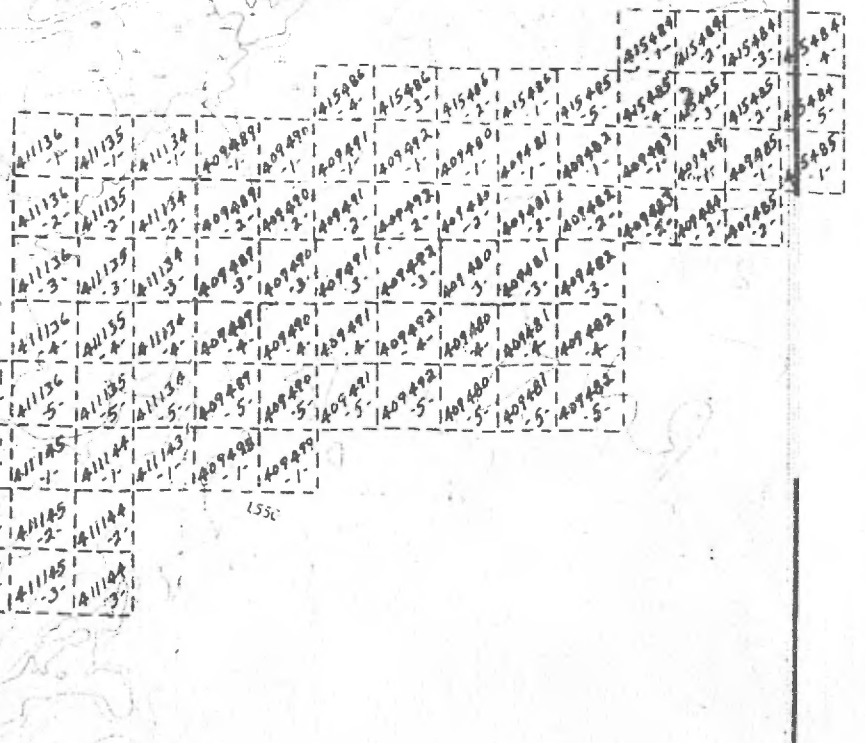
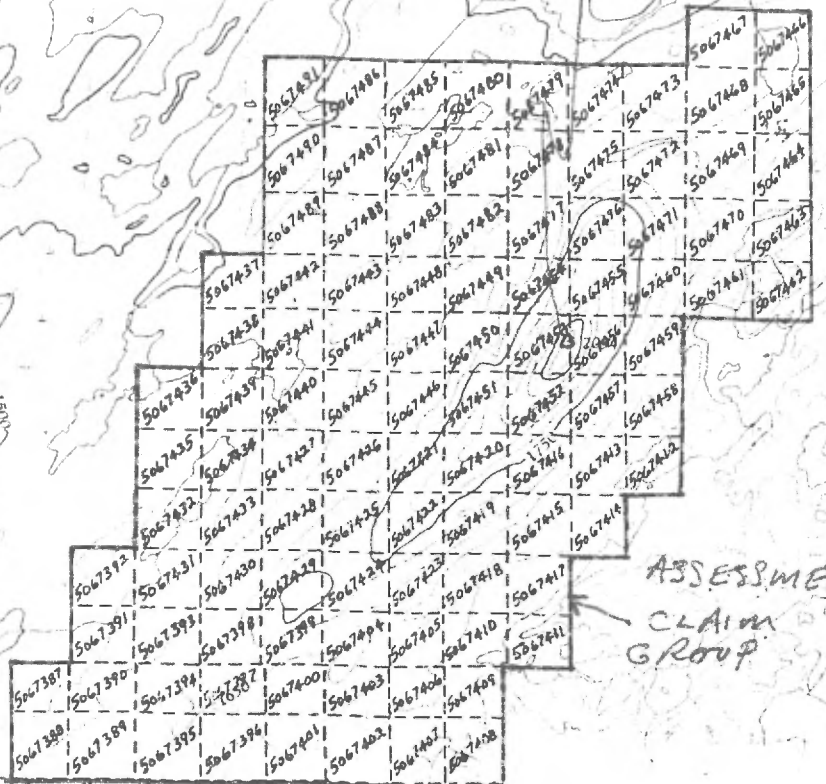
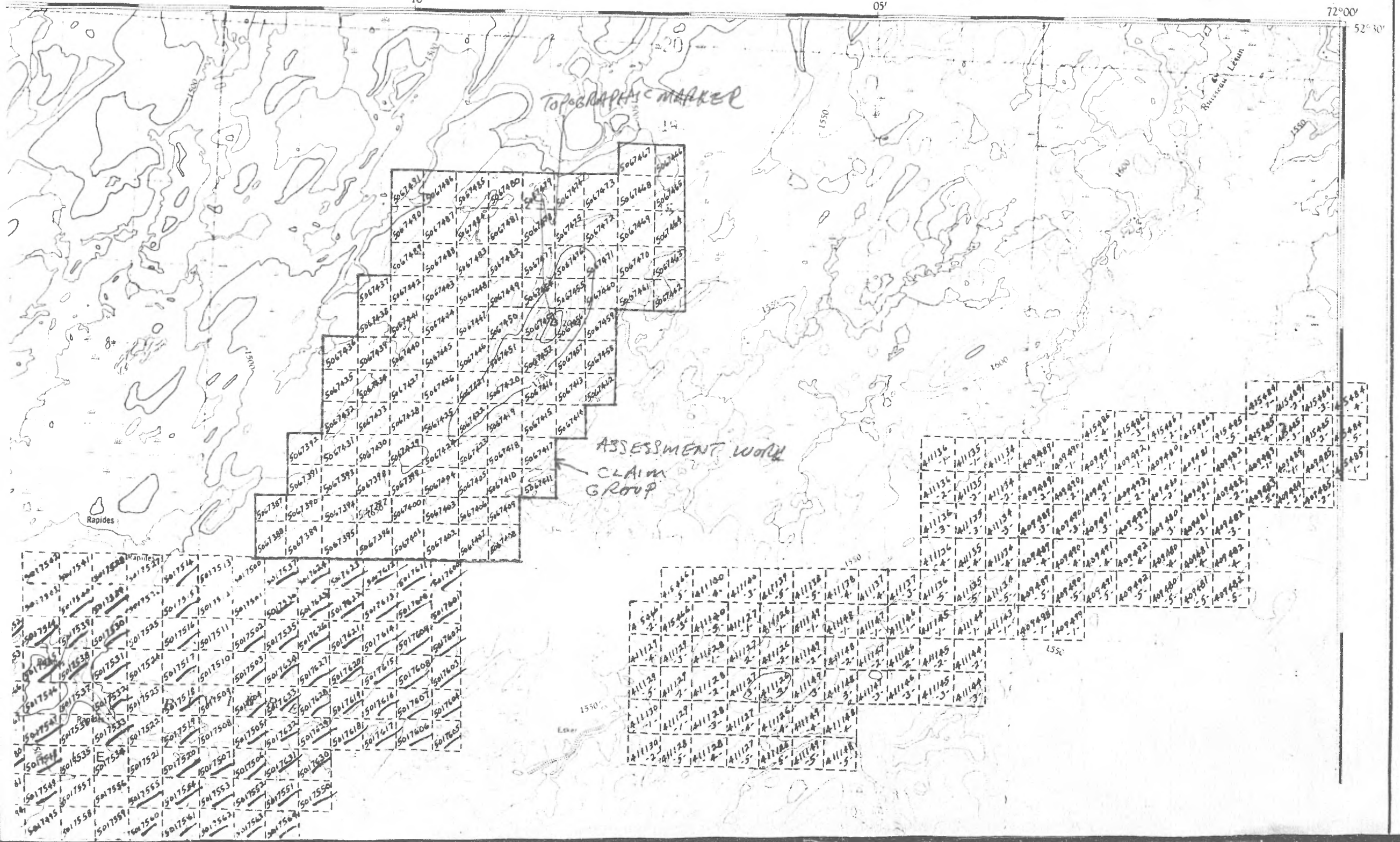
05'

72°00'

52°30'

TOPOGRAPHIC MARKER

ASSESSMENT WORK
CLAIM GROUP



DIAMOND DRILL LOG

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Grid A - 050' BL
 LATITUDE: 1+60 N DEPARTURE: 8+00 E
 AZIMUTH: N130'E DIP: -50'
 LENGTH OF HOLE: 153.31 m
 DATE STARTED: August 14, 1990
 DATE FINISHED: August 16, 1990

ACID TEST

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-48.5°				
91.50	-48.0°				
152.40	-45.5°				

HOLE NO.: 90-EM-01
 PAGE NO.: 1 of 11

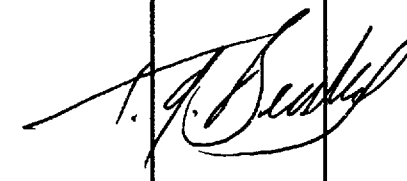
DRILLED BY: Bradley Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	9.75	Overburden									
9.75	59.34	<u>Foliated Granodiorite</u> Foliation generally at 55°-60° to core axis; 5-10% biotite; locally sericitic. Occasional thin quartz veins (<2 cm). Generally no mineralization. 17.74 m-19.67 m, 20.48 m-21.04 m: Mostly foliated <u>basalt</u> . Occasional bluish alteration associated to fractures. Generally <1% pyrite. Sample 14601: Common 1 cm-2 cm translucent quartz vein/epidote/potassium feldspar/chlorite, <1% pyrite.	14601	18.55	18.98	0.43	10	<	129	23	43

1992/12/08

MER - S.I.S.E.M.

