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5/88

PROJECT 206
1986 GIBBONS CREEK DRILL PROGRAM
LEM 3 CLAIM

ASSESSMENT REPORT
Cariboo M.D. 93A/6E,6W
52°21.6' 121°16.7'

by

Craig W. Payne, M.Sc.

ORTEC GEOLOGICAL SERVICES
2197 Park Crescent
Coquitlam, B.C.

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February 16, 1987

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,925

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SUMMARY

Drilling operations on the Gibbons Creek project, Lem 1 to 5 claims, commenced October 28, 1986 and completed November 10, 1986. Seven holes (206-1 to 206-7) were drilled totalling 1,091 metres. The drill program was designed to test coincident I.P./soil geochemical targets peripheral to the Lemon Lake stock, a Quesnel River type pluton situated some 30 kilometres to the southeast of the QR gold prospect owned by Dome Exploration (Canada) Ltd. Work done and described within will advance the Lem 3 claim to 1990.

Seven drill holes were collared on coincident I.P./soil geochemical targets peripheral to the north and east flanks of the Lemon Lake stock. Holes 206-1 to 3 located north of the stock cored barren felsic breccia, minor siltstone and basic to intermediate volcanics. Locally the rocks are weakly to moderately propylitized. Disseminated pyrite (locally up to 8%) is common throughout. Drill holes 206-4 to 7 located to the east cut barren multiple phases of the stock ranging from microdiorite to syenite in composition.

CONCLUSIONS

Assay results from the drill program are insufficient to warrant further exploration at this time. Sufficient disseminated pyrite (less than 1% to 8%) was intersected to explain the I.P. anomalies. Low value gold assays from the core ranging from 50ppb to 210ppb may explain the weakly anomalous soil geochemical results, or possibly the weak gold soil anomalies may be due to glacio-fluvial reworking of the underlying materials and not linked to a nearby bedrock source.

RECOMMENDATIONS

Clean up and slashing work should be carried out on all drill sites and access roads. The cost of this work is estimated at \$5,000.00.

INTRODUCTION

Results of drill testing the Lem 1 to 5 claims near Horsefly, B.C. are provided in this report and recommendations are made for road and drill pad clean up. Seven drill holes were completed between October 28 to November 10, 1986. Assay data, core logs, drill plans and cross sections pursuant to this program are provided below. The purpose of the 1986 program was to test coincident soil geochemical and I.P. geophysical targets peripheral to the Lemon Lake stock, a zoned gabbroic to monzonitic intrusion similar to other intrusions in the Quesnel Trough.

LOCATION AND ACCESS

The property is situated nine kilometres northeast of the village of Horsefly, B.C. (93A/6, 52 20'N, 121 16'W, Figure 1). Access is by paved highway from 150 Mile House and 13 kilometres of secondary gravel road from Horsefly. Vegetation consists of open stands of spruce, fir, pine, birch and poplar. Part of the timber cover at the west end of the property has been logged and the area cleared for grazing.

CLAIM STATUS

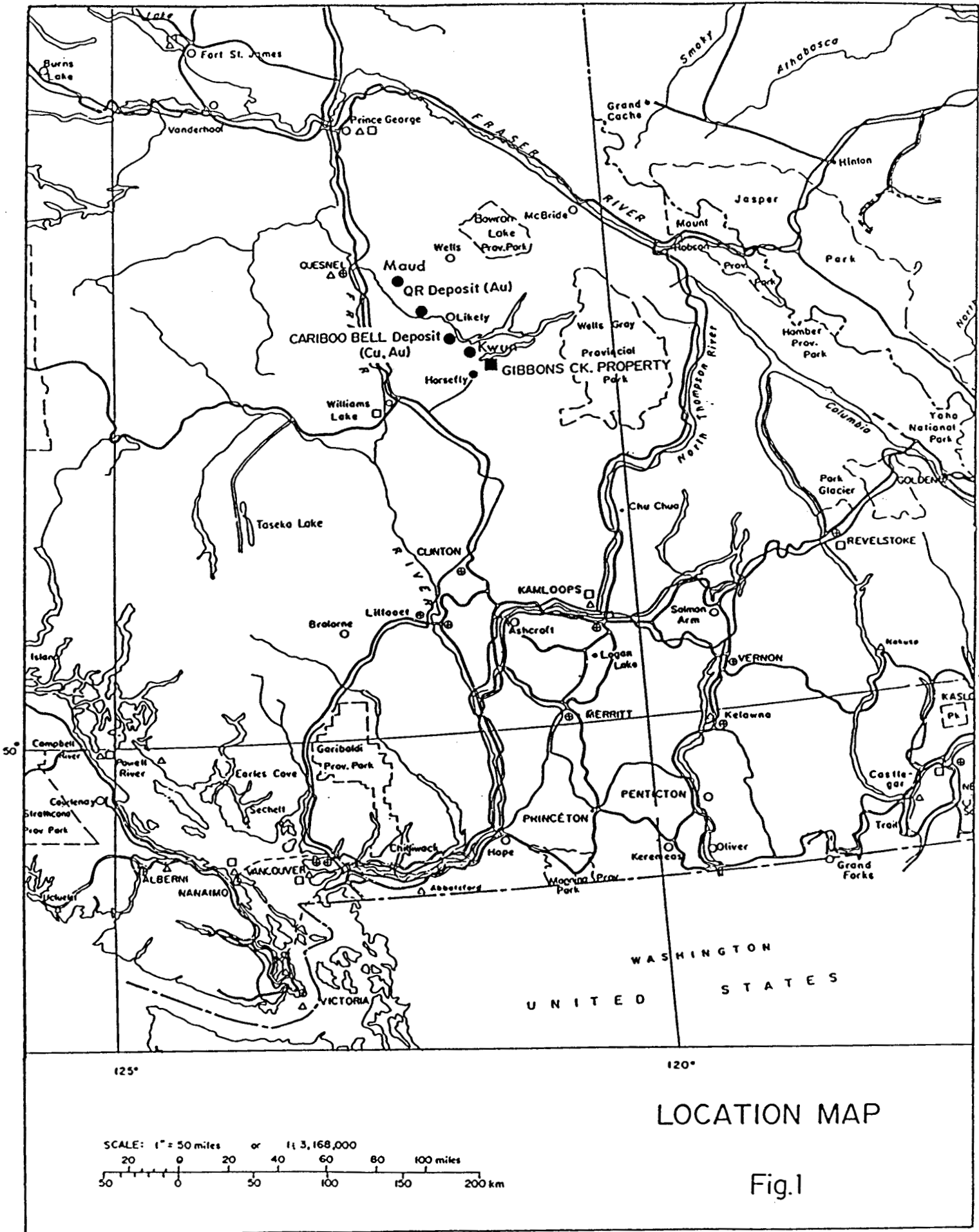
A total of five claims, Lem 1 to 5 (58 units) make up the property of which only the Lem 3 is being applied for assessment credit (Figure 2). The expiry date listed below assume current work will be accepted for assessment purposes.

NAME	NO. OF UNITS	RECORD NO.	EXPIRY DATE
Lem 3	12	7811	July 24, 1990

GEOLOGY

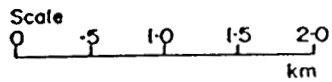
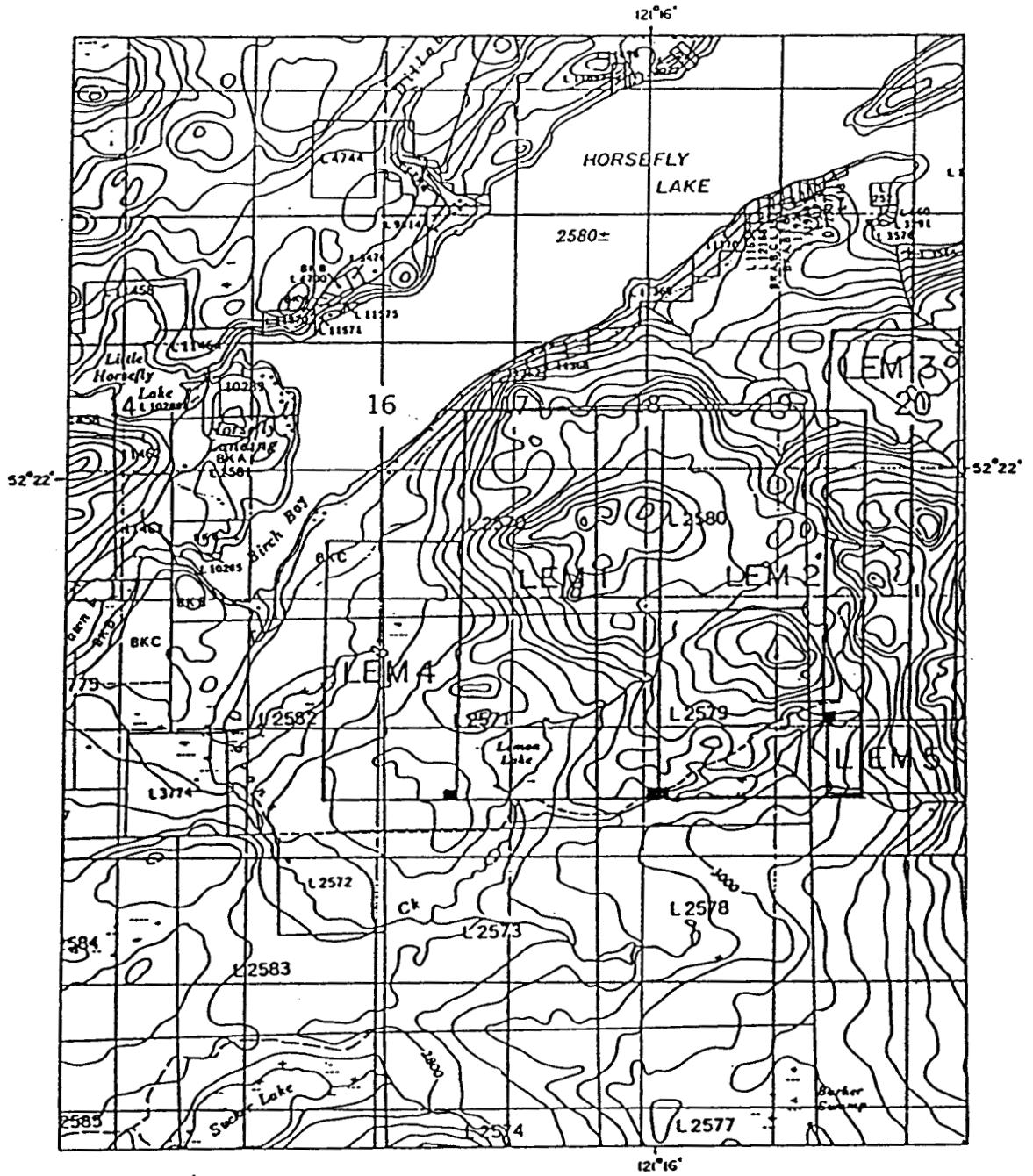
The Lem claims lie on the eastern margin of the Quesnel Trough, an extensive geologic feature bounded on the west by rocks of the Mississippian-Permian Cache Creek Group and to the east by metamorphosed rocks of the Omenica Crystalline Belt. The Quesnel Trough here comprises a thick sequence of Triassic-Jurassic submarine strata composed largely of alkali basalt and an overlying succession of felsic breccia and tuff. A number of small intrusions ranging in composition from alkali gabbro to syenite cut the volcanic units. The Lem stock is one of these bodies. The intrusions and nearby volcanic rocks are known hosts for gold and copper-gold prospects. The QR gold deposit and the Cariboo Bell porphyry copper-gold prospect, a short distance to the north are typical examples in similar geological settings.

Much of the southern part of the Lem claims is underlain by the Lemon Lake stock, a concentrically zoned pluton that ranges from alkali gabbro



LOCATION MAP

Fig.1



ORBEX INDUSTRIES INC.				
PROJECT Nº : 206		LEM CLAIMS, GIBBONS CK. PROPERTY, B.C.		
CLAIM LOCATION MAP				
SCALE	DATE	FILE	N.T.S. No.	FIG.No.
1:50,000		BY:	93A/6	2

at the south end of the claims to diorite and monzonite in the central part of the property. Coarse breccias of alkali basalt flank the stock to the east; felsic breccia and tuff lie to the north. Eocene sandstone and coal beds lie immediately south. Diorite and monzonite, which lie within the central core of the stock, are hydrothermally altered to K-feldspar, epidote and chlorite and commonly contain pyrite and lesser amounts of chalcopyrite and bornite. Stockworks and fracture coatings of these minerals predominate.

1986 DRILL PROGRAM

The 1986 drill program consisted of seven holes (206-1 to 7) comprising a total of 1,091 metres. Work commenced on October 28, 1986 and was completed on November 10, 1986. Collar information and hole lengths are given in Table I. Drilling was done by J. T. Thomas of Smithers, B.C. All core was logged on site and determinations made for recovery and rock quality index (RQD). Core was sampled on one metre lengths, combined into three metre composites and submitted for gold assays at Acme Analytical Laboratories Ltd. Gold (aqua regia leachable) was determined by atomic absorption methods (analytical procedures are given in Appendix I). Drill hole locations are given in Figure 3 and cross sections in Figures 4 to 7. Drill records are given in Appendix II. Drill core is stored on the property at the drill site.

TABLE I

DRILL DATA

HOLE #	LOCATION	ELEVATION(m)	LENGTH(m)	ORIENTATION
206-1	L95+00E, 66+75N	983	140.80	-90
206-2	L96+00E, 67+25N	989	152.40	-90
206-3	L96+00E, 66+25N	980	155.45	-90
206-4	L112+00E, 57+50E	945	154.84	90 @ -60
206-5	L112+80E, 57+50E	948	199.60	90 @ -60
206-6	L113+00E, 59+50E	948	139.60	90 @ -45
206-7	L112+80E, 57+50N	948	148.13	90 @ -45
TOTAL			<u>1,090.82</u>	=====

RESULTS

Core assays for drill holes 206-1 to 7 are given in Appendix III. None of the holes returned significant gold assay results.

Drill holes 206-1 to 3 cored felsic breccia and minor intercalated basic to intermediate volcanics. Locally, the rocks are weakly to moderately propylitized and calcareous. Disseminated pyrite, locally up to 8% explains the induced polarization anomaly.

Drill holes 206-4 to 7 cored barren Lemon Lake stock ranging in composition from microdiorite to syenite. Locally rocks are faulted and brecciated.

DISBURSEMENTS

Itemized costs applicable for assessment purposes are given in Appendix IV. Allocation of expenditures towards the Lem 3 claim is provided in the Statement of Exploration and Development form, also in Appendix IV.

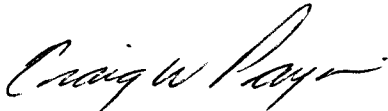
A total of \$117,830.60 is claimed as exploration expenditures on the property of which the following is applied as current claim assessment.

NAME	UNITS	RECORD #	EXPIRY	YEARS	COST
Lem 3	12	7811	July 24, 1990	2	2,400

Expiry date listed assume current work will be accepted.

Prepared by:

ORTEC GEOLOGICAL SERVICES



Craig W. Payne, M.Sc.
February 16, 1987

The core was logged by G. Goodall and R. Konat,
both graduate geologists, UBC, 1982/83.

A P P E N D I X I
ANALYTICAL PROCEDURES



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

GEOCHEMICAL LABORATORY METHODOLOGY

SAMPLE PREPARATION

1. Soil samples are dried at 60°C and sieved to -80 mesh.
2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis for Ag*, Bi*, Cd*, Co, Cu, Fe, Mn, Mo, Ni, Pb, Sb*, V, Zn

0.5 gram samples are digested hot dilute aqua regia in a boiling water bath and diluted to 10 ml with dimineralized water.

All the above elements are determined in the acid solution by Atomic Absorption.

* demotes background correction.

Geochemical Analysis for Au

10.0 gram samples that have been ignited overnite at 600°C are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 5 ppb direct AA and 1 ppb graphite AA.)

Geochemical Analysis for Au, Pd, Pt, Rh

10.0 - 30.0 gram samples are subjected to Fire assay preconcentration techniques to produce silver beads.

The silver beads are dissolved and Au, Pd, Pt, and Rh are determined in the solution by Atomic Absorption.

Geochemical Analysis for As

0.5 gram samples are digested with hot dilute aqua regia and diluted to 10 ml.

As is determined in the solution by Graphite Furnace Atomic Absorption.



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Geochemical Analysis for Barium

0.1 gram samples are digested with hot NaOH and EDTA solution.

Ba is determined in the solution by Atomic Absorption.

Geochemical Analysis for Uranium

0.5 gram samples are digested with hot aqua regia and diluted to 10 ml.

Aliquots of the acid extract are solvent extracted using a salting agent and aliquots of the solvent extract are fused with NaF, K_2CO_3 and Na_2CO_3 flux in a platinum dish.

The fluorescence of the pellet is determined on the Jarrel Ash Fluorometer.

Geochemical Analysis for Tungsten

1.0 gram samples are fused with KCl, KNO_3 and Na_2CO_3 flux in a test tube, and the fusions are leached with 10 ml water. W is in the solution determined by ICP with a detection of 1 ppm.

Geochemical Analysis for Fluorine

0.25 gram samples are fused with sodium hydroxide and leached with 10 ml water. The solution is neutralized, buffered, adjusted to pH 7.8 and diluted to 100 ml. Fluorine is determined by Specific Ion Electrode using an Orion Model 404 meter.

Geochemical Analysis for Tin

1.0 gram samples are fused with ammonium iodide in a test tube. The sublimed iodine is leached with dilute hydrochloric acid.

The solution is extracted with MIBK and tin is determined in the extract by Atomic Absorption.



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Telephone : 253 - 3158

Geochemical Analysis of Hg

Digestion

A .50 gram sample is digested with aqua regia and diluted with 20% HCl.

Determination

Hg in the solution is determined by cold vapour AA using F & J Scientific Hg assembly. An aliquot is added to stannous chloride-hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it is determined by AA.

Oxalic Acid Leach of Rock, Soil & Silt Samples

A .50 gram sample is digested hot with 10 mls 5% oxalic acid solution. The oxalic acid will dissolve Fe and Mn from their oxides of M - 1 fraction (but not from magnetite & ilmenite) limonites and clays. The following metals are analysed by atomic absorption : Cu, Zn, Pb, Ni, Mo, Fe & Mn.

Cold HCl Acid Extraction

A .50 gram sample is leached with 10 ml 5% HCl solution at room temperature for 2 hours with occasional shaking. Copper is dissolved from the organic and surface layers of clay fractions.

EDTA Extraction

A .50 gram sample is leached at room temperature for 4 hours with 10 mls of 2.5% EDTA solution.

A P P E N D I X I I

DRILL RECORDS

Location: 95+00B 66+75N

Azimuth:

Dip: -90 degrees

Started: October 30, 1986

Completed: October 31, 1986

Purpose: Test coincident geochem and IP anomaly

ORBEX INDUSTRIES INC.

