Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: EXPLORATION VENTURES LIMITED

BD 1

Hole No.	LDL	Grid Reference	57378 58516
Date Started	16 Aug 1972	Collar Elevation	115m
Date Completed	28 August 1972	Orientation	264° Grid N.
Dip	from 0 m.	Recovery	
Dip	from 81.08 m.	Inclination	45°
	from m.	Corrected	

Area	
Length	145.49
Purpose	Test mag anomaly
Logged By	L A Cronin
Date	29-30/8/72

On map

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.	Cu	Ni
0	6.09m	OVERBURDEN			A few fragments of pelitic						
					materials occur at the base of overburden.						
					(No overburden recovery)						
6.09	139.39	SERPENTINITE			A serpentinized rock with a	G.S. 0530	22.79	2.0		<0.001	0.170
					blackish-green, overall appearance.						
					Repeated variations in texture, grain	G.S. 0531	63.92	2.0		<0.001	0.190
					size and mineral proportions occur.						
					The fresh rock consists	G.S. 0532	99.81	2.0		<0.001	0.190
					predominantly of silvery white talc,						
					generally with a foliaceous habit						
					and pearly lustre; and a green to						
					black, blade-like mineral; (from its						
					form, probably a serpentine						
					pseudomorph after pyroxene/amphibole). A						
					light-green amorphous serpentine						
					mineral is commonly present in						
					varying amounts. Magnetite occurs as						
					small grains and veinlets throughout						
					the rock. Coarse grained sections						
					of rock display a decussate						
					texture.						
					Proportions of light & dark						
					minerals varies. In fine grained						

DIAMOND DRILL RECORD

Project: E.V.L.

Sheet No.

D.D.H. No.

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersect Angle	Description	Sample No.	From	Length	Rec.			
					Sections it is of the order 1:2/3, in							
					coarser grained varieties it approaches							
					unity.							
					Microfractures with infill chrysotile							
					and antigorite veining abound.							
					These occur at all orientations, but							
					locally may be sub-parallel;							
					Section 125.0m — 133.39m. Shear							
					planes with talc, steatite and calcite							
					coatings occur. The latter occassionally							
					take the form of rosette structures.							
					Banding in the rock is							
					infrequent and localized;							
				30°	Section around 102.8m							
				50-60°	" " 132.9m							
					A Concentration of shear							
					planes, possibly representing faults							
				45°	occur at; 28.6m							
				30°	35.9m							
					The rock as a whole is							
					strongly magnetic							
					Traces of sulphides were							
					infrequently noted;							
					about 103.0m							
					about 130.0m							
					+ highly weathered zone							
					[illegible] 6.9m — 15.00m approx,							

Hole No.		Collar Co-ordinates	
		Collar Elevation	
Date Completed		Orientation	Grid
from	m.	Recovery	
from	m.	Inclination	
from	m.	Corrected	

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: _____

Hole No.	
Length	
Purpose	
Logged By	
Date	

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	ASSAY RECORD Sample No.	From	Length	Rec
					The material is v friable with iron stained coatings present along the weathered fractures. Weathered sections occur intermittently down to 30.0m.				
					(Rec variable 6.09-20.0m: 30-70%, 20.0-133.9m, overall: 90-95%)				
133.39	142.2	PELITIC METASEDIMENTS			Greyish, fine-grained, quartz-biotite schist, with calcareous and calc silicate inclusions and bands.				
					A sharp upper contact with the serpentinite occurs. No hornfelsing is evident or evidence of a tectonic contact.				
				45-50°	The foliation is sub-parallel to the banding in fine grained sections of the serpentinite nr. the contact. About 2-3% fine grained sulphide is distributed along the foliation planes. Shear planes are variously coated with quartz, talc, and pyrite.				
					Rec 95%+				
142.2	143.8	TALCOSE-BASIC ROCK			Greyish-light green rock, consisting predominantly of medium grained talc and serpentine. Contact sections are friable and broken. A weak foliation is apparent locally — [illegible] around — 143.37m. Veins				
				50°					

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DIAMOND DRILL CORE RECORD

Project: _____

Drill Started		Hole No.	
Date Completed		Orientation	Grid N.
	from m.	Recovery	
	from m.	Inclination	
	from m.	Corrected	

Area	
Length	
Purpose	
Logged By	
Date	

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
					are common locally, up to 1cm wide, consisting of light green sericite with pyrite stringers; Calcite may be associated. Similar minerals occur along shear planes. Minor disseminated and veinlet pyrites also occurs throughout the rock. Rec 90%~				
93 87	145 70	PELITIC METASEDIMENTS			Pelitic Schists, with general features as 133 39 - 142 2 m. A coarser grained quartz-plag. biotite schist zone occurs from 145 10 - 145.70m. Rec 90-95%~				
					Hole Ends - 145.70 metres				

B.D.2

68150 E
6 2232 N

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DIAMOND DRILL CORE RECORD

on map

Project: EXPLORATION VENTURES LTD

Hole No.	II 22 —	Collar Elevation	
Date Completed	19/9/72	Orientation	296° Grid N.
NQ from	0 – 180.44 m.	Recovery	
from	m.	Inclination	45° W
from	m.	Corrected	

Area	Prospects Registered
Length	180.44 m
Purpose	Test mag/E anomaly
Logged By	L.A. Cruz
Date	27-9-72

METRES From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
0		OVERBURDEN			Towards base of overburden a few chips of quartz-mica-feldspar rock occur. This is followed by a broken up section consisting of fragments/boulders of fresh biotite gabbro, – probably not bedrock.				
20.3 (approx)	31.4 (approx)	GRANITIC AND ACID PEGMATITE ROCKS.			Heterogeneous section, consisting variously of quartz veins, quartz-mica pegmatite and granitic rock. Whole of section v. broken up, but probably bedrock. – 22.0 m (approx) - pegmatitic quartz-mica rock, with large segregations of muscovite. 22.0 – 24.5 m (approx) – virtually monomineralic opaque quartz rock with hematite filled vesicles and intensely iron stained fracture surfaces. 24.5 m – 31.0 m (approx) - Creamy white, medium grained granitic rock, (quartz-feldspar-biotite). Weak foliation apparent locally.				
31 (approx)	44.70	CONTAMINATED XENOLITHIC GABBRO			Mixture of hornfelsed semi-pelitic metasediments and fresh gabbro				

Friends Limited

DIAMOND DRILL CORE RECORD

Project: [illegible]

Sheet No. 2

D.D.H. No. [illegible]

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
					occurring in variable proportions. Locally metasediments may occur as xenoliths in a mostly mafic number patches of igneous material made predominantly metasedimentary horizons.				
					Hornfelsed metasediments consist mainly of fine grained pinkish-grey calc-silicate material and black graphitic bearing schist. Generally the igneous material is a leucocratic monzonite; texture varies from fine-coarse grained locally sub-sections are moderately weathered e.g. 38.5 m.				
					Igneous/metasedimentary contacts may be gradational, but are generally sharp — 35.5 m.				
					Graphite is abundant - as fine dissemmations in black schist — 35.5 m — coarse dissemmations & blotches in gabbroic material — 41.4 m — locally as narrow sub-sections of sub-massive graphite — 34.6 m — 35.1 m				
					Sulphides are widespread and probably average 1-1.5% over the section. — Pyrite is present as thick smears along fracture surfaces.				

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DIAMOND DRILL CORE RECORD

Project: EXPLORATION VENTURES LTD

Sheet No. 3

D.D.H. No.

METRES		GEOLOGICAL LOG				ASSAY RECORD			
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec
					coarse disseminations and splashes in graphitic gabbro - 34.6 35.1 and as veinlets in fracture infills throughout the section. -Pyrrhotite occurs mainly as disseminated and interstitial sulphide in the norite. Chalcopyrite - specks were rarely observed. (Many sulphide enriched sections appear to show a preferential distribution with graphite) Nr base of section - 42.0m coarse grained hypersthene gabbro predominates. Locally intensely altered carbonate rich contaminated gabbro occurs.				
14.70	49.25	TROCTOLITE/ OLIVINE GABBRO			Transition into well banded medium grained troctolite/olivine gabbro. Norite and uralitised? gabbro are gradational types near upper contact which is also sheared and fractured. The troctolite/olivine gabbro frequently carries accessory biotite. Olivines are moderately serpentinized, with associated fine grained X magnetite.				

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DIAMOND DRILL CORE RECORD

Project: E.V.L

Sheet No. 4

D.D.H. No. B[illegible]

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.			
					Foliation (primary banding?) appears							
					Consistent							
				60°	- 47.55 m							
				50°	- 48.20 m							
					Fracture and shear planes at all							
					angles are commonly coated with							
					talc/serpentine minerals, and minor pyrite							
					and calcite. A v. thick coating of pyrite							
					and graphite occur associated with a							
					shear plane at 47.45 m.							
					Locally thick aragonite/chrysotile							
					veins occur - 48.35 m.							
					Minor (.1% ≃) primary dissem and							
					interstitial sulphide - pyrite and							
					pyrrhotite is present. Locally narrow							
					sub-sections may reach, - 1.5% — 46.90 m							
					- .75% — 47.3 m							
					Fracture infills of pyrite occur infrequently.							
					At the lower contact, the gabbro is							
					altered (weathered?) for .1 metre.							
49.25	80.27	SERPENTINITE			Dark green-black, fine grained massive							
					rock. V. homogenous throughout section							
					[illegible] upper (90°) and lower (65°)							
					[illegible] contacts. Lower contact							
					[illegible] thick coating of graphite							

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• DIAMOND DRILL CORE RECORD

Project: E V L

Sheet No. 5

D.D.H. No. [illegible]

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersec Angle	Description	Sample No.	From	Length	Rec.			
					with thick veins of graphite and minor pyrite rampaging the Serpentinite.							
					Slickensided shear planes, at all orientations occur, and are coated with talcose minerals, calcite and pyrite. Veins and veinlets of chrysotile and/or aragonite are present at varying intervals throughout the section.							
					The rock as a whole is strongly magnetic.							
80.27	86.24	TROCTOLITE/ OLIVINE GABBRO			Sharp upper contact with Serpentinite, but transition over 3m from uralitised norite? into troctolite.							
					Predominantly 'spotted' troctolite appearance, around 80.87m, olivine-rich sub-sections assume picritic texture. Elsewhere gradations into olivine gabbro occur. Biotite common accessory. Olivines moderately serpentinised with associated fine grained α° magnetite. Strong lamination is present e.g. 81.0m – 50°. A narrow (0.06m) Serpentinite band occurs at 84.42m. Shear and fracture planes, generally at a narrow angle to the core axis are coated variously in talc, soap, calcite and pyrite.							

Consolidated

DIAMOND DRILL HOLE RECORD — Project: EXPLORATION VENTURE LTD — Sheet No. 6 — D.D.H. No. B 2 a

METRES From	METRES Recovered	Rock Type	Graphic Log	Intersec Angle	Description	Sample No.	From	Length	Rec.	Cu %	Ni %
					Sulphide - generally averaging ·5%, as primary interstitial pyrrhotite. Pyrite is present						
					Sub-section 83·42 — 84·27 — 1%						
86·24	88·21	HYPERSTHENE AND GRAPHITIC GABBRO			Upper contact truncated into v. coarse grained olivine hypersthene gabbro. Graphitic gabbro at 86·80 + 87·68. Interstitial pyrite and pyrrhotite shows patchy distribution, but may reach 1·5-2%						
88·21	146·40	TROCTOLITE/ OLIVINE GABBRO — WITH PATCHES OF URALITISED GABBRO.			Sequence predominantly in medium-coarse equigranular olivine-plagioclase rocks. Many features as section 80·27m — . Varying proportions of orthopyroxene are present and locally sub-sections may be termed olivine norite/olivine hypersthene gabbro.	RS 0435	133·83	·50		0·017	0·031
						0423	134·33	·88		0·062	0·085
						0436	135·21	·66		0·031	0·046
						0424	135·87	1·86		0·087	0·11
						0437	137·73	·50		0·019	0·032
					A well developed primary foliation (lamination) appears consistent throughout the section						
				55°	- 92·4 m						
				55°	- 124·0 m						
				60°	- 136·0 m						
					Intermittently patches or xenoliths of uralitised gabbro, with sharp and oblique contacts truncate						

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: EVL

Sheet No. 7

D.D.H. No.

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.	Cu %	Ni %
					the olivine gabbro/troctolite foliation.						
					Shear and fracture planes as above.						
					Sulphide fraction occurs predominantly						
					as primary interstitial pyrrhotite and						
					pyrite, averaging ·5%. Frequently v. finely						
					disseminated sulphides appear distributed						
					along the foliation. e.g. —						
					Sulphide enriched sub-sections —						
					— 134·33 - 135·21 - 3-4%						
					— 135·87 - 137·73 - "						
146·40	176·95	CONTAMINATED			In general, similar features to	C.S. 0438	158·72	·50		<0·001	0·002
		XENOLITHIC			Section 31·45m — 44·70 m, but lithological	0425	159·22	·58		0·067	0·046
		GABBRO			units more continuous. In addition	0439	159·80	·30		0·039	0·025
					Calcareous metasediments more prominent.	0426	160·10	·64		0·044	0·036
					Narrow sub-sections w heavy sulphide mineralisation	0440	160·74	·50		0·025	0·016
					In Detail						
						C.S. 0427	162·26	·34		0·014	0·012
					146·4-151·0 m Upper contact transitional	0441	162·60	·38		0·014	0·007
					from coarse grained olivine gabbro/troctolite	0428	162·98	·15		0·034	0·022
					→ olivine norite → medium-fine grained	0442	163·13	·82		0·009	0·005
					norite. Narrow sub-section of graphitic	0429	163·95	·90		0·045	0·025
					gabbro around 149·55m w 4-5% pyrite	0443	164·85	·50		0·019	0·009
					& pyrrhotite. Medium grained leucocratic						
					norite contains discrete tabletty poikilitic	C.S. 0444	167·54	·60		0·025	0·024
					averaging 1%.	0430	168·14	·31		0·030	0·031

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: [illegible]

Sheet No. [illegible]

D.D.H. No. [illegible]

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	GEOLOGICAL LOG Description	ASSAY RECORD Sample No.	From	Length	Rec.	Cu %	Ni %
					151·0m – 151·38m Thick calcite veining	0445	168·45	·45		0·009	0·013
					in semi-pelitic graphite schist. No	0431	168·90	·28		0·049	0·063
					visible sulphides	0446	169·18	·77		0·017	0·021
					151·38 – 152·60	0432	169·95	·45		0·039	0·061
					152·60 – 153·25 Predominantly calc silicate	0447	170·40	·50		0·003	0·003
					153·25 – 153·45 Noritic gabbro						
					153·45 – 153·75 Calc silicate	0433	176·10	·30		0·024	0·025
					153·75 – 157·27 Xenolithic gabbro						
					157·27 – 164·0 Top of section, fine grained	0448	177·84	·50		0·007	0·007
					graphitic schist with remobilised	0434	178·34	·25		0·019	0·019
					calcareous bands and veining. Gabbro	0449	178·59	·40		0·010	0·012
					more prominent in lower half of section						
					Heavy sulphide mineralisation (10–15%) in						
					graphite gabbro/schist 159·2–·8						
					164·0 – 164·9 – Garnetiferous contam						
					gabbro, with dissem interstitial						
					pyrite and pyrrhotite (10%)						
					164·9 – 165·65 – Fine grained calc silicates						
					& black schist						
					165·65 – 169·25 – Coarse grained – microng						
					gabbro and fine grained norite						
					169·25 – 178·95 – Xenolithic gabbro,						
					patchy sulphide mineralisation						

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DIAMOND DRILL CORE RECORD

Project: E V.L

Sheet No. 9

D.D.H. No. 13 D 2

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersec Angle	Description	Sample No.	From	Length	Rec.			
178.95	1.44	ACID MICRO DEGNATITE			V. Coarse grained quartz-feldspar-biotite rock. Weak foliation (40°) due to alignment of micas. Sharp upper contact (70°).							

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DIAMOND DRILL CORE RECORD

ON MAP

Project: EXPLORATION VENTURES LIMITED

Date Started	27th Sep 72	Collar Coordinates	N 7 52162mE. 61744mN
Date Completed	7th Oct 72	Collar Elevation	
from	0-202.69 m.	Orientation	296° GRID N
from	m.	Recovery	
from	m.	Inclination	45° W
		Corrected	

D.D.H. No.	BD 4
Area	BRODIE CREEK
Length	202.69m
Purpose	Test mag/I.P. anomaly
Logged By	L. A. Crum
Date	20th Oct 1972

METRES From	METRES Represents	GEOLOGICAL LOG Rock Type	Graphic Log	Intersec. Angle	Description	ASSAY RECORD Sample No.	From	Length	Rec.	Cu %	Ni %
0	6.80	OVERBURDEN			0 - 6.80 app - No recovery						
					6.80 - 9.44 - Broken up section of fresh						
					olivine norite - (boulders?). Section also						
					contains fragments of quartzite and						
					granite.						
6.80	33.30	OLIVINE NORITE			Medium - coarse grained olivine-	CS 0545	23.44	2.0		0.022	0.028
		(OLIVINE			orthopyroxene - feldspar rock carrying	0535	25.44	2.0		0.052	0.068
		HYPERSTHENE			accessory biotite. Vague igneous	0546	27.44	2.0		0.005	0.013
		GABBRO)			lamination present locally:-						
				50°	17.26m						
				50°	20.60m						
					Partial and complete serpentin-						
					ization occurs throughout the section						
					with olivines exhibiting light green						
					serpentine alteration rims or else						
					converted wholly to serpentine. Fine						
					grained 2° magnetite may be associated.						
					There is some evidence of pyroxene						
					alteration.						
					Whole section v. broken up						
					due to extensive shearing and the						

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DIAMOND DRILL CORE RECORD

Project: E.V.L.