GM 51536



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 2 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS					
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	
9.75 (cont.)	59.34	19.67 m-20.48 m, 21.04 m-59.34 m: <1% pyrite; rarely some epidote associated to fractures with some pyrite; sporadic red mineral? <<1%.	14602	23.12	24.04	0.92	8	<	39	17	34	
		25.79 m-26.17 m: Quartz vein; <1% pyrite with epidote association; rare pyrrhotite and chalcopyrite, small massive accumulation.	14603	25.79	26.23	0.44	10	<	56	<	<	
			14604	29.57	30.02	0.45	15	<	29	15	28	
			14605	31.26	31.63	0.37	80	<	50	24	36	
		Sample 14606: Bluish alteration associated to fractures.	14606	32.61	33.22	0.61	12	<	22	22	46	
		32.22 m-59.34 m: More commonly sericitic.										
		38.20 m-59.34 m: Common epidotization associated to fractures with pyrite.	14607	38.30	39.12	0.82	22	<	29	15	39	
			14608	39.43	39.87	0.44	20	<	17	31	81	

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 3 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
9.75 (cont.)	59.34	40.59 m-40.82 m: Volcanic sequence with 20% quartz vein; pyrite and epidote associated (not abundant).	14609	40.59	40.85	0.26	16	<	20	10	26
		40.82 m-41.76 m: Strong epidotization.	14610	40.85	41.76	0.91	18	<	43	19	47
		46.44 m-50.72 m: More of sericitic schist (medium intensity).	14611	49.73	50.63	0.90	25	<	17	14	47
		53.26 m-53.45 m: Quartz vein with chlorite and up to 3% pyrite.	14612	53.26	53.45	0.19	20	<	71	<	10
59.34	70.61	<u>Silicified Schist/Chloritic and Garnet-Rich Granodiorite</u> Generally medium to intense schistosity at 55°-60° to core axis. <u>Mineralization:</u> 1-10% sulphides (common epidotization associated to fractures with pyrite). Generally chloritic. - Some sericitic; some hematization; <1% pyrite.	14613 14614	59.34 60.05	60.05 60.97	0.71 0.92	19 23	< <	27 35	13 14	24 34

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 4 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
59.34 (cont.)	70.61	- Weaker sericitization; locally massive hematite; some quartz vein <1% pyrite.	14615	60.97	61.53	0.56	27	<	28	27	68
		- Moderately sericitic with quite abundant epidote associated to fractures; some thin quartz veins (1 cm-3 cm); <=1% pyrite mostly associated to epidote.	14616	61.53	62.21	0.68	22	<	27	28	78
			14617	62.21	63.09	0.88	14	<	17	35	170
		- Dark green; weakly sericitic; probable metamorphosed red garnets; <1% pyrite; no epidotization.	14618	63.09	64.02	0.93	12	<	45	358	385
		- +/- same as above; abundant metamorphosed red garnets; occasional small quartz vein; no epidotization.	14619	64.02	65.22	1.20	10	11	19	22	41
		- Very weak schistosity - intense silicification; average mineralization <=2% pyrite. Up to 75% pyrite-pyrrhotite on 10 cm. No epidotization.	14620	65.22	65.95	0.73	16	<	56	31	118
		- Strongly silicified; 2-3% disseminated pyrite; no epidotization.	14621	65.95	66.57	0.62	20	<	26	19	29

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 5 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
59.34 (cont.)	70.61	- 70%+ quartz in very intense silicified zone; 1-5% pyrite (average 1-2% pyrite); no epidotization.	14622	66.57	67.50	0.93	25	<	23	10	26
		- 2-3% pyrite (disseminated mostly) in silicified unit (moderately); very weak schistosity; no epidotization.	14623	67.50	68.61	1.11	8	<	25	19	46
		- Sericitic/occasional small quartz vein/3-5% pyrite; small massive accumulations and/or disseminated.	14624	68.61	69.46	0.85	11	<	27	17	46
		- Strongly silicified; some quartz vein; common epidotization; some massive bluish chlorite. <u>Mineralization: 1-5% pyrite.</u>	14625	69.46	70.61	1.15	9	<	41	18	33
70.61	91.13	<u>Foliated Granodiorite</u>	14626	70.61	71.69	1.08	14	<	22	16	31
		Local chloritization; generally moderately silicified. Occasional epidote associated to fractures with pyrite. Occasional 1 cm-3 cm quartz vein. <u>Mineralization: 1-2% pyrite disseminated and/or associated to fractures.</u>	14627	71.69	73.09	1.40	17	<	17	13	25
			14628	73.09	74.07	0.98	12	<	33	16	32

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 6 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
70.61 (cont.)	91.13	70.61 m-75.12 m: No chloritization.									
		75.12 m-91.13 m: Generally chloritized (weakly to moderately); 1-5% pyrite. Common epidote associated to fractures.	14629	74.95	75.42	0.47	24	<	18	<	29
			14630	76.76	77.39	0.63	21	<	23	12	79
			14631	78.33	79.76	1.43	19	<	29	10	24
		Sample 14632: Up to 20% pyrite with quartz and chlorite.	14632	79.76	80.12	0.36	23	<	74	33	23
			14633	80.12	81.03	0.91	25	<	19	11	14
			14634	84.05	84.61	0.56	22	<	17	10	19
		Sample 14635: Quartz/potassium feldspar/chlorite/ 1-3% pyrite (80%+ pyrite on 7 cm).	14635	87.48	87.85	0.37	13	<	61	24	18
		Sample 14636: Strongly chloritic with 60%+ pyrite on 6 cm.	14636	90.13	91.13	1.00	31	<	93	26	45

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 7 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
91.13	95.67	<u>Pyrite-Pyrrhotite-Rich Unit / Chlorite-Rich Unit</u> Chloritic (strongly) - occasional nodular quartz chunks.									
		Sample 14637: 80%+ pyrite-pyrrhotite.	14637	91.13	91.48	0.35	14	<	176	74	67
		Sample 14638: Very strongly chloritic 1-5% pyrite-pyrrhotite (sporadic accumulation)/some quartz.	14638	91.48	92.11	0.63	11	<	23	227	770
		Sample 14639: 70%+ pyrite-pyrrhotite.	14639	92.11	92.78	0.67	21	29	378	171	579
			14640	92.78	93.48	0.70	16	105	337	199	303
		Sample 14641: Slightly chloritic, volcanic; 1-3% pyrite.	14641	93.48	93.92	0.44	32	<	54	86	247
		Sample 14642: Strongly chloritic unit/soft; 1-3%, pyrite-pyrrhotite/some quartz/minor chalcopyrite-galena.	14642	93.92	94.70	0.78	20	<	82	1,936	1,172
			14643	94.70	95.67	0.97	25	<	128	553	185

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 9 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
118.18 (cont.)	141.67	118.18 m-119.48 m: Fine grained/ weakly silicified.	14649	119.19	119.48	0.29	14	<	127	58	95
		119.48 m-122.33 m: Greenish/coarse grained.									
		<u>Ultramafic Flow:</u>									
		122.33 m-127.73 m: Mostly greyish-blackish with average 25-30% <= 1 cm deformed magnetite crystals. Some rare sphalerite and galena associated to quartz-calcite.	14650	125.88	126.20	0.32	12	<	50	753	2,590
		127.73 m-141.67 m: +/- same as 119.48 m-122.33 m (coarse to medium) commonly. Some quartz-calcite vein with pyrrhotite and minor chalcopyrite associated (Sample 14651). Average mineralization; <1% disseminated pyrrhotite or pyrite (rare stringers).	14651	133.20	133.53	0.33	27	<	118	26	67
			14652	141.30	141.76	0.46	10	<	84	42	148

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-01
 SHEET NO.: 10 of 11

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
141.67	145.82	Foliated Granodiorite Foliation at 70° to core axis. Very rare disseminated pyrite.									
145.82	153.31	Medium to Coarse Grain Basalt Common chloritic (black) planes. Rare sulphide. Sample 14653: Up to 5-7% pyrite-pyrrhotite/occasional quartz-calcite vein). 145.82 m-147.61 m: Greenish-generally coarse grained. 147.61 m-147.88 m: Foliated granodiorite sequence. 147.88 m-149.00 m: +/-20% magnetite crystals (<=1 cm) stretched along schistosity at 70° to core axis.	14653	145.79	146.19	0.40	18	<	125	42	251

DIAMOND DRILL LOG

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Grid A - 050' BL
 LATITUDE: 1+75 N DEPARTURE: 9+00 E
 AZIMUTH: N130' DIP: -50'
 LENGTH OF HOLE: 128.63 m
 DATE STARTED: August 16, 1990
 DATE FINISHED: August 18, 1990

ACID TEST

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-50.5°				
91.50	-48.5°				
128.60	-47.0°				

HOLE NO.: 90-EM-02
 PAGE NO.: 1 of 7

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	8.45	Overburden									
8.45	71.30	<u>Foliated Granodiorite with Pegmatite Sequences</u> 8.45 m-11.43 m: Foliated granodiorite; foliation at 55° to core axis. 10% biotite/average mineralization; <1% pyrite. 11.43 m-17.90 m: Pegmatite; potassium feldspar abundant, muscovite and quartz. Occasionally up to 10 cm quartz vein. 17.90 m-23.45 m: Same as 8.45 m-11.43 m; occasional 2 cm-4 cm quartz vein; some epidotization associated to fractures with minor pyrite.	14654	14.33	15.10	0.77	14	<	20	<	12



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-02
 SHEET NO.: 2 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
8.45 (cont.)	71.30	23.45 m-25.55 m: Same as 11.43 m-17.90 m. 25.55 m-38.71 m: Same as 17.90 m-23.45 m; locally +/- foliated granite (percent of potassium feldspar increases). More common epidotization associated to fracturing. 29.50 m-30.20 m, 31.70 m-31.85 m: Pegmatite. 31.60 m-32.05 m, 36.00 m-38.71 m: +/- silicified, schistosity at 50° to core axis with some chloritic plans. Occasionally <=1% disseminated pyrite. 38.71 m-39.10 m: Foliated granodiorite. 39.10 m-40.10 m: Pegmatite.	14655	28.16	28.61	0.45	22	<	19	10	19

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-02
 SHEET NO.: 3 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
8.45 (cont.)	71.30	40.10 m-71.30 m: Foliated granodiorite (as at 8.45 m).									
		46.55 m-46.60 m: Pegmatite sequence (no pink potassium feldspars).									
		46.60 m-71.30 m: Locally slightly sericitic.									
		55.87 m-56.28 m: Pegmatite sequence (no pink potassium feldspars).									
		61.00 m-71.30 m: Occasional deformed reddish garnet crystals. Slightly epidotized locally. Foliation at 60° to core axis.									
		Sample 14656: <=1% pyrite with moderate epidotization.	14656	61.10	62.02	0.92	31	<	25	30	86
		63.81 m-64.87 m: Pegmatite; abundant quartz; 10-15% muscovite; bluish mineral.	14657	64.41	64.91	0.50	25	<	18	11	29