DIAMOND DRILL RECORD

Elevation: 983m

Date logged: October 31, 1986

Hole No: 206-1

Page 1

Property: Gibbons Creek

Section: 66+75N

Claim No: LRM 2 (3058)

Logged by: G. Goodall

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
0	3.05	Casing in overburden.								
3.05	45.6	PBLSIC BRECCIA (3a)	7001	3.05	5	1.95	2	1	1	1
		Light green to grey, fine grained, weakly calcareous matrix supporting subangular to angular fragments (0.5cm to 2cm) of dark green, very fine grained basalt, 2% to 5% epidote occurs within matrix, and as aureoles around and within fragments, numerous calcite veinlets (1mm to 15mm wide) throughout, on average 4 per 10cm length, occur crosscutting fragments, locally pyrite disseminated in matrix to 2%, coarse grained pyrite infilling calcite veins, locally hematite to 5%.	7002	5	6	1	2	1	1	1
			7003	6	7	1	2	1	1	2
			7004	7	8	1	2	1	1	2
			7005	8	9	1	2	1	1	1
			7006	9	10	1	2	1	1	1
			7007	10	11	1	2	1	1	1
			7008	11	12	1	2	1	1	1
			7009	12	13	1	2	1	1	1
			7010	13	14	1	2	1	1	1
			7011	14	15	1	2	1	1	2
			7012	15	16	1	2	1	1	1
			7013	16	17	1	2	1	1	2
			7014	17	18	1	2	1	1	2
			7015	18	19	1	2	1	1	2
			7016	19	20	1	2	1	1	2
			7017	20	21	1	2	1	1	2
			7018	21	22	1	2	1	1	2
			7019	22	23	1	2	1	1	1
			7020	23	24	1	2	1	1	1
			7021	24	25	1	2	1	1	1
			7022	25	26	1	2	1	1	1
			7023	26	27	1	2	1	1	1
		27.8m to 33.5m - massive dark green basalt, no notable fragments or clasts weakly calcareous, trace to 2% epidote.	7024	27	28	1	2	1	1	2
			7025	28	29	1	1	1	1	3
			7026	29	30	1	2	2	1	2
		28.1m to 29.2m - bleached grey-white with numerous calcite stringers.	7027	30	31	1	2	1	1	1
			7028	31	32	1	1	1	2	1
			7029	32	33	1	1	1	2	1
		33.6m to 37.1m - intensely propylitized matrix, fragments moderately propylitized, fine grained disseminated pyrite to 2%.	7030	33	34	1	3	3	1	2
			7031	34	35	1	2	2	1	2
			7032	35	36	1	2	2	1	2
			7033	36	37	1	2	2	1	1
			7034	37	38	1	2	2	1	2
		38.0m - hematite and pyrite along shear surfaces.	7035	38	39	1	2	2	1	1
			7036	39	40	1	2	1	1	1
			7037	40	41	1	2	3	1	2
		41.2m - 10cm wide zone of hematite and coarse grained pyrite.	7038	41	42	1	1	2	1	2
			7039	42	43	1	2	2	1	2
		43.1m to 43.3m - massive propylite	7040	43	44	1	3	3	1	2
		43.6m to 44.9m - massive propylite with medium grained pyrite contained within epidote rich clasts and in propylite to 3%.	7041	44	45	1	3	2	1	2
			7042	45	46	1	3	2	1	2
			7043	46	47	1	2	2	1	2
45.6	50.1	PROPYLITIZED PBLSIC BRECCIA (3b)	7044	47	48	1	2	1	1	1

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
		and make up to 8% Hornblende 3%, augite <1%, trace to 3% epidote, and trace biotite make up the rock.	7096	99	100	1	1	1	2	2
		Fine grained pyrite (up to 2%) occurs within the epidote rich sections.	7097	100	101	1	1	1	2	2
		Calcite infills fractures. Breccia fragments are subangular to angular and range in size from 1 to 3cm. Matrix material is fine grained and appears similar to felsic fragments. Unit is moderately to strongly magnetic. Locally epidote encases breccia fragments.	7098	101	102	1	1	1	2	2
		138.2m to 138.4m - rounded, white amygdules up to 10% 140.82m End of Hole.	7099	102	103	1	1	1	2	1
			7100	103	104	1	1	0	1	1
			7101	104	105	1	1	0	1	2
			7102	105	106	1	1	1	1	1
			7103	106	107	1	1	1	1	1
			7104	107	108	1	1	1	1	1
			7105	108	109	1	1	1	1	1
			7106	109	110	1	1	1	1	1
			7107	110	111	1	1	1	1	1
			7108	111	112	1	1	1	1	1
			7109	112	113	1	1	1	1	1
			7110	113	114	1	1	2	1	1
			7111	114	115	1	1	1	1	1
			7112	115	116	1	1	1	1	1
			7113	116	117	1	1	1	1	1
			7114	117	118	1	1	1	1	1
			7115	118	119	1	1	2	1	1
			7116	119	120	1	1	1	1	1
			7117	120	121	1	1	1	1	1
			7118	121	122	1	1	1	1	1
			7119	122	123	1	1	1	1	1
			7120	123	124	1	1	1	1	1
			7121	124	125	1	1	1	1	1
			7122	125	126	1	1	1	1	1
			7123	126	127	1	1	1	1	1
			7124	127	128	1	1	1	1	1
			7125	128	129	1	1	1	1	1
			7126	129	130	1	1	1	1	1
			7127	130	131	1	1	1	1	1
			7128	131	132	1	1	1	1	1
			7129	132	133	1	1	1	1	1
			7130	133	134	1	1	1	1	1
			7131	134	135	1	1	1	1	1
			7132	135	136	1	1	1	1	1
			7133	136	137	1	1	1	1	1
			7134	137	138	1	1	1	1	1
			7135	138	139	1	1	1	1	1
			7136	139	140	1	1	1	1	1
			7137	140	140.8	0.8	1	1	1	1

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
		Large (1cm to 5cm) subangular to angular fragments of analcite rich basalt, analcite phenocrysts are rounded, 1mm to 3mm in diameter, white to orange-red and are often replaced by epidote. Fragments compose up to 40% by volume, medium grained pyrite to 2% is often associated.	7045	48	49	1	1	1	1	1
			7046	49	50	1	1	2	1	2
			7047	50	51	1	2	3	1	2
			7048	51	52	1	3	3	1	2
			7049	52	53	1	3	3	1	2
			7050	53	54	1	2	3	3	2
50.1	52.9	FELSIC BRECCIA (3a)	7051	54	55	1	2	3	1	1
		52.5m to 52.9m - chlorite rich fault.	7052	55	56	1	2	2	1	1
52.9	60.1	HORNBLENDE DYKE (4a)	7053	56	57	1	2	2	1	1
		Dark green, very fine grained matrix with 10 to 15 % subparallel hornblende phenocrysts 1 to 2mm in length and 3 to 5% biotite books 1 to 2mm wide. Rounded to subrounded white phenocrysts analcite? are seen throughout. Two to 5% epidote and 1 to 3% pyrite occurs within the propylitized zones. Calcite veinlets 1 to 10 mm wide occurs throughout the unit. Rocks are weakly to moderately magnetic.	7054	57	58	1	2	2	1	1
			7055	58	59	1	2	2	1	2
			7056	59	60	1	2	2	1	2
			7057	60	61	1	2	2	1	2
			7058	61	62	1	2	2	1	2
			7059	62	63	1	2	2	1	2
			7060	63	64	1	2	2	1	2
			7061	64	65	1	2	1	1	2
60.1	102.0	FELSIC BRECCIA (3a)	7062	65	66	1	2	1	1	2
		Rock is weakly to moderately propylitized and weakly to moderately calcareous with calcite encasing fragments. Locally fragments are subangular to angular 5mm to 5cm in size and are dominantly composed of massive fine grained, dark green basalt. The fragments are often fractured and are crosscut by calcite veinlets Hematite occurs within calcite veinlets. Locally pyrite (1%, pyrrhotite and magnetite occur along shear surfaces.	7063	66	67	1	1	1	1	1
			7064	67	68	1	1	1	1	1
			7065	68	69	1	1	1	1	1
			7066	69	70	1	1	1	1	2
			7067	70	71	1	1	1	1	2
			7068	71	72	1	1	2	1	1
			7069	72	73	1	1	2	2	1
			7070	73	74	1	1	1	2	1
			7071	74	75	1	1	1	3	1
			7072	75	76	1	1	1	3	1
			7073	76	77	1	1	1	1	1
			7074	77	78	1	1	1	1	1
			7075	78	79	1	1	1	1	1
			7076	79	80	1	1	1	1	1
			7077	80	81	1	1	1	1	1
			7078	81	82	1	1	1	1	1
			7079	82	83	1	1	1	2	1
			7080	83	84	1	1	1	2	1
			7081	84	85	1	1	1	1	1
			7082	85	86	1	1	1	1	1
102.0	105.9	SILTSTONE (2)	7083	86	87	1	1	1	1	1
		Light grey, fine grained particles set in groundmass	7084	87	88	1	1	1	2	1
		Rock is moderately fractured with calcite infilling fractures. Locally fine grained pyrite occurs within fractures. Epidote occurs along fractures as well as discrete blebs within the groundmass (up to 5%).	7085	88	89	1	1	1	2	2
			7086	89	90	1	1	1	2	2
			7087	90	91	1	1	1	2	2
			7088	91	92	1	1	1	2	2
			7089	92	93	1	1	1	2	2
			7090	93	94	1	1	1	2	2
			7091	94	95	1	1	1	2	2
			7092	95	96	1	1	1	2	2
105.9	140.8	FELSIC BRECCIA (3a)	7093	96	97	1	1	1	2	2
		Dark green, very fine grained matrix with abundant minute off white feldspar laths which are subaligned	7094	97	98	1	1	1	2	2
			7095	98	99	1	1	1	2	2

Location: 96+00R 67+25N

ORBEI INDUSTRIES INC.

Hole No: 206-2

Azimuth:

DIAMOND DRILL RECORD

Page 1

Dip: -90 degrees

Length (m): 152.4

Elevation: 989m

Property: Gibbons Creek

Started: October 31, 1986

Core size: NQWL

Date logged: November 2, 1986.

Section: 67+25N

Completed: November 1, 1986

Dip Tests: 0m (-90 degrees); 152.4m (-87 degrees)

Claim No: Lem 2 (3058)

Purpose: To test coincident gold soil anomaly and IP anomaly.

Logged by: C. W. Payne

From	To	Description	SAMPLE NO.	'SPROM(m)	TO(m)	LENGTH(m)	Ep	Ca	Chl	Py
0	5.1	OVERBURDEN	7138	6.1	7	0.9	2	2	1	1
6.1	10.5	FELSIC BRECCIA (3a)	7139	7	8	1	2	2	1	1
		Mottled light green to green, fine to medium grained	7140	8	9	1	2	2	1	1
		1mm to 1cm irregular to rounded patches of epidote	7141	9	10	1	2	2	1	2
		making up to 3% of the core. 1mm to 4mm wide calcite	7142	10	11	1	2	2	1	1
		(white) veinlets, rare 1mm to 2mm wide pyrite	7143	11	12	1	2	2	1	1
		veinlets, few subangular syenitic? looking fragments	7144	12	13	1	3	3	1	2
		(1 to 3cm), matrix supported.	7145	13	14	1	3	4	2	2
10.5	11.6	HORNBLENDE DYKE (4a)	7146	14	15	1	3	5	2	2
		1mm by 5mm subparallel hornblende laths (up to 12X)	7147	15	16	1	3	4	2	2
		set in a very fine grained greenish grey matrix.	7148	16	17	1	3	5	2	2
		Core is weakly to moderately magnetic. Large	7149	17	18	1	1	2	1	1
		0.5mm to 2cm wide patches of epidote scattered	7150	18	19	1	1	1	1	1
		throughout. Lower contact is sharp at 30 to	7151	19	20	1	1	1	1	1
		core axis. Upper contact is sharp and perpendicular	7152	20	21	1	2	1	1	1
		to core axis.	7153	21	22	1	2	1	1	1
11.6	17.4	FELSIC BRECCIA (3a)	7154	22	23	1	1	1	1	1
		Mottled light green to green, fine to medium	7155	23	24	1	1	1	1	1
		grained matrix. Locally, rounded amygdules altered	7156	24	25	1	1	1	1	1
		to epidote + chlorite. Very few subangular light	7157	25	26	1	2	1	1	1
		pinkish fragments ranging from <0.5cm to 3cm in	7158	26	27	1	3	1	1	1
		size are locally supported by a calcite matrix.	7159	27	28	1	2	1	1	1
		15m - 17m Intensely propylitized felsic breccia	7160	28	29	1	2	1	1	1
		Locally disseminated pyrite up to 8%. Pyrite also	7161	29	30	1	2	2	1	2
		occurs in stringers up to 2mm wide. Fragments	7162	30	31	1	3	2	2	2
		(subangular) of syenite? up to 6cm in size are	7163	31	32	1	3	2	2	2
		not as altered as matrix but still contains	7164	32	33	1	3	2	2	2
		pyrite stringers.	7165	33	34	1	3	2	2	2
17.4	19.56	HORNBLENDE DYKE (4a)	7166	34	35	1	3	2	2	2
		Contains up to 10X-15X black 1mm to 5mm hornblende	7167	35	36	1	3	2	2	2
		laths set in a fine grained matrix. Irregular shaped	7168	36	37	1	3	1	2	2
		feldspar grains making up to <1% of rock.	7169	37	38	1	3	2	2	2
		Upper and lower contact sharp at 10 deg. to core axis.	7170	38	39	1	3	2	2	2
		Upper contact has 1cm wide epidote rich zone at	7171	39	40	1	2	2	1	1
		contact. Epidote alteration decreases away from contact.	7172	40	41	1	2	2	1	2
19.56	31.40	FELSIC BRECCIA (3a)	7173	41	42	1	2	2	1	1
		Small (<1 to 2cm) fragments of light green volcanic?	7174	42	43	1	2	2	1	1
		set in mottled green fine grained matrix. Locally	7175	43	44	1	3	2	1	1
		disseminated pyrite is up to 5% over 20cm core length.	7176	44	45	1	2	2	1	2
		Locally calcite and pyrite veinlets up to 2-3mm wide cut	7177	45	46	1	2	2	1	1
		core at 30 degrees. Disseminated pyrite cubes and	7178	46	47	1	2	2	1	1
		irregular masses up to 2X. 5mm to 1cm wide veinlets of	7179	47	48	1	1	2	1	2
		white calcite and pink feldspar are present.	7180	48	49	1	1	2	1	3
		Feldspar also occurs as irregular blebs throughout core.	7181	49	50	1	1	2	1	3

From	To	Description	SAMPLE NO.	'SPRON(m)	TO(m)	LENGTH(m)	Ep	Ca	Cl	Py
		Pyrite also occurs in subrounded epidote rich anygdules	7182	50	51	1	1	2	1	3
		25.7m - 0.5cm wide calcite + pyrite veinlet at 30 deg.	7183	51	52	1	1	2	1	3
		to core axis.	7184	52	53	1	2	2	1	2
31.4	38.71	PROPYLITIZED FLOW BRECCIA (3b)	7185	53	54	1	2	2	1	3
		Zone is light green, very fine grained matrix with	7186	54	55	1	2	2	1	2
		subangular to rounded dark green to black fragments	7187	55	56	1	2	2	1	2
		which average 1-2cm in size and commonly are moderately	7188	56	57	1	1	3	1	2
		magnetic. Disseminated pyrite content averages 2-3%.	7189	57	58	1	3	2	1	1
38.71	47.8	PELSIC BRECCIA (3a)	7190	58	59	1	2	2	1	1
		Disseminated pyrite (4-5%) in propylitized zone; zone is	7191	59	60	1	2	2	1	2
		bounded by calcite + pyrite veinlets ranging from 1-1.5cm	7192	60	61	1	2	2	1	1
		wide. Veinlets crosscut core at 30deg. to core axis.	7193	61	62	1	2	2	1	1
47.8	52.17	SYENITE (5)	7194	62	63	1	3	2	1	3
		Light brownish grey, medium to fine grained, locally	7195	63	64	1	3	2	1	2
		fractured with fractures infilled with barren calcite	7196	64	65	1	3	2	1	2
		also calcite blebs are found locally. Core is very siliceous	7197	65	66	1	2	2	1	1
		Minor feldspar veinlets with quartz and calcite. Pyrite	7198	66	67	1	2	2	1	1
		content in syenite varies from 2 to 5% at 51.5m to 51.85m	7199	67	68	1	2	1	1	1
		Pyrite occurs as stringers (1mm to 1cm wide) and as irregular	7200	68	69	1	2	1	1	1
		disseminations throughout.	7201	69	70	1	2	1	1	2
52.17	152.4	PELSIC BRECCIA (3a)	7202	70	71	1	2	1	1	2
		Light green to green, fine grained matrix with angular 1-2cm	7203	71	72	1	3	1	1	2
		dark fragments; breccia is matrix supported. Disseminated	7204	72	73	1	2	1	1	2
		pyrite throughout up to 5%. Pyrite also occurs as 1-3mm	7205	73	74	1	3	2	1	2
		wide stringers throughout .	7206	74	75	1	3	2	1	2
		Feldspar veinlets are seen locally.	7207	75	76	1	2	2	1	2
		54.03m-54.1m - massive pyrite vein with calcite and feldspar	7208	76	77	1	2	1	1	1
		56m-57m - large pyritic syenite fragments up to 12cm in fine	7209	77	78	1	3	1	1	2
		grained matrix	7210	78	79	1	3	2	1	1
		62.27m-63.3m - massive pyrite and calcite veinlet;30 deg. to	7211	79	80	1	3	1	1	1
		core axis	7212	80	81	1	3	1	1	2
		63.3m-65.3m - light green breccia zone; fragments range from	7213	81	82	1	3	1	1	2
		1-2cm and are matrix supported, disseminated pyrite occurs	7214	82	83	1	3	1	1	2
		as irregular masses up to 5%, locally 1-2mm wide pyrite	7215	83	84	1	3	1	1	2
		stringers present	7216	84	85	1	3	2	1	2
		68m-71m - broken and blocky core	7217	85	86	1	2	1	1	3
		71.7m-87.5m - light green, fine grained matrix with angular	7218	86	87	1	3	1	1	2
		to subrounded dark green to green fragments ranging from	7219	87	88	1	2	1	1	2
		1 to 3cm in size. Zone is matrix supported. Calcite veining	7220	88	89	1	2	1	1	2
		approximately every 10cm along core. Locally disseminated	7221	89	90	1	2	1	1	2
		pyrite content up to 1-2%.	7222	90	91	1	2	1	1	2
		85m-87m - broken and blocky core, in zone is massive pyrite	7223	91	92	1	2	1	1	2
		up to 80%; 1-2mm pyrite cubes	7224	92	93	1	2	1	1	2
		dark green fragments are becoming larger up to 10cm	7225	93	94	1	2	1	1	2
		pyrite (5-15%) occurs as disseminations and along fractures	7226	94	95	1	2	2	1	2
		89.4m-93.6m - amygdaloidal flow? , analcite basalt?	7227	95	96	1	2	1	1	2
		amygdules infilled with epidote, calcite and trace pyrite	7228	96	97	1	2	1	1	2
		and feldspar, amygdules range in size from 0.5 to 1cm	7229	97	98	1	2	2	1	2
		locally amygdules are zoned, rarely are fragments present	7230	98	99	1	2	1	1	2
		93.6m-100.0m - breccia, large (4-8cm) angular fragments	7231	99	100	1	2	1	1	2
		set in fine grained dark green matrix, rock is matrix	7232	100	101	1	3	1	1	2