Sheet No. 2

D.D.H. No. BD4

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.			
					Serpentinization e.g. 13·90–14·30m.							
					Shear planes at all orientations are							
					variously coated with Serpentine, talc,							
					calcite, pyrite, and a black friable							
					oxide-like mineral. Granitic veining							
					occurs locally as infils along shear							
					planes.							
					31·95–32·35m – Narrow section of fine–							
					medium grained melanocratic gabbro							
				70°	Sharp upper contact (70°) with veins							
					ramifying olivine norite.							
					36·10 – – Shale horizon of fine							
					grained biotite hornfels?							
					Mineralisation							
					Minor sulphides average ·5–1%							
					for section and occur as primary							
					interstitial and disseminated pyrrhotite							
					and pyrite with trace chalcopyrite.							
					Disseminated sulphides are locally							
					distributed along the foliation;–							
				50°	14·40m							
				50°	17·95m							
					Pyrite is common as coatings							
					on fracture and shear surfaces.							

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L. Sheet No. 3 D.D.H. No. B D 4

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec	Cu%	Ni%
40.10	12.00	CONTAMINATED									
		GABBRO and			Mixture of hornfelsed semi-pelitic	GS 0547	41.10	2.0		0.020	0.021
		METASEDIMENTS			metasediments (originally mudstones?),	0548	43.10	1.0		0.029	0.030
					but including calc-silicate types and	0549	44.10	1.0		0.029	0.028
					black fine grained graphitic rocks; and						
					noritic gabbro.						
					Narrow sections of relatively						
					uncontaminated gabbro occur. Elsewhere						
					irregular, diffuse patches of gabbro						
					invade predominantly metasedimentary						
					horizons, or conversely xenoliths of						
					partially assimilated country rock						
					occur in a gabbroic matrix. Gabbro/						
					metasedimentary contacts may be						
					transitional or sharp.						
					The igneous element is usually						
					a noritic gabbro, with bronze ortho-						
					pyroxenes frequently altered and						
					containing inclusions. Texture varies from						
					fine grained to micropegmatitic. Locally						
					developments of olivine and leucocratic						
					gabbro occur.						
					Graphite occurs as dissemination,						
					segregations, and coatings on shear surfaces.						
					Detail						
				70°	Sharp [illegible] contact at 70°.						
					Transitional lower contact						

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L.

Sheet No. 4

D.D.H. No. A D 4

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.			
					First 1.0m consists of coarse breccia with angular - sub-angular calc-silicates fragments in a quartz-mica-feldspar matrix.							
					Foliation in metasedimentary horizons is occassionally well preserved.							
					Gabbro/Norite is locally well foliated.							
					Infrequently narrow quartz-feldspar veins							
				70°	- 43.35m							
				20°	- 51.90 m							
					Mineralisation							
					Minor amounts of fine grained disseminated sulphide occurs in metasediments in disseminated graphite commonly associated. Disseminated pyrrhotite with v. narrow sub-massive horizons e.g. m, occurs in medium grained norite. Coarse blebby pyrrhotite with minor chalcopyrite is present in microgranitic norite e.g. 47.13m. Pyrite coating commonly on							

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L.

Sheet No. 5.

D.D.H. No. B.D4

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec	Cu%	Ni%
					Shear and fracture surfaces.						
					Sulphides average 1-1.5% for section.						
52.10	15.65	OLIVINE NORITE			Medium - coarse grained	GS 0550	60.10	2.0		0.050	0.059
		and GABBRO			gabbro, similar to section 6.80 - 40.10 m.	0551	62.10	2.0		0.048	0.052
		with local			Well developed igneous	0552	64.10	2.0		0.041	0.048
		developments of			lamination formed by olivines	0553	66.10	1.65		0.035	0.042
		TROCTOLITIC GABBRO		70°	@ 52.74 m						
				70°	@ 59.40						
					Intensely sheared and serpentinized section 64.6 - 67.6 m, no serpentine oil tals as shear and fracture infills						
					Primary interstitial pyrrhotite						
					and pyrite average 2% app for section.						
67.75	12.35	NORITE			Homogenous, medium-grained,	GS 0554	67.75	2.0		0.050	0.059
					leucocratic, biotite (accessory) norite.	0555	69.75	2.0		0.060	0.070
					Minor & local developments of olivine.	0556	71.75	2.0		0.094	0.110
					Well defined and consistent	0557	73.75	2.0		0.056	0.086
					foliation throughout section;	0558	75.75	2.0		0.018	0.024
				75°	@ 70.0m						
				75°	@ 76.5m						
					Infrequently narrow bands of						
					fine grained metasediment and blebs						
					of graphite.						
					Thin serpentine bands occur						
					on shears.						

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L

Sheet No. 6

D.D.H. No. B 04

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
					Mineralisation				
					Fine grained disseminated Pyrrhotite & Pyrite occurs throughout the section either evenly distributed or along foliation planes. Local v. narrow sub-massive horizon e.g. 73.45m. Narrow sulphide rich zones may occur at mafic/metasedimentary inter-face. Average sulphide content for section 2%. Enriched sections 4-5%.				
80.10	10.90	CONTAMINATED GABBRO and METASEDIMENTS		75°/80°	Many features similar to Section 40.10-52.10m. Sheared graphite coated upper contact at 75/80°. Graphite coatings on shears common. Broken up, serpentinized Section 87.40-88.00m. Style of mineralisation as before, averaging .5-1% sulphide for section				
91.00	2.50	GRANITE/GNEISS		50°	Foliated quartz-biotite feldspar rock. V. feldspathic for much of section. Foliation 50° at 92.15m. Locally pegmatitic. Narrow horizon of mafic and metasediments around 91.5m to contact conforming				

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L

Sheet No. 7

D.D.H. No. B D.4

METRES		GEOLOGICAL LOG				ASSAY RECORD					
From	Represents	Rock Type	Graphic Log	Inclined Angle	Description	Sample No.	From	Length	Rec.	Cu%	Ni%
					with granite/gneiss foliation						
93.50	1.95	CONTAMINATED GABBRO and METASEDIMENTS		90°	Read as sections 40.10 - 52.10m, and 80.10 - 91.00m. Sharp fractured upper contact at 90° with thin veins of granite ramifying calc silicate material at top of sequence.						
95.45	1.22	GRANITE/GNEISS		50°	Similar features to section 91.00 - 93.50m. Foliation - 50° @ 95.71m. Locally pegmatitic with biotite segregations.						
				55°	Sheared upper (55°) contact						
96.66	44.03	CONTAMINATED GABBRO and METASEDIMENTS			Many features as sections 40.10 - 52.10m, and 80.10 - 91.00m. Sections of relatively uncontaminated gabbro common although latter frequently exhibit late stage? alteration.	AS 0536	98.66	1.0		0.051	0.063
					Detail						
				60°	Sheared upper contact at 60° with granite.						
				60°	104.00m - Narrow granite vein in gabbro - 60°						
					104.15m -- " Calcite "						
					113.46m - Short section of calc-silicate breccia in quartz cement.						
					115.50m - Narrow quartz vein						
					116.15m - [illegible] feldspar veining, [illegible] predom-						

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DIAMOND DRILL CORE RECORD

Project: E.V.L. Sheet No. 8. D.D.H. No. B.D.4

METRES From	METRES Represents	Rock Type	Graphic Log	Intersect Angle	Description	Sample No.	From	Length	Rec.	Cu%	Ni%
				60°	mainly 60° to core axis.						
					116·60 – 117·66m – broken up section of						
					serpentinized gabbro with splashes of						
					graphite						
					127·05 – 127·30 – Foliated granite vein						
					127·30 – 128·30 Graphitic rich monte						
				55°	134·82m – Monte well foliated (55°)						
					Mineralisation						
					Style of mineralisation as before						
					(section 40·10 – 52·10m). Sulphides						
					average 1% ≈ for section. Enriched sub-						
					section 160·45 – 160·75m averaging 5%						
					disseminated pyrrhotite and pyrite.						
140·70	1·03	GRANITE/GNEISS			Features similar to section 91·00 –						
					93·50m.						
				75°	Sharp upper contact (75°). Foliation						
				60°	60° @ 141·25m. Sharp lower contact						
				80°	80° – broken up.						
141·73	48·77	CONTAMINATED			Many general and detailed features	BS 0559	159·14	2·0		0·025	0·030
		GABBRO and			similar to sections; 40·10 – 52·10 m	0560	160·45	·30		0·042	0·059
		METASEDIMENTS			80·10 – 91·00 m	0561	160·75	2·0		0·039	0·043
					96·67 – 140·70 m	0562	162·75	2·0		0·026	0·028
					Extensive alteration in monte gabbro						
					from 170·0m app. – 190·50m. Local occurrences						
					of ultrapyroxenite aggregates or clusters						

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L.

Sheet No. 2

D.D.H No. 04

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.			
					e.g 175.5m, in feldspar matrix.							
					Graphite more abundant in this							
					section with narrow horizons of sub-							
					massive graphite locally e.g - 153.7m.							
					Probable fault around 178.10m.							
					178.10 - 178.65 - Sheared and broken up							
					serpentinized section.							
					178.65 - 179.00 - Section consists of serpentine							
					fragments in calcite matrix. Former may							
					show alteration rims to red iddingsite.							
					Lines of calcite crystals also occur in a							
					white powdery calcite matrix.							
					179.00 - 179.12 - Sheared green serpentinite							
					to calcite infills along shears							
					Dominant shear angles in section							
				40°	178.70m							
				50°	179.00m							
				40°	179.05m							
				SS	179.12m							
					Mineralisation							
					Style of mineralisation as before.							
					Average for section 1-1.5% sulphides							
190.50	3.85	GRANITE/GNEISS			Section v. broken up.							
				75°	Foliation @ 194.0m app.							

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DIAMOND DRILL CORE RECORD

Project: EVL.

Sheet No. 10

D.D.H. No. 2.04

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Inclined Angle	Description	Sample No.	From	Length	Rec.			
194.35	1.34	CONTAMINATED			Whole section v broken up							
		GABBRO			with shearing and serpentinization of							
					mafic. High graphite content throughout							
					section.							
					Sulphides average 1% or for							
					section.							
					HOLE ENDS 200.69 m.							

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DIAMOND DRILL CORE RECORD

ON MAP

Project: EXPLORATION VENTURES LIMITED

Drill Hole	I D L.	Collar Co-ordinates	N 57800 E 63681
Date Commenced	9th Oct 72	Collar Elevation	
Date Completed	12th Oct 72	Orientation	296° Grid N.
from	0 – 109.72 m.	Recovery	
from	m.	Inclination	-45°W
from	m.	Corrected	

Drill Hole	BD 5
Area	Rose Rock Prospect
Length	109.72 m.
Purpose	Test I.P./mag anom.
Logged By	L. A. Grunsky
Date	25th Oct, 1972

METRES From	Represents	Rock Type	Graphic Log	Intersec Angle	Description	Sample No.	From	Length	Rec.
0	4.5	OVERBURDEN			Chips & fragments of quartzite, calc-silicate, granite & olivine norite, followed by .2m of buff-brown coloured gouge. A boulder of fresh olivine-biotite norite occurs at the base of overburden.				
4.5	6.35	SERPENTINITE			Broken up section of blackish-green, fine grained & massive serpentine, mottled with diffuse patches of light green serpentine. Specks of magnetite occur distributed throughout the rock. Multiple shear planes occur at all orientations with a sub-// set				
				50/60°	around 10.40m. Fracture & shear surfaces variously coated with talc, steatite & calcite. Pyrite absent.				
10.85	11.10	GRANITE/GNEISS			↳ Broken up section (possibly faulted) of foliated qtz-biotite-plag rock. Extremely feldspathic throughout. Foliation intersection angles variable.				
				45°	@ 15.0m				

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: EVL

Sheet No. 2

D.D.H. No. BD5

METRES		GEOLOGICAL LOG				ASSAY RECORD						
From	Represents	Rock Type	Graphic Log	Intersec Angle	Description	Sample No.	From	Length	Rec.			
				80°	@ 18.08m							
				65°	@ 20.30m							
					Local developments of orthoclase (reddish-orange) e.g. 13.30m.							
					Base of section extensively sheared & fractured, with red and green talc coated shears. A ferruginous gouge enclosing fragments of talc occurs at 21.7–21.94m. Small scale fractures, heavily stained with iron and locally coated with haematite. Jasper also present in this section.							
21.95	1.30	HORNFELS or Chilled NORITE?		50/55°	Pinkish-brown, fine-medium grained homogeneous rock. Vague foliation – 22.45m. Narrow quartz veining at all orientations to core axis is locally contorted. Broken upper contact. Lower contact sharp with Serpentinite at 45°.							
23.25	15.40	SERPENTINITE		45°	Similar to section 4.5–10.85m, textures more variable. Uppermost metre broken up with network of talc and carbonate veins forming shear and fracture infills. Locally sub-// bands or streaks of magnetite are developed in							

Canadian Nickel Co. Mines Limited

DIAMOND DRILL CORE RECORD

Project: EVL | Sheet No. 3 | D.D.H. No. BD5

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.	Cu %	Ni %	
					light green Serpentinite horizons,							
				50°	@ 23.90m							
				50°	@ 24.80m							
				50°	@ 36.00m							
					and may occur in a repetative sequence							
					w dark massive Serpentinite, e.g. around 36.0m.							
					Section not highly sheared or							
					fractured but latter occur at all							
					orientations and may exhibit Compound							
					infilling with zoning. Serpentine, steatite,							
					talc and calcite commonly infill minerals.							
					Pyrite rarely present.							
					27.30 – 27.37m - Short section of hornfels							
					or chilled norite similar to 21.94-23.25m.							
												Cu/...
38.65	3.60	CONTAMINATED			Medium – v coarse grained	BS 0563	38.65	2.35		0.018	0.026	..0
		GRAPHITIC			norite and gabbro. Extensive Serpentinization							
		OLIVINE NORITE/			and talcose alteration. (Talc replacing	0564	41.00	.30		0.115	0.124	0
		GABBRO			interstitial plagioclase around 41.0m).	0538	41.30	2.00		0.059	0.082	0
		(intense Serpent.			Abundant graphite as segregations							
		in Section and			and disseminations							
		~~talcose alteration~~)			41.0m – Xenoliths of graphitic semi-pelitic							
					hornfels.							
					Sulphides as disseminated							
					interstitial and blebs pyrite and pyrrhotite							
					Tenor approx 3% for section, with							
					[illegible] – averaging 7-8% Pyrite							

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: EVL

Sheet No. 4

D.D.H. No.

METRES		GEOLOGICAL LOG				ASSAY RECORD					
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec	Cu %	Ni %
					occurs as fracture and shear infills.						
42.25	1.05	SERPENTINITE			Sheared and broken up						
					section of serpentinite with v. narrow						
				30°/35°	intercalated calcitic bands, - 30/35° at 43.20						
					Minor pyrite associated. Upper and lower						
					graphitic serpentine contact zones.						
43.30	1.45	CONTAMINATED			Medium grained altered	G.S. 0565	43.30	1.45		0.034	0.046
		GRAPHITIC			gabbro with segregations of granular						
		GABBRO/NORITE			graphite						
					Mainly disseminated pyrite						
					to minor pyrrhotite, averaging 2-3%						
					over section.						
					Transitional upper contact.						
					Sheared/fractured contact w. serpentinite						
					at base.						
44.75	2.0m	SERPENTINITE			Greenish-black massive	GS 0539	44.75	2.00		0.003	0.174
					serpentinite with similar features to						
				60°	section 23.25 - 38.65m. Banding at 60°						
					at 45.90m with a set of shears sub.//						
				40°-60°	to banding in section 45.80 - 46.00m						
					Locally, e.g. around 45.2m,						
					blebs of pyrite occur partially altered						
					to haematite and/or limonite (pyrite						
					cores w haematite? alteration rims)						

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD — Project: [illegible] — Sheet No. 5 — D.D.H. No. [illegible]

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.	Cu %	Ni %
					Hair line fractures & shear infills of pyrite, calcite & talc.						
46.75	3.35	CONTAMINATED OLIVINE NORITE/ GABBRO			Similar to section 38.65 – 42.25m, i.e. intensely serpentinized, extensive talcose alteration + minor graphite as segregations. Minor pyrite as disseminations & coatings on shears, averages .5 – 1%.	G.S. 0566	46.75	2.0		0.018	0.025
50.10	53.75	SERPENTINITE		50°/bc	Fine grained massive serpentinite as 23.25 – 38.65m. Set of sub-// fractures with carbonate/talc infills at 53.15m. Transitional upper & lower contacts.						
53.75	20.30	CONTAMINATED OLIVINE GABBRO and NORITE			Medium – coarse grained contaminated gabbro of varying composition; olivine gabbro – uralitised gabbro – norite. Upper section (53.75 – 61.25m) of contaminated graphitic norite/gabbro with graphite as disseminations & segregations reaching >50% by vol locally. Occasional xenoliths & bands of hornfelsed metased, e.g. 59.55m. Sulphide content & distribution varies sympathetically with graphite and occurs as disseminated, blebby & patchy infill pyrite, with subordinate pyrrhotite &	G.S. 0540	53.75	2.00		0.033	0.064
						0567	55.75	2.00		0.056	0.062
						0568	57.75	2.00		0.022	0.031
						0569	59.75	2.00		0.081	0.042
						0570	61.75	2.00		0.012	0.017

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L

Sheet No. 6

D.D.H. No. BD5

METRES From	METRES Represents	Rock Type	Graphic Log	Intersect Angle	Description	ASSAY RECORD Sample No.	From	Length	Rec.
					minor Chalco. Enriched sections average 4%				
					sulphide locally.				
					Relatively uncontaminated gabbros				
					and norites occur in lower part of sequence				
					locally well foliated				
				70/80°	at 67.70m - norite				
				60°	@ 72.30m - olivine gabbro				
				90°	@ 73.70m - "				
					Graphite restricted mainly to shear and				
					fracture surfaces. Sulphide content low occurring				
					as patchy disseminated pyrite + pyrrhotite averaging ·5-1%				
74.05	20.15	SERPENTINITE			Similar features to section				
					23.25-38.65m.				
					Banding, infrequent,				
				45°	@ 81.40m				
				55/60°	@ 91.10m				
					Serpentine, steatite, talc and calcite				
					commonly as fracture and shear infill.				
					Bitten, probably sheared upper contact.				
94.20	1.55	DOLOMITISED			Top of section, v. broken up				
		SERPENTINITE			and sheared serpentinite with inclusions				
					of dolomite, followed by creamish-buff				
					coloured dolomite cut by network of				
					steatite and talc veins.				