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-02
 SHEET NO.: 4 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
71.30	73.66	<p><u>Silicified Granodiorite: Pyrite-Pyrrhotite rich</u></p> <p>Garnet rich. Fine to medium grained; mostly blackish to dark green; abundant deformed reddish garnet crystals.</p> <ul style="list-style-type: none"> - 5-10% pyrrhotite; 1-2% pyrite; black quartz. - 15-20% pyrrhotite; 1-2% pyrite; quartz; (black quartz). - Strongly silicified sequence; 1-3% pyrite mostly disseminated; quartz vein. - +/- same; rare sulphide; one chalcopyrite chunk associated to quartz-calcite veinlet. 	14658	71.63	72.24	0.61	19	<	34	40	90
			14659	72.24	72.84	0.60	23	<	116	41	62
			14660	72.84	73.36	0.52	27	<	48	30	55
			14661	73.36	73.72	0.36	18	<	40	25	62
73.66	77.43	<p><u>Pegmatite/Deformed (+/- sheared) Pegmatite</u></p> <ul style="list-style-type: none"> - Pegmatite (abundant muscovite); common pyrite associated to fractures; one 10 cm sequence similar to Sample 14658. - Pegmatite (abundant muscovite); common pyrite associated to fracturing. 	14662	73.72	74.23	0.51	14	<	66	31	64
			14663	74.23	75.56	1.33	20	<	23	17	120

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-02
 SHEET NO.: 5 of 7

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
73.66 (cont.)	77.43	- Strongly silicified; 1-2% pyrite-pyrrhotite; small massive accumulation commonly along fractures.	14664	75.56	75.93	0.37	16	<	55	19	58
		- Pegmatite (abundant muscovite); common pyrite associated to fracturing.	14665	75.93	76.34	0.41	19	<	26	19	59
		- +/- deformed pegmatite; quartz vein; <1% sulphide.	14666	76.34	77.41	1.07	10	<	42	34	99
77.43	88.37	<u>Foliated Granodiorite</u>	14667	77.89	78.33	0.44	21	<	31	30	39
		Generally slightly silicified; locally light green alteration; occasional thin (1 cm-2 cm) quartz vein with pyrite association. Average mineralization <=1% pyrite.	14668	79.26	80.36	1.10	20	<	24	23	37
88.37	93.27	<u>Basalt / Pyrite-Pyrrhotite-Chlorite Rich/Contact Rock</u>									
		- 5-10% pyrite-pyrrhotite in fine grained to medium grained basalt. Sulphide mostly associated to occasional white quartz vein with minor calcite.	14669	88.14	88.96	0.82	15	<	69	43	140
		- 25-40% pyrite-pyrrhotite with nodular quartz chunks (up to 2 cm).	14670	88.96	89.69	0.73	71	29	303	68	68

DIAMOND DRILL LOG

ACID TEST

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Grid A - 250' BL
 LATITUDE: 0+85 N DEPARTURE: 8+75 W
 AZIMUTH: N160' DIP: -50'
 LENGTH OF HOLE: 196.60 m
 DATE STARTED: August 18, 1990
 DATE FINISHED: August 21, 1990

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-49.0°				
91.50	-48.5°				
152.40	-45.5°				
196.60	-45.5°				

HOLE NO.: 90-EM-03
 PAGE NO.: 1 of 7

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	2.44	Overburden									
2.44	33.81	Foliated Granodiorite Foliation around 60° to core axis. Average 5-10% biotite. Locally some epidotization. Locally some hematization. Occasional 1 cm-2 cm quartz veins. (Rarely up to 10 cm). Average mineralization: <1% pyrite (locally up to 1% pyrite). Sample 14682: 15 cm quartz vein.	14678 14679 14680 14681	10.53 14.84 24.44 27.49	10.96 15.61 24.88 28.39	0.43 0.77 0.44 0.90	27 50 21 15	< < < <	21 23 29 21	21 21 13 34	37 38 20 64
33.81	37.90	Silicified Zone Pyrite-Pyrrhotite Rich-Quartz Vein - Silicified; +/- schistose; rare mineralization; locally 1% pyrite.	14682 14683	32.90 33.81	33.05 34.87	0.15 1.06	20 11	< <	57 32	1,156 171	15 111



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-03
 SHEET NO.: 2 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
		- Silicified; +/- brecciated; some quartz; sericite filling fractured; up to 10-12% massive pyrite.	14684	34.87	35.07	0.20	22	19	103	120	174
		- +/- same as above; no breccia; no sericite.	14685	35.07	35.82	0.75	18	<	44	194	164
		- Mostly quartz vein; chlorite filling fractures; up to 10-15% pyrite very local; minor pyrrhotite; average pyrite 2-3%.	14686	35.82	36.44	0.62	10	<	36	49	276
		- 30-50% pyrite-pyrrhotite; abundant quartz; chloritic.	14687	36.44	37.09	0.65	25	43	117	79	190
		- Silicified ⁺ ; gradational contact; 1% disseminated pyrite.	14688	37.09	37.90	0.81	20	<	23	41	62
37.90	72.28	<u>Foliated Granodiorite</u>	14689	47.35	47.70	0.35	11	<	32	42	24
		Foliation around 65° to core axis. 1-5% biotite. Chlorite associated to fractures; common pyrite also associated; occasional weak epidotization; greenish-greyish outlook. Average mineralization; <=1% mostly associated to fracturing (up to 5% pyrite associated to Sample 14689). (Up to 5-7% massive pyrite in fractures with chlorite in Sample 14690).	14690	53.33	53.67	0.34	24	<	63	364	1,186

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-03
 SHEET NO.: 3 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
72.28	77.00	<u>Contact Unit/Pyrite-Pyrrhotite Rich - Quartz Vein</u>									
		- 10-15% pyrite in chloritic basalt; quartz veins.	14691	72.24	72.74	0.50	21	<	107	74	485
		- 10 cm of core missing; strong silicification. Moderately fractured; fractures filled by quartz-calcite-chlorite-epidote, occasional pyrite. Occasional quartz vein. Average mineralization; 3-10% pyrite; local orange alteration-pink (late filling).	14692	72.74	73.71	0.97	27	<	77	92	424
		- +/- same as above; but 30-40% quartz vein, no epidotization.	14693	73.71	74.31	0.60	19	<	36	10	24
		- Close to 100% quartz vein; chlorite filling fractures occasional.	14694	74.31	75.29	0.98	23	<	36	10	24
		- Same as above; a bit more chlorite filled fracture.	14695	75.29	76.39	1.10	16	<	29	<	17
		- 50% pyrite-pyrrhotite in +/- chloritic basalt; 1 cm-2 cm nodular quartz chunks (5%); pyrite intruding older pyrrhotite; nodular chlorite chunks.	14696	76.39	77.00	0.61	14	15	166	59	79

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-03
 SHEET NO.: 4 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
77.00	121.13	<p>Basalt</p> <p>77.00 m-91.60 m:</p> <p>Generally fine to medium grained; dark green; locally gabbroic texture. Locally quartz-calcite veinlets; local epidotization mostly associated to quartz veins; abundant stringers of pyrite following schistosity (weak) at 60' to core axis. Occasional potassium feldspars associated to quartz vein with epidotization. Local moderate chloritization.</p> <p>- 5-10% massive pyrite in basalt; occasional quartz vein.</p> <p>77.85 m-81.08 m:</p> <p>Rare quartz; rare mineralization.</p> <p>- Same as Sample 14697.</p> <p>- Important epidotization mostly associated to 2 cm-5 cm quartz-calcite vein; pyrite and orange-red alteration; <u>local black quartz vein</u>. Generally 4-7% pyrite mostly stringers.</p>									
			14697	77.00	77.85	0.85	20	<	70	40	88
			14698	81.08	82.16	1.08	25	<	85	26	21
			14699	82.16	82.88	0.72	30	<	142	39	17
			14700	82.88	83.91	1.03	121	<	99	31	23

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-03
 SHEET NO.: 5 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS						
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)		
77.00 (cont.)	121.13	83.91 m-91.60 m: Weakly to moderately chloritic basalt. 1-10% pyrite stringers; quartz-calcite veins and/or veinlets sometimes containing orange-red alteration; quartz veins.	14701	85.00	85.68	0.68	60	<	63	43	55		
			14702	85.68	86.48	0.80	48	<	63	43	55		
			14703	86.48	87.48	1.00	55	<	69	47	92		
			14704	87.48	88.44	0.96	111	<	58	290	458		
			14705	88.44	89.24	0.80	25	<	136	317	1,156		
			14706	90.80	91.10	0.30	30	<	233	50	71		
				91.60 m-121.13 m: Fine grained but locally coarse grained mafic metavolcanic; gabbroic texture; dark green. Generally 1-2% quartz-carbonate (calcite) veinlets with no preferential direction; occasionally with reddish alteration or weak epidotization. Average mineralization: rare pyrite.									
				111.41 m-112.84 m: Foliated granodiorite sequence. Greenish (light) to greyish feldspars. Rare epidotization associated to fracturing.									
				112.84 m-121.13 m: More important epidotization sequences; locally up to 1% pyrite; mostly associated to fracturing.	14707	115.19	116.13	0.94	34	<	37	27	32

DIAMOND DRILL LOG

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Grid A - 250' BL
 LATITUDE: 1+05 N DEPARTURE: 12+15 W
 AZIMUTH: N160' DIP: -50'
 LENGTH OF HOLE: 193.85 m
 DATE STARTED: August 21, 1990
 DATE FINISHED: August 24, 1990

ACID TEST

Metre	Dip	Azimuth	Metre	Dip	Azimuth
29.60	-48.5°				
91.50	-48.5°				
152.40	-48.5°				
193.90	-44.0°				