From	To	Description	SAMPLE NO.	'SPROM(m)	TO(m)	LENGTH(m)	Ep	Ca	Cl	Py
		supported, pyrite content varies up to 2%	7233	101	102	1	2	2	1	2
		109.85m - 0.5cm wide feldspar, calcite and pyrite veinlet	7234	102	103	1	2	2	1	2
		cuts core at 30 degrees	7235	103	104	1	2	1	1	2
		111.2m-132.97m - felsic breccia, matrix supported	7236	104	105	1	2	1	1	2
		139.7m-142.15m - amygdaloidal basalt?, analcite basalt?	7237	105	106	1	2	1	1	2
		round, white amygdules (analcite?) set in fine grained	7238	106	107	1	2	1	1	2
		dark green matrix, most amygdules are altered to epidote	7239	107	108	1	2	1	1	2
		143.67m - 2cm wide calcite veinlet	7240	108	109	1	2	1	1	2
		143.76m-144.0m - abundant calcite veins and veinlets	7241	109	110	1	2	1	1	2
		1 vein per centimetre	7242	110	111	1	2	1	1	2
		144.0m-152.4m - large green fragments (up to 10cm) set in	7243	111	112	1	1	1	1	1
		green matrix	7244	112	113	1	1	1	1	2
		152.4- End of hole.	7245	113	114	1	1	1	1	1
			7246	114	115	1	1	1	1	1
			7247	115	116	1	1	1	1	1
			7248	116	117	1	1	1	1	1
			7249	117	118	1	1	1	1	1
			7250	118	119	1	1	1	1	1
			7251	119	120	1	1	1	1	1
			7252	120	121	1	2	1	1	1
			7253	121	122	1	2	1	1	1
			7254	122	123	1	1	1	1	1
			7255	123	124	1	1	1	1	1
			7256	124	125	1	2	1	1	1
			7257	125	126	1	1	1	1	1
			7258	126	127	1	1	1	1	1
			7259	127	128	1	1	1	1	1
			7260	128	129	1	1	1	1	1
			7261	129	130	1	1	1	1	1
			7262	130	131	1	1	1	1	1
			7263	131	132	1	1	1	1	1
			7264	132	133	1	1	1	1	1
			7265	133	134	1	1	1	1	1
			7266	134	135	1	2	1	1	1
			7267	135	136	1	2	1	1	1
			7268	136	137	1	2	1	1	2
			7269	137	138	1	2	2	1	1
			7270	138	139	1	1	2	1	1
			7271	139	140	1	1	1	1	1
			7272	140	141	1	1	1	1	1
			7273	141	142	1	1	1	1	1
			7274	142	143	1	2	2	1	1
			7275	143	144	1	2	2	1	1
			7276	144	145	1	2	2	1	1
			7277	145	146	1	2	2	1	1
			7278	146	147	1	2	2	1	1
			7279	147	148	1	2	2	1	1
			7280	148	149	1	2	2	1	1
			7281	149	150	1	2	1	1	1
			7282	150	151	1	2	1	1	1
			7283	151	152	1	2	2	1	1

From	To	Description	SAMPLE NO.	'S	FROM(m)	TO(m)	LENGTH(m)	Ep	Ca	Cl	Py
<hr/>											
			7284		152	152.4	0.4	2	1	1	1

Location: 96+00E, 66+25N

Azimuth:

Dip: -90 degrees

Started: November 2, 1986

Completed: November 3, 1986

Purpose: To test coincident gold soil anomalies and IP anomalies

Length (m): 155.45

Core size: NQWL

Dip Tests: 0m (-90 degrees); 155.45m (-74 degrees)

ORBEX INDUSTRIES INC.

DIAMOND DRILL RECORD

Elevation: 980m

Date logged: November 6&7, 1986

Hole No: 206-3

Page 1

Property: Gibbons Creek

Section: 66+25N

Claim No: Lem 2, 3058

Logged by: C. W. Payne

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
0	4.88	OVERBURDEN	7285	5.79	7	1.21	1	1	1	1
4.88	5.15	HORNBLENDE DYKE (4a)	7286	7	8	1	1	5	1	1
		Black 1mm x 4mm hornblende laths set in a fine grained green-grey matrix. Rock is moderately magnetic with isolated (<1%) disseminated pyrite grains.	7287	8	9	1	2	5	1	1
			7288	9	10	1	2	5	1	1
			7289	10	11	1	2	1	1	1
5.15	125.4	FELSIC BRECCIA (3a)	7290	11	12	1	1	1	1	1
		Fragments range from <1cm to 10cm in size and are set in a very fine grained dark green to green matrix. Rock is matrix supported.	7291	12	13	1	1	1	1	1
			7292	13	14	1	1	1	1	1
			7293	14	15	1	1	1	1	1
		6.25m-6.6m - feldspar and calcite vein, 60 deg. to core axis, minor sericite gouge at contacts	7294	15	16	1	2	1	1	1
			7295	16	17	1	2	1	1	1
		6.25m-11.0m - moderate calcite veining ranging from 1mm to 1cm wide, cuts core at 20to50 degrees	7296	17	18	1	2	1	1	1
			7297	18	19	1	1	1	1	1
		5.15m-27.0m - disseminated pyrite <1%, also occurs as 1mm to 2mm wide stringers	7298	19	20	1	1	1	1	1
			7299	20	21	1	1	1	1	1
		19.60m - 4cm wide epidote rich zone contains up to 2% irregular masses of pyrite	7300	21	22	1	1	1	1	1
			7301	22	23	1	2	1	1	1
		22.50m - 1cm wide calcite vein, 45 deg. to core axis	7302	23	24	1	1	1	1	1
		29.50m - 1cm wide feldspar, pyrite and calcite vein, 50 deg. to core axis	7303	24	25	1	1	1	1	1
			7304	25	26	1	1	1	1	1
		27.57m-50.75m - felsic breccia, matrix supported, throughout length are small veinlets to veins of calcite cutting core at different angles, also small irregular patches of epidote	7305	26	27	1	1	1	1	1
			7306	27	28	1	1	1	1	1
			7307	28	29	1	1	1	1	1
			7308	29	30	1	2	1	1	1
		1mm to 5mm wide stringers of pyrite throughout	7309	30	31	1	1	1	1	1
		50.75m-73.24m - felsic breccia, fragments are light greenish-grey to black and range in size from < 1cm to > 15cm, matrix is green to dark green and very fine grained; pyrite occurs as disseminations and as irregular masses up to 1%	7310	31	32	1	1	1	1	1
			7311	32	33	1	1	1	1	1
			7312	33	34	1	2	1	1	1
			7313	34	35	1	1	1	1	1
			7314	35	36	1	1	1	1	1
		63.30m - 2cm wide calcite, feldspar vein, 70 deg. to core axis	7315	36	37	1	1	1	1	1
			7316	37	38	1	1	1	1	1
		76.0m-76.81m - abundant calcite veining, 5 veinlets per 10cm length, veinlets are up to 0.5cm wide, no visible sulphides	7317	38	39	1	1	1	1	1
			7318	39	40	1	1	1	1	1
			7319	40	41	1	1	1	1	1
		93.40m - 2cm wide calcite, epidote veinlet, 40 deg. to core axis	7320	41	42	1	2	1	1	1
			7321	42	43	1	2	1	1	1
			7322	43	44	1	1	1	1	1
			7323	44	45	1	1	1	1	1
			7324	45	46	1	1	1	1	1
			7325	46	47	1	1	1	1	1
			7326	47	48	1	1	1	1	1
			7327	48	49	1	1	1	1	1
			7328	49	50	1	1	1	1	1
			7329	50	51	1	2	1	1	1

Ep=epidote Ca=calcite Py=pyrite Chl=chlorite 0=absent 5=intense

Orbex Industries Inc. 03/04/87

From	To	Description	Sample#	From	To	Length	Bp	Ca	Chl	Py
			7330	51	52	1	1	1	1	1
			7331	52	53	1	1	5	1	1
			7332	53	54	1	1	1	1	1
			7333	54	55	1	1	1	1	1
			7334	55	56	1	1	5	1	1
			7335	56	57	1	1	1	1	1
			7336	57	58	1	1	1	1	1
			7337	58	59	1	1	1	1	1
			7338	59	60	1	1	1	1	1
			7339	60	61	1	1	1	1	1
			7340	61	62	1	1	1	1	1
			7341	62	63	1	1	1	1	1
			7342	63	64	1	1	5	1	1
			7343	64	65	1	1	1	1	1
			7344	65	66	1	1	1	1	1
			7345	66	67	1	1	1	1	1
			7346	67	68	1	1	1	1	1
			7347	68	69	1	1	1	1	1
			7348	69	70	1	1	5	1	1
			7349	70	71	1	1	1	1	1
			7350	71	72	1	1	1	1	1
			7351	72	73	1	1	1	1	1
			7352	73	74	1	1	1	1	1
			7353	74	75	1	1	1	1	1
			7354	75	76	1	1	1	1	1
			7355	76	77	1	1	1	1	1
			7356	77	78	1	1	1	1	1
			7357	78	79	1	1	1	1	1
			7358	79	80	1	1	1	1	1
			7359	80	81	1	1	1	1	1
			7360	81	82	1	1	1	1	1
			7361	82	83	1	1	1	1	1
			7362	83	84	1	1	1	1	1
			7363	84	85	1	1	1	1	1
			7364	85	86	1	1	1	1	1
			7365	86	87	1	1	1	1	1
			7366	87	88	1	1	1	1	1
			7367	88	89	1	1	1	1	1
			7368	89	90	1	1	1	1	1
			7369	90	91	1	1	1	1	1
			7370	91	92	1	1	1	1	1
			7371	92	93	1	1	1	1	1
			7372	93	94	1	1	1	1	1
			7373	94	95	1	1	1	1	1
			7374	95	96	1	1	1	1	1
			7375	96	97	1	1	1	1	1
			7376	97	98	1	1	1	1	1
			7377	98	99	1	1	1	1	1
			7378	99	100	1	1	1	1	1
			7379	100	101	1	1	1	1	1
			7380	101	102	1	1	1	1	1
		96.0m-118.15m - felsic breccia, angular fragments ranging from 1cm to 25cm in size set in a dark green fine grained matrix, fragments appear to be basalt and syenite; disseminated pyrite throughout and small irregular masses, small irregular pods of epidote are common								

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
			7381	102	103	1	1	1	1	1
			7382	103	104	1	2	1	1	1
			7383	104	105	1	1	1	1	1
			7384	105	106	1	1	1	1	1
			7385	106	107	1	1	1	1	1
			7386	107	108	1	1	1	1	1
			7387	108	109	1	1	1	1	1
			7388	109	110	1	1	1	1	1
		110.8m - calcite, epidote and hematite veinlet, 60 deg. to core axis	7389	110	111	1	1	1	1	1
			7390	111	112	1	1	1	1	1
			7391	112	113	1	2	1	1	1
			7392	113	114	1	1	1	1	1
			7393	114	115	1	1	1	1	1
			7394	115	116	1	1	1	1	1
			7395	116	117	1	1	1	1	1
			7396	117	118	1	1	1	1	1
			7397	118	119	1	1	1	1	1
			7398	119	120	1	1	1	1	1
			7399	120	121	1	1	1	1	1
			7400	121	122	1	1	1	1	1
			7401	122	123	1	1	1	1	1
			7402	123	124	1	1	1	1	1
			7403	124	125	1	1	1	1	1
125.4	126.8	HORNBLENDE DYKE (4a)	7404	125	126	1	1	1	1	1
		Dyke is weakly altered with epidote, trace chlorite and contains trace disseminated pyrite. Hornblende laths range from 1mm to 3mm in size. Upper and lower contacts at 80 deg. to core axis.	7405	126	127	1	1	1	1	1
			7406	127	128	1	1	1	1	1
			7407	128	129	1	1	2	1	1
			7408	129	130	1	1	1	1	1
126.8	145.85	PELSIC BRECCIA (3a)	7409	130	131	1	1	1	1	1
		Breccia contains large angular fragments up to 25cm. Breccia is matrix supported.	7410	131	132	1	1	1	1	1
			7411	132	133	1	1	1	1	1
			7412	133	134	1	1	1	1	1
			7413	134	135	1	1	1	1	1
			7414	135	136	1	2	2	1	1
			7415	136	137	1	2	2	1	1
			7416	137	138	1	2	2	1	1
			7417	138	139	1	2	2	1	1
			7418	139	140	1	2	2	1	1
			7419	140	141	1	1	1	1	1
			7420	141	142	1	1	1	1	1
			7421	142	143	1	1	1	1	1
			7422	143	144	1	1	1	1	1
			7423	144	145	1	1	1	1	1
145.85	148.2	HORNBLENDE DYKE (4a)	7424	145	146	1	1	1	1	1
		Unaltered dyke with 1mm to 4mm hornblende laths set in a greenish-grey fine grained matrix. Contacts with surrounding breccia are sharp, margins are chilled.	7425	146	147	1	1	1	1	1
			7426	147	148	1	1	1	1	1
			7427	148	149	1	1	1	1	1
148.20	149.8	PELSIC BRECCIA (3a)	7428	149	150	1	1	1	1	1
		Dark green to black fragments set in green matrix. Rock is weakly propylitized.	7429	150	151	1	1	1	1	1
			7430	151	152	1	1	1	1	1
149.80	152.7	HORNBLENDE DYKE (4a)	7431	152	153	1	1	1	1	1

Location: 112+00B, 57+50N

Azimuth: 090 deg.

Dip: -60 deg.

Started: November 3, 1986

Completed: November 5, 1986

Purpose: Test gold soil anomaly and weak IP anomaly.

ORBEX INDUSTRIES INC.

DIAMOND DRILL RECORD

Length (m): 154.84

Core size: NQWL

Dip Tests: 0 (-60 deg.); 93.9m (-51.5 deg.)

Hole No: 206-4

Page 1

Property: Gibbons Creek

Section: 57+50N

Claim No: Lem 3, 7811

Logged by: G. Goddall

Elevation: 945 m

Date logged: November 9, 1986

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
0	3.05	OVERBURDEN	7436	3.95	4	0.95	0	1	1	1
3.05	52.8	MICRODIORITE (5)	7437	4	5	1	1	1	1	1
		Dark green, fine grained matrix, weakly to moderately calcareous, rock is moderately to highly magnetic.	7438	5	6	1	0	1	1	1
		Hornblende laths range from <1mm to 2mm in size and comprise up to 2%. Rock is moderately fractured with chlorite and locally epidote along the fractures. Calcite veinlets (1mm to 3mm in size occur throughout, cutting core at 45 to 50 deg. to core axis. Throughout section is trace disseminated pyrite and chalcopyrite.	7439	6	7	1	1	1	1	1
			7440	7	8	1	1	1	1	2
			7441	8	9	1	1	1	1	2
			7442	9	10	1	0	1	1	1
			7443	10	11	1	0	1	1	1
			7444	11	12	1	0	1	1	1
			7445	12	13	1	0	1	1	1
			7446	13	14	1	0	1	1	2
		35.4m-36.8m - syenite dykes with calcite stringers and epidote blebs	7447	14	15	1	0	1	1	1
			7448	15	16	1	0	1	1	1
			7449	16	17	1	1	1	2	1
			7450	17	18	1	1	1	1	1
			7451	18	19	1	0	1	1	1
			7452	19	20	1	0	1	1	1
			7453	20	21	1	0	1	1	1
			7454	21	22	1	1	1	1	1
			7455	22	23	1	0	1	1	1
			7456	23	24	1	1	1	1	1
			7457	24	25	1	0	1	1	1
			7458	25	26	1	0	1	1	1
			7459	26	27	1	0	1	1	1
			7460	27	28	1	0	1	1	1
			7461	28	29	1	0	1	1	1
			7462	29	30	1	0	1	1	1
			7463	30	31	1	0	1	2	1
			7464	31	32	1	0	1	1	1
			7465	32	33	1	0	1	1	1
			7466	33	34	1	0	1	1	1
			7467	34	35	1	0	1	1	2
			7468	35	36	1	0	1	1	1
			7469	36	37	1	1	1	2	2
			7470	37	38	1	1	1	1	1
			7471	38	39	1	1	1	1	1
			7472	39	40	1	1	1	1	1
			7473	40	41	1	1	1	1	1
			7474	41	42	1	1	1	1	1
			7475	42	43	1	1	1	1	1
		43.0m-44.2m - grey-white to orange syenite dykes cutting brick red syenite dykes, trace to 2% disseminated pyrite	7476	43	44	1	1	1	1	1
			7477	44	45	1	1	1	1	1
			7478	45	46	1	1	1	1	1
			7479	46	47	1	1	1	1	1
			7480	47	48	1	0	1	1	1

From	To	Description	Sample#	From	To	Length	Bp	Ca	Chl	Py
		48.3m-51.8m - broken and sheared diorite with chlorite	7481	48	49	1	0	1	1	1
		along sheared surfaces	7482	49	50	1	0	1	1	2
		51.9m-52.0m - disseminated pyrite to 3%, large blebs of	7483	50	51	1	0	1	1	2
		chalcoppyrite (5mm to 10mm) to 2%, minor pyrite and	7484	51	52	1	1	1	1	2
		chalcoppyrite along fracture surfaces.	7485	52	53	1	2	2	1	2
52.8	71.9	SYENITE (5)	7486	53	54	1	0	1	1	2
		Brick red to off white, medium grained feldspar	7487	54	55	1	0	1	1	1
		phenocrysts set in dark grey-green matrix, locally	7488	55	56	1	1	1	1	1
		trachytic. Hornblende laths up to 2%. Rock is moderately	7489	56	57	1	1	1	1	1
		fractured with fractures infilled with with calcite.	7490	57	58	1	1	1	1	2
		Locally rock is weakly prophyllitized with disseminated	7491	58	59	1	1	1	1	2
		pyrite to 2%.	7492	59	60	1	1	1	1	2
		60.0m-62.5m - calcareous basalt with 1cm to 2cm dykes of	7493	60	61	1	1	1	1	1
		syenite.	7494	61	62	1	1	1	1	2
		64.1m-64.9m - numerous calcite dykes cutting basalt	7495	62	63	1	1	1	1	2
		66.9m - brecciated syenite with chlorite and locally	7496	63	64	1	1	1	1	2
		epidote along fractures	7497	64	65	1	1	1	1	2
		Increase in epidote from 69.5m to 71.9m (up to 8%)	7498	65	66	1	1	1	1	2
			7499	66	67	1	1	1	1	2
			7500	67	68	1	1	1	1	1
			7501	68	69	1	1	2	1	1
			7502	69	70	1	1	2	1	2
			7503	70	71	1	2	3	1	1
71.9	73.8	CHLORITIC FAULT GOUGE	7504	71	72	1	1	3	1	1
		Highly calcareous, grey-green, fine grained fault gouge.	7505	72	73	1	1	2	3	1
73.8	139.3	NEPHELINE SYENITE to DIOBITE (5)	7506	73	74	1	1	2	2	1
		Course grained feldspar, hornblende, biotite and	7507	74	75	1	1	2	1	2
		nepheline? phenocrysts set in dark green matrix.	7508	75	76	1	1	2	1	2
		Pink-orange feldspar phenocrysts range from 10 to 15%,	7509	76	77	1	1	2	1	2
		hornblende- 8to20%, biotite- 5to7%, and nepheline- 10 to	7510	77	78	1	1	2	1	2
		20%. Unit is cross cut by numerous brick red syenite	7511	78	79	1	1	1	1	1
		dykes. Rock is moderately fractured with calcite	7512	79	80	1	1	1	1	1
		infilling fractures. Trace epidote occurs as isolated	7513	80	81	1	1	1	1	1
		blebs or as halos around fractures. Disseminated pyrite	7514	81	82	1	1	1	1	1
		(<1%) throughout. Rock is weakly to moderately magnetic.	7515	82	83	1	1	1	1	1
			7516	83	84	1	1	1	1	1
			7517	84	85	1	1	1	1	1
			7518	85	86	1	1	1	1	1
			7519	86	87	1	1	1	1	1
			7520	87	88	1	1	1	1	1
			7521	88	89	1	1	1	1	1
			7522	89	90	1	1	1	1	1
			7523	90	91	1	1	1	1	1
			7524	91	92	1	1	1	1	1
			7525	92	93	1	0	1	0	1
			7526	93	94	1	0	0	0	1
			7527	94	95	1	1	0	0	1
		96.8m - 8cm wide dyke of very fine grained, strongly	7528	95	96	1	0	0	0	1
		magnetic, dark grey intrusive rock, vague outlines of off	7529	96	97	1	1	0	0	1
		white feldspar laths making up to 15% of the rock.	7530	97	98	1	1	0	0	1
			7531	98	99	1	1	0	1	1