Consolidated Fields Limited

DIAMOND DRILL CORE RECORD

Project: [illegible]

Sheet No. 7

D.D.H. No. [illegible]

METRES		GEOLOGICAL LOG				ASSAY RECORD					
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.	Cu %	Ni %
95.75	12.75	SERPENTINITE			Similar to section 74.05 - 94.20m	ES 0541	103.63	2.00		<0.001	0.215
					Sulphides restricted to pyrite on shear						
					& fracture surfaces.						
108.50	1.22.	SERPENTINIZED			Coarse grained to micropegmatitic						
		PYROXENITE			partially serpentinized rock. Relict						
					bronze orthopyroxenes, plates of bronzite,						
					little a little interstitial feldspar in						
					a serpentine matrix. Network of talc						
					coated shears and fractures. Sharp						
					upper contact of 30° at 108.50.						
					No visible sulphides.						
					HOLE ENDS 109.72 metres						

Coordinates: 57444E / 61625 N

International Nickel Fields Limited

DIAMOND DRILL CORE RECORD

ON MAP

Project: EXPLORATION VENTURES LIMITED

Commenced	Sept. 72	Collar Elevation	
Date Completed	19th, Oct, 72	Orientation	116° Grid N.
from	0 - 159.41 m.	Recovery	
from	m.	Inclination	45° E
from	m.	Corrected	

Area	
Length	159.72 m
Purpose	TEST I.P. / MAG ANOMALY
Logged By	L. A. Crump
Date	Nov 3rd, 72

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec Angle	Description	Sample No.	From	Length	Rec.	Cu %	Ni %
0	2.50	OVERBURDEN			Rounded fragments of mainly quartzite						
2.50	45.00	BIOTITE NORITE and GABBRO (± OLIVINE) with sections of intensely URALITISED GABBRO			Heterogenous section of gabbroic rocks. Dominant type is a medium-coarse grained hypersthene-poikilitic rock, containing accessory biotite. Patchy developments of olivine occur, locally grading olivine norite/gabbro - troctolite norite/gabbro, e.g. around 26.0 m. Partial alteration of pyroxenes is widespread, with local short sections of intensely uralitised gabbro, consisting almost wholly of plagioclase and green fibrous ?actinolite and/or tremolite, e.g. 46.25-47.50 m - (adjacent to granite pegmatite). Olivines exhibit variable stages of serpentinization. A prominent primary foliation gives consistent intersection angles throughout;	FS 0571	6.50	2.0			
						0542	10.36	2.0		0.003	0.005
						0543	35.05	2.0		0.004	0.009
				30/90°	≈ 16.25 m						
				30/0°	≈ 15.25 m						

Consolidated [illegible]

DIAMOND DRILL CORE RECORD

Project: E.V.L

Sheet No. [illegible]

D.D.H. No. A 04

METRES From	METRES Represents	GEOLOGICAL LOG Rock Type	Graphic Log	Intersec. Angle	Description	ASSAY RECORD Sample No.	From	Length	Rec.
				70°	@ 22.25m				
				70°	@ 23.05m				
				60°	@ 31.48m				
				75°	@ 38.55m				
					A short section of medium grained leucocratic norite occurs around 15.9m, and exhibits transitional contacts with the main section. A xenolith of graphitic/pyritic hornfels at 28.36m is the only evidence of contamination.				
					Short sections of broken up and sheared gabbro, possibly representing fault zones occur at: 5.30 - 5.90m; 15.30 - 15.75m; 27.50 - 29.60m (Low angle shears dominant)				
					Shearing at frequent intervals and all orientations occurs throughout section and surfaces are variously coated with talc, skatite, serpentine, carbonate & pyrite.				
					Mineralisation - Patchy dissemination & blebs of pyrite and pyrrhotite with traces of chalcopyrite rarely exceed .5% over 2m sections.				
27.50	EOH	GRANITE PEGMATITE			Pegmatitic, biotite-plag rock with minor development of quartz.				

Kimberlites Limited

DIAMOND DRILL CORE RECORD — Project: E K1 — Sheet No. 3 — D.D.H. No. R D 6

METRES From	METRES Represents	GEOLOGICAL LOG Rock Type	Graphic Log	Intersec Angle	Description	ASSAY RECORD Sample No.	From	Length	Rec.	Cu %	Ni %
					Sparse randomly distributed pink garnets.						
					Sharp, oblique vein-like upper & lower						
					contacts.						
48.30	48.05	as section			Major features similar to section	G.S 0572	50.30	2.0			
		2.50-47.50m			2.50-47.50m. An increase in the						
		with OLIVINE			proportion of olivine types occurs with	0544	75.42	2.0		0.005	0.008
		types dominant			frequent gradations into olivine and						
					troctolitic gabbro from around 62.0m.	0573	84.30	2.0			
					Primary foliation variable;						
				45°	@ 72.25m						
				55°	@ 82.35m						
				80°	@ 84.14m						
				45°	@ 88.90m						
					Locally monte microsegmatitic						
					with large subhedral orthopyroxenes						
					and segregations of biotite, e.g. 57.0m.						
					Olivines severely serpentinized						
					locally with alteration to red iddingsite						
					e.g. 82.9, 86.65, & 88.30m. There appears a						
					direct relationship between intensity of						
					shearing and degree of serpentinization.						
					- 82.9m sheared, serpentinized section						
					with thick talc, serp, calcite coatings						
				35°	on shears at 35°						
				40°	- 88.30m - ditto, calcite infils at 40°						
					a broken up, possibly faulted						

DIAMOND DRILL CORE RECORD — Project: E V L — Sheet No. 4 — D.D.H. No.

METRES From	METRES Recoveries	GEOLOGICAL LOG Rock Type	Graphic Log	Intersec. Angle	Description	ASSAY RECORD Sample No.	From	Length	Rec.
					Section occurs around 66·10 – 67·90m.				
					Infrequent feldspatic veining;				
				60°	@ 55·35m				
				75°	@ 79·65m				
				90°	@ 82·40m				
					-51·80m; xenolith of metasediment.				
					Style of mineralisation as @ 50-49·50m averaging 2·5% over section.				
96·35	99·65	PELITIC, SEMI-PELITIC and CALCAREOUS METASEDIMENTS (minor contamination and slight hornfelsing)		53°	Sharp upper contact at 53° into fine grained graphitic/pyritic calc silicate.	G.S. 0574	102·35	1·90	
						0575	104·25	·30	
						0576	104·55	2·00	
					A repetative sequence of pelitic, semi-pelitic and calcareous metasediments exhibiting locally recognizable banding and foliation. The whole section is probably slightly hornfelsed. Minor and local gabbroic contamination occurs.	0577	122·55	2·00	
					Main rock types are pink-greyish-black, fine grained compact rocks, massive or foliated & frequently carrying disseminated graphite, pyrite, and minor pyrrhotite. Creamy-yellow dolomitic & siliceous limestone horizons are subordinate and carry trace amounts only of graphite				

Consolidated

DIAMOND DRILL CORE RECORD

Project: E.V.L.

Sheet No. 4

D.D.H. No. BD6

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
					and sulphides.				
					Rock unit contacts may be				
					conformable, but often calcareous horizons				
					have been remobilized to produce irregular				
					contacts.				
					Foliation intersection angles are				
					variable;				
				30°	@ 98.15m				
				60°	@ 100.70 m				
				25°	@ 105.15m				
				50/55°	@ 108.45m				
				60°	@ 112.90m				
				50°	@ 120.80m				
				40°	@ 124.77m				
					Minor gabbroic contamination				
					occurs in feldspathic; pegmatitic & aplitic				
					veining present may be conformable with				
					or cross-cut the foliation.				
					Honfelting is slight, except				
					possibly for a weakly foliated section,				
					(100.35 – 101.40 app), exhibiting garnet				
					porphyroblasts in a dark granular				
					biotite rich matrix.				
					Shearing occurs at regular				
					intervals throughout the section.				

ASSAY RECORD

Gold Fields Limited

DIAMOND DRILL CORE RECORD — Project: E.V.L. — Sheet No. [illegible] — D.D.H. No. [illegible]

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
					A short section of fault breccia, consisting of calc-silicate fragments in a calcite matrix occurs at 97.5-97.7m, and a possible fault zone occurs around 128.7m.				
					At least 3 generations of hairline fractures are recognizable in some calcareous sections.				
					Mineralisation - Fine grained disseminated pyrite & subordinate pyrrhotite, together with fracture infil & shear coatings of pyrite average approx 1% sulphide over section.				
146.30	13.42	GRANITE/GNEISS			Broken up & fractured section of biotite-feldspar-quartz rock exhibiting gneissose and pegmatitic texture locally. Foliation intersection angles low;				
				30°/35	@ 148.35m				
				25°	@ 154.00m				
					Short schistose section around 147.50m with schistosity // to gneissose foliation.				
					Abundant shear & fracture planes, former frequently coated with serpentine				
					HOLE ENDS 159.72				

ON MAP

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

ON MAP

Project: EXPLORATION VENTURES LIMITED

	I.D.L.	Collar Co-ordinates	61358 61155
Date Started	27th-Oct 72.	Collar Elevation	
Date Completed	31st-Oct 72	Orientation	122° Grid N
from	0 - 133.50 m.	Recovery	98%
from	m.	Inclination	45° SE.
from	m.	Corrected	

Area	[illegible]
Length	133.50 m
Purpose	Test mag/I.P. anomaly
Logged By	L A Crump
Date	Nov 8th 72.

METRES From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec
0	6.20 (app)	OVERBURDEN			Mainly rounded fragments of granitic and quartzitic material.				
6.20	19.70	BIOTITE NORITE (± OLIVINE) (partially weathered)			Medium - V coarse grained noritic gabbro consisting predominantly of plag - orthopyroxene - biotite with patchy developments of olivine. Pyroxenes exhibit variable stages of alteration; olivines similarly serpentinized.				
					Vague, primary foliation with intersection angles high.				
				80°	@ 6.70 m				
				75°	@ 8.30				
				80	@ 14.35				
					Grain size v. coarse - microperg around 17.6m & 25.0m, contacts sharp with normal gabbro.				
					Weathered, broken up section down to 14.0m app. Shear planes at all orientations are coated mainly with serpentine and talc.				
					Mineralisation.				
					Patchy [illegible]				

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: E.V.L.

Sheet No. 2

D.D.H. No. B D 7

METRES		GEOLOGICAL LOG				ASSAY RECORD					
From	Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.		
					Pyrite and pyrrhotite averages <·5% over						
					Section.						
		with									
25·90	6·70	CONTAMINATED			Mixed gabbro (as section 6·20–						
		XENOLITHIC			25·90) of hornfelsed metasediments. Patchy						
		Section			xenolithic rock structure. Gabbro locally						
					well sheared with talc/carbonate veining						
					and abundant segregations and shear						
					infils of pyrite, e.g. . Disseminated						
					pyrite & graphite common in hornfels.						
31·60	5·00	PELITIC, SEMI-			Sequence of mixed banded						
		PELITIC and			(foliated) metasediments and minor gabbroic						
		CALCAREOUS			rocks.						
		METASEDIMENTS			Section dominated by finely						
		(minor contamination			banded to massive, pinkish-grey calc-						
		and hornfelsing)			silicate hornfelses and metamorphosed						
					fine grained graphitic rocks. Subordinate						
					coarse grained calcareous horizons occur						
					within the metasedimentary sequence.						
					Foliation intersection angles						
					are consistent;						
				70°	@ 35·8m						
				65°	@ 56·0m						
				55/60°	@ 69·2m						
				60°	@ 69·65m						
				65°	@ 72·85m						

Project: [illegible] Sheet No. 3 D.D.H. No. [illegible]

METRES		GEOLOGICAL LOG				ASSAY RECORD						
[illegible]	Intervals	Rock Type	Graphic Log	Intersec Angle	Description	Sample No.	From	Length	Rec.			
					Finely banded calc-silicate horizons are frequently contorted & folded (local small scale recumbent folding), while elsewhere calc-silicate fragments may occur as xenoliths in a remobilized quartz-biotite-carbonate matrix. Such xenoliths may be alligned // to the foliation or haphazardly orientated, and contain microfractures with infils of quartz.							
					Narrow bands of gabbroic & feldspathic material (generally a few cms thick) occur throughout the sequence.							
					Shears and fractures occur regularly. Broken up, possibly faulted sections are present at;							
					41.20 - 41.90 m							
					69.5 - 71.2 "							
					78.5 - 79.05 "							
					81.3 - 81.8 "							
					Mineralisation							
					Graphite and sulphide (mainly pyrite) occurs mainly as patchy disseminations but also disseminated along the foliation. A border of graphite and sulphide may occur around calc-silicate xenoliths.							

Gold Fields Limited

DIAMOND DRILL CORE RECORD — Project: E.V.L. — Sheet No. 4

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
					Pyrite is present as fracture & shear infills & occassionally as segregations in narrow (intrusive) quartzo-feldspathic bands. Sulphide av ~ .				
81.6	1.20	LEUCITISED BIOTITE GABBRO			Medium grained leucitised biotite gabbro. Upper and lower contacts broken. Trace disseminated sulphides.				
82.8	98.40	HORNFELSED METASEDIMENTS (minor gabbroic contamination)			Dark greyish-black, fine-medium grained homogeneous hornfels, vague to prominent foliation (probably pre-metamorphic) records consistently high intersection angles;				
				70°	@ 87.70m				
				25/80°	@ 96.80 "				
				75°	@ 110.90 "				
				80°	@ 120.90.				
					Locally, biotite along foliation planes forms a weak schistosity. Occassional cordierite porphyroblasts, but a dominant granoblastic texture. Infrequent, narrow feldspathic and calcareous bands are remobilized, contorted & pinched out into boudinage structures. Narrow bands and lenses of biotite (mostly a few cms thick) occur				

Consolidated Gold Fields Limited

DIAMOND DRILL CORE RECORD

Project: [illegible]

Sheet No. 5

D.D.H. No. [illegible]

METRES From	METRES Represents	Rock Type	Graphic Log	Intersec. Angle	Description	Sample No.	From	Length	Rec.
					at intervals throughout the section, normally // or sub-// to the foliation.				
					Shearing and fracturing is not common.				
					Mixed gabbro & hornfelsed rocks occur at the bottom of the sequence, with a short section of foliated-garnet contaminant at 130.70 – 131.10m.				
					Mineralisation				
					V sparsely disseminated sulphides occur in trace amounts, rarely exceeding .5% except adjacent to upper and lower contacts.				
					The section as a whole is moderately to strongly magnetic.				
131.1	2.40	NORITE			Fine – medium grained mesocratic norite, with .5–1% patchy disseminated pyrite & minor pyrrhotite.				
					HOLE ENDS 133.50 metres.				

BRODIESORD DISTRICT - AF7

Technical Report for the Period 1st January - 31st December, 1973

During the above period geochemical surveys were carried out in this district. Results from previous surveys were assessed and the final report on the Soils Research Project prepared.

1. Geochemical Surveys

1.1. Multi-Element Analyses

Samples of stream sediment material were selected on the basis of one per square kilometres, prepared 40-80 mesh and analysed spectrographically for fifteen elements:- Bi, Co, Cu, Cr, Pb, Mo, Ni, Ag, Sn, W, V, Ti, Zn, Zr, Mn. All samples were also analysed for arsenic content by atomic absorbtion methods. This work formed part of a regional investigation carried out over much of the western side of EVL, its objective being to check for concentrations of unusual elements, or to highlight the presence of possibly significant pathfinder elements. None of obvious economic importance were revealed.

1.2 Metal: Sulphur Ratios

A series of sulphide-bearing samples of basic and ultra basic rocks were collected and analysed for total copper, nickel and sulphur. A suite of representative core samples were similarly treated. The work formed part of a regional survey of copper:sulphur and nickel:sulphur ratios throughout the Aberdeenshire and Banffshire basic complexes. The results obtained gave no encouragement for further work in the Brodiesord district and indicated, in fact, that the Brodiesord gabbros are particularly nickel deficient.

2. Soils Research Project

Statistical studies were undertaken on material previously collected. The data were collated on results written up. The conclusions can be found in the final report submitted October, 1973, which applies to most EVL areas and time periods, including Brodiesord, 1973.

3. Enclosures

None

MINERAL EXPLORATION INCENTIVE SCHEME

APPLICATION

for assistance

1. **Applicant** — Exploration Ventures Limited

   Address — 49 Moorgate, London EC2R 6BQ.