HOLE NO.: 90-EM-04
 PAGE NO.: 1 of 8

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	15.00	Overburden									
15.00	115.97	<u>Foliated Granodiorite</u> Foliation not well definite at the beginning of the hole (locally around 65° to core axis). Generally 2-10% biotite. Locally potassium feldspar pink. Occasional epidotization mostly associated to fractures. Occasional moderate to strong silicification. <u>Mineralization:</u> Very rare pyrite, very rare stringers in fractures (local hematization). Locally, foliation up to 75°-80° to core axis after 60.00 m. 54.81 m-55.12 m: Basalt sequence, fine grained, dark green, <1% pyrite.	14710 14711	41.08 52.18	41.36 52.84	0.28 0.66	11 17	< <	20 21	16 12	26 18



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-04
 SHEET NO.: 2 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
15.00 (cont.)	115.97	59.33 m-60.05 m: Quite strongly silicified; abundant calcite filling thin fractures, common pinkish alteration associated.									
		60.05 m-60.15 m: Sand seam.									
		60.15 m-61.82 m: Moderate silicification; occasional 1 cm-2 cm quartz vein; <=1% pyrite locally.	14712 14713	60.15 61.39	61.39 61.82	1.24 0.43	19 22	< <	24 140	34 131	52 147
		61.39 m-61.82 m: Well fractured; filled by chlorite and up to 10% pyrite (parallels stringers at +/- 90° to core axis).									
		- <=2% pyrite; some massive chlorite occasional rare quartz and general epidotization associated to fracturing.	14714	64.75	65.49	0.74	27	<	53	31	45
		- Mostly quartz vein with chlorite/epidote and minor pyrite.	14715	75.17	75.33	0.16	62	<	29	46	57

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-04
 SHEET NO.: 3 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
15.00 (cont.)	115.97	- Some deformation and fracturing; probable potassium feldspar, pink locally; chlorite-calcite filling fractured; occasional quartz vein; <=1% pyrite.	14716	77.00	77.90	0.90	35	<	35	22	26
		84.32 m-96.47 m:	14717	84.32	85.33	1.01	29	<	23	22	32
			14718	85.33	86.55	1.22	23	<	22	20	35
		Altered granodiorite; generally well silicified; sericitic; locally garnets rich and feldspar alteration;	14719	86.55	87.70	1.15	18	<	26	31	160
		occasional narrow quartz vein; average mineralization; <=1% pyrite (mostly disseminated).	14720	87.70	88.48	0.78	20	<	16	23	62
			14721	88.48	89.63	1.15	16	<	18	44	168
			14722	89.63	90.85	1.22	14	<	20	27	62
			14723	90.85	91.96	1.11	41	<	44	38	55
			14724	91.96	92.97	1.01	24	<	26	45	96
			14725	92.97	93.41	0.44	29	<	17	31	116
		94.71 m-95.39 m:	14726	93.41	94.45	1.04	71	<	18	31	79
		Quartz-chlorite-pyrite rich zone; up to 5% pyrite locally; massive accumulation.	14727	94.45	95.23	0.78	38	<	29	39	114
			14728	95.23	95.39	0.16	80	24	241	101	101
			14729	95.39	96.62	1.23	61	<	36	43	149
			14730	96.62	97.47	0.85	63	<	34	30	47
			14731	97.47	98.40	0.93	41	<	24	28	30
			14732	98.40	99.57	1.17	32	<	24	27	32
			14733	99.57	100.17	0.60	84	<	22	28	49
		100.28 m-111.09 m:	14734	100.17	101.63	1.46	29	<	31	29	72
			14735	101.63	102.15	0.52	72	<	94	67	41
		Deformed zone; intense silicification; feldspars altered; brown pink alteration; disseminated pyrite (locally up to 5% pyrite - massive accumulation).	14736	102.15	102.96	0.81	51	<	27	22	30
			14737	102.96	103.91	0.95	69	<	30	21	27
			14738	103.91	104.87	0.96	38	<	28	42	34

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-04
 SHEET NO.: 4 of 8

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
15.00 (cont.)	115.97	103.17 m-109.25 m: Intense fracturing, irregular (generally filled with pyrite- chlorite). <u>104.87 m-106.65 m</u> : Massive pyrite-pyrrhotite cut by milky quartz with pyrite-chlorite-ankerite. (Up to 2 cm nodular chunks of chlorite and quartz).	14739	104.87	105.22	0.35	111	21	129	72	203
			14740	105.22	105.89	0.67	51	55	3,118	87	158
			14741	105.89	106.71	0.82	46	60	369	103	192
			14742	106.71	107.81	1.10	31	<	35	34	54
			14743	107.81	108.81	1.00	22	<	25	38	150
			14744	108.81	109.68	0.87	19	<	29	49	292
			14745	109.68	110.81	1.13	14	<	24	33	48
			14746	110.81	111.09	0.28	23	<	27	60	71
115.97	117.19	<u>Contact Zone</u> Mostly quartz vein (milky to translucent). Pyrite chlorite filling fractures.	14747	115.97	116.44	0.47	12	<	37	27	79
			14748	116.44	117.01	0.57	17	<	48	16	10
			14749	117.01	117.19	0.18	20	<	187	50	31
117.19	122.92	<u>Basalt</u> Dark green; medium to coarse grained; 1-3% quartz-calcite veinlets; some slightly epidotized and/or with potassium feldspar alteration. <u>Mineralization</u> : <1% disseminated pyrite. - 7 cm calcite-quartz vein with important; orange-red alteration and up to 2-3% pyrite association.	14750	118.98	119.30	0.32	23	<	133	27	20

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-04
 SHEET NO.: 5 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
122.92	143.82	Foliated Granodiorite Foliation around 65°-70° to core axis. Greyish-light green outlook. 126.62 m-127.52 m: Basalt sequence. 1-5% pyrite stringers; slightly fracture filled by quartz-calcite and occasional reddish alteration. 127.52 m-140.14 m: Heavily deformed, fractured and/or brecciated zone. Local epidotization, many up to 15 cm calcite veins; intense hematization associated to quartz-calcite filling fractures. <u>Mineralization:</u> <=1% pyrite mostly associated to fracturing. Occasional small basalt sequence. Sample 14754: Mostly quartz vein; chlorite-pyrite filling fracture.									
			14751	126.62	127.52	0.90	27	<	96	63	48
			14752	127.52	128.80	1.28	25	<	38	28	51
			14753	128.80	129.45	0.65	23	<	99	84	110
			14754	129.45	130.15	0.70	22	<	153	170	243
			14755	130.15	130.59	0.44	51	<	333	421	63
			14756	130.59	131.67	1.08	29	<	38	51	36
			14757	131.67	132.84	1.17	28	<	28	19	24
			14758	132.84	133.52	0.68	16	<	69	16	19
			14759	133.52	134.38	0.86	14	<	59	19	22
			14760	134.38	135.29	0.91	55	<	38	20	31
			14761	135.29	136.25	0.96	27	<	24	18	21
			14762	136.25	136.97	0.72	22	<	37	16	17
			14763	136.97	138.12	1.15	30	<	10	15	<
			14764	138.12	138.54	0.42	14	<	12	18	<
			14765	138.54	139.29	0.75	35	<	19	16	12
			14766	139.29	140.14	0.85	17	<	19	19	21

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-04
 SHEET NO.: 6 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
122.92 (cont.)	143.82	<p>Samples 14763, 14764, 14765: Abundant quartz; brecciation of granodiorite; potassium feldspar alteration; reddish alteration.</p> <p>Sample 14766: Foliation at 55' to core axis.</p> <p>140.14 m-141.23 m: Basalt sequence. Rare mineralization (pyrite) associated to quartz-calcite veinlets.</p> <p>139.29 m-143.82 m: Foliation at 55' to core axis. Occasional quartz-calcite narrow veins with sometimes reddish alteration.</p>									
143.82	193.85	<p><u>Contact-Basalt</u></p> <p>143.82 m-145.91 m: Coarse grained basalt; rare pyrite.</p> <p>- Deformed zone; abundant quartz-calcite-chlorite; some pyrite; rare reddish alteration.</p>	14767	143.76	144.36	0.60	21	<	33	55	46

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-04
 SHEET NO.: 7 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
143.82 (cont.)	193.85	<p>145.91 m-148.26 m: Foliated granodiorite sequence.</p> <p>148.26 m-176.74 m: Fine to medium grained basalt; dark green. Occasional quartz-calcite narrow veins and/or veinlets rarely with reddish-pinkish alteration; generally rare pyrite, very rare pyrrhotite; local pyrite stringers (some chlorite occasionally associated); rarely amphibolitic.</p> <p>- Up to 10% pyrite stringers or massive accumulation. - 2 cm quartz-calcite veins cutting at low angle.</p> <p>154.53 m-155.43 m, 156.33 m-156.68 m, 160.67 m-160.87 m: Foliated granodiorite sequences.</p> <p>176.74 m-188.50 m: Coarse grained mafic volcanic; gabbroic texture; 1-3% quartz-carbonate veinlets; occasional red alteration; very rare slight epidote. Generally no mineralization.</p>									
			14768	149.96	150.25	0.29	11	<	82	49	132
			14769	151.07	151.87	0.80	41	15	201	74	617
			14770	151.87	152.67	0.80	35	<	200	166	692
			14771	161.33	161.83	0.50	23	<	48	39	119

D I A M O N D D R I L L L O G

ACID TEST

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 18+00 N DEPARTURE: 1+26 E
 AZIMUTH: N315° DIP: -50°
 LENGTH OF HOLE: 121.00 m
 DATE STARTED: August 25, 1990
 DATE FINISHED: August 26, 1990

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-48.0°				
91.50	-47.5°				

HOLE NO.: 90-EM-05
 PAGE NO.: 1 of 8

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	2.36	Overburden									
2.36	74.76	<p><u>Fine Grained Meta-Sediments / Quartz-Mica Schist</u></p> <p>Dark greyish colour; generally 20% biotite - 80% quartz. Occasional narrow quartz veins or small lenses. (Rare calcite associated). Weak schistosity developing at 75°-80° to core axis. <u>Mineralization</u>: Rarely massive pyrite filling fractures; also rarely associated with quartz vein.</p> <p>2.36 m-7.20 m:</p> <p>Maximum 5% red garnets.</p> <p>10.74 m-11.28 m:</p> <p>Core missing.</p>									