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
			7532	99	100	1	1	0	0	1
			7533	100	101	1	0	0	0	1
			7534	101	102	1	0	0	0	1
			7535	102	103	1	0	0	0	1
		105.1m-129.8m - increase in propylite to 10% , diorite	7536	103	104	1	1	0	0	1
		has a mottled appearance with epidote occurring in blebs	7537	104	105	1	1	0	0	1
		with trace pyrite and chalcopyrite.	7538	105	106	1	1	1	0	2
			7539	106	107	1	1	1	0	2
			7540	107	108	1	1	1	1	2
			7541	108	109	1	1	1	1	2
			7542	109	110	1	1	1	1	2
		111.9m-112.2m - shear zone, calcite infilling shears	7543	110	111	1	1	1	1	2
			7544	111	112	1	1	1	1	2
			7545	112	113	1	1	1	1	2
			7546	113	114	1	1	1	1	2
			7547	114	115	1	1	1	1	1
			7548	115	116	1	1	1	1	2
			7549	116	117	1	1	1	1	1
			7550	117	118	1	1	1	1	1
			7551	118	119	1	1	1	1	1
			7552	119	120	1	1	1	1	1
			7553	120	121	1	1	0	1	1
		121.5m-122.2m - fine grained dyke, moderately magnetic	7554	121	122	1	1	0	1	1
		contact with diorite is 35 deg. to core axis.	7555	122	123	1	1	0	1	1
			7556	123	124	1	1	0	1	1
			7557	124	125	1	1	0	1	1
			7558	125	126	1	1	0	1	1
			7559	126	127	1	1	0	1	1
			7560	127	128	1	1	0	1	1
			7561	128	129	1	1	0	1	1
			7562	129	130	1	1	0	1	1
		130.8m-133.4m - pegmatitic diorite with hornblende laths	7563	130	131	1	1	0	1	1
		ranging from 0.5cm to 4cm long, matrix is moderately	7564	131	132	1	1	1	1	1
		calcareous	7565	132	133	1	1	1	1	1
			7566	133	134	1	1	1	1	1
		134.2m-134.6m - moderately magnetic dyke with trace	7567	134	135	1	1	1	1	1
		epidote	7568	135	136	1	1	1	1	1
			7569	136	137	1	1	1	1	1
			7570	137	138	1	1	1	1	1
			7571	138	139	1	1	1	1	1
139.3	154.8	SYENITE (5)	7572	139	140	1	1	1	1	1
		Pinkish orange, fine to medium grained, non to weakly	7573	140	141	1	1	1	1	1
		calcareous rock. Abundant calcite veinlets throughout	7574	141	142	1	1	1	1	2
		section.	7575	142	143	1	1	1	1	1
		140.5m-146.2m - dark grey, fine grained diorite with	7576	143	144	1	1	1	1	1
		fine grained disseminated pyrite, locally up to 5%.	7577	144	145	1	1	1	1	1
		Trace epidote along fracture surfaces and minor calcite	7578	145	146	1	0	1	1	2
		veinlets.	7579	146	147	1	0	1	1	1
		146.2m-154.8m - fine to medium grained syenite with local	7580	147	148	1	0	1	1	1
		fractures infilled with calcite. Disseminated pyrite	7581	148	149	1	0	1	1	1
		(<1%) throughout.	7582	149	150	1	0	1	1	1

From	To	Description	Sample	From	To	Length	Ep	Ca	Cbl	Py
154.84m		End of Hole.	7583	150	151	1	0	1	1	1

Location: 112+80R, 57+50N

Azimuth: 094 Degrees

Dip: -60 Degrees

Started: November 5, 1986

Completed: November 6, 1986

Purpose: To test gold soil anomaly with coincident weak IP anomaly

ORBEX INDUSTRIES INC.

DIAMOND DRILL RECORD

Elevation: 948m

Date logged: November 11, 1986

Hole No: 206-5

Page 1

Property: Gibbons Creek

Section: 57+50N

Claim No: Lem 3 (7811)

Logged by: G. Goodall

From	To	Description	Sample#	From	To	Length	Bp	Ca	Chl	Py
0	6.7	OVERBURDEN	7588	6.7	8	1.3	1	1	1	1
6.7	100.4	MICRODIORITE (5)	7589	8	9	1	1	1	1	1
		Dark grey, very fine grained matrix, 5 to 8% dark green hornblende laths, 0.5mm to 2mm in length with trace to 4% fine grained pyrite, trace chalcopyrite and epidote, few to moderate calcite veinlets throughout. Microdiorite is crosscut by numerous orange coloured syenite dykes ranging from 2cm to 50cm wide.	7590	9	10	1	1	1	1	1
			7591	10	11	1	1	1	1	1
			7592	11	12	1	0	1	1	1
			7593	12	13	1	0	1	1	2
			7594	13	14	1	0	1	1	2
			7595	14	15	1	0	1	1	2
			7596	15	16	1	0	1	1	2
			7597	16	17	1	0	1	1	2
			7598	17	18	1	0	1	1	2
			7599	18	19	1	0	1	1	2
			7600	19	20	1	0	1	1	2
		20.8m-23.0m - broken and fractured rock	7601	20	21	1	0	1	1	2
			7602	21	22	1	0	2	1	2
			7603	22	23	1	0	2	1	1
		23.2m-24.5m - brecciated syenite, calcite cement between angular syenite fragments; disseminated pyrite interstitial to fragments	7604	23	24	1	0	2	1	2
			7605	24	25	1	0	2	1	2
			7606	25	26	1	0	2	1	3
		24.5m-29.0m - broken rock, chlorite rich zone lost core between 27.0m-29.0m	7607	26	27	1	0	2	2	2
			7608	27	28	1	0	2	1	1
			7609	28	29	1	0	1	1	1
			7610	29	30	1	0	1	1	1
			7611	30	31	1	0	2	2	1
			7612	31	32	1	0	2	2	1
			7613	32	33	1	0	1	2	1
			7614	33	34	1	0	1	2	2
			7615	34	35	1	0	1	2	1
			7616	35	36	1	0	1	2	1
		37.5m-38.1m - orange syenite dyke, contacts sharp at 45 deg. to core axis	7617	36	37	1	1	1	1	1
			7618	37	38	1	0	1	1	1
			7619	38	39	1	0	1	1	2
		33.2m-35.6m - broken and fractured rock with abundant chlorite, locally fault gouge	7620	39	40	1	0	1	1	2
			7621	40	41	1	0	1	1	2
		42.8m-43.9m - 10cm chloritic fault gouge	7622	41	42	1	0	1	3	1
			7623	42	43	1	0	1	1	1
			7624	43	44	1	0	1	1	2
		45.5m-46.8m - broken rock, chloritic fault gouge at 46.1m	7625	44	45	1	0	1	1	2
			7626	45	46	1	1	1	3	1
			7627	46	47	1	1	1	1	1
			7628	47	48	1	1	1	1	1
			7629	48	49	1	1	1	1	2
			7630	49	50	1	1	1	1	2
			7631	50	51	1	1	1	1	2
			7632	51	52	1	0	1	1	2

Bp=epidote Ca=calcite Py=pyrite Chl=chlorite 0=absent 5=intense

Orbex Industries Inc. 03/04/87

From	To	Description	Sample#	From	To	Length	Bp	Ca	Cbl	Py
			7633	52	53	1	0	1	1	2
			7634	53	54	1	0	1	1	2
			7635	54	55	1	0	1	1	1
			7636	55	56	1	0	1	1	1
			7637	56	57	1	0	1	1	1
			7638	57	58	1	0	1	1	2
			7639	58	59	1	0	1	1	2
		61.5m-63.1m - syenite dyke with numerous calcite veinlets	7640	59	60	1	0	1	1	2
			7641	60	61	1	0	1	1	1
			7642	61	62	1	0	1	1	2
			7643	62	63	1	0	1	1	2
		65.8m-67.0m - broken, chloritic rock, 4cm wide calcite vein at 66.6m	7644	63	64	1	1	1	2	1
			7645	64	65	1	0	1	2	1
		63.1m-71.0m - light grey hornblende dyke with 2 to 4% disseminated pyrite, rock is moderately to highly fractured	7646	65	66	1	0	1	1	2
			7647	66	67	1	0	1	1	2
			7648	67	68	1	1	1	1	1
		Microdiorite, very dark grey-green, fine grained matrix containing 5-8% 1mm long hornblende laths, 2-5% rounded white calcareous amygdules (calcite?).	7649	68	69	1	0	1	1	1
			7650	69	70	1	0	1	1	1
		Calcite veinlets range from 0.5mm to 2mm in width and are perpendicular and parallel to core axis. Trace disseminated pyrite throughout. Lower contact is faulted from 100.2m to 100.4m.	7651	70	71	1	0	1	1	1
			7652	71	72	1	1	1	1	1
			7653	72	73	1	1	1	1	1
			7654	73	74	1	0	1	1	1
			7655	74	75	1	0	1	1	1
			7656	75	76	1	0	1	1	1
			7657	76	77	1	0	1	1	1
			7658	77	78	1	0	1	1	1
			7659	78	79	1	0	1	1	1
			7660	79	80	1	0	1	1	1
			7661	80	81	1	0	1	1	1
			7662	81	82	1	0	1	1	1
			7663	82	83	1	0	1	1	1
			7664	83	84	1	0	1	1	1
			7665	84	85	1	0	1	1	1
			7666	85	86	1	0	1	1	1
			7667	86	87	1	0	1	1	1
			7668	87	88	1	0	1	1	1
			7669	88	89	1	0	1	1	1
			7670	89	90	1	0	1	1	1
			7671	90	91	1	0	1	1	1
			7672	91	92	1	0	1	1	1
			7673	92	93	1	0	1	1	1
			7674	93	94	1	0	1	1	1
			7675	94	95	1	0	2	1	1
			7676	95	96	1	0	2	1	1
			7677	96	97	1	0	2	1	1
			7678	97	98	1	0	2	1	1
			7679	98	99	1	0	1	2	1
100.4	121.0	SYENITE (5)	7680	99	100	1	0	1	1	2
		Orange-red to grey-brown, medium grained, non to weakly calcareous matrix. Numerous crosscutting calcite veinlets throughout. Course grained pyrite along	7681	100	101	1	0	1	1	2
			7682	101	102	1	0	1	1	2
			7683	102	103	1	1	1	1	2

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
		fractures and vein surfaces which are also locally propylitized	7684	103	104	1	1	1	1	2
			7685	104	105	1	1	1	1	1
			7686	105	106	1	1	1	1	1
			7687	106	107	1	1	1	1	1
			7688	107	108	1	1	1	1	1
			7689	108	109	1	2	1	1	2
			7690	109	110	1	1	1	1	2
			7691	110	111	1	1	1	1	2
		113.9m-116.4m - highly fractured rock with chlorite rich fault gouge, pyrite cubes in fault gouge up to 3X	7692	111	112	1	0	1	2	1
			7693	112	113	1	0	1	3	2
			7694	113	114	1	0	1	3	2
		117.5m-121.2m - broken and fractured rock, local chloritic fault gouge	7695	114	115	1	0	1	3	1
			7696	115	116	1	0	1	1	2
		117.9m-118.2m and 119.5m-119.8m - calcite cemented basalt breccia	7697	116	117	1	0	1	1	2
			7698	117	118	1	0	2	1	2
121.0	199.64	MICRODIORITE (5)	7699	118	119	1	0	2	2	2
		Rock contains 5-8% hornblende laths ranging from 0.5mm to 2mm in length set in a dark grey-green fine grained, weakly calcareous matrix.	7700	119	120	1	1	1	2	2
			7701	120	121	1	0	1	1	2
			7702	121	122	1	0	1	1	2
		Diffuse, subangular light grey fragments ranging from 0.5cm to 3cm in size make up 15% of the rock. Local crosscutting syenite dykes are seen. Generally the unit is moderately to highly fractured, weakly calcareous with numerous calcite veinlets throughout.	7703	122	123	1	1	2	2	2
			7704	123	124	1	1	2	2	2
		Course grained pyrite up to 3% along fractures and within calcite veinlets.	7705	124	125	1	1	2	1	2
			7706	125	126	1	1	1	1	2
			7707	126	127	1	1	1	1	2
			7708	127	128	1	1	1	1	3
			7709	128	129	1	1	1	1	2
		124.0m-127.1m - highly fractured rock, local chloritic fault gouge at 124.4m and 125.6m, disseminated pyrite to 3% in chlorite fault gouge. Fracturing 5-10 deg. to core axis.	7710	129	130	1	1	1	1	2
			7711	130	131	1	1	1	1	2
			7712	131	132	1	1	1	1	2
			7713	132	133	1	1	1	1	2
		127.2m-129.2m - weakly propylitized felsic breccia with 3-5% coarse grained pyrite	7714	133	134	1	1	1	1	2
			7715	134	135	1	1	1	1	2
		Unit grades from coarse grained hornblende rich grey-green matrix to fine grained orange-pink massive syenite with no distinct contacts.	7716	135	136	1	1	1	1	2
			7717	136	137	1	1	1	1	2
			7718	137	138	1	1	1	1	2
		Microdiorite: contains large angular fragments of mafic rich material with 40% hornblende and up to 30% biotite	7719	138	139	1	1	1	1	2
			7720	139	140	1	1	1	1	2
			7721	140	141	1	1	1	1	2
			7722	141	142	1	1	1	1	2
			7723	142	143	1	1	1	1	2
			7724	143	144	1	1	1	1	2
			7725	144	145	1	1	1	1	2
			7726	145	146	1	1	1	1	2
			7727	146	147	1	1	1	1	1
			7728	147	148	1	0	1	1	1
			7729	148	149	1	1	1	1	1
			7730	149	150	1	1	1	1	1
			7731	150	151	1	1	1	1	2
			7732	151	152	1	1	1	1	2
			7733	152	153	1	1	1	1	2
			7734	153	154	1	1	1	1	2

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
			7735	154	155	1	1	1	1	2
			7736	155	156	1	1	1	1	2
			7737	156	157	1	1	1	1	2
			7738	157	158	1	1	1	1	2
			7739	158	159	1	0	1	1	2
			7740	159	160	1	0	1	1	2
			7741	160	161	1	0	1	1	2
			7742	161	162	1	0	1	1	2
			7743	162	163	1	1	1	1	2
			7744	163	164	1	1	1	1	2
			7745	164	165	1	1	1	1	2
			7746	165	166	1	1	1	1	2
			7747	166	167	1	1	1	1	1
			7748	167	168	1	1	1	1	1
			7749	168	169	1	0	1	1	1
		173.5m-174.0m - 5 to 8 % course grained pyrite	7750	169	170	1	0	1	1	1
			7751	170	171	1	0	1	1	2
			7752	171	172	1	0	1	1	2
			7753	172	173	1	0	1	1	3
			7754	173	174	1	0	1	1	2
			7755	174	175	1	0	1	1	1
			7756	175	176	1	0	1	1	1
			7757	176	177	1	0	1	1	1
			7758	177	178	1	0	1	1	1
			7759	178	179	1	0	1	1	1
			7760	179	180	1	1	1	1	1
			7761	180	181	1	1	1	1	1
			7762	181	182	1	1	1	1	2
			7763	182	183	1	1	1	1	2
			7764	183	184	1	0	1	1	2
			7765	184	185	1	0	1	1	2
			7766	185	186	1	0	1	1	2
			7767	186	187	1	0	1	1	2
			7768	187	188	1	0	1	1	2
			7769	188	189	1	0	1	1	2
		191.2m- 1% chalcopyrite	7770	189	190	1	0	1	1	2
		191.4m - 15cm of calcite flooded microdiorite	7771	190	191	1	0	3	1	2
			7772	191	192	1	0	1	1	2
			7773	192	193	1	0	1	1	2
			7774	193	194	1	0	1	1	2
			7775	194	195	1	0	1	1	2
			7776	195	196	1	0	1	1	2
			7777	196	197	1	0	1	1	2
		199.64m End of Hole.	7778	197	199.6	2.6	0	1	1	2

Location: 113+00E, 59+50N
 Azimuth: 090 Deg.
 Dip: -45 Deg.
 Started: November 6, 1986
 Completed: November 9, 1986
 Purpose: Test coincident gold soil anomaly and IP anomaly

ORBEX INDUSTRIES INC.
 DIAMOND DRILL RECORD

Length (m): 139.6
 Core size: NQWL
 Dip Tests: 0m (-45 deg.); 113.7m (42.5 deg);
 139.6m (42.5 deg)

Elevation: 948m
 Date logged: November 14, 1986

Hole No: 208-6
 Page 1
 Property: Gibbons Creek
 Section: 59+50N
 Claim No: Lem (7811)
 Logged by: R Konst