   Telephone No. — 01-606-1020

   Contact — Mr. R.B. Riley or Mr. M.J. Lynch

2. **Project title** — Brodiesord

3. **Applicants' organisation & financial structure**

   Please see this Company's letter dated 6th August, 1971.

4. **Outline of proposed project, including geological considerations** (see plan attached)

   The younger basic mass in this area has been proved by geophysical and bedrock drilling programmes to be a separate body from the main Huntly mass to the south. The area also includes discrete aeromagnetic anomalies in the Cullen and Boyndie areas. The minerals sought are Ni, Cu and related metals.

5. **Work programme and costs of project**

   The programme ahead allows for intensive soil sampling and assaying as part of an investigation into the relationship between the values in the soil and the metal values in the adjacent bedrock. Bedrock and float sampling and assaying will be required to provide the control for evaluating the geochemical results.

   Not less than 4,000 ft. of drilling is anticipated in this area and is allowed for in costing. When circumstances permit drilling, it will be under contract with Drilling and Prospecting International Limited of St. Alban's House, Portland Street, Leamington Spa, Warwickshire. Further detailed induced polarisation and magnetic surveys will define precisely the drilling targets. Further geological investigation will play a large part in the siting and control of the drilling programme generally.

../2

When further drill core becomes available the metallurgical investigations already commenced will continue. The work programme will consist of laboratory-scale mineral processing testwork: grinding, flotation, magnetic separation and ancillary tests; chemical analyses of ores and test products: analyses for Ni, Cu, Fe, S and associated metals; and mineralogical studies of ores and test products: microscopic work and electron-probe micro-analyser studies.

FINANCIAL ASSISTANCE FOR MINERAL EXPLORATION (M.E.I.G.A.)

COMPANY: EXPLORATION VENTURES LTD REF: AE 7
MRD 84/5/3
PROJECT: BRODIESORD MRD 144/5/3

The following Open File material is held by B.G.S. in London, Keyworth and Edinburgh. Available for public inspection from 16.10.80.

- Soils Research project, RHH, 2.2.71

- EVL Soils Research project, summary of results

- EVL summary of metallurgical testwork April 1971 to February 1973

- Extract from application 6.8.71 "outline of proposed project .... geological considerations .... work programme ...." with accompanying plan, 1" : 4 miles

- Geological and technical information from surveys 9.8.71 to 31.12.71. With 8 enclosures:

  1. * Geological field sheets; Portsoy/Sandend area

  2. * Geological field sheets; Boyndie area

  3. §‡ Gradient array IP apparent chargeability results for Craigieford/Butterytack area

  4. §‡ Gradient array IP apparent resistivity results for Craigieford/Butterytack

  5. §‡ Gradient array IP apparent chargeability results for Dykehead/Springwells/Reidstack area

  6. §‡ Gradient array IP apparent resistivity results for Dykehead/Springwells/Reidstack area

  7. §‡ Gradient array IP apparent chargeability results for Newmills of Boyne

  8. §‡ Gradient array IP apparent resistivity results for Newmills of Boyne

- * Report 1.1.72 to 31.12.72. Petrographic Descriptions, Boreholes BD2 to 6

- Geological report 1.1.72 to 31.12.72. With 20 enclosures

  1. Geological: outcrop and float map - Durn Hill area (NJ56SW + 56SE) 1 : 10,560 scale

  2. Geochemical values for copper and nickel in soils - Ladybridge area (NJ66NE + SE) 1 : 10,560 scale

. . . . (continued)

3. Geochemical values for copper and nickel in soils Springwells/ Dykehead farms (NJ56SE) 1 : 10,560 scale

4. Apparent chargeability value in milliseconds - Boyndie reconnaissance survey (NJ 65N, 66S) 1 : 10,560 scale

5. Apparent resistivity values in ohm metres - Boyndie reconnaissance survey (NJ65N, 66S) 1 : 10,560 scale

6. Apparent chargeability values in milliseconds - Glenbarry detailed survey (NJ5455/5555/5655) 1 : 2,500 scale

7. Apparent resistivity values in ohm metres - Glenbarry detailed survey (NJ5455/5555/5655) 1 : 2,500 scale

8. Vertical magnetic intensity values in gammas - Glenbarry detailed survey (NJ5455/5555/5655/5456/5556) 1 : 2,500 scale

9. Apparent chargeability values in milliseconds - Burns detailed survey (NJ5458/5558) 1 : 2,500 scale

10. Apparent resistivity values in ohm metres - Burns detailed survey (NJ5458/5558) 1 : 2,500 scale

11. Vertical magnetic intensity values in gammas - Burns detailed survey (NJ5458/5558) 1 : 2,500 scale

12. Vertical magnetic intensity values in gammas - Begburn detailed survey (NJ5457/5557) 1 : 2,500 scale

13. Borehole location plan (NJ56SE 55NE) BD 1-7

14. §	Borehole	BD1 Muckletown	- Graphic Log		NJ57378mE	58510mN 1 : 500
15. §	"	BD2 Springwells	-	"	"	NJ58150mE 62232mN
16. §	"	BD3 Springwells	-	"	"	NJ58165mE 62016mN
17. §	"	BD4 Dykehead	-	"	"	NJ58162mE 61744mN
18. §	"	BD5 Reidstack	-	"	"	NJ57800mE 62681mN
19. §	"	BD6 Longmuir	-	"	"	NJ57444mE 61625mN
20. §	"	BD7 Butterytack	-	"	"	NJ56458mE 61155mN

- Technical report 1.1.73 - 31.12.73

- * Geophysical core log BD6, 1 : 2,500, February 1973

- * Letter from Rio Finex 4.11.74 enclosing 5 interim reports (see MRD 144/5/16 BELHELVIE)

- §‡ DDH Logs BD1, BD2, BD4, BD5, BD6, BD7

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* Not at Keyworth ‡ Not in London § Not in Edinburgh

AE 7 is related to AE 22

EXPLORATION VENTURES LIMITED

Application for contributions under the Mineral Exploration and Investment Grants Act 1972:
Geological and othe technical information: AE7 Brodiesord.

During the period 9th August - 31st December, 1971, geological and geophysical surveys were undertaken in this area.

1. Geology

Reconnaissance geological mapping was conducted in the Boyndie, Fordyce and Cullen areas with the object of exploring several aeromagnetic anomalies. The coastal sections in the Sandend and Portsoy areas were also critically examined.

2. Geochemistry

In the course of the systematic Cu Ni search of this area a number of drill core samples were analysed for precious metal content. Only minor values were present in the material examined.

3. Geophysics

Induced Polarisation: Scintrex 2.5 kw time domain I.P.equipment was employed on gradient array surveys over magnetically anomalous areas at Craigieford, Butterytack, Springwells, Reidstack and Newmills farms. Traverses were run at 200' intervals and readings taken every 50' along line. This data will assist in drill target selection.

Enclosures

* 1. Geological field sheets; Portsoy/Sandend area. x
* 2. Geological field sheets; Boyndie area. x
3. Gradient array I.P. apparent chargeability results for Craigieford/Butterytack area. x
4. Gradient array I.P. apparent resistivity results for Craigieford/Butterytack. x
5. Gradient array I.P. apparent chargeability results for Dykehead/Springwells/Riedstack area. x
6. Gradient array I.P. apparent resistivity results for Dykehead/Springwells/Reidstack area. x
7. Gradient array I.P. apparent chargeability results for Newmills of Boyne. x
8. Gradient array I.P. apparent resistivity results for Newmills of Boyne. x

* Not at Kempworth.

EXPLORATION VENTURES LIMITED.

APPLICATION FOR CONTRIBUTIONS UNDER THE MINERAL EXPLORATION AND INVESTMENT GRANTS ACT 1972

GEOLOGICAL REPORT : BRODIESORD AE7.

During the period 1st January to 31st December, 1972 geological, geophysical and geochemical investigations were undertaken in the district.

(i) Geology

Further reconnaissance geological mapping took place to the west of the Portsoy basic mass in the vicinity of Durn Hill. Outcrops were examined and the distribution of float types recorded.

Seven scout boreholes were drilled to investigate geophysical and geochemical anomalies. The cores from these were geologically logged and selected portions analysed for copper and nickel content. Only minor amounts of these metals were encountered.

(ii) Geochemistry

Reconnaissance soil sampling on a 1000' x 200' grid covered the Ladybridge Hospital grounds. Samples were analysed for total Cu & Ni content. Only low values were encountered.

Infill soil sampling of the Dykehead-Springwells farms served to define an area of anomalous Cu and Ni values.

(iii) Geophysics

(a) Induced Polarization

Reconnaissance survey employing Scintrex 25 watt time domain equipment with dipole-dipole arrays covered a magnetic anomaly associated with the Boyndie basic mass.

Detailed gradient array surveys using Scintrex 2.5kw time domain equipment further investigated possible drill targets at Burns and Glenbarry.

(b) Ground Magnetometry

Vertical force magnetic surveys on 200' x 50' traverse spacing were read in the Glenbarry, Burns and Begburn areas.

...../2

(iv) Special Projects

(a) Platinum Study

Seven samples from borehole BD2 were analysed for platinum group metals and gold. Only low values were reported.

(b) Petrographic/Metallurgical

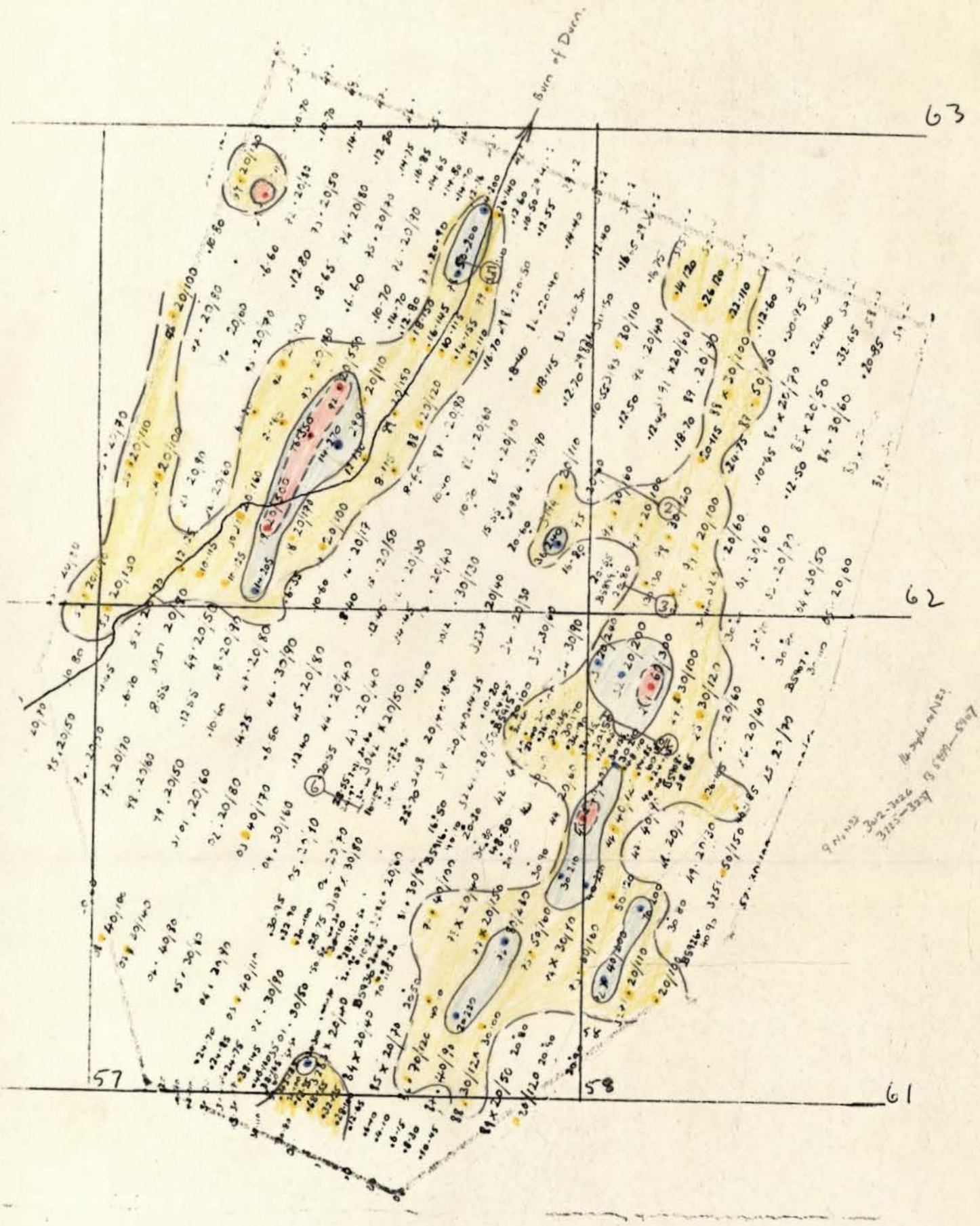
Thin and polished sections of representative drill core specimens were examined and reports prepared.

(c) Soils Research Project

Statistical studies were carried out on materials and results previously collected from the area. Data was collated prior to preparation of the final report.

Enclosures

1.- Geological: outcrop and float map - Durn Hill area (NJ56SW+ 56SE) 1:10,560 scale.
2.- Geochemical values for copper and nickel in soils - Ladybridge area (NJ66NE+SE) 1:10,560 scale.
3.- Geochemical values for copper and nickel in soils Springwells/ Dykehead farms (NJ56SE) 1:10,560 scale.
4.- Apparent chargeability values in milliseconds - Boyndie reconnaissance survey (NJ 65N, 66S) 1:10,560 scale.
5.- Apparent resistivity values in ohm metres - Boyndie reconnaissance survey (NJ65N, 66S) 1:10,560 scale.
6.- Apparent chargeability values in milliseconds - Glenbarry detailed survey (NJ5455/5555/5655.) 1:2,500 scale.
7.- Apparent resistivity values in ohm. metres - Glenbarry detailed survey (NJ5455/5555/5655.) 1:2,500 scale.
8.- Vertical magnetic intensity values in gammas - Glenbarry detailed survey (NJ5455/5555/5655/5456/5556) 1:2,500 scale.
9.- Apparent chargeability values in milliseconds - Burns detailed survey (NJ5458/5558) 1:2,500 scale.
10.- Apparent resistivity values in ohm metres - Burns detailed survey (NJ5458/5558.) 1:2,500 scale.
11.- Vertical magnetic intensity values in gammas - Burns detailed survey (NJ5458/5558) 1:2,500 scale.
12.- Vertical magnetic intensity values in gammas - Begburn detailed survey (NJ5457/5557) 1:2,500 scale.
13.- Borehole location plan (NJ56SE 55NE).
14.- Borehole BD1 Muckletown - Graphic Log NJ57378mE 58510mN
15.- " BD2 Springwells- " " NJ58150mE 62232mN
16.- " BD3 Springwells- " " NJ58165mE 62016mN
17.- " BD4 Dykehead - " " NJ58162mE 61744mN
18.- " BD5 Reidstack - " " NJ57800mE 62681mN
19.- " BD6 Longmuir - " " NJ57444mE 61625mN
20.- " BD7 Butterytack- " " NJ56458mE 61155mN



EXPLORATION VENTURES LIMITED	3 Dwg No
Area: BRODIESORD	
Title: GEOCHEMICAL VALUES FOR Cu & Ni IN SOILS: SPRINGWELLS/DYKEHEAD	
OS Map No: NJ 56 SE	
Scale: 1:10560	Date: MAY 1972
Prepared by: SM	Drawn by: SM