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-05
 SHEET NO.: 2 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
2.36 (cont.)	74.76	<p>27.06 m-29.26 m:</p> <p><u>Granite dyke</u>; cutting subperpendicular to core axis. Slightly foliated locally. Abundant biotite (up to 15%); some sericite. Generally no mineralization.</p> <p>45.57 m-47.22 m:</p> <p>Some "multi-shapes" veins (1 cm-3 cm) with no preferred direction; mostly formed of calcite (some pink calcite).</p> <p>50.19 m-51.80 m:</p> <p><u>Felsic intrusive dyke</u> (granodiorite) cutting at 75° to core axis. Locally slightly epidotized; very rare disseminated pyrite.</p> <p>51.80 m-53.38 m:</p> <p>+/- sheared; pyrite rich zone; some pyrrhotite.</p> <p>- Locally well silicified; local chloritization; 5-7% pyrite; some pyrrhotite.</p>	14788	51.69	52.33	0.64	25	<	76	27	154

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-05
 SHEET NO.: 4 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
2.36 (cont.)	74.76	65.47 m-67.97 m: Granite dyke cut subperpendicular to core axis; some 1 cm-5 cm quartz vein. Moderately fractured; chlorite associated to fractures or quartz veins. Also calcite filling fractures. Some orange (feldspars?) alteration generally associated to quartz vein. <u>Mineralization:</u> <1% disseminated pyrite; <1% associated to fractures and/or quartz vein; possibly minor chalcopyrite.	14794	65.47	66.14	0.67	19	<	19	59	45
			14795	66.14	66.99	0.85	19	<	19	36	61
			14796	66.99	67.97	0.98	14	<	17	40	46
		67.97 m-74.76 m: Fine grained sediments; more quartz-rich (almost quartzose).									
74.76	84.00	Fault Zone Graphite rich; abundant quartz or silica (pink-orange) or calcite veins important brecciation (mostly graphitic fragments). Chlorite generally associated to fractures.	14785	74.76	75.28	0.53	32	<	238	48	501
			14786	75.28	75.98	0.70	16	<	217	43	1,224
			14787	75.98	76.72	0.74	41	<	77	52	547
			14797	76.72	77.61	0.89	22	<	33	15	76
			14798	77.61	78.38	0.77	10	<	41	20	452
			14799	78.38	79.11	0.73	36	<	24	16	245
			14800	79.11	80.07	0.96	23	<	47	23	140

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-05
 SHEET NO.: 5 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
74.76 (cont.)	84.00	<p><u>Mineralization</u>: 10-20% pyrite-pyrrhotite with minor chalcopyrite for Samples 14785, 1478j and 14787.</p> <p>Average mineralization after 14787; <=2% pyrite-pyrrhotite with possible minor chalcopyrite.</p> <p>- Calcite rich? - Up to 3-4% grossly disseminated pyrite in +/- silicified unit.</p>	14801	80.07	81.06	0.99	35	<	49	21	66
			14802	81.06	81.82	0.76	26	<	41	15	102
			14803	81.82	82.73	0.91	17	<	40	20	96
84.00	85.85	<p><u>Granodiorite/Feldspar Porphyry</u></p> <p>Greyish-greenish outlook; occasionally fracture filled by chlorite; rare grossly disseminated pyrite.</p>	14804	82.73	83.41	0.68	24	<	43	24	61
			14805	83.41	84.00	0.59	25	<	63	34	39
85.85	88.20	<p>Moderately to highly silicified zone; generally moderately fractured with quartz-calcite filling in. Weak foliation at 75' to core axis. Some quartz veins. <u>Mineralization</u>: 3-5% pyrite grossly disseminated; small massive accumulations.</p>	14773	85.85	86.77	0.92	54	<	83	54	88

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-05
 SHEET NO.: 7 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
103.17	104.71	First Zone - "Meta-Chert" Silicified ⁺ ; "recrystallized chert"?; bedding at 70' to core axis; rare calcite veins following bedding at 70' to core axis; also graphite associated to bedding. Pyrrhotite rich (up to 15-20%) mostly following bedding. Also some pyrite and chalcopyrite (and possibly minor arsenopyrite). Possible rare garnets at the contact (below).	14776	103.17	104.02	0.85	29	51	347	70	1,806
			14777	104.02	104.70	0.68	50	196	343	51	1,164
104.71	106.58	Basalt Fine to medium grained; dark green. Abundant quartz-calcite veins (generally narrow); rare sulphides.	14778	104.70	105.61	0.91	31	<	104	18	67
			14779	105.61	106.58	0.97	22	<	117	22	32
106.58	107.85	Biotite-Rich Zone: 90% biotite (silicified locally?).	14780	106.58	107.85	1.27	26	<	44	44	92

DIAMOND DRILL LOG

ACID TEST

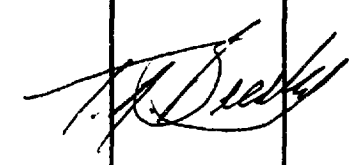
EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 18+00 N DEPARTURE: 2+00 E
 AZIMUTH: N315' DIP: -50'
 LENGTH OF HOLE: 188.06 m
 DATE STARTED: August 26, 1990
 DATE FINISHED: August 28, 1990

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-52.5°				
91.50	-51.0°				
152.40	-48.0°				

HOLE NO.: 90-EM-06
 PAGE NO.: 1 of 8

DRILLED BY: Bradley Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	6.71	Overburden									
6.71	137.55	<p><u>Fine Grained Metasediments - Quartz Mica Schist</u></p> <p>Dark-greyish colour; generally never more than 20% biotite. Average 80% quartz. Occasional narrow quartz veins. Some weak schistosity at 75' to core axis. Very rare garnets. <u>Mineralization:</u> very rare disseminated pyrite.</p> <p>32.47 m-40.93 m:</p> <p>Occasional +\- chloritic sequences; bluish greenish. Rarely with narrow quartz vein and minor pyrrhotite associated. Also, rock slightly fractured with silica or calcite filling.</p>									



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-06
 SHEET NO.: 3 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
6.71 (cont.)	137.55	<p>89.70 m-90.50 m: Missing core.</p> <p>90.50 m-115.76 m: Generally finer grained; locally looks a bit silicified. Narrow quartz or calcite vein. <u>Mineralization</u>: <=1% pyrite generally associated to fracturing.</p> <p>- Slightly chloritic with abundant fracture filled mostly with calcite - pyrite association.</p> <p>115.76 m-116.58 m: Mostly quartz and silica; abundant chlorite; chlorite-calcite in fractures. <u>Mineralization</u>: 2-3% pyrite (massive accumulation) minor pyrrhotite.</p> <p>116.58 m-117.04 m: Quite well fractured; some quartz 1-2% pyrite.</p>									
			14814	95.23	95.94	0.71	26	<	37	32	404
			14815	115.76	116.58	0.72	13	<	40	24	45
			14816	116.58	117.04	0.46	27	<	65	26	44

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-06
 SHEET NO.: 4 of 8

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
6.71 (cont.)	137.55	<p>121.00 m-121.56 m:</p> <p>Weak local shearing with black chlorite. Some quartz vein; narrow calcite vein association. Up to 5% pyrite mostly massive.</p> <p>123.20 m-125.11 m:</p> <p>Gradational; increasing in intensity of silicification. <u>Mineralization</u>: 1-2% mostly grossly disseminated.</p> <p>125.11 m-127.57 m:</p> <p><u>Gabbro dyke</u>. Quite abundant pyroxene crystals give mafic porphyry texture. Weak to moderate schistosity at 65' to core axis.</p> <p>128.13 m-132.47 m:</p> <p><u>Granite dyke</u>. Weakly foliated. Occasional 2 cm-10 cm translucent quartz vein. Some calcite and chlorite filling, occasional thin fractures, some pyrite also associated to fracturing. Average mineralization <1% pyrite.</p>	14817	121.00	121.56	0.56	40	10	57	32	50
			14818	124.21	125.11	0.90	38	<	35	29	49
			14819	130.84	131.79	0.95	29	<	19	34	45

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-06
 SHEET NO.: 6 of 8

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
145.46 (cont.)	147.57	- +/- contact zone; more fractured; locally chloritic; some quartz and calcite.	14833	145.46	146.02	0.56	36	<	51	20	33
		- Abundant quartz-silica bands at the contact; some pyrite.	14834	146.02	147.18	1.16	43	<	33	19	41
			14835	147.18	147.67	0.49	14	23	46	30	39
147.57	157.00	Altered Granodiorite Generally greenish-greyish outlook. Weak foliation at 80° perpendicular to core axis. Average mineralization <1% pyrite.									
		- Good silicification; +/- banded <=2% pyrite mostly following bedding.	14836	147.67	148.27	0.60	19	135	87	30	100
		- Moderately fractured with orange silica and calcite filling.	14837	148.27	148.62	0.35	22	83	54	30	50
			14838	148.62	149.54	0.92	17	347	103	29	54
		149.54 m-151.38 m:	14839	149.54	150.36	0.82	21	64	107	31	45
		Mostly brecciated and graphitic quartz-calcite-fragments. Massive chlorite; up to 10% pyrite-pyrrhotite.	14840	150.36	151.38	1.02	23	10	123	26	452
		- Up to 5-6% massive pyrite.	14841	152.93	153.98	1.05	12	<	151	28	17

DIAMOND DRILL LOG

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 17+00 N DEPARTURE: 1+65 E
 AZIMUTH: N315' DIP: -50'
 LENGTH OF HOLE: 160.63 m
 DATE STARTED: August 28, 1990
 DATE FINISHED: August 30, 1990

ACID TEST

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-51.0°				
91.50	-49.0°				
152.40	-44.5°				