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
0	9.1	OVERBURDEN	7780	10	11	1	1	2	1	0
9.1	42.0	MICRODIORITE (5)	7781	11	12	1	0	2	2	0
		Microdiorite is moderately to intensely chloritized with trace to 2X fine grained disseminated pyrite and minor calcite stringers throughout.	7782	12	13	1	0	2	2	0
			7783	13	14	1	0	2	3	1
			7784	14	15	1	0	2	3	1
			7785	15	16	1	1	2	3	2
		12.3m-12.5m - fine grained syenite dyke	7786	16	17	1	0	2	4	1
		16.8m-17.0m - chlorite gouge	7787	17	18	1	0	2	3	1
			7788	18	19	1	0	1	3	1
			7789	19	20	1	0	1	3	1
		0m-27.0m - rock is intensely fractured	7790	20	21	1	0	1	3	1
			7791	21	22	1	0	1	3	1
			7792	22	23	1	0	1	3	1
			7793	23	24	1	0	1	3	1
		24.5m-30.0m - mottled greenish-grey with intense chloritization and minor quartz flooding	7794	24	25	1	0	2	3	2
			7795	25	26	1	0	2	4	1
		27.8m-28.3m - chlorite gouge	7796	26	27	1	0	2	4	1
		27.0m-35.0m - moderately fractured with the majority of fractures at 30-40 deg. to core axis	7797	27	28	1	0	2	5	0
			7798	28	29	1	0	2	5	0
			7799	29	30	1	0	2	4	0
			7800	30	31	1	0	2	3	0
			7801	31	32	1	0	2	3	0
			7802	32	33	1	0	2	3	0
			7803	33	34	1	1	2	2	0
			7804	34	35	1	0	2	2	1
		35.0m-60.0m - intensely fractured and sheared rock	7805	35	36	1	0	2	2	0
			7806	36	37	1	0	2	2	0
			7807	37	38	1	0	3	3	0
			7808	38	39	1	0	3	3	0
			7809	39	40	1	0	3	2	2
			7810	40	41	1	0	3	2	0
			7811	41	42	1	1	3	1	0
42.0	47.5	SYENITE DYKE (4a)	7812	42	43	1	1	2	1	0
		Dyke is fine grained with traces of pyrite and intense calcite filled stockwork.	7813	43	44	1	1	2	1	0
			7814	44	45	1	2	3	1	0
			7815	45	46	1	1	3	1	1
47.5	87.0	MICRODIORITE (5)	7816	46	47	1	1	3	1	1
		Very fine to medium grained matrix with hornblende phenocrysts. Contains trace to 4% disseminated pyrite and as fracture fillings. Calcite occurs as fracture fillings throughout unit.	7817	47	48	1	0	2	2	1
			7818	48	49	1	0	2	3	1
			7819	49	50	1	0	2	3	1
			7820	50	51	1	0	3	3	2
			7821	51	52	1	0	2	3	1
			7822	52	53	1	0	2	3	1
			7823	53	54	1	0	1	3	1
			7824	54	55	1	0	2	4	1

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
			7825	55	56	1	0	1	4	1
			7826	56	57	1	0	1	4	2
			7827	57	58	1	0	1	4	0
			7828	58	59	1	0	1	4	1
			7829	59	60	1	1	2	4	1
		60.0m-62.5m - moderately fractured with the majority of fractures at 50-60 deg. to core axis	7830	60	61	1	1	1	4	1
			7831	61	62	1	1	1	4	1
			7832	62	63	1	1	1	4	1
			7833	63	64	1	1	1	4	1
		62.5m-95.7m - intensely fractured and broken rock	7834	64	65	1	1	1	4	1
			7835	65	66	1	1	1	4	2
			7836	66	67	1	0	1	4	1
			7837	67	68	1	0	1	4	1
			7838	68	69	1	0	1	4	1
			7839	69	70	1	0	1	4	1
			7840	70	71	1	0	2	4	1
			7841	71	72	1	0	2	4	1
			7842	72	73	1	0	1	4	1
			7843	73	74	1	0	1	4	1
			7844	74	75	1	0	1	4	1
			7845	75	76	1	0	2	4	1
		76.3-77.5m - microdiorite	7846	76	77	1	0	2	2	1
			7847	77	78	1	0	1	2	1
			7848	78	79	1	0	1	4	1
			7849	79	80	1	0	1	4	1
			7850	80	81	1	0	1	4	1
			7851	81	82	1	0	1	4	1
			7852	82	83	1	0	1	4	1
			7853	83	84	1	0	1	4	1
			7854	84	85	1	0	1	3	0
			7855	85	86	1	0	1	3	0
87.0	90.7	ALKALI GABBRO (4a)	7856	86	87	1	0	1	2	0
		Gabbro is fine grained with 5% calcite stringers throughout. Rock contains 20% k-spar and 60% mafics with no visible quartz.	7857	87	88	1	0	3	2	0
			7858	88	89	1	0	3	2	0
			7859	89	90	1	0	1	2	0
90.7	102.7	FELSIC BRECCIA (3a)	7860	90	91	1	0	1	4	0
		Felsic breccia is intensely chloritized throughout with 1-5% calcite stringers and trace of fine grained blebs of pyrite.	7861	91	92	1	0	1	4	0
			7862	92	93	1	0	1	4	1
			7863	93	94	1	0	2	4	0
			7864	94	95	1	0	1	4	0
		95.7m-99.0m - moderately fractured rock	7865	95	96	1	0	1	4	0
		96.7m-98.6m - amygdaloidal basalt: massive with amygdyle infilled with calcite. Conformable upper contact with felsic breccia at 30 deg. to core axis. Lower contact is sheared at 50 deg. to core axis.	7866	96	97	1	1	2	4	0
			7867	97	98	1	0	2	3	0
			7868	98	99	1	2	1	2	0
			7869	99	100	1	0	2	4	0
			7870	100	101	1	0	2	4	0
			7871	101	102	1	0	2	4	1
		99.0m-102.7m - broken rock	7872	102	103	1	0	1	4	1
102.7	136.0	ALKALI GABBRO (4a)	7873	103	104	1	0	2	4	0
		Rock is fine grained with 1-10% calcite stringers and trace amounts of disseminated pyrite.	7874	104	105	1	0	3	4	0
			7875	105	106	1	0	2	4	0

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
	102.7m-106.5m	- moderately fractured rock	7876	106	107	1	0	2	4	0
	106.5m-109.2m	- broken rock	7877	107	108	1	0	2	4	0
			7878	108	109	1	0	3	5	0
	110.7m-115.5m	- chlorite-calcite gouge , mottled white\ green colour	7879	109	110	1	0	3	5	0
			7880	110	111	1	0	3	5	0
	109.2m-121.1m	- moderately fractured	7881	111	112	1	0	4	5	0
			7882	112	113	1	0	5	5	0
			7883	113	114	1	0	5	5	0
			7884	114	115	1	0	5	5	0
			7885	115	116	1	0	5	5	0
			7886	116	117	1	0	5	4	0
			7887	117	118	1	0	5	4	0
			7888	118	119	1	0	4	4	1
			7889	119	120	1	1	4	4	1
			7890	120	121	1	1	4	4	1
	121.1m-128.0m	- broken rock	7891	121	122	1	1	2	3	1
			7892	122	123	1	1	2	3	1
			7893	123	124	1	1	2	3	1
			7894	124	125	1	1	1	3	1
			7895	125	126	1	1	1	3	1
			7896	126	127	1	1	1	3	1
			7897	127	128	1	1	1	3	1
	128.0m-129.7m	- moderately fractured rock	7898	128	129	1	1	2	3	1
			7899	129	130	1	1	2	3	1
	129.7m-132.9m	- broken rock	7900	130	131	1	1	2	3	1
			7901	131	132	1	1	5	3	1
	132.9m-139.6m	- moderately fractured rock	7902	132	133	1	1	4	3	1
			7903	133	134	1	0	2	3	1
			7904	134	135	1	0	1	4	0
136.0	139.6	CHLORITE/CALCITE GOUGE	7905	135	136	1	0	2	5	0
		Intensely sheared and altered gabbroic rock.	7906	136	137	1	0	3	5	0
			7907	137	138	1	0	5	5	0
	139.6m	End of Hole.	7908	138	139.6	1.6	0	5	5	0

Location: 112+80E, 57+50N

Azimuth: 090 Deg.

Dip: -45 Deg.

Started: November 9, 1986

Completed: November 10, 1986

Purpose: To test coincident gold soil and IP anomaly

ORBEX INDUSTRIES INC.

DIAMOND DRILL RECORD

Length (m): 148.13

Core size: NQWL

Dip Tests: 0m (-45 deg.); 112.8m (-36 deg.);

148.1m (33 deg.)

Elevation: 948m

Date logged: November 17, 1986

Hole No: 206-7

Page 1

Property: Gibbons Creek

Section: 57+50N

Claim No: Lem 3 (7811)

Logged by: R Konst

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
0	9.3	OVERBUEDEN	7909	9.3	10	0.7	1	1	3	1
9.3	148.13	MICRODIORITE (5)	7910	10	11	1	1	1	3	1
		Microdiorite is very fine grained with trace to 4% pyrite	7911	11	12	1	1	1	3	1
		as fine grained disseminated blebs. Rock also has trace	7912	12	13	1	2	2	3	1
		epidote to 2% and 1% calcite stringers.	7913	13	14	1	1	1	2	1
		14.6m-21.0m - syenite dyke, medium grained with trace	7914	14	15	1	1	1	2	1
		amounts of pyrite as fine grained disseminations. Also	7915	15	16	1	1	1	2	1
		1% calcite stringers throughout.	7916	16	17	1	0	1	2	1
			7917	17	18	1	1	1	2	1
			7918	18	19	1	0	1	2	1
			7919	19	20	1	0	1	2	1
		31.0m - moderately fractured rock with the majority of	7920	20	21	1	0	1	2	1
		fractures at 30 deg. and 80 deg. to core axis	7921	21	22	1	2	1	2	2
		limonitic coated fractures to 18.0m	7922	22	23	1	2	1	3	2
			7923	23	24	1	1	1	3	2
			7924	24	25	1	2	1	3	2
			7925	25	26	1	1	1	3	2
			7926	26	27	1	1	1	3	1
			7927	27	28	1	1	2	3	1
			7928	28	29	1	1	2	3	2
			7929	29	30	1	1	1	3	2
			7930	30	31	1	2	1	2	2
		31.0m-33.0m - broken rock	7931	31	32	1	1	1	2	1
			7932	32	33	1	0	1	2	1
		33.0m-38.0m - moderately fractured rock	7933	33	34	1	0	1	2	1
			7934	34	35	1	0	1	1	1
			7935	35	36	1	0	1	1	1
			7936	36	37	1	0	1	1	1
			7937	37	38	1	1	1	1	1
		38.0m-41.0m - intensely fractured rock	7938	38	39	1	0	1	1	1
			7939	39	40	1	0	1	1	1
			7940	40	41	1	0	1	1	1
			7941	41	42	1	0	1	1	0
			7942	42	43	1	1	1	1	0
			7943	43	44	1	0	1	1	0
		44.0m-50.0m - intensely fractured rock	7944	44	45	1	0	1	1	0
			7945	45	46	1	0	2	1	0
		46.9m-49.0m - diorite with 2% calcite filled amygdules	7946	46	47	1	0	2	2	0
		margins are chilled	7947	47	48	1	0	2	3	0
			7948	48	49	1	0	3	3	0
		49.0m - chloritized microdiorite (5 to 20% chlorite)	7949	49	50	1	0	3	4	1
		50.0m-56.5m - rock is moderately fractured at 60 deg. to	7950	50	51	1	0	3	4	1
		core axis	7951	51	52	1	0	1	3	1
			7952	52	53	1	0	2	3	1
			7953	53	54	1	0	2	3	1

Ep=epidote Ca=calcite Py=pyrite Chl=chlorite 0=absent 5=intense

Orbex Industries Inc. 03/04/87

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
			7954	54	55	1	0	2	3	1
			7955	55	56	1	0	2	3	1
		56.5m-58.4m - intensely fractured rock	7956	56	57	1	0	1	3	1
			7957	57	58	1	0	1	3	1
		58.4m-63.5m - moderately fractured rock	7958	58	59	1	0	1	3	1
			7959	59	60	1	0	1	3	1
			7960	60	61	1	0	1	3	1
			7961	61	62	1	0	1	3	1
		63.5m-68.3m - intensely fractured rock	7962	62	63	1	0	2	3	1
			7963	63	64	1	0	1	3	1
			7964	64	65	1	0	2	3	1
			7965	65	66	1	0	3	3	1
			7966	66	67	1	0	2	3	1
		68.3m-70.0m - moderately fractured rock	7967	67	68	1	0	2	3	1
			7968	68	69	1	0	2	3	1
			7969	69	70	1	1	2	3	1
			7970	70	71	1	0	2	3	1
		72.2m-123.2m - moderately fractured rock	7971	71	72	1	0	2	2	1
			7972	72	73	1	0	2	2	1
			7973	73	74	1	2	2	2	1
			7974	74	75	1	2	2	2	1
			7975	75	76	1	2	2	2	1
			7976	76	77	1	2	2	2	1
			7977	77	78	1	2	2	2	1
			7978	78	79	1	1	2	2	1
			7979	79	80	1	1	2	2	1
			7980	80	81	1	1	2	2	1
			7981	81	82	1	1	2	2	1
			7982	82	83	1	1	2	2	1
			7983	83	84	1	1	2	2	1
			7984	84	85	1	1	1	2	2
			7985	85	86	1	1	2	2	2
			7986	86	87	1	1	2	2	2
			7987	87	88	1	1	1	2	1
		88.0m-97.0m - fragments of diorite(5 to 20cm) in microdiorite	7988	88	89	1	1	2	2	1
			7989	89	90	1	1	2	2	1
			7990	90	91	1	0	2	2	1
			7991	91	92	1	0	2	2	1
			7992	92	93	1	0	2	2	1
			7993	93	94	1	0	1	3	2
			7994	94	95	1	0	2	3	2
			7995	95	96	1	1	2	3	2
			7996	96	97	1	1	2	3	2
			7997	97	98	1	1	2	2	2
			7998	98	99	1	1	1	2	2
			7999	99	100	1	1	1	2	2
			8000	100	101	1	1	2	2	2
			8001	101	102	1	1	2	2	2
			8002	102	103	1	1	2	2	1
			8003	103	104	1	1	2	2	0
			8004	104	105	1	2	2	2	0

From	To	Description	Sample#	From	To	Length	Ep	Ca	Chl	Py
			8005	105	106	1	1	2	2	0
			8006	106	107	1	1	1	2	0
			8007	107	108	1	1	1	2	0
			8008	108	109	1	2	1	2	0
			8009	109	110	1	0	1	2	0
110.3m	111.1m	- syenite dyke: medium grained	8010	110	111	1	0	1	2	0
			8011	111	112	1	1	2	2	1
			8012	112	113	1	1	2	2	1
			8013	113	114	1	1	1	2	1
			8014	114	115	1	1	1	2	1
			8015	115	116	1	1	1	2	1
116.5m	119.2m	- syenite dyke: fine grained with trace amounts of fine grained disseminated blebs of pyrite	8016	116	117	1	1	1	3	1
			8017	117	118	1	1	1	3	1
			8018	118	119	1	1	1	2	1
			8019	119	120	1	1	1	2	1
			8020	120	121	1	1	1	2	1
			8021	121	122	1	1	1	2	1
122.0m	123.0m	- syenite dyke: medium grained	8022	122	123	1	0	1	0	1
123.2m	124.5m	- broken rock	8023	123	124	1	0	2	2	0
124.5m	148.13m	- minor amount of fractured rock	8024	124	125	1	0	1	2	1
			8025	125	126	1	1	1	2	1
			8026	126	127	1	1	1	2	1
			8027	127	128	1	1	1	2	1
			8028	128	129	1	1	1	2	1
			8029	129	130	1	1	1	2	1
			8030	130	131	1	1	1	2	1
			8031	131	132	1	0	1	2	1
			8032	132	133	1	0	1	2	1
			8033	133	134	1	0	1	2	1
			8034	134	135	1	0	1	2	0
			8035	135	136	1	1	1	2	1
			8036	136	137	1	1	1	2	1
137.7m	145.0m	- syenite dyke: fine grained with trace to 3% pyrite as fine grained disseminated blebs	8037	137	138	1	0	1	2	1
			8038	138	139	1	1	1	2	1
			8039	139	140	1	1	1	2	1
			8040	140	141	1	1	1	2	1
			8041	141	142	1	0	1	1	1
			8042	142	143	1	0	1	1	2
			8043	143	144	1	0	1	1	2
			8044	144	145	1	0	1	1	2
			8045	145	146	1	1	1	2	0
			8046	146	147	1	1	1	2	0
148.13	End of Hole.		8047	147	148.13	1.13	1	1	2	0

A P P E N D I X I I I

CORE ASSAYS

ORBEY INDUSTRIES INC.