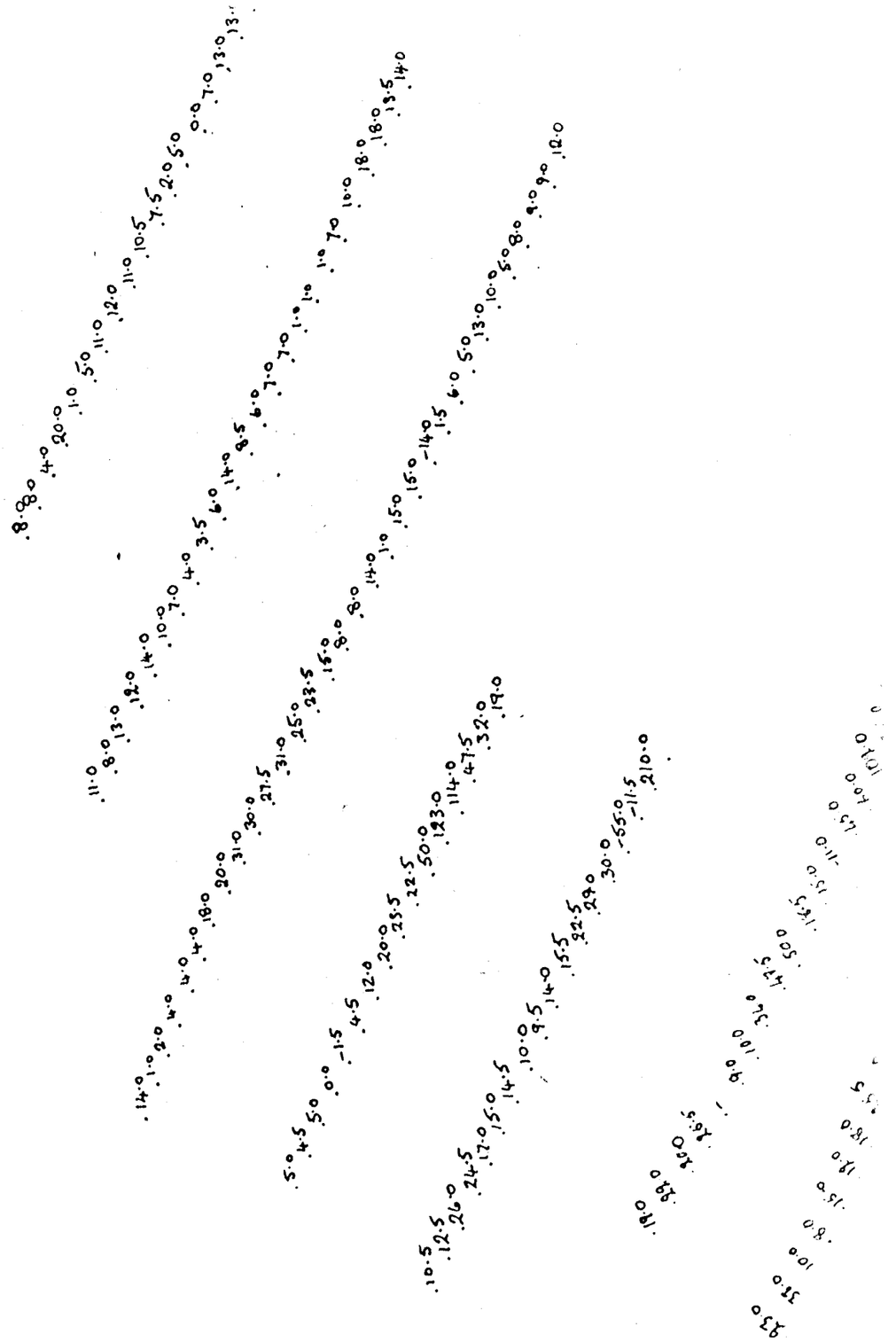
VALUES SHOWN THUS: Cu. Ni. ppm

c. 285 sample points

Ni contours: 100 ppm, 200 ppm, 300 ppm

Contours plotted by RoE

EXPLORATION VENTURES LIMITED	4 Drg. No
Area: BRODIESORD	
Title: APPARENT CHARGEABILITY VALUES IN MILLISECONDS – BOYNDIE AREA	
O.S. Map No: NJ65N, 66S	
Scale: 1:10,560	Date: APRIL 1972
Prepared by: DHQ	Drawn: GFW



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EXPLORATION VENTURES LIMITED	5 Drg. No
Area: BRODIESORD	
Title: APPARENT RESISTIVITY IN OHM METRES - BOYNDIE AREA	
O.S. Map No NJ 65N, 66S	
Scale: 1:10560	Date: APRIL '72
Prepared by: [illegible]	Drawn by: [illegible]

360

LIMITED	5
	Drg No

1CH 1W OHM

MARCH

5

APRIL '72

| | | |

.147 .250 .85 .128 .89 .490 .570 .395 .780 .455 .185 .220 .166 .125 .360 .630 .785 .1300 .1700 .1290 .1000 .590 .740 .560 .310 .290 .460 .410

.145 .250 .670 .40

.68 .53 .83 .130 .100 .270 .360 .390 .690 .460 .460 .550 .690 .460 .100 .290 .360 .590 .280 .255 .210 .130 .160 .180 .285 .590 .450 .580 .770 .880 .520 .840

.430 .480 .280 .300 .350 .235 .390 .100 .160 .365 .290 .490 .330 .230 .130 .110 .170 .475 .1000 .1900 .1800 .1700 .1800

.120 .110 .155 .145 .200 .260 .570 .580 .445 .220 .180 .160 .560 .270 .470

.245 .200 .340 .600 .355 .470 .900 .360 .290 .480 .390 .430 .700 .1840 .75 .220 .18

.365 .400 .480 .310 .240 .355 .485 .247 .415 .415 .1080 .74

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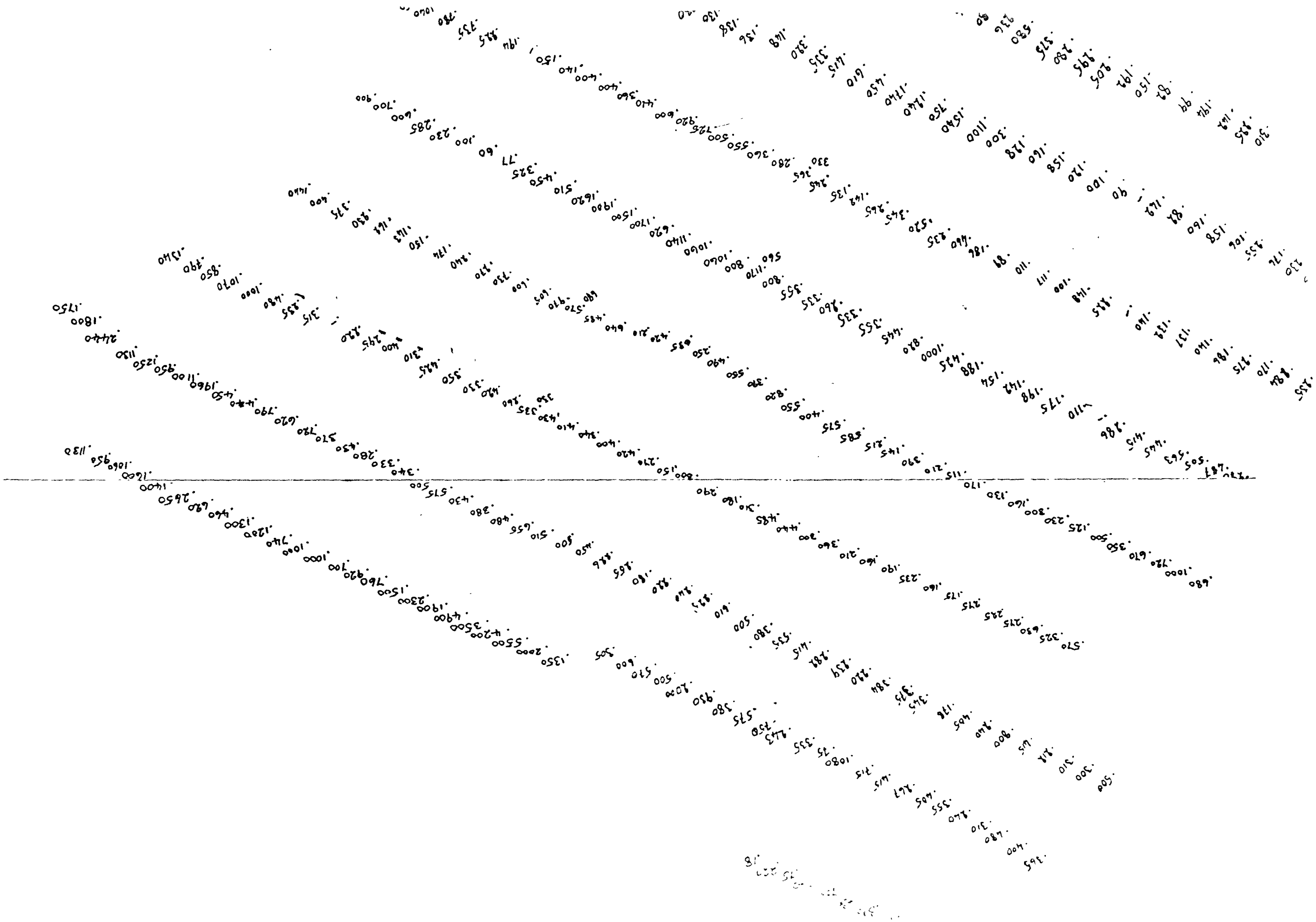


360
650

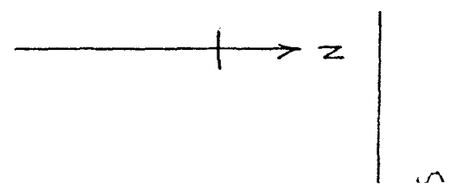
20·0	19·5	20·0	18·0	18·0	19·0	22·5	31·0	43·0
20·5	20·5	24·0	23·0	18·0	18·0	16·0	22·5	81·0
26·0	22·5	16·0	26·0	23·0	18·0	16·5	32·0	48·0
22·0	28·0	30·0	27·0	23·5	16·0	21·5	41·0	42·0
40·0	37·5	39·5	41·0	22·0	33·0	40·5	38·0	52·5
46·0	56·4	41·5	45·0	42·0	41·5		42·0	36·0
43·0	49·5	52·0	56·0			39	40·0	28·0
28·0	44·0	60·0	53·0			31·5	30·0	36·0
35·0	36·5	43·0	35·0			32·5	33·0	38·0
38·0	38·5	39·0	37·0			21·0	26·0	21·5
39·0	41·0	33·0	28·0	22·0			21·0	26·5
40·0	42·0	33·0	24·0	15·5			18·5	17·5
				9·0				
				8·0				
				6·0				
				9·0				
				6·0				
				5·0				
				4·5				
				5·0				
				4·0				

EXPLORATION VENTURES LIMITED	9 Drg. No
BRODIESCRD	
APPARENT CHARGEABILITY VALUES IN MILLISECONDS - BURNS DETAIL SURVEY	
NJ 5658/5558	
1:2500	MAY 1972
DMG	GFW

21·0	–	[illegible]	16·0	20·5	24·0	23·5	26·0
15·5	20·0	18·0	18·0	19·0	22·5	31·0	63·0
20·5	24·0	23·0	18·0	18·0	16·0	22·5	81·0
23·5	16·0	26·0	23·0	18·0	16·5	32·0	68·0
28·0	30·0	27·0	23·5	16·0	21·5	41·0	42·0
37·5	39·5	41·0	22·0	33·0	40·5	38·0	52·5
56·4	41·5	45·0	42·0	41·5		42·0	36·0
49·5	52·0	56·0			39	40·0	28·0
44·0	60·0	53·0			31·5	30·0	36·0
36·5	43·0	35·0			32·5	33·0	38·0
28·5	39·0	37·0			21·0	26·0	21·5
41·0	33·0	28·0	22·0			23·0	26·5
42·0	33·0	26·0	15·5			18·5	17·5
			9·0				
			8·0				
			6·0				
			9·0				
			6·0				
			5·0				
			4·5				
			5·0				
			4·0				
			.				

9

VALUES
DETAIL SURVEY



6·0				
5·0				
6·0				
7·0				
12·0				
5·0				
7·5				
9·0				
11·0				
13·0	11·5	13·0	13·0	21·0
12·0	12·0	13·0	16·5	18·0
13·0	11·0	14·0	16·0	19·5
15·0	12·0	14·5	18·5	18·5
17·0	13·0	15·0	20·0	19·0
13·0	17·0	16·5	18·0	22·0
13·5	13·5	17·5	22·0	18·0
15·0	16·5	18·0	20·0	18·0
16·5	17·0	17·0	22·0	18·0
16·0	16·5	13·0	17·0	16·5
16·0	16·5	18·0	20·0	19·0
16·0	18·0	16·0	19·0	19·0
16·5	17·0	19·0	15·5	19·0
15·0	20·0	18·0	17·0	18·0
11·0	17·5	17·0	21·0	22·5
24·0	18·0	19·0	16·5	25·0
22·0	15·0	19·5	19·0	13·0
26·0	16·5	23·5	21·0	21·0
25·5	18·5	19·0	20·0	18·5
30·5	21·0	18·0	20·0	19·0
39·0	28·0	16·0	21·5	22·0
76·0	23·0	18·0	20·5	20·5
6·0	21·0	19·0	20·0	21·0
2·0	21·0	19·0	17·5	18·0
13·0	20·0	19·0	20·0	12·0
18·0	12·5	17·0	20·0	20·0
18·0	18·5	18·5	19·0	25·0
18·0	20·5	24·0	23·5	26·0
18·0	19·0	22·5	31·0	43·0
18·0	18·0	16·0	22·5	81·0
23·0	18·0	16·5	32·0	48·0
23·5	16·0	21·5	41·0	42·0
22·0	33·0	40·5	38·0	52·5
42·0	41·5		42·0	36·0
		39	40·0	28·0
		31·5	30·0	36·0
		32·5	33·0	38·0
		21·0	26·0	21·5
22·0			21·0	26·5
15·5			18·5	17·5
7·0				
7·0				
6·0				
7·0				
6·0				
5·0				
4·5				

0.07	0.14	0.32	0.26	0.15		
0.39	0.14	0.32	0.28	0.22		
0.38	0.34	0.69	0.32			
0.36	0.34	0.42	0.35			
0.38	0.44	0.40	0.55			
0.43	0.49	0.82	0.75			
0.47	0.44	0.41	0.45	0.42	0.41	
0.50	0.34	0.39	0.14	0.22	0.33	
0.22	0.28	0.30	0.27	0.23	0.16	
0.26	0.23	0.14	0.26	0.23	0.18	
0.25	0.20	0.24	0.25	0.18	0.18	
0.25	0.20	0.18	0.25	0.18	0.19	
0.22	0.21	0.20	0.27	0.18	0.20	
0.22	0.21	0.14	0.25	0.18	0.18	
0.24	0.22	0.18	0.20	0.18	0.12	
0.23	0.17	0.19	0.16	0.13	0.20	
0.22	0.20	0.17	0.18	0.7	0.21	
0.17	0.17	0.19	0.28	-0.6	0.21	
0.23	0.22	0.19	0.27	0.76	0.23	
0.22	0.13	0.19	0.23	0.38	0.28	
0.18	0.18	0.20	0.25	0.30	0.21	
0.16	0.20	0.11	0.23	0.25	0.18	
0.25	0.20	0.16	0.21	0.22	0.15	
0.27	0.18	0.18	0.19	0.22	0.15	
0.26	0.22	0.17	0.25	0.22	0.18	
0.27	0.18	0.18	0.16	0.17	0.17	
0.20	0.20	0.17	0.12	0.15	0.20	
0.22	0.19	0.17	0.21	0.16	0.17	
0.28	0.18	0.16	0.23	0.16	0.18	
0.24	0.16	0.17	0.17	0.16	0.16	
0.22	0.17	0.16	0.17	0.16	0.16	
0.22	0.12	0.12	0.17	0.16	0.16	
0.23	0.12	0.14	0.16	0.16	0.17	
0.27	0.14	0.14	0.16	0.13	0.16	
0.19	0.13	0.13	0.18	0.13	0.13	
0.17	0.16	0.19	0.16	0.13	0.17	
0.18	0.14	0.14	0.16	0.13	0.13	
0.14	0.16	0.14	0.13	0.18	0.12	
0.18	0.16	0.13	0.13	0.13	0.11	
0.17	0.14	0.12	0.13	0.12	0.12	
0.14	0.14	0.12	0.10	0.13	0.11	
0.11						
0.9						
0.9						
0.8						
0.7						
0.6						
0.5						
0.5						
0.6						
0.9						
0.9						
0.8						
0.5						

	[illegible]	[illegible]	·660	·310	[illegible]	·181	·300	·225
·280	·271	·456	·275	·260	·271	·226	·215	·265
·285	·262	·277	·178	·235	·238	·245	·193	·295
·285	·206	·105	·161	·194	·222	·224	·215	·146
·280	·128	·92	·121	·163	·178	·209	·260	·175
·315	·189	·125	·126	·109	·146	·187	·285	·220
·260	·204	·276	·161	·935	·167	·144	·138	·325
·160	·226	·229	·225	·250	·162	·266	·120	·285
·980	·198	·161	·198	·		·539	·156	·255
·205	·268	·165	·375	·		·484	·359	·295
·265	·271	·276	·365	·		·380	·520	·325
·280	·341	·361	·315	·			·505	·305
·275	·416	·307	·415	·141			·360	·255
·400	·239	·204	·265	·210			·330	·330
				·310				
				·280				
				·188				
				·220				
				·150				
				·136				
				·122				
				·104				
				·690				

EXPLORATION VENTURES LIMITED	10 Drg. No
Area: BRODIESORD	
Title: APPARENT RESISTIVITY VALUES IN OHM METRES – BURNS DETAILED SURVEY	
OS Map No: NJ 5458 / 5558	
Scale: 1:2500	Date: MAY 1972
Prepared by: D.H.Q.	Checked by: G.F.W.