HOLE NO.: 90-EM-07
 PAGE NO.: 1 of 7

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	4.88	Overburden									
4.88	105.60	<p><u>Fine Grained Metasediments - Quartz-Mica Schist</u></p> <p>Greyish colour; generally 20% biotite - 80% quartz. Occasional narrow quartz veins; rare garnet crystals. Weak schistosity at 75° to core axis. Locally bluish chlorite associated to fractures or quartz vein.</p> <p><u>Mineralization:</u> Some pyrite associated to fractures and sometimes to quartz vein; rare pyrrhotite.</p> <p>19.35 m-19.50 m, 19.66 m-19.80 m:</p> <p>Quartz vein; moderately fractured, filled by epidote and calcite (rare pyrite).</p>	14860	50.10	50.72	0.62	10	<	101	24	39



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-07
 SHEET NO.: 2 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4.88 (cont.)	105.60	<p>56.41 m-57.79 m:</p> <p><u>Granite dyke</u> (upper contact at 65° to core axis, lower contact at 75° to core axis). Medium grained. Quite abundant biotite; weakly foliated.</p> <p>74.71 m-74.74 m:</p> <p>Same as above (except for contacts some perpendicular to core axis).</p> <p>79.42 m-84.08 m:</p> <p><u>Granite dyke</u> (same as above). Upper contact at 80° to core axis, lower contact perpendicular to core axis. Green-pink/occasional narrow quartz vein with occasional minor pyrrhotite association.</p> <p>81.78 m-81.96 m: Graphitic unit cutting subperpendicular to core axis; 5-7% massive pyrrhotite with minor chalcopyrite.</p> <p>84.08 m-84.28 m: Chloritic; moderately fractured; pyrrhotite filling fractures.</p>									
			14861	81.78	81.99	0.21	24	<	96	21	51
			14862	84.08	84.28	0.20	36	<	63	24	55

D I A M O N D D R I L L L O G

NAME OF PROPERTY: Eastmain
HOLE NO.: 90-EM-07
SHEET NO.: 3 of 7

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4.88 (cont.)	105.60	96.70 m-103.46 m: Occasional narrow quartz veins; some calcite filling with epidote and pyrite. 100.00 m-105.60 m: Gradual increase of mineralization.	14863	96.82	97.40	0.58	29	11	52	28	43
		- 2-3% pyrite following weak schistosity.	14864	103.46	104.34	0.88	60	<	40	25	97
		- Up to 10% pyrite-pyrrhotite grossly disseminated or massive along bedding or in fractures; quartz vein-chlorite.	14865	104.34	104.81	0.47	303	<	88	39	212
		- Silicified; 1-2% pyrite; quartz vein.	14866	104.81	105.60	0.79	31	45	48	30	74

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-07
 SHEET NO.: 5 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
105.60 (cont.)	114.99	110.89 m-113.39 m:	14873	110.89	111.66	0.77	34	<	67	25	44
		Chloritic and/or graphitic (generally heavily graphitic; quartz vein. Generally well fractured (10-20% sulphides) ---> (80% pyrrhotite-20% pyrite and minor chalcopyrite).	14874	111.66	112.62	0.96	65	10	193	31	213
			14875	112.62	113.39	0.77	58	12	328	42	771
		113.39 m-114.99 m:									
		Gradational transfer in altered granodiorite; heavy silica alteration abundant quartz or calcite small veins or lenses. Light brown outlook. Mineralization: 1-3% pyrite-pyrrhotite in Sample 14876 ---> <1% pyrite-pyrrhotite in Sample 14877.	14876	113.39	114.35	0.96	45	<	76	33	522
			14877	114.35	114.91	0.56	32	<	40	13	239
114.99	121.46	<u>Altered Granodiorite</u> (+/- sharp ending of brownish silicified). Generally greyish-greenish outlook. Weak foliation at 70°-80° to core axis. Locally slightly biotitic. Mineralization: <1% pyrite, mostly associated to fracturing.									
		- Sharp ending of silicified after 0.08 m with some pyrrhotite-pyrite associated to narrow quartz-calcite veins; 2 cm-3 cm graphitic zone	14878	114.91	115.37	0.46	26	336	82	39	140

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-07
 SHEET NO.: 6 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
114.99 (cont.)	121.46	plus 3 cm-4 cm +/- black quartz veins with 3-5% pyrite-pyrrhotite and 1% arsenopyrite; altered granodiorite with 1-5% pyrite and <1% arsenopyrite. <1% pyrite decreasing white advancing.	14879	115.37	116.10	0.63	29	55	37	16	21
121.46	129.54	Pyroxenite (altered pyroxenite) Same alteration as above unit; dark green to greyish-yellowish; rare sulphide associated to rare fractures. Getting gradually more silicified after 128.00 m.	14880	129.02	129.54	0.52	23	11	59	16	36
129.54	130.33	"Meta-Chert" (contact subperpendicular to core axis) Banded silicified ⁺ unit; locally +/- deformed. Abundant quartz veins as part of deformed bedding varying from 50° to 90° to core axis. Chlorite bands associated; occasional garnets. Minor calcite filling fractures (thin). Occasional biotite bands. Mineralization: 10-40% pyrrhotite, 1% pyrite, 1% chalcopyrite, possibly minor arsenopyrite?	14881	129.54	130.33	0.799	40	<	479	30	227

D I A M O N D D R I L L L O G

ACID TEST

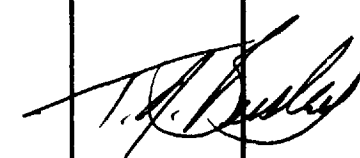
EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 16+00 N DEPARTURE: 1+85 E
 AZIMUTH: N315°E DIP: -50°
 LENGTH OF HOLE: 166.72 m
 DATE STARTED: August 30, 1990
 DATE FINISHED: August 31, 1990

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-				
91.50	-46.5°				
124.00	-42.5°				

HOLE NO.: 90-EM-08
 PAGE NO.: 1 of 7

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	3.00	Overburden									
3.00	107.19	<p><u>Fine Grained Metasediments - Quartz-Mica Schist</u></p> <p>Greyish colour. Generally 20% biotite - 80% quartz. Occasional narrow quartz veins. Rare garnet crystals. Weak schistosity around 70° to core axis. After 39.65 m, very rare chloritic sequence (bluish-greenish) mostly associated to quartz vein.</p> <p><u>Mineralization:</u> Rare pyrite associated to fractures and sometimes to quartz vein.</p> <p>10.01 m-10.06 m, 10.17 m-10.21 m, 10.56 m-10.61 m, 12.55 m-12.58 m, 38.59 m-38.65 m:</p> <p><u>Granite sequences:</u> contacts generally between 70°-85° to core axis. Medium grained. Weakly foliated. Generally altered.</p>									



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-08
 SHEET NO.: 2 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
3.00 (cont.)	107.19	<p>59.79 m-59.82 m, 60.51 m-60.97 m, 61.15 m-61.33 m:</p> <p><u>Fresh granite dyke</u>. Contact at 70' to core axis. Quite abundant biotite. Very weakly foliated 3 cm quartz vein in 61.15 m-61.33 m sequence.</p> <p>83.56 m-87.93 m:</p> <p>Moderately foliated altered <u>intrusive/light green-pink granodiorite dyke</u>. Foliation and contacts at 75'-80' to core axis. Very weakly fractured and rare quartz or calcite veins. Generally no mineralization.</p> <p>87.93 m-88.55 m:</p> <p>+/- silicified; some narrow quartz vein; 2-5% pyrrhotite (subparallels stringers); 1-2% pyrite.</p> <p>96.05 m-96.62 m:</p> <p>1-3% sulphides (mostly pyrrhotite); some quartz vein (narrow).</p>									
			14895	87.87	88.60	0.73	14	<	73	34	327
			14896	96.05	96.62	0.57	25	<	28	35	105

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-08
 SHEET NO.: 3 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
3.00 (cont.)	107.19	<p>96.62 m-99.86 m:</p> <p>Fresh <u>granite dyke</u> (+/- same as 61.15 m-61.33 m). Some 2 cm-4 cm quartz veins with muscovite and some pyrite (mostly on Sample 14897).</p> <p>- Common pyrite and pyrrhotite stringers.</p>	14897	98.21	99.20	0.99	22	<	57	21	42
			14898	105.15	106.33	1.18	30	49	57	41	79
			14899	106.33	107.19	0.86	45	16	57	37	91
107.19	120.67	<p><u>Fault Zone - Heavily Graphitic / Pyrite-Pyrrhotite Rich</u></p> <p>Except for sub-sections below, heavily graphitic with abundant quartz veins (subparallels generally at 70°-80° to core axis). Some calcite veins. Generally deformed and brecciated locally. <u>Mineralization</u>: 10-20% pyrrhotite; 1-3% pyrite.</p> <p>108.61 m-110.07 m, 110.41 m-111.21 m:</p> <p>Moderately silicified, not graphitic; 1-5% sulphide (mostly disseminated pyrite). Some pyrite and pyrrhotite in fractures.</p>	14900	107.19	107.96	0.77	39	<	119	38	250
			14901	107.96	108.61	0.65	61	<	112	51	1,262
			14902	108.61	109.42	0.81	54	190	64	34	107
			14903	109.42	110.07	0.65	44	256	67	33	77
			14904	110.07	110.41	0.34	27	43	78	30	201
			14905	110.41	111.21	0.80	19	10	36	37	83

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-08
 SHEET NO.: 5 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
124.10	134.44	<p><u>Altered Diorite</u></p> <p>Dark green to dark grey; +/- 50% mafic mineralization (mostly amphiboles). Weak schistosity at 75° to core axis. Locally biotitic. Rare narrow quartz vein. <u>Mineralization:</u> Rare disseminated pyrite; 1-2% with chlorite and calcite associated to narrow quartz vein in Sample 14921.</p>	14921	132.07	133.02	0.95	42	<	96	19	17
134.44	140.82	<p><u>Pyroxenite / Actinolite Schist</u></p> <p>Same alteration as above unit. Dark green to greyish. Generally no mineralization.</p>	14922	140.24	140.82	0.58	21	<	75	16	58
140.82	141.65	<p><u>First Zone - "Meta-Chert"</u></p> <p>Strongly silicified. Generally banded at 75°-85° to core axis. Abundant narrow quartz veins subparallel following "banding". Commonly chloritic. Some local accumulations of garnets (some massive accumulations of amphibole crystals). <u>Mineralization:</u> 2-10% pyrrhotite/<=1% chalcopyrite. Possibly minor arsenopyrite.</p>	14923	140.82	141.65	0.83	43	46	130	44	46