GIBBONS CRSEK PROPERTY
LEN 1 to 5 CLAIMS

THREE METRE COMPOSITE DRILL CORE ANALYSES

SAMPLE NO.'S	FROM(m)	TO(m)	LRNGTH(m)	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	Au	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
				PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM	
7285 / 7286 / 7287	5.79	9	3.21	1	196	30	102	0.4	18	25	840	4.83	5	5	2	95	1	2	2	192	6.58	0.166	9	44	2.46	26	0.3	11	2.58	3.13	0.15	1	37
7288 / 7289 / 7290	9	12	3	1	177	47	131	0.6	18	26	897	5.77	6	5	3	116	1	2	2	185	4.89	0.173	10	37	2.34	30	0.29	11	2.61	3.12	0.15	1	28
7291 / 7292 / 7293	12	15	3	2	148	28	69	0.3	16	23	689	5.45	6	5	2	129	1	2	4	177	3.04	0.164	9	35	2.97	158	0.29	13	2.26	3.14	0.71	1	21
7294 / 7295 / 7296	15	18	3	1	127	7	37	0.2	15	20	561	5.26	5	5	3	138	1	2	2	173	4.61	0.161	11	34	2.07	106	0.27	9	2.46	3.14	0.28	2	7
7297 / 7298 / 7299	18	21	3	1	113	12	55	0.3	17	19	533	4.97	3	8	3	166	1	2	4	168	4.18	0.168	10	31	1.85	197	0.25	7	2.27	3.17	0.48	1	9
7300 / 7301 / 7302	21	24	3	1	96	2	48	0.1	17	19	574	4.92	2	5	2	148	1	2	2	154	3.91	0.167	8	34	2.04	121	0.24	6	2.21	3.14	0.36	1	5
7303 / 7304 / 7305	24	27	3	1	95	3	33	0.2	15	19	473	4.99	3	5	3	133	1	2	2	163	4.47	0.162	9	35	1.95	168	0.25	11	2.39	3.17	0.37	1	7
7306 / 7307 / 7308	27	30	3	1	114	6	27	0.4	16	21	398	4.87	5	5	3	140	1	2	2	155	4.48	0.168	9	31	1.9	116	0.24	18	2.32	3.12	0.31	1	18
7309 / 7310 / 7311	30	33	3	1	104	9	38	0.1	17	18	502	4.72	4	5	2	126	1	2	2	158	3.34	0.164	11	32	1.95	171	0.24	5	2.02	3.13	3.53	1	13
7312 / 7313 / 7314	33	36	3	1	98	71	330	0.3	17	23	1069	4.83	7	5	2	142	1	2	2	162	4.34	0.155	10	36	2.08	187	0.25	7	2.29	3.16	0.45	1	3
7315 / 7316 / 7317	36	39	3	1	120	48	286	0.4	16	21	1366	5.16	6	6	3	122	1	2	2	169	2.42	0.176	8	32	2.31	212	0.26	5	1.94	3.14	0.48	1	7
7318 / 7319 / 7320	39	42	3	1	97	50	191	0.2	15	20	1144	5.16	8	5	2	124	1	2	2	162	3.14	0.167	11	34	2.14	173	0.26	14	2.06	3.14	0.4	1	1
7321 / 7322 / 7323	42	45	3	1	96	47	163	0.3	16	26	940	5.1	11	5	3	118	1	2	4	165	4.49	0.159	10	34	1.94	119	0.26	66	2.25	3.15	0.28	1	3
7324 / 7325 / 7326	45	48	3	1	190	27	149	0.3	16	23	990	5.17	9	5	2	92	1	2	2	181	3.32	0.169	11	31	1.93	125	0.26	20	2.25	3.11	0.35	1	12
7327 / 7328 / 7329	48	51	3	1	98	42	183	1	18	23	1329	5.54	11	5	2	87	1	2	2	184	3.11	0.168	6	28	1.95	142	0.23	9	2.07	3.1	0.37	1	4
7330 / 7331 / 7332	51	54	3	1	140	28	178	0.3	16	23	1303	5.29	12	5	2	77	1	2	2	180	4.12	0.163	2	29	2.06	107	0.22	60	2.33	3.11	0.3	1	7
7333 / 7334 / 7335	54	57	3	1	119	48	277	0.1	16	23	1472	5.28	11	5	1	74	1	2	2	183	2.91	0.167	5	27	2.13	180	0.23	17	2.14	3.15	0.45	1	5
7336 / 7337 / 7338	57	60	3	1	136	68	243	0.3	17	22	1511	5.25	13	5	2	81	1	2	2	179	3.14	0.168	3	29	2.11	124	0.23	15	2.08	3.12	0.28	1	1
7339 / 7340 / 7341	60	63	3	1	69	35	238	0.1	15	25	1576	5.28	7	5	1	74	1	2	2	180	3.28	0.164	5	27	2.42	120	0.24	76	2.21	3.1	0.3	1	5
7342 / 7343 / 7344	63	66	3	1	90	43	200	0.1	16	23	1471	5.52	8	5	2	85	1	2	2	173	4.03	0.165	6	29	2.33	95	0.24	71	2.1	3.1	0.23	1	2
7345 / 7346 / 7347	66	69	3	1	151	46	206	0.2	16	23	1309	5.06	10	5	1	90	1	2	2	175	4.13	0.165	5	26	1.91	107	0.22	10	2.06	3.12	0.28	1	4
7348 / 7349 / 7350	69	72	3	1	273	50	219	0.1	16	31	1517	5.13	5	5	1	87	1	2	2	164	3.44	0.162	3	25	2.26	78	0.22	5	1.91	3.07	0.25	1	11
7351 / 7352 / 7353	72	75	3	1	173	145	364	0.4	15	26	1856	5.47	6	5	1	81	1	2	2	175	3.43	0.162	4	27	2.45	93	0.23	2	2.15	3.11	0.25	1	7
7354 / 7355 / 7356	75	78	3	1	114	60	248	0.2	14	25	1649	5.3	14	5	1	95	1	2	2	177	3.55	0.163	3	26	2.10	160	0.23	692	2.18	3.12	0.37	1	3
7357 / 7358 / 7359	78	81	3	1	114	52	218	0.3	17	22	1316	5.19	10	5	2	125	1	2	2	183	4.21	0.165	4	28	2.11	68	0.26	287	2.33	3.13	0.15	1	1
7360 / 7361 / 7362	81	84	3	1	73	41	213	0.1	13	20	1537	4.88	12	5	1	106	1	2	2	165	2.63	0.166	3	25	1.91	135	0.23	126	1.97	3.13	0.34	1	1
7363 / 7364 / 7365	84	87	3	1	93	46	347	0.1	14	24	1797	5.16	8	5	1	105	1	2	2	174	3.79	0.1	4	27	2.32	119	0.23	218	2.02	3.11	0.3	1	5
7366 / 7367 / 7368	87	90	3	1	93	47	351	0.1	17	23	1595	5.5	6	5	1	100	1	2	2	179	3.79	0.164	2	28	2.49	105	0.24	64	2.39	3.12	0.23	1	10
7369 / 7370 / 7371	90	93	3	1	138	38	354	0.1	16	23	1734	5.27	13	5	1	89	1	2	2	173	3.25	0.168	3	27	2.11	123	0.24	295	2.01	3.14	0.34	1	5
7372 / 7373 / 7374	93	96	3	1	121	30	114	0.3	15	22	1210	5.16	14	5	1	112	1	2	2	179	2.35	0.167	4	25	1.91	223	0.24	475	2	3.17	0.62	1	2
7375 / 7376 / 7377	96	99	3	1	95	32	187	0.1	15	23	1309	5.08	5	5	1	133	1	2	2	173	2.15	0.163	2	24	1.9	186	0.22	36	1.88	3.15	0.59	1	1
7378 / 7379 / 7380	99	102	3	1	98	29	224	0.2	17	22	1725	5.39	8	5	1	97	1	2	2	173	2.44	0.163	4	26	2.17	121	0.23	35	2.01	3.1	0.39	1	1
7381 / 7382 / 7383	102	105	3	1	151	15	208	0.2	16	24	1698	5.35	13	5	1	99	1	2	2	169	2.69	0.163	4	27	2.31	163	0.24	689	1.97	3.11	0.44	1	1
7384 / 7385 / 7386	105	108	3	1	113	21	219	0.1	16	21	1641	4.92	15	5	1	98	1	2	2	169	5.33	0.099	2	25	1.92	172	0.22	20	1.89	3.11	0.42	1	1
7387 / 7388 / 7389	108	111	3	1	219	13	182	0.1	12	26	1757	5.24	12	5	1	61	1	2	2	179	3.99	0.163	5	26	2.13	109	0.24	110	1.81	3.09	0.29	1	1
7390 / 7391 / 7392	111	114	3	1	97	10	188	0.1	14	20	1784	5.14	24	5	2	68	1	2	2	170	6.29	0.097	4	27	2.09	84	0.23	3928	1.86	3.09	0.22	1	1
7393 / 7394 / 7395	114	117	3	2	141	12	159	0.1	15	21	1514	5.4	11	5	1	59	1	2	3	176	2.67	0.167	4	27	1.93	118	0.23	702	1.73	3.09	0.36	1	1
7396 / 7397 / 7398	117	120	3	1	74	13	159	0.1	16	20	1611	5.87	7	5	1	65	1	2	2	179	2.41	0.166	6	30	2.39	101	0.24	290	1.91	3.08	0.28	1	1
7399 / 7400 / 7401	120	123	3	2	168	36	302	0.1	15	25	1524	5.52	9	5	1	75	1	2	2	191	2.83	0.137	4	30	2.35	60	0.26	115	2.13	3.08	0.22	1	12
7402 / 7403 / 7404	123	126	3	1	149	41	118	0.1	13	21	1023	5.64	11	5	1	75	1	2	2	204	2.84	0.128	3	29	2.09	82	0.25	35	2.38	3.1	0.36	1	4
7405 / 7406 / 7407	126	129	3	2	136	45	239	0.1	6	20	1030	5.87	6	5	1	114	1	2	2	170	3.25	0.143	4	15	1.83	33	0.25	23	2.19	3.14	0.15	1	11
7408 / 7409 / 7410	129	132	3	2	150	29	284	0.1	13	23	1595	5.81	7	5	1	87	1	2	4	211	2.45	0.121	4	28	2.32	72	0.26	93	2.11	3.09	0.29	1	2
7411 / 7412 / 7413	132	135	3	1	158	44	130	0.4	11	28	984	5.97	8	5	2	76	1	2	3	206	2.16	0.127	5	17	2.03	86	0.26	80	2.08	3.11	0.49	1	10
7414 / 7415 / 7416																																	

ORBIT INDUSTRIES INC.

GIBBONS CREEK PROPERTY

THREE METRE COMPOSITE DRILL CORE ANALYSES

LBM 1 to 5 CLAIMS

SAMPLE NO.'S	FROM(m)	TO(m)	LENGTH(m)	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
				PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM
7438 / 7437 / 7433	3.05	5	2.95	2	179	8	49	0.1	14	22	684	5.65	2	5	1	148	1	2	2	204	2.41	0.121	10	30	1.47	75	0.31	5	1.86	0.12	0.3	1	10
7439 / 7440 / 7441	6	9	3	23	324	7	69	0.3	12	25	763	5.59	5	5	2	61	1	2	2	211	3.36	0.217	11	21	1.95	78	0.34	4	2.12	0.37	0.32	1	18
7442 / 7443 / 7444	9	12	3	2	254	6	72	0.1	14	24	1024	6.19	5	5	2	59	1	2	2	211	5.39	0.169	9	30	2.3	50	0.29	3	2.22	0.34	0.21	1	8
7445 / 7446 / 7447	12	15	3	7	602	3	79	0.1	10	19	1099	6.11	9	5	3	53	1	2	2	219	6.76	0.211	12	24	2.04	58	0.3	6	2.01	0.34	0.22	1	22
7448 / 7449 / 7450	15	18	3	1	223	5	48	0.1	6	21	757	5.79	4	5	2	59	1	2	2	205	5.93	0.216	13	8	1.88	93	0.25	2	2.03	0.35	0.29	1	13
7451 / 7452 / 7453	18	21	3	1	248	4	56	0.1	9	24	836	6.15	6	5	3	72	1	2	2	207	5.54	0.21	10	15	1.36	94	0.27	5	2.41	0.35	0.3	1	10
7454 / 7455 / 7456	21	24	3	1	192	3	45	0.1	7	20	635	5.82	4	5	3	85	1	2	2	236	4.43	0.132	11	16	1.75	152	0.29	10	2.4	0.07	0.45	1	11
7457 / 7458 / 7459	24	27	3	5	361	10	56	0.1	5	24	755	5.77	3	5	1	58	1	2	3	189	4.82	0.213	14	3	1.82	57	0.2	5	2.13	0.35	0.22	1	20
7460 / 7461 / 7462	27	30	3	3	890	5	52	0.2	14	21	636	6.2	4	5	1	49	1	2	3	200	5.45	0.124	10	34	1.75	56	0.23	2	1.7	0.35	0.35	1	66
7463 / 7464 / 7465	30	33	3	3	669	6	54	0.3	15	22	629	6.13	3	5	3	51	1	3	2	188	4.55	0.136	9	26	1.79	50	0.19	2	1.88	0.34	0.22	1	54
7466 / 7467 / 7468	33	36	3	5	410	9	51	0.1	11	29	684	6.04	3	5	3	85	1	2	2	194	4.54	0.165	11	24	1.52	85	0.22	6	2.09	0.35	0.29	1	36
7469 / 7470 / 7471	36	39	3	3	469	11	64	0.1	13	35	710	5.79	6	5	3	76	1	2	3	187	4.7	0.16	9	22	1.56	44	0.24	6	1.36	0.34	0.17	1	25
7472 / 7473 / 7474	39	42	3	1	336	27	129	0.2	15	34	647	5.59	5	10	1	104	1	2	2	191	3.46	0.123	7	39	1.49	39	0.27	7	1.79	0.35	0.16	1	8
7475 / 7476 / 7477	42	45	3	1	137	3	104	0.1	6	18	703	4.72	2	5	2	112	1	2	2	168	4.24	0.13	10	13	1.23	37	0.22	5	1.86	0.35	0.14	1	3
7478 / 7479 / 7480	45	48	3	1	405	12	66	0.1	12	28	705	5.74	4	5	2	58	1	2	2	196	3.37	0.126	6	22	1.5	40	0.22	5	1.78	0.35	0.17	1	22
7481 / 7482 / 7483	48	51	3	10	1124	13	71	0.2	9	23	742	4.8	3	5	3	58	1	2	2	160	5.57	0.111	6	19	1.48	32	0.2	4	1.77	0.34	0.15	1	168
7484 / 7485 / 7486	51	54	3	3	1145	2	116	0.4	12	19	916	5.28	5	5	3	102	1	2	2	182	5.86	0.142	10	28	1.61	26	0.22	2	2.13	0.34	0.11	1	87
7487 / 7488 / 7489	54	57	3	1	117	7	73	0.1	4	14	644	4.08	4	5	2	75	1	2	2	143	3.11	0.113	9	9	0.91	40	0.18	7	1.42	0.36	0.16	1	4
7490 / 7491 / 7492	57	60	3	1	169	8	101	0.1	8	19	923	4.8	3	5	2	75	1	2	2	164	4.72	0.126	8	19	1.55	28	0.24	7	2.03	0.35	0.1	1	10
7493 / 7494 / 7495	60	63	3	2	305	9	74	0.1	20	25	762	4.62	4	5	2	57	1	2	2	181	2.64	0.142	9	48	2.02	85	0.35	3	2.05	0.37	0.34	1	33
7496 / 7497 / 7498	63	66	3	1	149	7	92	0.1	7	19	1035	5.08	3	5	2	92	1	2	2	187	4.87	0.133	11	12	1.66	62	0.29	7	2.21	0.37	0.17	1	25
7499 / 7500 / 7501	66	69	3	1	101	7	73	0.1	2	16	1125	4.73	6	5	4	155	1	2	2	169	7.1	0.192	11	3	1.47	89	0.24	2	2.14	0.36	0.22	1	3
7502 / 7503 / 7504	69	72	3	1	138	8	51	0.2	16	18	989	4.18	5	5	5	273	1	2	2	154	10.75	0.061	6	8	1.65	30	0.12	8	3.48	0.33	0.38	1	7
7505 / 7506 / 7507	72	75	3	1	115	9	46	0.1	13	20	957	5.02	5	5	4	117	1	2	2	138	12	0.076	8	5	1.57	30	0.18	5	2.09	0.32	0.24	1	8
7508 / 7509 / 7510	75	78	3	1	165	9	49	0.2	14	21	715	5.08	6	5	3	148	1	2	2	204	7.35	0.061	6	4	1.51	51	0.21	4	2.72	0.38	0.35	1	16
7511 / 7512 / 7513	78	81	3	1	198	12	62	0.1	16	24	760	5.42	4	5	2	278	1	2	2	218	6.13	0.049	6	5	1.93	52	0.25	4	3.28	0.1	0.31	1	23
7514 / 7515 / 7516	81	84	3	1	65	2	59	0.1	18	21	731	5.7	7	5	3	179	1	2	2	236	6.66	0.046	5	5	1.97	55	0.25	5	3.09	0.38	0.29	1	1
7517 / 7518 / 7519	84	87	3	2	245	7	69	0.2	14	26	836	4.97	11	5	4	181	1	2	3	193	6.55	0.151	8	4	2.57	43	0.29	9	3.61	0.35	0.21	1	74
7520 / 7521 / 7522	87	90	3	4	56	2	61	0.1	9	17	774	4.81	6	5	3	361	1	2	2	211	5.47	0.205	11	3	1.88	79	0.32	5	2.8	0.12	0.36	1	1
7523 / 7524 / 7525	90	93	3	1	44	5	71	0.1	11	20	913	5.4	5	5	3	283	1	2	2	242	5.24	0.273	13	3	1.92	104	0.36	7	2.79	0.13	0.47	1	7
7526 / 7527 / 7528	93	96	3	1	105	2	46	0.1	9	20	572	5.19	3	5	2	221	1	2	2	233	5.39	0.27	14	2	1.47	137	0.35	10	2.92	0.16	0.5	1	6
7529 / 7530 / 7531	96	99	3	1	90	3	52	0.1	8	21	574	5.49	5	5	3	305	1	2	2	249	5.07	0.305	15	2	1.51	170	0.38	5	2.85	0.2	0.57	1	14
7532 / 7533 / 7534	99	102	3	1	175	6	58	0.1	7	24	607	5.52	3	5	2	445	1	2	2	257	4.98	0.296	14	1	1.47	175	0.38	4	2.9	0.21	0.6	1	13
7535 / 7536 / 7537	102	105	3	1	114	2	49	0.1	5	19	509	5.43	5	5	3	400	1	2	2	252	4.74	0.203	11	4	1.19	149	0.31	2	2.77	0.2	0.45	1	4
7538 / 7539 / 7540	105	108	3	1	66	5	40	0.1	13	17	482	4.57	4	5	2	354	1	2	2	207	5.55	0.382	5	3	1.15	110	0.27	6	3.25	0.26	0.35	1	1
7541 / 7542 / 7543	108	111	3	1	177	3	41	0.1	17	20	469	4.87	4	5	2	351	1	2	2	205	5.26	0.087	5	22	1.14	133	0.24	4	2.31	0.19	0.25	1	18
7544 / 7545 / 7546	111	114	3	1	692	3	39	0.1	17	23	511	4.84	3	5	2	424	1	2	2	196	6.53	0.116	5	5	1.6	68	0.25	4	3.46	0.25	0.23	1	137
7547 / 7548 / 7549	114	117	3	1	544	2	29	0.1	25	17	355	3.58	2	5	3	293	1	2	2	166	5.07	0.068	5	33	1.18	98	0.24	8	3.16	0.22	0.32	1	41
7550 / 7551 / 7552	117	120	3	1	204	13	61	0.1	13	22	455	4.49	7	5	3	451	1	2	2	226	6.53	0.061	4	15	1.05	79	0.23	4	3.27	0.25	0.26	1	12
7553 / 7554 / 7555	120	123	3	1	90	5	44	0.1	13	18	484	4.82	3	5	2	409	1	2	2	212	5.29	0.077	6	8	1.17	69	0.22	9	3.34	0.21	0.22	1	16
7556 / 7557 / 7558	123	126	3	1	73	10	37	0.1	13	17	480	5.2	3	5	2	347	1	2	2	235	5.53	0.068	4	4	1.14	85	0.24	5	3.25	0.19	0.28	1	6
7559 / 7560 / 7561	126	129	3	1	163	2	38	0.1	14	21	476	4.86	5	5	3	303	1	2	2	223	6.04	0.096	5	8	1.39	84	0.25	9	3.32	0.17	0.3	1	9
7562 / 7563 / 7564	129	132	3	1	96	4	50	0.1	15	23	592	5.32	4	5	2	222	1	2	4	251	4.75	0.14	8	7	1.91	130	0.4	3	2.91	0.18	0.45	1	4
7565 / 7566 / 7567	132	135	3	1	162	9	57	0.2	9	24	672	5.35	2	5	3	185	1	2	2	244													

DIAMOND DRILL HOLE 206-5

PG1

ORBEX INDUSTRIES INC.