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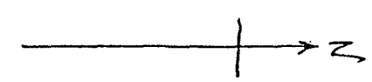
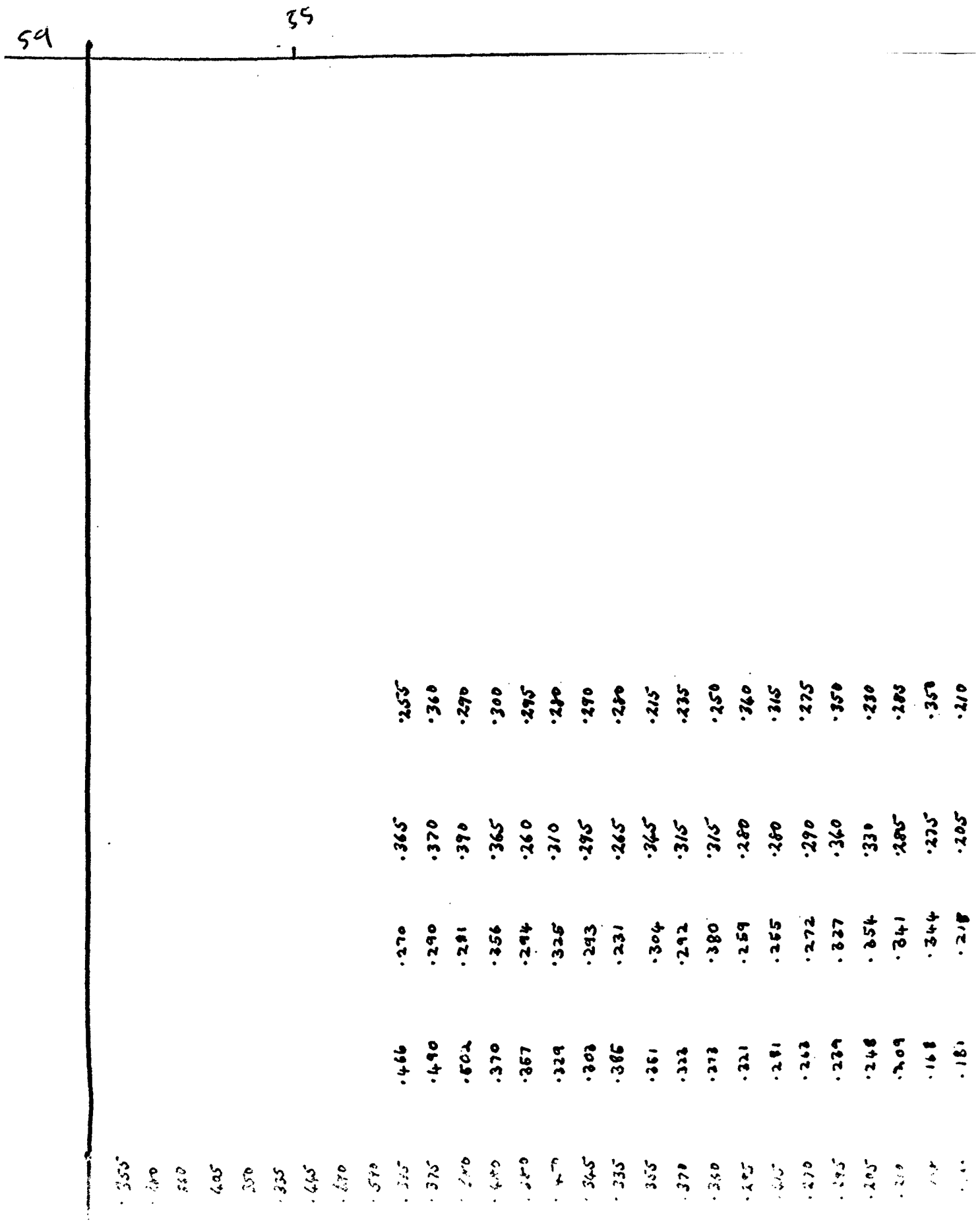
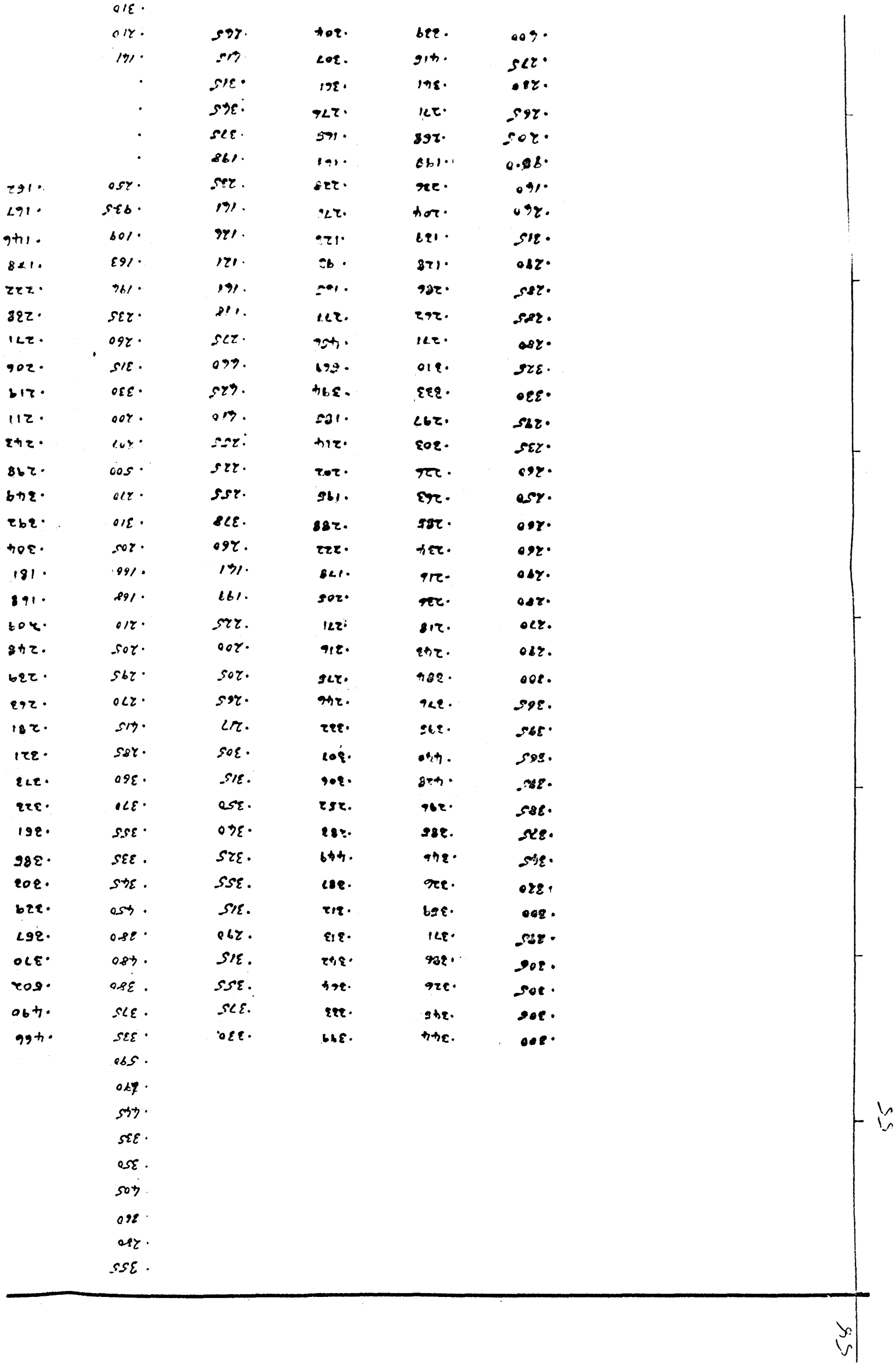
55

.271	.466	.275	.260	.271	.226	.215	.265
.262	.277	.188	.235	.288	.245	.193	.295
.256	.105	.161	.194	.222	.224	.215	.166
.128	.90	.121	.163	.178	.209	.260	.175
.167	.126	.126	.109	.146	.187	.285	.220
.254	.276	.161	.935	.167	.144	.158	.325
.226	.229	.265	.250	.162	.266	.120	.285
.142	.101	.198	.		.539	.156	.255
.268	.165	.375	.		.484	.359	.295
.271	.276	.365	.		.380	.520	.325
.361	.361	.315	.			.505	.305
.415	.307	.415	.141			.360	.255
.229	.204	.265	.210			.330	.330
			.310				
			.280				
			.188				
			.220				
			.150				
			.136				
			.122				
			.106				
			.690				

ITED	10
TY VALUES IN	
DETAILED SURVEY	
1972	
G.F.W.	




59
35



·776	·716	·824	·706	·796	·806	·891	·711	·821
·776	·766	·766	·776	·806	·811	·871	·836	·826
·761	·786	·786	·1171	·796	·666	·861	·841	·791
·761	·776	·826	·911	·791	·816	·896	·746	·776
·796	·856	·836	·816	·686	·741	·821	·801	·801
·801	·246	·826	·816		·511		·816	·776
·806	·616	·766	·796				·791	·746
·806	·761	·791	·796				·776	·786
·806	·776	·811	·836				·816	·766
·791	·786	·801	·811				·801	·801
·826	·806	·776	·796				·801	·816
·811	·821	·756	·766				·806	·806

EXPLORATION VENTURES LIMITED	11 Drg. No.
Area: BRODIESORD	
Title: VERTICAL MAGNETIC INTENSITY VALUES IN GAMMAS – BLANS DETAILED SURVEY	
O.S. Map No NJ5458/5558	
Scale: 1:2500	Date: MAY 1972
Author: DHG	Drawn: GFW

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55

.831	.756	.706	.701	.731	.721		
.816	.766	.721	.726	.696	.726		
.824	.771	.741	.696	.716	.721	.756	
.844	.781	.716	.726	.716	.716	.734	
.856	.791	.691	.721	.736	.731	.781	
.886	.816	.696	.696	.751	.711		
.906	.821	.716	.721	.716	.706		
.936	.806	.751	.706	.751	.816		
.1086	.806	.696	.696	.751	.721		
.1066	.786	.721	.696	.711	.721		
.1176	.1156	.656	.686	.786	.796		
.1066	.786	.691	.676	.681	.701		
.1006	.746	.716	.656	.696	.726		
.866	.736	.696	.711	.716	.681		
.746	.706	.721	.731	.736	.681		
.736	.716	.716	.726	.691	.696		
.736	.721	.691	.721	.736	.721		
.721	.731	.696	.726	.716	.716	.736	
.696	.781	.716	.696	.721	.756		
.756	.731	.696	.721	.716	.696	.746	
.816	.766	.721	.726	.696	.721		
.831	.756	.706	.701	.731	.721		

[illegible]	·721	·726	·686	·746
[illegible]	·746	·681	·721	·741
·721	·756	·696	·746	·651
·716	·736	·756	·701	·676
·736	·791	[illegible]	·826	·676
·751	·911	·946	·806	·726
[illegible]	·906	·916	·791	·706
·751	·816	·841	·776	·681
·711	·771	·716	[illegible]	·686
[illegible]	·696	·726	·681	·666
[illegible]	[illegible]	·666	·656	·766
[illegible]	·1021	[illegible]	·636	·906
·696	·726	[illegible]	·716	·756
[illegible]	[illegible]	·1696	·906	·706
[illegible]	·681	·1256	·1076	·701
[illegible]	[illegible]	[illegible]	·881	·836
[illegible]	[illegible]	·726	·676	·821
[illegible]	[illegible]	·711	·686	·731
[illegible]	[illegible]	·711	·696	·736
[illegible]	[illegible]	·701	·721	·746
[illegible]	·776	·751	·701	·716
[illegible]	·776	·726	·726	·706
[illegible]	·746	·716	·736	·766
·721	·761	[illegible]	·751	·741
·716	·766	·711	·736	·786
·741	·811	·736	·751	·741
·756	·831	·796	·776	·786
·771	·816	·821	·801	·826
[illegible]	·806	·891	·911	·821
[illegible]	[illegible]	·871	·836	·826
[illegible]	·666	·861	·841	·791
·791	·816	·896	·766	[illegible]
·686	·741	·821	·801	·801
	·511		·816	·776
			·791	·746
			·776	·786
			·816	·766
			·801	·801
			·801	·816
			·806	·806

[illegible]	[illegible]	[illegible]	[illegible]	·816	·821	·801	·826
[illegible]	[illegible]	·756	·756	·806	·891	·911	·821
[illegible]	[illegible]	·776	·836	·811	·871	·836	·826
[illegible]	[illegible]	·1171	·796	·666	·861	·841	·791
776	·826	·911	·791	·816	·896	·746	·776
[illegible]	·836	·816	·686	·741	·821	·801	·891
[illegible]	·826	·816		·511		·816	·776
[illegible]	·766	·796				·791	·746
[illegible]	·791	·796				·776	·786
776	·811	·836				·816	·766
786	·801	·811				·801	·891
806	·776	·796				·801	·816
21	·756	·766				·806	·806

11

VALUES
[illegible]

72

z

1.5

9.5

.757	.876	.1010	.1772	.1197	.1062	.1122	.1362	.902	.1022		
.872	.1016	.1320	.1722	.1277	.882	.1482	.922	.942	.1072		
.752	.1346	.1770	.1532	.1137	.1202	.1372	.1212	.1342	.1102		
.777	.1396	.1160	.1072	.1117	.1152	.1262	.1172	.1232	.1232		
.767	.956	.960	.852	.1637	.1222	.1362	.1002	.1302	.1012		
.762	.976	.900	.967	.1537	.1292	.1622	.1082	.1472	.1182	.982	.1052
.792	.876	.1090	.1277	.907	.1122	.1042	.1142	.1412	.1362	.822	.1072
.787	.866	.1020	.927	.1087	.1102	.1062	.1042	.1392	.1512	.732	.1142
.777	.836	.900	.847	.1737	.1382	.1162	.1242	.1252	.1562	.732	.922
.792	.866	.880	.827	.2052	.1262	.1122	.1232	.1012	.1112	.742	.812
.797	.892	.820	.847	.752	.822	.932	.932	.942	.852	.762	.832
.807	.872	.920	.827	.802	.762	.1102	.762	.832	.792	.752	.802
.777	.822	.864	.817	.792	.1262	.862	.762	.812	.772	.732	.807
.781	.872	.884	.827	.782	.742	.782	.742	.792	.772	.712	.792
.777	.842	.854	.841	.782	.732	.772	.762	.762	.742	.682	.742
.782	.842	.868	.817	.732	.722	.792	.762	.732	.722	.692	.767
.787	.762	.854	.831	.732	.702	.962	.732	.792	.742	.702	.742
.782	.762	.874	.792	.732	.742	.892	.722	.782	.722	.692	.762
.772	.812	.844	.782	.812	.742	.752	.712	.712	.752	.622	.782
.782	.822	.844	.742	.832	.872	.742	.732	.682	.872	.672	.742
.772	.822	.784	.812	.752	.762	.762	.722	.722	.762	.712	.762
.792	.832	.844	.732	.742	.742	.722	.802	.802	.622	.712	.922
.787	.792	.874	.762	.772	.732	.832	.902	.932	.682	.712	.892
.787	.722	.904	.772	.742	.742	.992	.792	.732	.712	.962	.992
.797	.762	.884	.802	.752	.782	.712	.782	.732	.1012	.1152	
.787	.722	.804	.722	.732	.762	.692	.1052	.762	.872	.1257	
.787	.792	.884	.732	.742	.772	.752	.902	.782	.772	.1032	
.772	.802	.783	.782	.752	.772	.732	.682	.902	.912	.932	
.752	.792	.888	.772	.742	.762	.742	.1002	.772	.762	.882	
.772	.792	.882	.792	.732	.742	.722	.1324	.692	.762	.1162	.932
.762	.828	.888	.742	.742	.742	.742	.1472	.722	.742	.1612	
.752	.828	.868	.832	.742	.752	.762	.1482	.762	.862	.1312	
.782	.778	.888	.812	.742	.752	.762	.1342	.762	.942	.1212	
.792	.808	.888	.792	.742	.742	.764	.1342	.792	.1072		
.792	.808	.883	.802	.752	.752	.724	.1092	.802	.1062	.822	
.792	.808	.888	.792	.752	.752	.752	.1092	.802	.952	.912	

EXPERIMENTAL VEHICLES LIMITED
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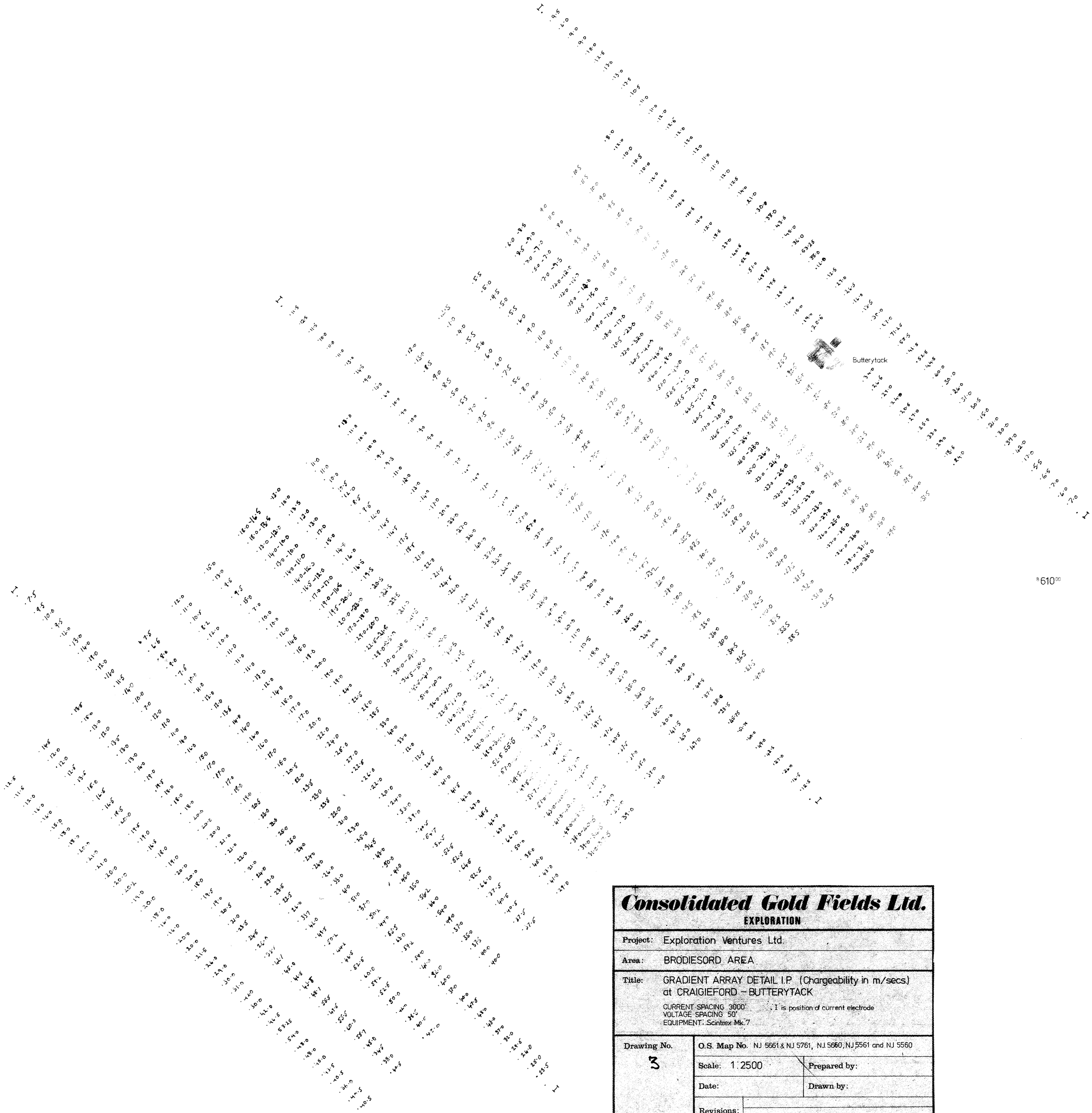
Dig. No
Author Bacon Lesgard
Title Vertical Magnetic Intensity
Values in Gammas - Deg. Quad. Detail
Number N5 5557
Date July 1975