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-08
 SHEET NO.: 6 of 7

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
141.65	147.69	Basalt Black - dark green / fine grained. Commonly biotitic with abundant subparallels quartz-calcite narrow veins mostly where sampled. Subparallels "banding" at 75' to core axis with rare pyrite associated to those plans.	14924	141.65	142.97	1.32	20	<	19	15	39
			14925	142.97	144.20	1.23	17	<	113	<	13
			14926	144.20	145.39	1.19	28	<	107	10	10
			14927	145.39	146.58	1.19	25	110	82	25	38
			14928	146.58	147.69	1.11	27	214	78	27	32
147.69	148.49	Second Zone - "Meta-Chert" Same as 140.82 m-141.65 m. <u>Strongly silicified</u> . Generally banded at 85' to core axis. Abundant narrow quartz veins subparallel following "banding". Commonly chloritic. Occasional accumulation of garnets (some massive accumulation of amphibole crystals). <u>Mineralization:</u> 2-10% pyrrhotite, <1% chalcopyrite, <1% arsenopyrite.	14929	147.69	148.49	0.80	32	113	148	25	142
148.49	152.54	Basalt Same as 141.65 m-147.69 m; unit (not biotitic generally).	14930	148.49	149.19	0.70	29	<	71	11	11
			14931	151.68	152.54	0.86	32	96	96	18	32

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-08
 SHEET NO.: 7 of 7

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
152.54	152.81	<p><u>Third Zone - +/- "Meta-Chert"</u></p> <p>Quite strong silicification. Not well defined narrow quartz veins. Accumulation locally of amphibole and garnets following banding at 80°-85° to core axis. Commonly chloritic. <u>Mineralization:</u> 1-3% pyrrhotite / <1% chalcopyrite.</p>	14932	152.54	152.81	0.27	35	763	156	47	490
152.81	167.03	<p><u>Basalt</u></p> <p>Dark green, fine grained. Common narrow veins of quartz or quartz-calcite / yellowish silica. Generally no mineralization.</p>	14933	152.81	153.31	0.50	26	74	37	<	11
	167.03	<p>END OF HOLE</p>									



DIAMOND DRILL LOG

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 10+00 N DEPARTURE: 2+05 E
 AZIMUTH: N315' DIP: -50'
 LENGTH OF HOLE: 164.29 m
 DATE STARTED: September 01, 1990
 DATE FINISHED: September 02, 1990

ACID TEST

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-51.0°				
91.50	-43.5°				
152.50	-43.0°				

HOLE NO.: 90-EM-C9
 PAGE NO.: 1 of 6

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	6.70	Overburden									
6.70	117.51	<p><u>Fine Grained Metasediments/Quartz-Mica Schist</u></p> <p>Grey colour. Generally 20% biotite - 80% quartz. Occasional narrow quartz veins. Occasional garnets. Weak schistosity at 70° to core axis. Locally bluish chlorite associated to fractures or quartz vein.</p> <p><u>Mineralization:</u> Some pyrite occasionally associated to fractures or quartz veins.</p> <p>23.87 m-23.92 m:</p> <p>Granite sequence; contacts at 70° to core axis foliated; greyish-greenish.</p>									



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-09
 SHEET NO.: 4 of 6

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
120.43	128.03	<p><u>Fault Zone - Heavily Graphitic, Pyrite-Pyrrhotite Rich</u></p> <p>Strongly deformed and brecciated. Abundant quartz veins. Some calcite and chlorite associated. <u>Mineralization:</u> 5-10% pyrite-pyrrhotite.</p> <p>125.81 m-128.03 m:</p> <p>Some epidote associated to Sample 1494. Well brecciated with abundant calcite and silica (some orange --> silica) (presence of unknown mineral/silica? dolomite?)</p>	14942	120.43	121.62	1.19	13	77	82	42	127
			14943	121.62	122.73	1.11	20	15	97	53	158
			14944	122.73	123.75	1.02	25	15	167	47	251
			14945	123.75	124.87	1.12	16	10	188	52	642
			14946	124.87	125.81	0.94	30	30	148	57	431
			14947	125.81	126.89	1.08	32	<	93	26	132
			14948	126.89	128.03	1.14	19	<	80	34	95
128.03	133.27	<p><u>+/- Silicified Unit / Contact with Fault Zone</u></p> <p>Altered rock. Locally slightly biotitic. Very rare epidote. Fine grained; green; moderately fractured with silica to calcite filling (local pink-orange silica). <u>Mineralization:</u> 1-4% pyrite (disseminated or massive accumulation).</p> <p>Samples 14949-14950: Abundant calcite and unknown mineral mentioned above veins. Up to 7-8% pyrite.</p>	14949	128.03	129.13	1.10	29	11	89	42	52
			14950	129.13	129.73	0.50	34	22	77	50	58
			14951	129.73	131.07	1.34	18	117	77	43	35
			14952	131.07	132.26	1.19	49	68	58	29	24
			14953	132.26	133.60	1.34	30	<	49	22	19

DIAMOND DRILL LOG

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 10+00 N DEPARTURE: 2+05 E
 AZIMUTH: N320' DIP: -50'
 LENGTH OF HOLE: 160.00 m
 DATE STARTED: September 02, 1990
 DATE FINISHED: September 04, 1990

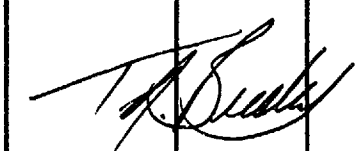
ACID TEST

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-47.5°				
91.50	-45.0°				
152.40	-44.0°				

HOLE NO.: 90-EM-10
 PAGE NO.: 1 of 6

DRILLED BY: Bradley Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	12.50	Overburden									
12.50	109.94	<p><u>Fine Grained Metasediments / Quartz Mica Schist</u></p> <p>Generally greyish colour. Rarely greenish when slightly altered. Generally 20% biotite, 80% quartz. Occasional narrow quartz veins. Occasional scattered garnet crystals. Weak schistosity at 70' to core axis. Locally bluish chlorite associated to fractures or quartz vein.</p> <p><u>Mineralization:</u> Some pyrite occasionally associated to fractures or quartz veins.</p> <p>*Occasional 4 cm-8 cm sequences of granite with occasional garnets; contacts and weak foliation at 70' to core axis.</p>									



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-10
 SHEET NO.: 2 of 6

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
12.50 (cont.)	109.94	<p>69.89 m-70.84 m: Quartz vein; massive biotite.</p> <p>86.67 m-93.20 m: <u>Granite dyke</u>; contacts at 70° to core axis. Weak to moderate foliation at 70° to core axis. Medium grained; light green-pinkish; +/- silicified. Generally very rare mineralization.</p> <p>98.82 m-109.05 m: Locally up to 1% pyrite-pyrrhotite.</p> <p>109.05 m-109.94 m: <u>Granite dyke</u>; mostly leucocratic. Well fractured with abundant chlorite association. Some calcite and silica also associated. Quartz/quartz vein. <u>Mineralization</u>: <=1% pyrite-pyrrhotite grossly disseminated or associated to fracturing.</p>	14965	109.05	109.94	0.89	23	<	40	38	63

D I A M O N D D R I L L L O G

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-10
 SHEET NO.: 3 of 6

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
109.94	121.39	<p><u>Fault Zone / Heavily Graphitic - Pyrite-Pyrrhotite Rich - Loc Silicified</u></p> <p><u>In the Metasediments:</u></p> <p>- "Banding" at 65° to core axis; moderately silicified; weakly graphitic; 2-4% pyrite-pyrrhotite along banding.</p> <p>- Generally moderately deformed; locally heavily graphitic; some deformed quartz vein; 3-10% pyrite-pyrrhotite.</p> <p>- Mostly banded quartz veins at 60°-65° to core axis. Abundant chlorite association; 3-10% pyrite-pyrrhotite along "banding".</p> <p>- +/- silicified metasediments. Common up to 10 cm quartz veins with chlorite-pyrite-pyrrhotite association. Local deformation. <u>Mineralization:</u> 1-3% pyrite-pyrrhotite; grossly disseminated or massive associated to fracturing.</p>									
			14966	109.94	110.73	0.79	35	25	63	35	153
			14967	110.73	112.06	1.33	29	<	106	59	411
			14968	112.06	113.11	1.05	11	<	98	51	848
			14969	113.11	114.00	0.89	25	<	96	71	471
			14970	114.00	115.05	1.05	19	<	51	33	65
			14971	115.05	116.09	1.04	22	<	50	37	79
			14972	116.09	117.15	1.06	23	<	59	33	75

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-10
 SHEET NO.: 5 of 6

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
130.83	143.16	<u>Altered Ultramafic / Pyroxenite</u> Greyish-yellowish; compact; same alteration as above unit; rare pyrite.	14980	142.68	143.16	0.48	10	<	82	35	38
143.16	144.82	<u>"Meta-Chert"</u> Mostly banded silicified unit (at 70°-75° to core axis). Abundant narrow quartz veins following "banding". Occasional sequences of massive amphibole crystals with garnets associated. Some chloritization. <u>Mineralization:</u> 5-20% sulphides; mostly pyrrhotite (massively; also along banding); <1% chalcopyrite; <1% arsenopyrite.	14981 14982	143.16 144.04	144.04 144.82	0.88 0.78	40 32	395 131	382 251	59 43	941 719

DIAMOND DRILL LOG

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 19+00 N DEPARTURE: 1+30 E
 AZIMUTH: N320° DIP: -50°
 LENGTH OF HOLE: 151.50 m
 DATE STARTED: September 04, 1990
 DATE FINISHED: September 06, 1990