GIBBONS CREEK PROPERTY
LHM 1 to 5 CLAIMS

THREE METER COMPOSITE DRILL CORE ANALYSES

SAMPLE NO.'S	FROM(m)	TO(m)	LENGTH(m)	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au PPB	
7588 / 7589 / 7590	6.7	10	3.3	3	8	136	5	53	0.1	14	26	580	6.23	5	5	3	45	1	2	2	252	4.3	0.137	8	23	1.84	64	0.3	2	2.17	0.05	0.38	1	15
7591 / 7592 / 7593	10	13	3	3	142	9	49	0.1	14	30	614	6.46	7	5	3	49	1	2	2	267	4.69	0.126	7	25	1.86	59	0.33	2	2.51	0.05	0.23	1	9	
7594 / 7595 / 7596	13	16	3	2	207	8	62	0.1	13	30	711	6.89	4	5	2	44	1	2	2	291	4.14	0.117	6	28	2.11	59	0.37	2	2.43	0.05	0.24	1	16	
7597 / 7598 / 7599	16	19	3	2	192	9	63	0.1	13	33	706	6.99	9	5	4	62	1	2	2	277	5.18	0.12	9	28	2.17	53	0.34	2	2.61	0.04	0.23	1	18	
7600 / 7601 / 7602	19	22	3	3	68	15	65	0.1	22	20	779	6.51	4	5	3	74	1	2	2	262	5.57	0.129	10	34	2.02	85	0.29	2	2.6	0.05	0.26	1	3	
7603 / 7604 / 7605	22	25	3	6	215	14	73	0.7	41	30	1029	5.48	22	5	8	131	1	6	2	183	3.09	0.137	14	42	2.03	87	0.26	2	2.64	0.07	0.23	1	22	
7606 / 7607 / 7608	25	29	4	10	616	16	99	0.3	79	44	718	4.64	8	5	5	275	1	2	2	127	7.01	0.136	34	48	1.88	183	0.17	8	2.41	0.17	0.24	1	85	
7609 / 7610 / 7611	29	32	3	17	187	13	68	0.1	36	31	586	4.79	4	5	4	294	1	2	2	129	4.65	0.14	38	33	2.1	197	0.17	7	2.27	0.18	0.28	1	19	
7612 / 7613 / 7614	32	35	3	4	267	3	74	0.1	52	44	793	5.42	5	5	4	111	1	2	2	164	7.62	0.154	17	60	1.89	88	0.2	5	1.99	0.07	0.24	1	47	
7615 / 7616 / 7617	35	38	3	5	127	9	59	0.1	32	21	706	4.72	5	5	3	133	1	2	2	148	6.61	0.129	19	20	1.43	94	0.17	3	2.01	0.08	0.19	1	12	
7618 / 7619 / 7620	38	41	3	5	166	8	55	0.1	12	20	508	5.57	5	5	2	60	1	2	2	206	3.78	0.14	9	17	1.54	49	0.29	5	1.82	0.06	0.31	1	14	
7621 / 7622 / 7623	41	44	3	6	133	14	57	0.2	13	21	617	5.56	9	5	3	59	1	2	2	225	5.21	0.163	6	34	1.92	85	0.33	3	2.05	0.05	0.45	1	15	
7624 / 7625 / 7626	44	47	3	2	122	6	53	0.1	15	21	669	5.81	6	5	3	69	1	2	2	212	5.88	0.16	8	35	2.14	69	0.35	2	2.26	0.04	0.32	1	29	
7627 / 7628 / 7629	47	50	3	6	89	2	65	0.1	10	17	650	5.83	4	5	3	65	1	2	2	207	4.9	0.132	8	25	1.9	15	0.29	5	2.4	0.06	0.07	1	5	
7630 / 7631 / 7632	50	53	3	6	169	8	41	0.1	12	20	440	4.99	4	5	2	68	1	2	2	189	4.03	0.142	10	28	1.69	28	0.31	4	1.97	0.07	0.14	1	21	
7633 / 7634 / 7635	54	57	3	3	177	13	67	0.1	12	20	354	4.67	6	5	1	40	1	2	2	179	3.01	0.151	9	20	1.46	25	0.27	4	1.66	0.07	0.16	1	16	
7636 / 7637 / 7638	57	60	3	8	164	7	65	0.1	19	22	419	5.47	7	5	1	42	1	2	2	230	2.93	0.124	5	50	1.43	34	0.3	6	1.69	0.05	0.13	1	10	
7639 / 7640 / 7641	60	63	3	4	107	4	60	0.1	12	18	688	5.23	5	5	3	58	1	2	2	183	4.51	0.122	9	34	1.49	29	0.26	6	1.99	0.04	0.11	1	6	
7642 / 7643 / 7644	63	66	3	4	370	9	178	0.2	13	41	565	5.48	8	5	3	56	1	2	2	191	3.94	0.139	16	30	1.55	49	0.24	3	1.66	0.05	0.23	1	23	
7645 / 7646 / 7647	66	69	3	2	490	14	72	0.3	13	44	666	4.94	13	5	7	129	1	15	2	152	5.73	0.148	30	27	1.37	40	0.22	9	1.97	0.05	0.1	1	36	
7648 / 7649 / 7650	69	72	3	3	235	12	52	0.1	20	29	542	5.32	7	5	3	72	1	2	2	188	4.5	0.146	12	56	1.7	76	0.28	5	2.19	0.05	0.15	1	12	
7651 / 7652 / 7653	72	75	3	5	151	9	63	0.2	160	28	660	4.02	5	5	4	457	1	2	2	113	6.29	0.153	42	43	2.86	537	0.2	8	2.53	0.21	0.33	1	8	
7654 / 7655 / 7656	75	78	3	1	44	10	55	0.1	203	23	646	3.82	5	5	4	370	1	2	2	93	5.88	0.154	45	46	3.08	433	0.14	5	2.41	0.13	0.27	1	1	
7657 / 7658 / 7659	78	81	3	1	47	11	59	0.2	204	24	663	3.86	5	5	4	620	1	2	2	98	6.22	0.157	45	47	3.16	490	0.16	7	2.47	0.14	0.28	1	1	
7660 / 7661 / 7662	81	84	3	1	45	53	57	0.1	198	23	639	3.74	5	5	4	667	1	3	2	96	6.15	0.157	45	44	3.12	638	0.16	7	2.36	0.15	0.27	1	1	
7663 / 7664 / 7665	84	87	3	1	46	16	58	0.1	206	24	537	3.73	4	5	4	738	1	2	2	94	5.47	0.16	49	42	3.09	593	0.16	7	2.4	0.18	0.31	1	2	
7666 / 7667	87	89	2	1	46	17	60	0.2	172	21	469	3.6	3	5	5	1211	1	2	2	98	5.92	0.165	50	34	2.6	732	0.19	3	2.39	0.23	0.39	1	1	

SAMPLE NO.'S	FROM(m)	TO(m)	LENGTH(m)	Au PPB
7688 / 7689 / 7690	89	92	3	4
7671 / 7672 / 7673	92	95	3	1
7674 / 7675 / 7676	95	98	3	1
7677 / 7678 / 7679	98	101	3	1
7680 / 7681 / 7682	101	104	3	15
7683 / 7684 / 7685	104	107	3	13
7686 / 7687 / 7688	107	110	3	20
7689 / 7690 / 7691	110	113	3	250
7692 / 7693 / 7694	113	116	3	21
7695 / 7696 / 7697	116	119	3	42
7698 / 7699 / 7700	119	122	3	58
7701 / 7702 / 7703	122	125	3	71
7704 / 7705 / 7706	125	128	3	33
7707 / 7708 / 7709	128	131	3	6
7710 / 7711 / 7712	131	134	3	20
7713 / 7714 / 7715	134	137	3	12
7716 / 7717 / 7718	137	140	3	7
7719 / 7720 / 7721	140	143	3	25
7722 / 7723 / 7724	143	146	3	8
7725 / 7726 / 7727	146	149	3	6
7728 / 7729 / 7730	149	152	3	19
7731 / 7732 / 7733	152	155	3	63
7734 / 7735 / 7736	155	158	3	185
7737 / 7738 / 7739	158	161	3	150
7740 / 7741 / 7742	161	164	3	155
7743 / 7744 / 7745	164	167	3	38
7746 / 7747 / 7748	167	170	3	16

SAMPLE NO.'S	FROM(m)	TO(m)	LENGTH(m)	Au	PPB
7749 / 7750 / 7751	170	173	3	3	10
7752 / 7753 / 7754	173	176	3	3	19
7755 / 7756 / 7757	176	179	3	3	11
7758 / 7759 / 7760	179	182	3	3	43
7761 / 7762 / 7763	182	185	3	3	6
7764 / 7765 / 7766	185	188	3	3	31
7767 / 7768 / 7769	188	191	3	3	61
7770 / 7771 / 7772	191	194	3	3	88
7773 / 7774 / 7775	194	197	3	3	43
7776 / 7777 / 7778	197	199.6	2.6	3	32

ORBEI INDUSTRIES INC.
GIBBONS CREEK PROPERTY
LEM 1 to 5 CLAIMS

THREE METRE COMPOSITE DRILL CORE ANALYSES

SAMPLE NO.'S	FROM(m)	TO(m)	LENGTH(m)	Au PPB
7780 / 7781	10	12	2	49
7782 / 7783 / 7784	12	15	3	68
7785 / 7786 / 7787	15	18	3	110
7788 / 7789 / 7790	18	21	3	85
7791 / 7792 / 7793	21	24	3	23
7794 / 7795 / 7796	24	27	3	48
7797 / 7798 / 7799	27	30	3	10
7800 / 7801 / 7802	30	33	3	11
7803 / 7804 / 7805	33	36	3	19
7806 / 7807 / 7808	36	39	3	31
7809 / 7810 / 7811	39	42	3	173
7812 / 7813 / 7814	42	45	3	138
7815 / 7816 / 7817	45	48	3	94
7818 / 7819 / 7820	48	51	3	34
7821 / 7822 / 7823	51	54	3	35
7824 / 7825 / 7826	54	57	3	38
7827 / 7828 / 7829	57	60	3	44
7830 / 7831 / 7832	60	63	3	49
7833 / 7834 / 7835	63	66	3	132
7836 / 7837 / 7838	66	69	3	60
7839 / 7840 / 7841	69	72	3	100
7842 / 7843 / 7844	72	75	3	99
7845 / 7846 / 7847	75	78	3	23
7848 / 7849 / 7850	78	81	3	17
7851 / 7852 / 7853	81	84	3	10
7854 / 7855 / 7856	84	87	3	28
7857 / 7858 / 7859	87	90	3	22
7860 / 7861 / 7862	90	93	3	20
7863 / 7864 / 7865	93	96	3	6
7866 / 7867 / 7868	96	99	3	10
7869 / 7870 / 7871	99	102	3	9
7872 / 7873 / 7874	102	105	3	55
7875 / 7876 / 7877	105	108	3	10
7878 / 7879 /	108	110	2	9
7880 / 7881 / 7882	110	113	3	48
7883 / 7884 / 7885	113	116	3	20
7886 / 7887 / 7888	116	119	3	52
7889 / 7890 / 7891	119	122	3	44
7892 / 7893 / 7894	122	125	3	170
7895 / 7896 / 7897	125	128	3	190
7898 / 7899 / 7900	128	131	3	150
7901 / 7902 / 7903	131	134	3	62
7904 / 7905 / 7906	134	137	3	210
7907 / 7908	137	139.6	2.6	11

ORBEX INDUSTRIES INC.
GIBBONS CREEK PROPERTY
LEM 1 to 5 CLAIMS

THREE METRE COMPOSITE DRILL CORE ANALYSES

SAMPLE NO.'S	FROM(m)	TO(m)	LENGTH(m)	Au PPB
7909	9.3	10	0.7	11
7910	7911	7912	10	13
7913	7914	7915	13	16
7916	7917	7918	16	19
7919	7920	7921	19	22
7922	7923	7924	22	25
7925	7926	7927	25	28
7928	7929	7930	28	31
7931	7932	7933	31	34
7934	7935	7936	34	37
7937	7938	7939	37	40
7940	7941	7942	40	43
7943	7944	7945	43	46
7946	7947	7948	46	49
7949	7950	7951	49	52
7952	7953	7954	52	55
7955	7956	7957	55	58
7958	7959	7960	58	61
7961	7962	7963	61	64
7964	7965	7966	64	67
7967	7968	7969	67	70
7970	7971	7972	70	73
7973	7974	7975	73	76
7976	7977	7978	76	79
7979	7980	7981	79	82
7982	7983	7984	82	85
7985	7986	7987	85	88
7988	7989	7990	88	91
7991	7992	7993	91	94
7994	7995	7996	94	97
7997	7998	7999	97	100
8000	8001	8002	100	103
8003	8004	8005	103	106
8006	8007	8008	106	109
8009	8010	8011	109	112
8012	8013	8014	112	115
8015	8016	8017	115	118
8018	8019	8020	118	121
8021	8022	8023	121	124
8024	8025	8026	124	127
8027	8028	8029	127	130
8030	8031	8032	130	133
8033	8034	8035	133	136
8036	8037	8038	136	139
8039	8040	8041	139	142
8042	8043	8044	142	145
8045	8046	8047	145 148.13	3.13 2

A P P E N D I X I V
PROJECT DISBURSEMENTS

PROJECT DISBURSEMENTS
ITEMIZED COST STATEMENT
GIBBONS CREEK PROPERTY
LEM 1 TO 5 CLAIMS

A. SALARIES

L. Hunt (Nov. 4 to 7, 1986) 4 days @ \$140	\$ 560.00	
R. Konst (Oct. 28 to Nov. 23, 1986) 27 days @ \$175	4,725.00	
G. Goodall (Oct. 28 to Nov. 13, 1986) 17 days @ \$185	3,145.00	
R. Gibbs (Nov. 15 to 19, 1986) 5 days @ \$124	620.00	
C. Payne (Oct. 31 to Nov. 7, 1986) (Jan. 29 to Feb. 16, 1987) 19 days @ \$250	4,750.00	
	\$ 13,800.00	

B. TRANSPORTATION

Truck Rental 27 days @ \$56		1,512.00
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C. ASSAYS

351 samples @ \$20.60/sample including preparation		7,230.60
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D. FIELD SUPPLIES

		658.00
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E. DRAFTING & REPRODUCTIONS

Drafting	362.50	
Reproductions & Maps	589.50	952.00

F. DRILLING

1,090.82 metres of NQWL		93,678.00

TOTAL DISBURSEMENTS

\$117,830.60
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Prepared by:

ORTEC GEOLOGICAL SERVICES

Craig W. Payne

Craig W. Payne, M.Sc.
February 16, 1987

C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	COST	
	\$ 117,830.60	
D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.)		
TOTAL OF C AND D		\$ 117,830.60

Who was the operator (provided the financing)? Name Orbex Industries Inc.
Address 1409 - 409 Granville Street
Vancouver, B.C. V6C 1T8

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) account(s):		
	Name of Owner	
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1.	
	2.	
	3.	
	4.	
TOTAL WITHDRAWAL		
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		\$ 117,830.60

I wish to apply \$ 2,400,00 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

Lem 3 July 7811 12 units 2 years @ \$100 \$ 2,400.00

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Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

		Name	AMOUNT
In owner(s) name.	1.		
	2.		
	3.		
In operator(s) name (party providing the financing).	1.		
	2.		
	3.		

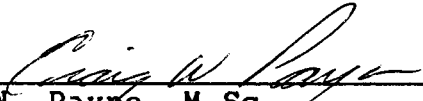
Craig W. Ray
(Signature of Applicant)

A P P E N D I X V
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

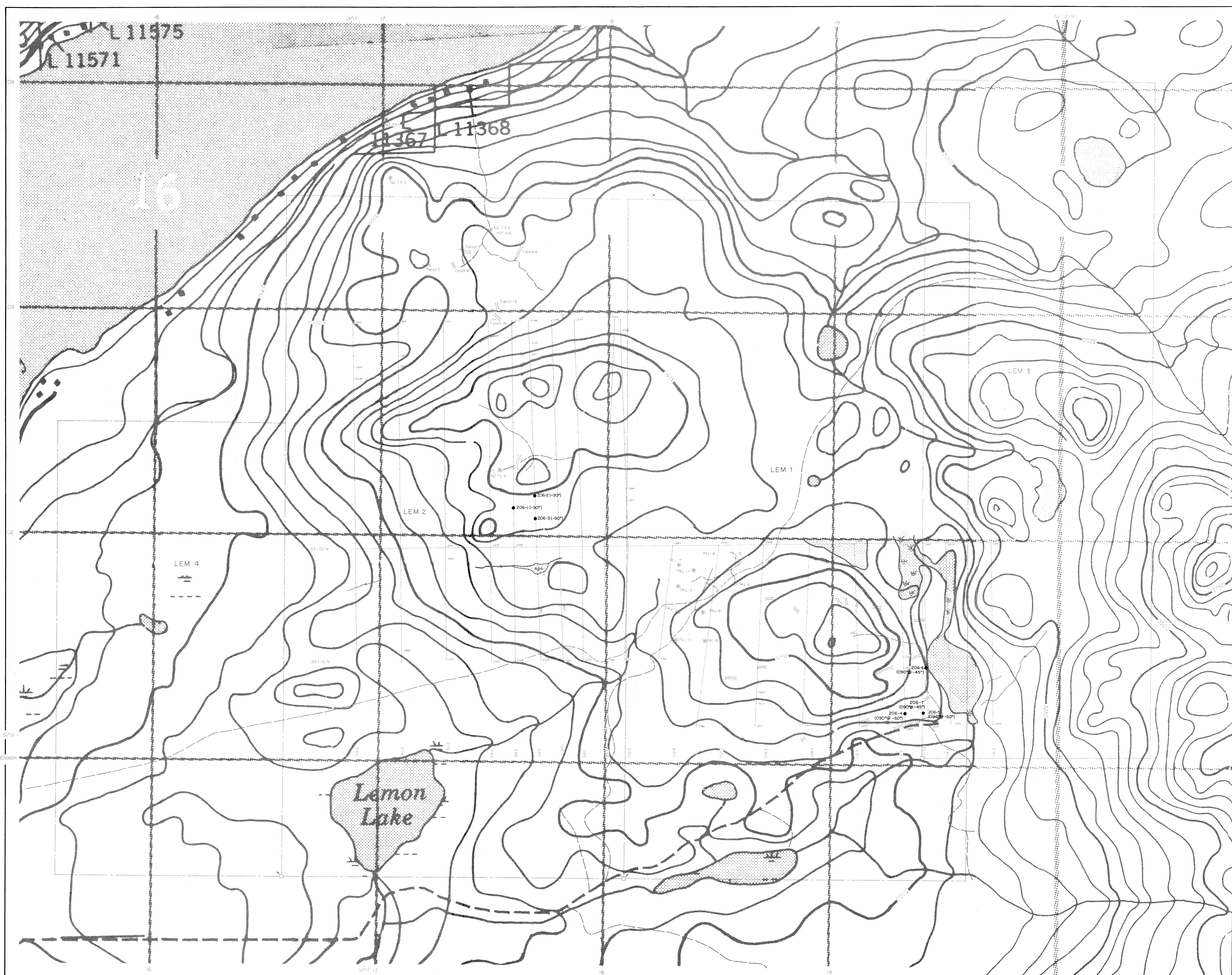
I, Craig W. Payne, do hereby certify that:

1. I graduated from Brock University, St. Catharines, Ontario in 1979 with a Master of Science degree in Geological Sciences.
2. Since that time I have been employed as an exploration geologist in British Columbia and elsewhere.
3. I am presently employed by Ortec Geological Services in Vancouver, B.C.



Craig W. Payne, M.Sc.