	.1772	.1197	.1062	.1122	.1222	.1362	.902	.1022	.1042	.1262	.1142	.982	.922
	.1722	.1277	.982	.1482	.922	.1412	.942	.1072	.1142	.1172	.1027	.1202	.952
	.1532	.1137	.1202	.1372	.1212	.1232	.1342	.1102	.1112	.1022	.992	.1037	.922
	.1072	.1117	.1152	.1262	.1172	.1242	.1432	.1232	.1192	.1027	.852	.952	.902
	.852	.1637	.1222	.1362	.1002	.1212	.1402	.1012	.1207	.1017	.922	.932	.812
	.967	.1537	.1292	.1522	.1082	.1472	.1182	.982	.1102	.1062	.1002	.902	.792
	.1277	.907	.1122	.1042	.1142	.1412	.1362	.822	.1072	.1192	.1032	.892	.807
	.927	.1087	.1102	.1062	.1042	.1392	.1512	.732	.1142	.1162	.897	.877	.802
	.847	.1737	.1382	.1162	.1242	.1252	.1562	.732	.922	.1082	.832	.862	.767
	.827	.2052	.1262	.1122	.1232	.1012	.1112	.742	.812	.962	.802	.852	.772
	.847	.752	.822	.1132	.982	.992	.852	.762	.832	.892	.792	.822	.772
	.827	.802	.762	.1102	.762	.882	.792	.752	.802	.847	.772	.832	.752
	.857	.742	.1262	.862	.762	.812	.772	.732	.807	.792	.772	.812	.727
	.817	.792	.772	.802	.742	.792	.772	.712	.792	.782	.752	.827	.742
	.827	.782	.742	.782	.742	.792	.752	.692	.742	.792	712	.832	.732
	.841	.782	.732	.772	.762	.762	.742	.682	.767	.772	.692	.832	.742
	.817	.732	.722	.792	.762	.772	.742	.692	.742	.752	.687	.837	.742
	.837	.732	.732	.962	.732	.792	.752	.702	.752	.782	.692	.832	.757
	.792	.732	.702	.892	.722	.782	.722	.692	.757	.752	.712	.802	.837
	.782	.812	.742	.752	.712	.772	.712	.622	.782	.752	.932	.812	.752
	.742	.832	.872	.742	.742	.732	.682	.672	.742	.762	.717	.832	.792
	.812	.752	.762	.782	.842	.722	.602	.712	.762	.762	.687	.857	.782
	.732	.732	.742	.722	.902	.802	.622	.712	.922	.812	.727	.837	.792
	.762	.772	.732	.832	.932	.782	.682	.1002	.892	.912	.832	.822	.822
	.772	.742	.742	.992	.792	.692	.732	.962	.992	.1062	.1092	.822	.792
	.802	.752	.742	.782	.712	.802	.732	.1012	.1132	.1122	.947	.832	.762
	.722	.732	.762	.772	.692	.1052	.762	.822	.1257	.1122	.837	.882	.752
	.782	.732	.772	.752	.642	.902	.782	.772	.1032	.1162	.712	.877	.767
	.772	.742	.752	.732	.682	.1062	.772	.912	.882	.972	.692	.832	.812
	.792	.742	.762	.742	.1002	.602	.762	.1162	.882	.842	.687	.802	.862
	.742	.732	.742	.722	.1322	.692	.792	.1612	.932	.792	.682	.822	.782
	[illegible]	.732	.742	.742	.1472	.722	.862	.1312	.1002	.832	.687	.827	.762
	[illegible]	.742	.752	.762	.1482	.762	.942	.1212	.1932	.812	.642	.882	.757
	[illegible]	.742	.742	.742	.1342	.792	.1072	.842	.1422	.862	.762	.927	.742
	[illegible]	.782	.752	.722	.1092	.802	.1062	.822	.1427	.997	.732	.852	.722

	.862	.864	.817	.742	.712		
[illegible]	.872	.884	.827	.782	.742	.782	[illegible]
.777	.842	.854	.841	.782	.732	.772	.762
.782	.842	.854	.817	.732	.722	.792	.762
.781	.762	.854	.821	.732	.732	.952	.732
.801	.762	.874	.792	.732	.702	.892	.722
.782	.812	.844	.782	.812	.742	.752	.712
.772	.822	.774	.742	.832	.872	.742	.742
.777	.822	.784	.812	.752	.762	.782	.842
.797	.832	.844	.732	.732	.742	.722	.902
.787	.792	.868	.762	.772	.732	.832	.932
.787	.722	.904	.772	.742	.742	.992	.792
.797	.762	.884	.802	.752	.742	.782	.712
.787	.792	.804	.782	.732	.762	.772	.692
.772	.802	.888	.782	.732	.772	.752	.642
.752	.792	.888	.772	.742	.752	.732	.682
.772	.792	.888	.792	.742	.762	.742	.1002
.762	.828	.888	.742	.732	.742	.722	.1322
.752	.828	.888	.832	.732	.742	.742	.1412
.782	.778	.868	.812	.742	.752	.762	.1482
.792	.808	.888	.792	.742	.742	.742	.1342
.791	.808	.888	.802	.752	.752	.722	.1012
.792	.808	.888	.782	.742	.732	.772	.722
.792	.828	.888	.802	.742	.742	.782	.642
.762	.808	.878	.782	.742	.812	.802	.682
.762	.808	.868	.782	.752	.812	.772	.682
.772	.818	.848	.782	.782	.802	.782	.692
.792	.818	.832	.772	.702	.802	.812	.712
.792	.808	.852	.782	.722	.792	.772	.692
.782	.848	.862	.802	.792	.772	.812	.772
.782	.878	.842	.792	.762	.822	.782	.762
.792	.908	.872	.812	.722	.792	.782	.752
.782	.868	.872	.802	.752	.802	.802	.742
.782	.848	.872	.762	.772	.762	.772	.772
.772	.828	.842	.782	.782	.782	.762	.772
.772	.818	.872	.822	.772	.762	.752	.772
.772	.828	.932	.812	.772	.772	.752	.752
.792	.808	.922	.862	.812	.802	.752	.742
.772	.824	.892	.772	.772	.782	.752	.752
.792	.844	.882	.912	.802	.772	.772	.752
.872	.834	.876	.1012	.772	.782	.802	.732
.862	.804	.886	.932	.772	.792	.782	.752
.842	.804	.866	.852	.882	.792	.772	.762
.822	.804	.856	.822	.982	.792	.782	.762
.822	.834	.856	.782	.922	.812	.762	.762
.812	.844	.846	.762	.862	.812	.782	.752
.812	.864	.856	.762	.812	.772	.742	.762
.802	.814	.856	.762	.762	.772	.782	.762
.842	.824	.866	.752	.762	.762	.782	.782
.792	.814	.850	.762	.752	.772	.782	.792
.792	.824	.850	.752	.772	.772	.782	.772
.782	.844	.840	.752	.762	.762	.782	.762
.804	.824	.840	.752	.762	.782	.732	.782
.802	.834	.820	.732	.782	.772	.742	.782
.812	.854	.840	.762	.772	.772	.752	.792
832. 832	.844	.820	.752	.792	.772	.702	.802

		.712	.712	.792	.782	.752	.827	
	.712	.762	.692	.742	.792	.712	.832	.762
	.762	.742	.682	.767	.772	.692	.832	.742
.762	.772	.742	.692	.742	.752	.687	.837	.762
.732	.792	.762	.702	.762	.782	.692	.832	.757
.722	.782	.722	.692	.752	.752	.712	.802	.737
.712	.772	.712	.622	.782	.752	.732	.812	.762
.742	.732	.682	.672	.742	.762	.717	.832	.712
.842	.722	.602	.712	.762	.762	.687	.857	.782
.902	.802	.622	.712	.922	.812	.727	.837	.792
.932	.782	.682	.1002	.882	.912	.832	.822	.822
.792	.642	.732	.962	.942	.1002	.1092	.822	.782
.712	.802	.732	.1012	.1152	.1122	.947	.832	.762
.692	.1052	.762	.822	.1257	.1122	.837	.882	.752
.642	.902	.782	.772	.1032	.1102	.712	.877	.767
.682	.1062	.772	.912	.882	.972	.692	.832	.812
.1002	.602	.762	.1162	.882	.842	.687	.802	.862
.1322	.692	.792	.1612	.932	.792	.692	.822	.782
.1472	.722	.852	.1312	.1002	.832	.687	.827	.762
.1482	.762	.942	.1212	.1932	.812	.642	.882	.757
.1342	.792	.1072	.842	.1422	.862	.762	.927	.742
.1092	.802	.1062	.822	.1427	.997	.732	.852	.722
.722	.802	.852	.812	.1142	.1102	.757	.792	.757
.642	.802	.772	.802	.992	.1102	.802	.762	.762
.682	.822	.772	.762	.892	.1032	.762	.762	.737
.682	.852	.802	.742	.822	.1212	.677	.792	.722
.692	.942	.782	.752	.792	.977	.692	.767	.702
.712	.922	.762	.752	.772	.762	.712	.787	.772
.692	.892	.762	.782	.782	.742	.737	.802	.752
.772	.892	.762	.772	.752	.752	.752	.802	.762
.762	.852	.762	.782	.762	.752	.712	.797	.762
.752	.854	.782	.782	.767	.757	.712	.782	.752
.742	.832	.762	.782	.772	.752	.692	.777	.752
.772	.822	.782	.802	.772	.752	.712	.792	.742
.772	.812	.762	.802	.787	.732	.712	.782	.757
.772	.812	.792	.792	.767	.752	.712	.797	.732
.752	.794	.792	.772	.782	.672	.712	.777	.742
.742	.792	.812	.762	.772	.732	.712	.772	.747
.752	.802	.812	.792	.772	.742	.712	.762	.722
.752	.782	.782	.772	.757	.732	.702	.762	.737
.732	.812	.792	.772	.762	.767	.722	.772	.762
.732	.792	.802	.802	.762	.752	.707	.767	.747
.762	.822	.792	.792	.777	.737	.712	.762	.747
.752	.762	.782	.782	.767	.752	.732	.762	.737
.762	.762	.772	.782	.752	.752	.702	.762	.752
.752	.782	.772	.792	.762	.752	.707	.762	.757
.762	.782	.772	.792	.792	.752	.702	.762	.742
.762	.782		.802	.802	.752	.692	.777	.762
.782	.782		.792	.782	.732	.692	.762	.747
.792	.822		.792	.742	.742	.712	.752	.747
.772	.802		.792	.742	.742	.717	.762	.762
.762	.772		.802	.772	.747	.707	.727	.742
.782	.752		.782	.762	.762	.707	.742	.727
.782	.772		802	.792	.762	.717	.722	.722
.792	.782		792					
.802	.772		802					



Consolidated Gold Fields Ltd.

EXPLORATION

Project:	Exploration Ventures Ltd.
Area:	BRODIESORD AREA
Title:	GRADIENT ARRAY DETAIL I.P (Chargeability in m/secs.) at CRAIGIEFORD – BUTTERYTACK CURRENT SPACING 3000' I is position of current electrode VOLTAGE SPACING 50' EQUIPMENT: Scintrex Mk.7

Drawing No. 3	**O.S. Map No.** NJ 5661 & NJ 5761, NJ 5660, NJ 5561 and NJ 5560	
	Scale: 1:2500	**Prepared by:**
	Date:	**Drawn by:**
	Revisions:	

EXPLORATION VENTURES LTD.

GRAPHIC DRILL LOG

Area: BRODIESORD
Location: Springwells
Orientation: 296° Grid N
Inclination: 45° W
Collar Elev:

Drilled by: Irish Drilling Ltd
Date started: 11-9-1972
Date completed: 19-9-1972
Logged by: L. Crump
O.S. Grid Ref: NJ 58150mE 62232mN

DDH No: BD.2.
Scale: 1:500

Rock Type | Log | Assay Graphic | Assay Record

Intersect Angles | % Sulphides by Volume 0 5 10 15 20 25 | % Cu 1.0 0.8 0.6 0.4 0.2 | % Ni 0 0.2 0.4 0.6 0.8 1.0

0

OVERBURDEN

20 20·30

GRANITE & ACID PEGMATITE ROCKS (probably insitu but possibly exotic) Barren

31·40

CONTAMINATED XENOLITHIC GABBRO
Dissem. and bleby pyrrhotite & pyrite. Avgs. 1-1·5%. Fracture infill and coatings of pyrite. Dissem. to sub-massive graphite.

40

44·70

TROCTOLITE/OLIVINE GABBRO
Minor primary interstitial sulphides (pyrite and pyrrhotite avgs. 0·1 - 0·5%. Locally enrichments to 1·5%

60° 80° 90°

49·25

60

SERPENTINITE (strongly magnetic)
Barren, minor pyrite on shear and fracture surfaces.

80 80·27

65° 50°

TROCTOLITE/OLIVINE GABBRO
Primary interstitial pyrrhotite and pyrite avg. about 0·5%

GRAPHITIC HYPERSTHENE GABBRO
Patchy dissem. and bleby pyrrhotite and pyrite 0·5 - 1%

86·24
88·21

55°

100

TROCTOLITE/OLIVINE GABBRO with patches of URALITISED GABBRO
Primary interstitial sulphides avg. 0·5%. Locally sulphide enriched sub-section reach 3-4%.

55°

120

60°

140

146·40

0435	133·83	134·33	0·50	0·017	0·031
0423	134·33	135·21	0·88	0·062	0·085
0436	135·21	135·87	0·66	0·031	0·046
0424	135·87	137·73	1·86	0·087	0·11
0437	137·73	138·23	0·50	0·019	0·032

160

CONTAMINATED XENOLITHIC GABBRO
Short sections of graphitic gabbro and black schist with sub-massive pyrrhotite minor cpy. and pyrite avg. 10-15%. Norite and contam. gabbro sections frequently carry 2-4% sulphide.

0438	158·72	159·22	0·50	<0·001	0·002
0425	159·22	159·80	0·58	0·067	0·046
0439	159·80	160·10	0·30	0·039	0·025
0426	160·10	160·74	0·64	0·044	0·036
0440	160·74	161·24	0·50	0·025	0·016
0427	162·26	162·60	0·34	0·014	0·012
0441	162·60	162·98	0·38	0·014	0·097
0428	162·98	163·13	0·45	0·034	0·022
0442	163·13	163·95	0·82	0·009	0·005
0429	163·95	164·85	0·90	0·046	0·025
0443	164·85	165·35	0·50	0·019	0·009

* See below for details

0433	176·10	176·40	0·30	0·024	0·025
0448	177·84	178·34	0·50	0·007	0·007
0434	178·34	178·59	0·25	0·018	0·014
0449	178·59	178·99	0·40	0·010	0·012

180

GRANITE MICROPEGMATITE
Barren.

179·95
180 180·44

HOLE ENDS (EXTENDED)

70° 40°

* 0444	167·54	168·14	0·60	0·025	0·024
0430	168·14	168·45	0·31	0·030	0·031
0445	168·45	168·90	0·45	0·009	0·013
0431	168·90	169·18	0·28	0·049	0·063
0446	169·18	169·95	0·77	0·017	0·021
0432	169·95	170·40	0·45	0·039	0·061
0447	170·40	170·90	0·50	0·003	0·003

190

GRANITE-GNEISS
Barren

50-55°

200

~~202·32~~

55-60°

210

OLIVINE NORITE AND TROCTOLITE
Extensively sheared and serpentinised with patchy URALITISED GABBRO.

Disseminations, segregations and fracture and shear infills of PYRITE only. Averaging 0·5% over section.