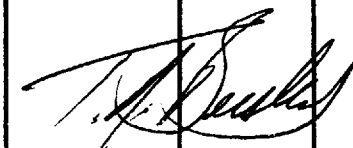
ACID TEST

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-48.5°				
91.50	-46.5°				
151.50	-46.5°				

HOLE NO.: 90-EM-11
 PAGE NO.: 1 of 8

DRILLED BY: Bradley Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	6.70	Overburden									
6.70	90.19	<p><u>Fine Grained Metasediments / Quartz-Mica Schist</u></p> <p>Grey colour. Occasionally light green when slightly chloritized. Occasional narrow quartz veins. Generally 20% biotite / 80% quartz. Locally massive, biotitic. Locally, scattered garnets crystals. <u>Mineralization</u>: rare pyrite or pyrrhotite associated to fractures or quartz veins.</p> <p>21.93 m-24.20 m:</p> <p>Granite dyke; contacts respectively at 80° and 90° to core axis; very weakly foliated; coarse grained; some quartz veins/ calcite and epidote filling fractures; abundant associated to 2 cm-5 cm quartz vein/<1% pyrite.</p>	14986	23.47	24.20	0.73	19	<	39	29	40



DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-11
 SHEET NO.: 2 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
6.70 (cont.)	90.19	<p>24.20 m-62.94 m:</p> <p>Some calcite occasionally associated to narrow quartz veins / sometimes massive chlorite also associated.</p> <p>Sample 14987: 20% narrow quartz veins / 2-5% pyrrhotite.</p> <p>51.46 m-62.94 m:</p> <p>Slightly silicified locally; up to 2-3% pyrite locally mostly where sampled.</p> <p>52.38 m-54.33 m: <u>Silicified intrusive dyke / moderately foliated granite.</u> Some quartz veins. Moderately fractured; filled with chlorite and/or calcite. Some pyrite occasionally associated. Rare epidote associated to fractures and quartz vein.</p>									
			14987	33.40	33.89	0.49	60	<	100	41	88
			14988	51.46	52.38	0.92	42	<	65	45	31
			14989	52.38	53.22	0.84	18	<	35	18	76
			14990	58.68	59.54	0.86	15	<	38	43	76

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-11
 SHEET NO.: 3 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS					
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	
6.70 (cont.)	90.19	62.94 m-67.12 m: Granite dyke; coarse grained / light green-greyish; occasional quartz veins with chlorite-pyrite associated (Sample 14991). Weakly fractured.	14991	63.34	63.92	0.58	38	<	29	52	54	
		67.12 m-71.81 m: Slightly silicified / very rare pyrite.										
		71.81 m-90.19 m: FAULT ZONE - Graphitic / Quartz, Calcite Vein / Pyrite-Pyrrhotite rich										
		71.81 m-73.60 m: Graphitic; abundant narrow banded quartz veins, 70°-90° to core axis; 5-15% pyrite-pyrrhotite.	14992	71.81	72.83	1.02	20	11	175	45	197	
		73.60 m-74.70 m: Feldspar porphyry; grey-green; some quartz and pink calcite narrow veins; rare pyrite associated to quartz vein.	14993	72.83	73.60	0.77	32	13	111	53	522	
		74.70 m-76.27 m: +/- altered granite; pink-green; some chlorite-pyrite filling irregular fracturation; 3 cm-5 cm quartz vein (low angle to core axis).	14994	73.60	74.70	1.10	38	<	32	23	59	
			14995	74.70	75.42	0.72	60	<	39	28	20	

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-11
 SHEET NO.: 4 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
6.70 (cont.)	90.19	75.42 m-75.62 m: misplaced core? in broken and rubbly neighbourhood; graphitic, some quartz and pyrite; orange silica.	14996	75.42	75.62	0.20	55	<	51	38	39
			14997	75.62	76.27	0.85	29	<	75	38	30
		76.27 m-78.33 m: Missing core.									
		78.33 m-86.36 m: Quartz-calcite vein.									
		<u>General:</u>									
		Milky quartz, white-yellow-pink calcite, massive pyrite and/or pyrrhotite (<1% chalcopyrite). Brecciated and graphitic sequences.									
		<u>Details:</u>									
		- 80% milky quartz; 15% yellowish calcite; 3-4% massive pyrite (some pyrrhotite); graphite in rare fractures.	14998	78.33	79.49	1.16	10	<	1,129	44	<
		- 60% massive pyrite-pyrrhotite (<1% chalcopyrite-pyrite); some graphite associated; 30% milky quartz/10% calcite.	14999	79.49	80.25	0.76	23	<	589	38	25

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-11
 SHEET NO.: 5 of 8

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
6.70 (cont.)	90.19	- 20% massive pyrite-pyrrhotite with some graphitic association; 55% calcite; 25% quartz.	15000	80.25	80.95	0.70	20	<	325	34	31
		- 15% massive pyrite; 45% milky quartz; 40% white-pink calcite.	3401	80.95	81.55	0.60	10	<	325	34	15
		- Graphitic; fractured and brecciated; 60% quartz and calcite; <=1% pyrite.	3402	81.55	82.25	0.70	22	<	51	15	<
		- Mostly quartz and pinkish (light calcite); 5-10% graphite; 2-3% massive pyrite.	3403	82.25	83.22	0.97	62	<	64	25	<
		- Graphitic; strongly brecciated; abundant calcite fragments; quartz; 1-3% massive pyrite.	3404	83.22	84.18	0.96	20	<	44	30	19
		- Strongly deformed and brecciated; mostly orange-brown silica; quartz-calcite; 1-3% grossly disseminated pyrite.	3405	84.18	84.63	0.45	40	<	48	29	20
		- 1/3 quartz - 1/3 calcite - 1/3 massive pyrite.	3406	84.63	84.98	0.35	50	<	286	55	18
		- Mostly pinkish calcite; some graphite filling fractures; <5% quartz.	3407	84.98	86.35	1.37	15	<	44	15	<

D I A M O N D D R I L L L O G

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-11
 SHEET NO.: 7 of 8

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
96.62	98.67	<u>Pegmatite</u> Mafic colour; 30-40% muscovite/quartz-feldspars +/- "brecciated" texture. <u>Mineralization:</u> 5-10% pyrite (generally massive accumulation). - Greenish tall mineral associated.	3418	96.62	97.43	0.81	40	63	331	51	32
		- Up to 50% massive pyrrhotite; <5% pyrite; Very rare (minor) chalcopyrite; some graphite.	3419	97.43	98.24	0.81	10	34	631	95	59
			3420	98.24	98.67	0.43	25	51	115	22	92
98.67	107.80	<u>Pegmatite</u> Leucocratic colour; mostly white and translucent feldspars; some pinkish feldspars; 5-10% tall muscovite crystals (some pyrite associated to Sample 3422); some quartz. 102.29 m-102.53 m: Gauge (black).	3421	98.67	99.19	0.52	20	<	31	22	23
			3422	107.24	107.80	0.56	16	<			

DIAMOND DRILL LOG

ACID TEST

EXPLORATION COMPANY: Kingswood Explorations 1985 Ltd.
 NAME OF PROPERTY: Eastmain
 LOCATION OF HOLE: Colline Noire East
 LATITUDE: 19+00 N DEPARTURE: 1+30 E
 AZIMUTH: N320° DIP: -70°
 LENGTH OF HOLE: 207.30 m
 DATE STARTED: September 08, 1990
 DATE FINISHED: September 10, 1990

Metre	Dip	Azimuth	Metre	Dip	Azimuth
30.50	-68.0°				
91.50	-66.0°				
152.40	-64.0°				

HOLE NO.: 90-EM-12
 PAGE NO.: 1 of 5

DRILLED BY: Bradley
 Bros. Ltd.
 LOGGED BY: Guy Goulet
 TYPE OF DRILLING: BQ

METRE		DESCRIPTION	SAMPLE				ASSAYS				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
0	12.80	Overburden									
12.80	66.92	<u>Biotitic Metasediment/Quartz Mica Schist</u>	3426	14.21	14.80	0.59	19	<	178	29	76
			3427	17.75	18.64	0.89	61	<	75	25	54
			3428	37.16	37.77	0.61	12	<	70	32	109
		Locally coarse locally grained, dioritic appearance; commonly hornblende and/or biotite rich and contains 5-15% garnets. Locally weakly silicified and weak schistosity developed at 75° to core axis. Rock is intermitted with occasional sequential medium to coarse grained chloritic schist, also garnet rich; this rock is dark green to black; occasionally coarse grained, gabbroic texture and is very common before 18.00 m, +/- common from 18.00 m-27.00 m and very rare after. <u>Mineralization</u> : Rare pyrite except where sampled; <1% pyrite generally associated with rare quartz vein.									

DIAMOND DRILL LOG

NAME OF PROPERTY: Eastmain
 HOLE NO.: 90-EM-12
 SHEET NO.: 4 of 5

M E T R E		DESCRIPTION	S A M P L E				A S S A Y S				
From	To		No.	From (m)	To (m)	Total (m)	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
134.43	144.60	<p><u>Porphyry</u></p> <p>Weakly foliated and weakly silicified. 15-30% white phenocrysts average 0.2 cm-0.3 cm. No mineralization.</p> <p>137.50 m-138.24 m, 139.88 m-140.06 m:</p> <p>Pyroxenite sequences similar as above pyroxenite.</p>									
144.60	147.55	<p><u>Altered Ultramafic / Pyroxenite</u></p> <p>Same as 119.27 m-127.93 m.</p>									
147.55	152.03	<p><u>Basalt</u></p> <p>Fine to medium grained. Greenish. 2-4% calcite veinlets; (some silica). Rare garnets. <u>Mineralization</u>: Rare pyrite associated to fracturing.</p>									
152.03	155.14	<p><u>Silicified Unit</u></p> <p>+/- similar as above "silicified unit". Local calcite and silica thin veinlets. Weak schistosity around 60°-70° to core axis. <u>Mineralization</u>: 2-7% pyrite-pyrrhotite; generally thin stringers or small massive accumulation.</p>	3439	152.03	153.06	1.03	25	<	124	51	401
			3440	153.06	154.02	0.96	40	<	63	36	95
			3441	154.02	155.14	1.12	32	<	63	40	137