February 16, 1987



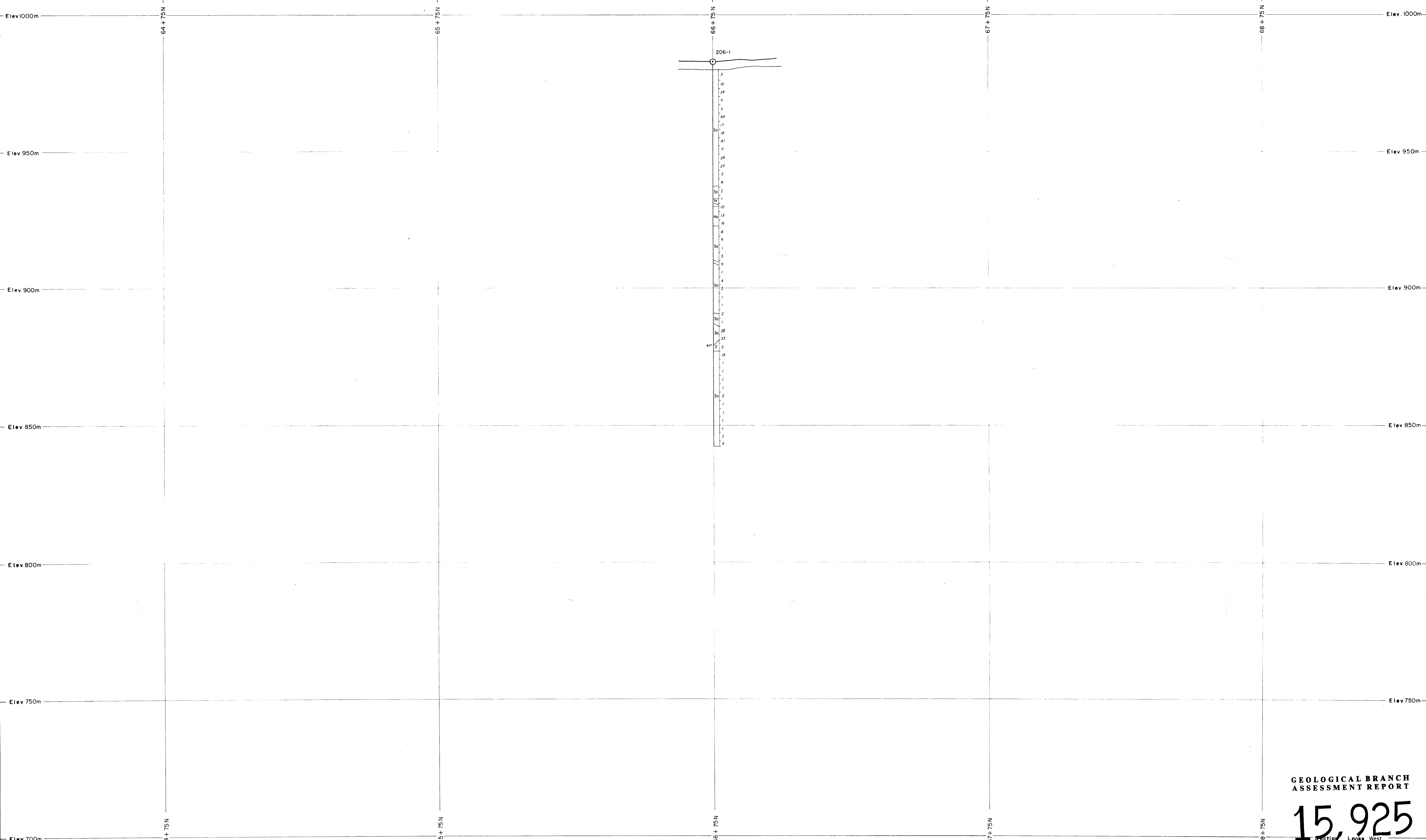
- LEGEND**
- ⊙ 92 73-1 1973 DIAMOND DRILL HOLE
 - ⊙ 74L-6 1974 PERCUSSION DRILL HOLE
 - TRENCH
 - LOGGING ROAD OR TRAIL
 - 5801000N 420000E UTM COORDINATES
 - 206-5 1986 DIAMOND DRILL HOLE
 - DRILL HOLE INCLINATION (COLLAR)
 - DRILL HOLE AZMUTH

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,925

To accompany 1986 Gibbons Creek Diamond Drilling Report

ORBEX INDUSTRIES INC.				
PROJECT NO: 206		LEM 1-5 CLAIMS, B.C.		
DRILL PLAN				
SCALE	DATE	FILE No.	N.T.S. No.	DWG. No.
1 : 5000	FEB/87	BY:	93A/12	3

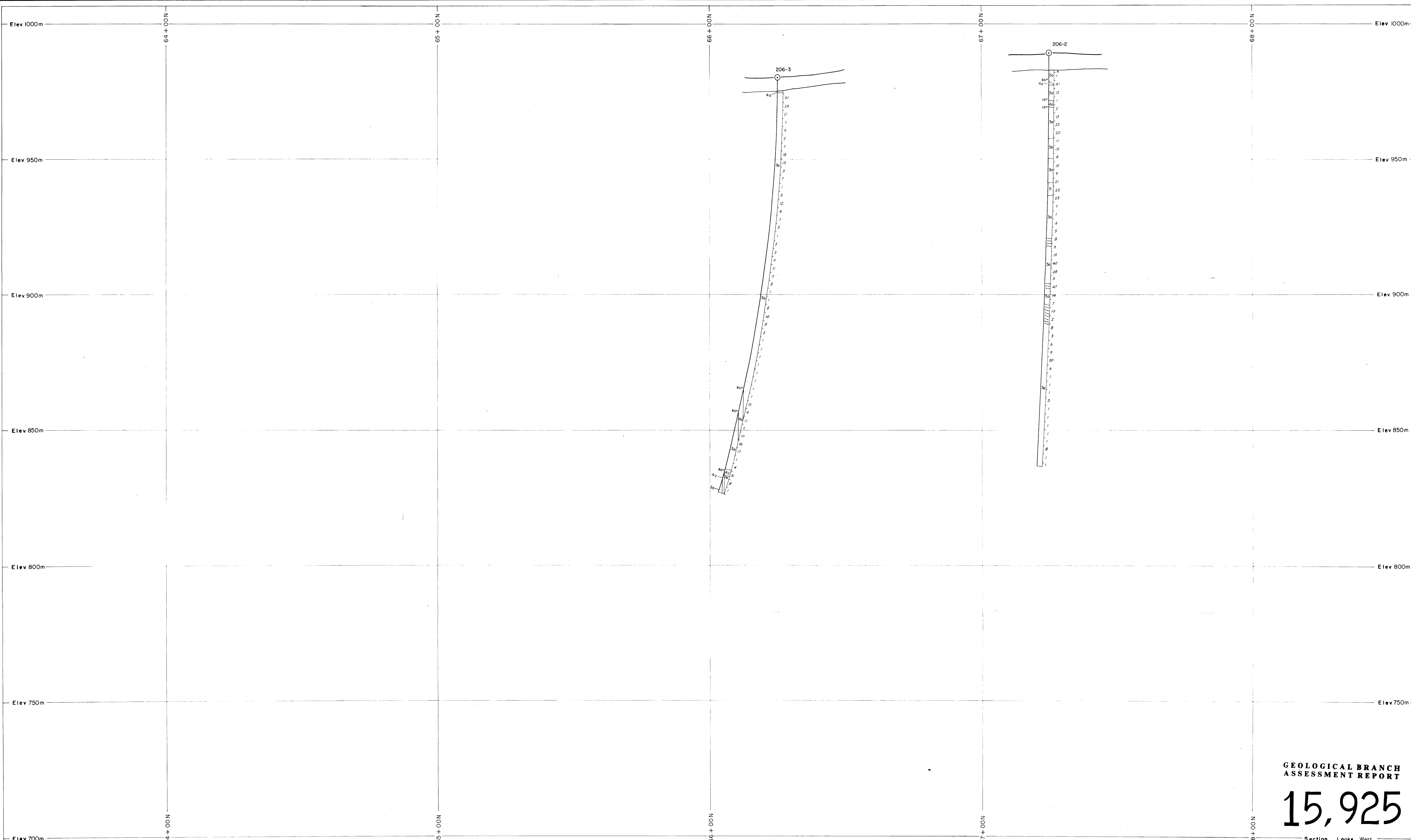


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,925
Section Looks West

<p>LEMON LAKE STOCK</p> <ul style="list-style-type: none"> 5 Syenite, monzonite, diorite, micro diorite 4b Felsic dyke 4a Mafic dyke 3b Propylitized felsic breccia 3a Felsic breccia 2 Siltstone 1b Calcareous basalt 1a Basalt 	<p>ASSAY DATA</p> <p>Gold assays in ppb</p> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px; width: 100%;"></div> <p>200</p> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 20px; width: 100%;"></div> <p>300</p>	<p>SYMBOLS</p> <ul style="list-style-type: none"> Fault gouge, sheared rock; angle of shear foliation to core axis Bedding, layering; angle to core axis Geological contact: approximate, assumed Fault, shear zone: approximate, assumed
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ORBEX INDUSTRIES INC.				
PROJECT NO: 206		LEM 1 to 5 CLAIMS, B.C.		
DIAMOND DRILL HOLE 206-1				
CROSS SECTION 95+00E				
SCALE	DATE	BY	N.T.S. No.	DWG. No.
1:500	Feb. '87	/	93 A/12	4



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,925

Section Looks West

LEMON LAKE STOCK

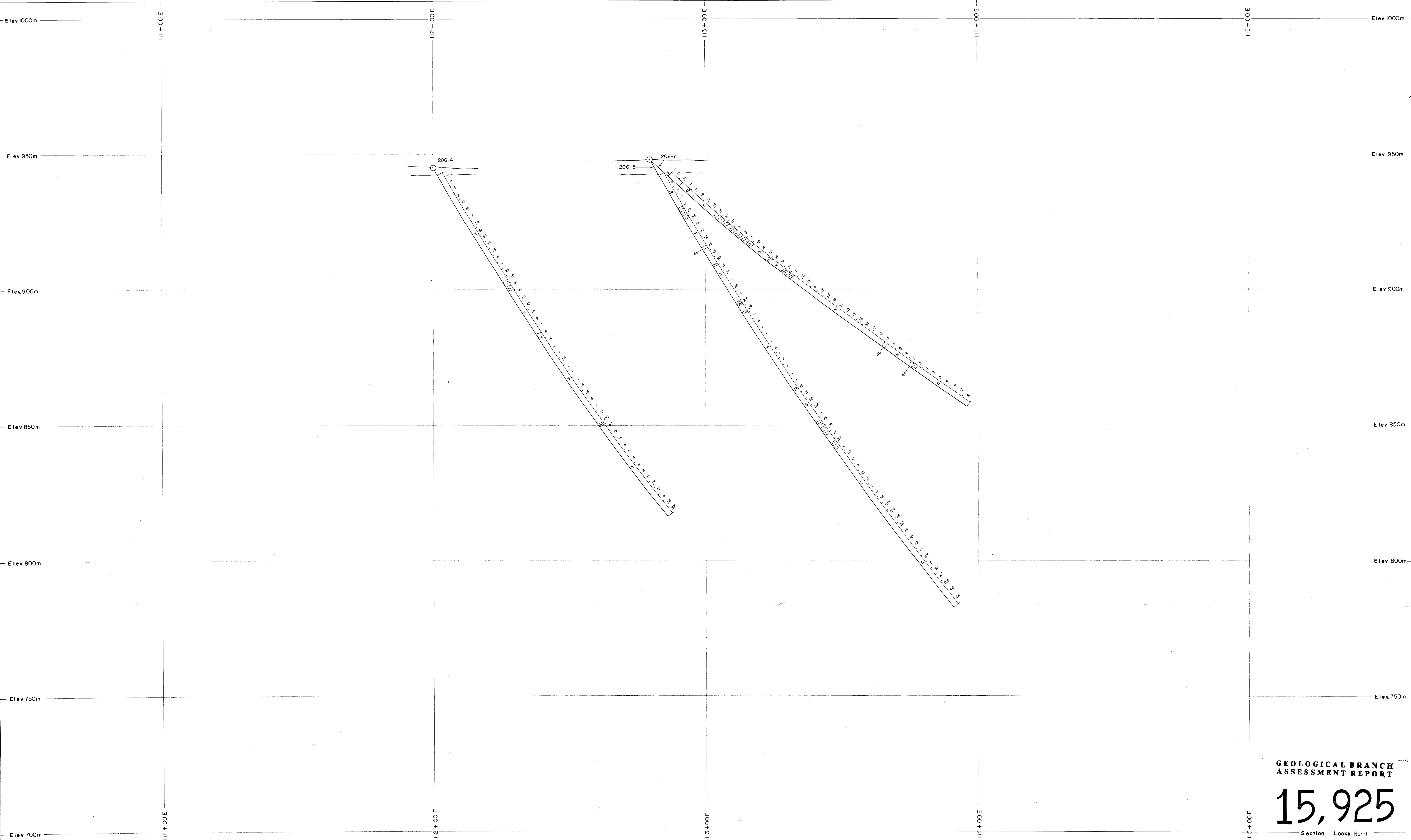
- 5 Syenite, monzonite, diorite, micro diorite
- 4b Felsic dyke
- 4a Mafic dyke
- 3b Propylitized felsic breccia
- 3a Felsic breccia
- 2 Siltstone
- 1b Calcareous basalt
- 1a Basalt

ASSAY DATA
Gold assays in ppb

SYMBOLS

- Fault gouge, sheared rock; angle of shear foliation to core axis
- Bedding, layering; angle to core axis
- Geological contact: approximate, assumed
- Fault, shear zone: approximate, assumed

ORBEX INDUSTRIES INC.				
PROJECT NO: 206		LEM 1 to 5 CLAIMS, B.C.		
DIAMOND DRILL HOLES 206-2 and 3				
CROSS SECTION 96+00E				
SCALE	DATE	BY	N.T.S. No.	DWG No.
1:500	Feb '87		93 A /12	5

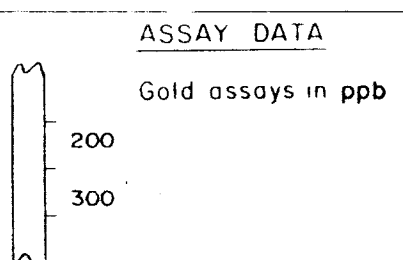


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,925

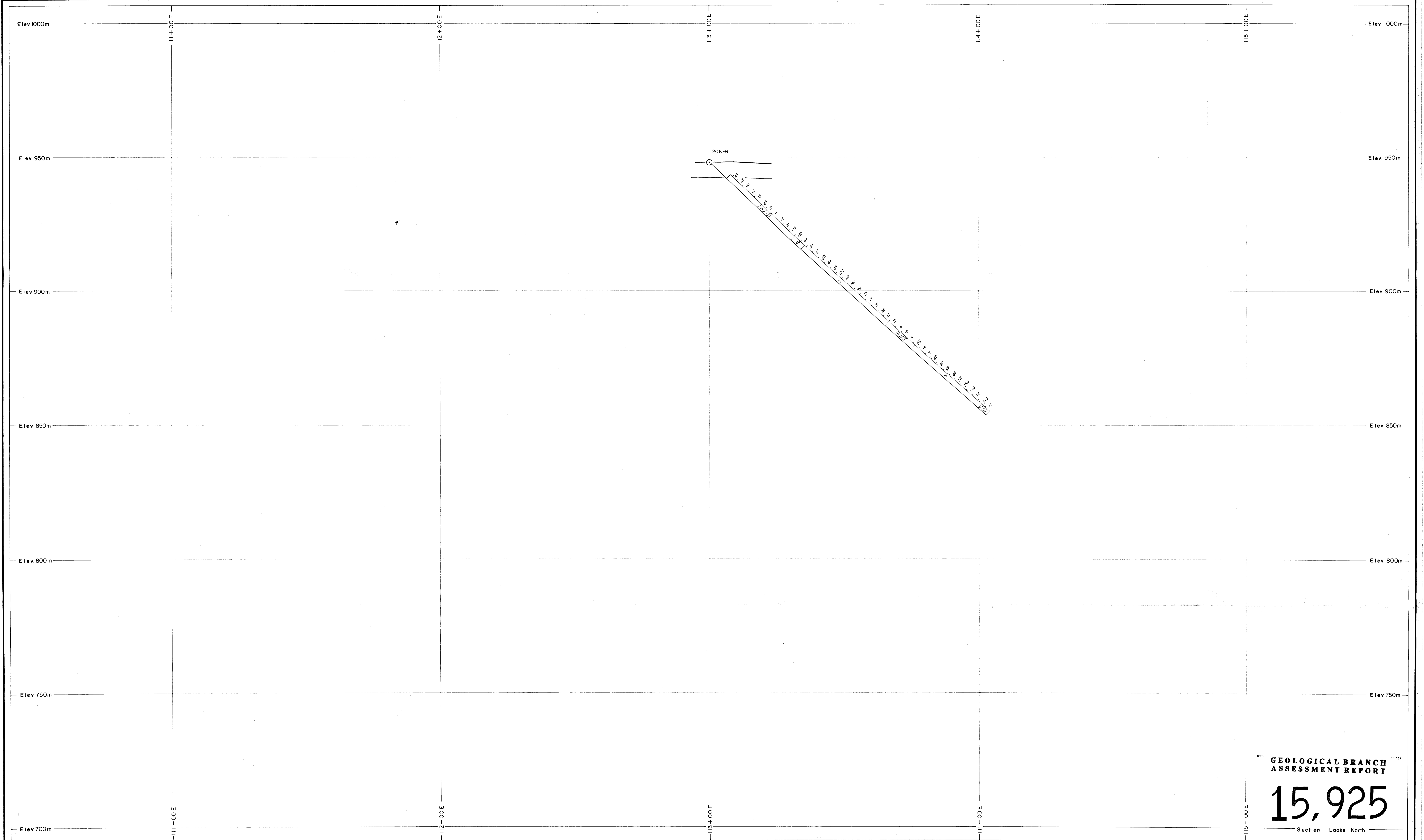
Section Looks North

- LEMON LAKE STOCK**
- 5 Syenite, monzonite, diorite, micro diorite
 - 4b Felsic dyke
 - 4a Mafic dyke
 - 3b Propylitized felsic breccia
 - 3a Felsic breccia
 - 2 Siltstone
 - 1b Calcareous basalt
 - 1a Basalt



- SYMBOLS**
- Fault gouge, sheared rock; angle of shear foliation to core axis
 - Bedding, layering; angle to core axis
 - Geological contact: approximate, assumed
 - Fault, shear zone: approximate, assumed

ORBEX INDUSTRIES INC.				
PROJECT NO: 206		LEM 1 to 5 CLAIMS, B.C.		
DIAMOND DRILL HOLES 206-4, 5 & 7				
CROSS SECTION 57+50N				
SCALE	DATE	BY	N.T.S. No.	DWG No.
1:500	Feb '87		93 A/12	6

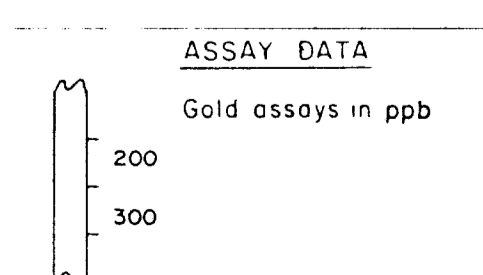


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,925

Section Looks North

- LEMON LAKE STOCK**
- 5 Syenite, monzonite, diorite, micro diorite
 - 4b Felsic dyke
 - 4a Mafic dyke
 - 3b Propylitized felsic breccia
 - 3a Felsic breccia
 - 2 Siltstone
 - 1b Calcareous basalt
 - 1a Basalt



- SYMBOLS**
- Fault gouge, sheared rock; angle of shear foliation to core axis
 - Bedding, layering; angle to core axis
 - Geological contact: approximate, assumed
 - Fault, shear zone: approximate, assumed

ORBEX INDUSTRIES INC.				
PROJECT NO: 206		LEM 1105 CLAIMS, B.C.		
DIAMOND DRILL HOLE 206-6				
CROSS SECTION 59+50 N				
SCALE	DATE	BY	N.T.S. No.	DWG No.
1:500	Feb. '87		93A/12	7