220

65°-70°

230

240

HOLE ENDS 243·53

EXPLORATION VENTURES LIMITED

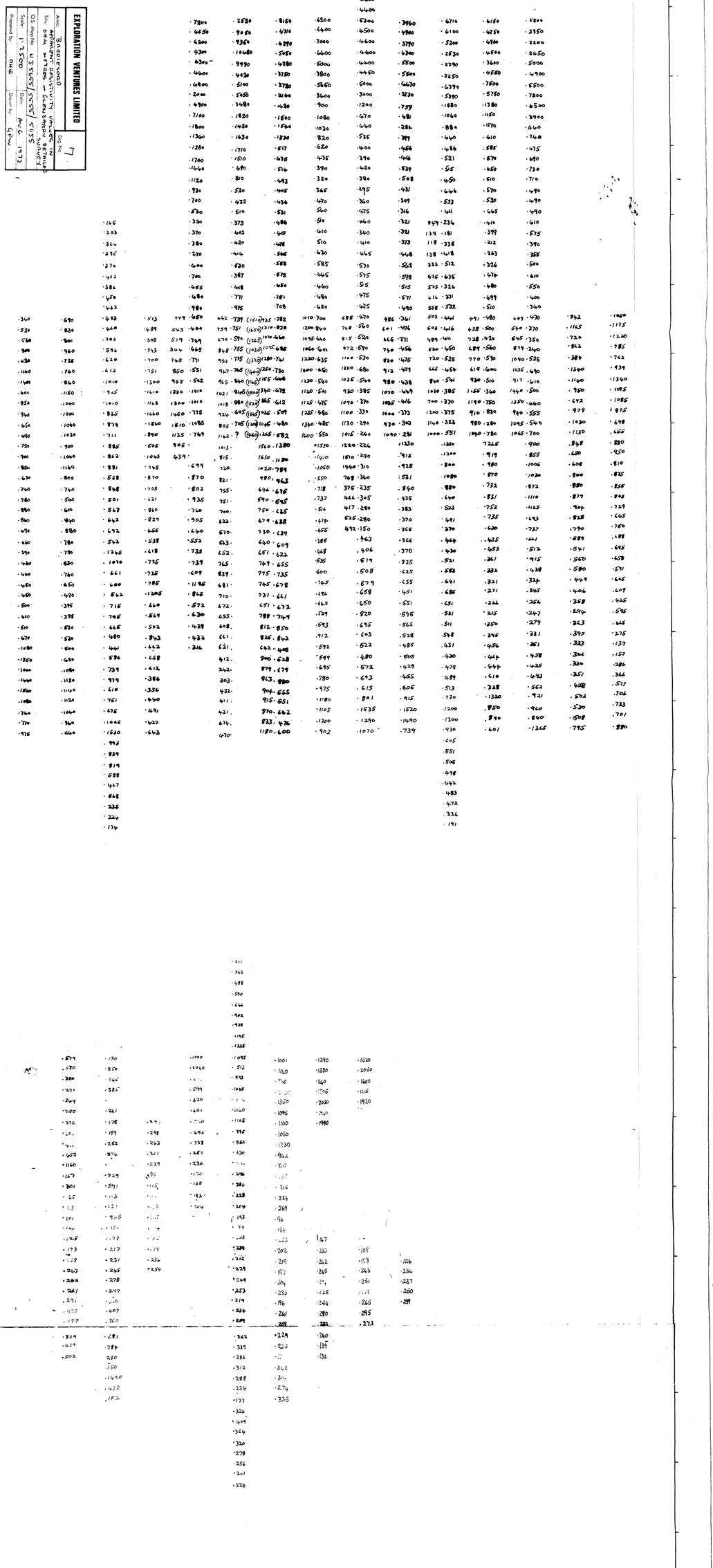
B.C.O.: 250.0.0

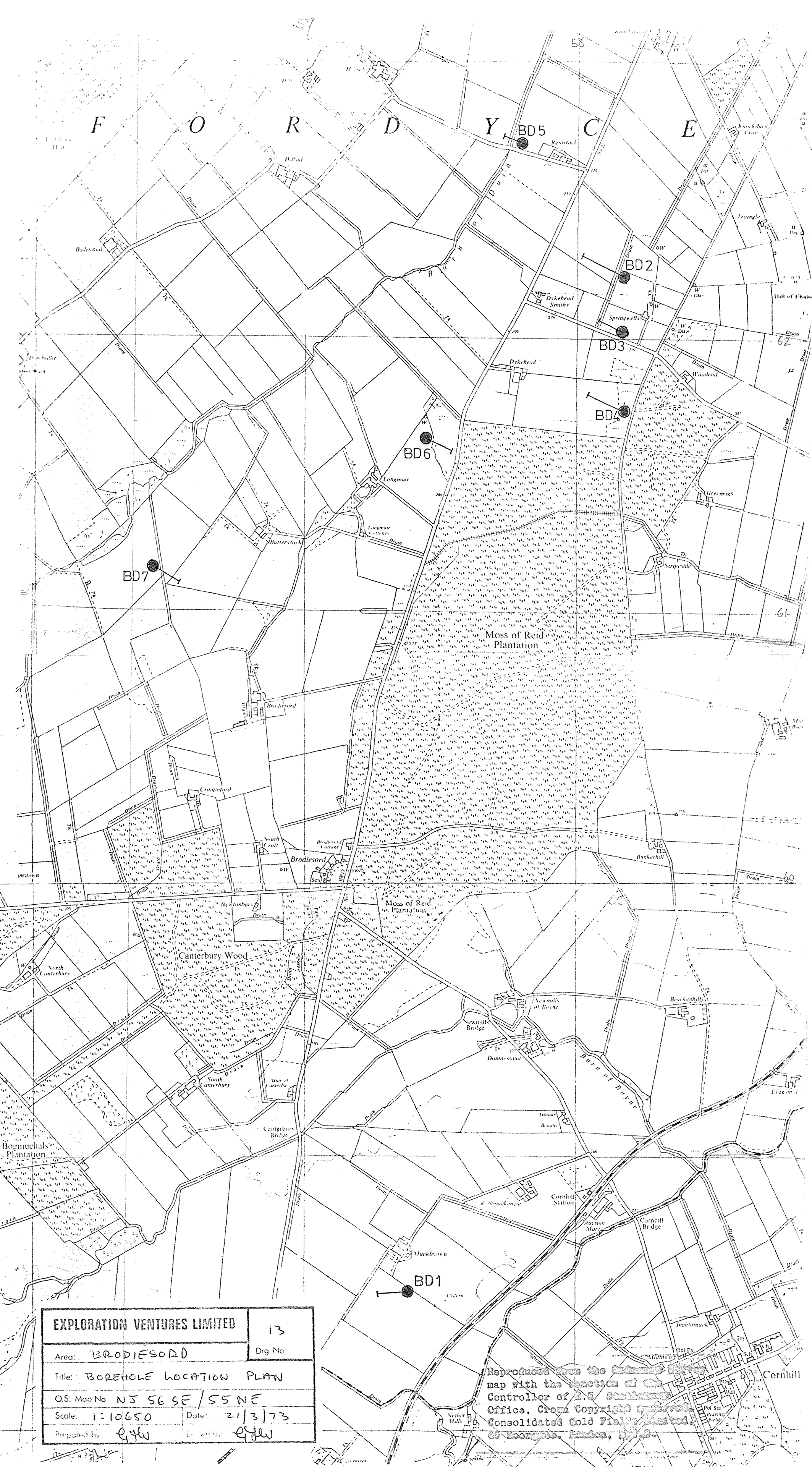
VERTICAL MAGNETIC INTENSITY VALUES IN GAMMAS — GLENBARRY DETAILED SURVEY

N 5 0 5 0 0 0

EXPLORATION VENTURES LIMITED	
Area:	BACOLIES OLD
Dig No.	6
Title:	APPARENT CHARGEABILITY VALUES IN MILLISECONDS - ELEMENTARY SEQUENCE
O.S. Map No.	W.S. 5655/5555/5655
Scale:	1:2500
Date:	MAY 1972
Prepared by:	DHG
Drawn by:	GPW

| | | |


EXPLORATION VENTURES LIMITED
Area: BACOLEYCOLD
Dig No. 7
Title: OHM APPARENT RESISTIVITY VALUES IN (OHMS) METRES - GEOMAGNETIC SURVEY
O.S. Map No. N.S. 5655/5555/5655
Scale: 1:2500
Date: Aug 76
Prepared by: OHM
Drawn by: G.P.O.



EXPLORATION VENTURES LIMITED	13 Drg. No
Area: BRODIESORD	
Title: BOREHOLE LOCATION PLAN	
O.S. Map No NJ 56 SE / 55 NE	
Scale: 1:10650	Date: 21/3/73
Prepared by: GJW	Drawn by: GJW

BOREHOLE LOCATION MAP.

Brodiesord II

EXPLORATION VENTURES LTD.

GRAPHIC DRILL LOG

Area BRODIESORD
Location LONGMUIR
Orientation 116° Grid North
Inclination 45° East
Collar Elev

Drilled by IRISH DRILLING LTD.
Date started 14th Oct 1972
Date completed 18 th Oct. 1972
Logged by L. Crump.
C S Grid Ref NJ 5744mE 61625mN

D D H No B.D. 6.
Scale 1:500

Rock Type | Log | Assay Graphic | Assay Record

INTERSECTION ANGLES | SULPHIDES

OVERBURDEN.

2·50

BIOTITE NORITE & GABBRO (± OLIVINE) with sections of laterally URALITIZED GABBRO
Minor amounts of primary dissem. interstitial and bleby pyrite and Pyrrhotite avg < ·5% for section.

GRANITE PEGMATITE (Barren)

47·50
48·30

Similar to section 2·50 – 47·50 with OLIVINE types dominant; including local developments of TROCTOLITE (serpentinized)
Style of mineralisation as section 2·50 – 47·50m, averaging < ·5% for section.

96·35

SEMI-PELITIC and CALCAREOUS HORNFELSED METASEDIMENTS (Locally graphitic with subordinate CONTAMINATED GABBRO
Fine grained dissem. sulphides (predominantly pyrite), with pyrite coatings on fracture and shear surfaces. Sulphides avg. 1% approx., for section.

146·30

GRANITE/GNEISS Barren.

HOLE END. 159·41

Sample No	From m	To m	Rec m	%Cu	%Ni
0571	6·50	8·50	2·00	0·004	0·008
0542	10·36	12·36	2·00	0·003	0·005
0543	35·05	37·05	2·00	0·004	0·009
0572	50·30	52·30	2·00	0·007	0·014
0544	75·42	77·42	2·00	0·005	0·008
0573	84·30	86·30	2·00	0·008	0·007
0574	102·35	104·25	1·90	0·002	0·007
0576	104·55	106·55	2·00	0·007	0·005
0577	122·55	124·55	2·00	0·004	0·005

GRAPHIC DRILL LOG

BRODIESORD
Butterylack
Orientation 132 Grid N.
Inclination 45 S
Collar Elev

I.D.L.
27 Oct 1972
31 Oct 1972
L.A.Crump
NJ 56458 61155

1:500

Rock Type | Log | Assay | Graphic

Sample No	From	To	Rec m	%Cu	%Ni
0581	16·20	18·20	2·00	0·004	0·004
0582	43·60	45·60	2·00	0·08	0·013
0583	93·60	95·60	2·00	0·01	0·007

OVERBURDEN.

BIOTITE NORITE with olivine, uralitised throughout.
Patchy disseminated and blebby pyrite and pyrrhotite averaging less than 0·5%

6·20
80° fol.
75° fol.
80° fol.

CONTAMINATED XENOLITHIC SECTION.
Minor disseminated graphite

25·90
31·60
70° fol.

PELITIC, SEMI-PELITIC AND CALCAREOUS METASEDIMENTS.
Minor contamination and hornfelsing

Patchy fine grained disseminated sulphides (mainly pyrite) and fracture/shear coatings of pyrite average 0·5–1·0%

65° fol.
60° fol.
60° fol.
65° fol.

UNLITISED BIOTITE GABBRO.
81·60
82·80

HORNFELSED METASEDIMENTS.
70° fol.

Minor gabbroic contamination section - moderately to strongly magnetic
Very sparsely disseminated sulphides less than 0·5% sulphides

75° fol.
80° fol.

NORITE with 0·5–1·0% disseminated pyrite & pyrrhotite.
131·10
133·50

10m. 20 30 40 50 60 70 80 90 100 110 120 130 140 150m.

-100ft -200ft -300ft -400ft -438ft -500ft

14 → 20

Boreholes

BD1 → BD7.

LOG.
BD7.

FIG. 16

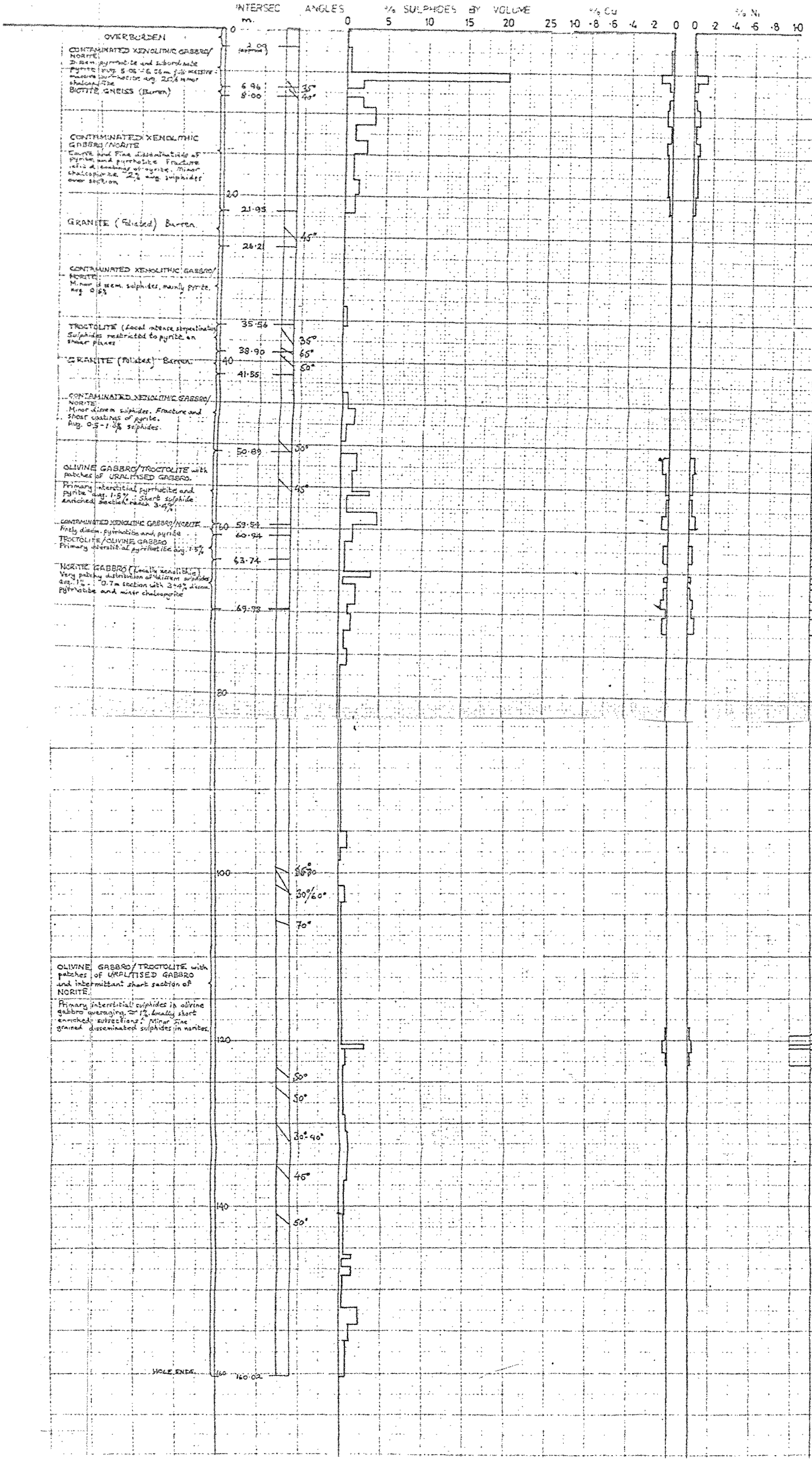
EXPLORATION VENTURES LTD.
GRAPHIC DRILL LOG

Area	BRODIESORD	Drilled by	IRISH DRILLING COY. Ltd
Location	SPRINGWELLS	Date started	20th Sept. 1972
Orientation	236° Grid N	Date completed	27th Sept 1972
Inclination	45° West	Logged by	L Crump
Collar Elev.		O S Grid Ref	NJ 58165mE 62015mN

D.D.H. No. B.D. 3

Scale 1 : 500

Rock Type | Log | Assay Graphic



Assay Record

Sample No	From m	To m	Rep m	% Cu	% Ni
0501	2.10	5.06	3.00	0.018	0.019
0502	5.06	6.06	1.00	0.115	0.128
0503	6.06	8.06	0.50	0.035	0.030
0503B	6.06	8.00	0.01	0.001	0.001
0504	8.00	9.25	1.25	0.023	0.018
0505	9.25	11.25	2.00	0.058	0.051
0506	11.25	13.25	2.00	0.017	0.016
0507	13.25	14.65	1.40	0.058	0.046
0508	14.65	17.65	3.00	0.035	0.031
0509	17.65	19.65	2.00	0.041	0.033
0510	19.65	21.95	2.30	0.023	0.021
0511	50.89	52.89	2.00	0.040	0.046
0512	52.89	55.44	2.55	0.028	0.034
0513	55.44	56.04	0.50	[illegible]	[illegible]
0514	56.04	58.04	2.00	0.020	0.026
0515	58.04	59.54	1.50	0.051	0.059
0516	59.54	60.94	1.40	0.012	0.012
0517	60.94	62.94	2.00	0.034	0.044
0518	62.94	63.24	0.30	[illegible]	[illegible]
0519	63.74	65.24	1.50	0.010	0.010
0520	63.24	63.74	0.50	[illegible]	[illegible]
0521	63.74	65.24	1.50	[illegible]	[illegible]
0522	65.65	69.15	1.50	0.027	0.022
0522A	69.15	69.15	1.00	0.045	0.148
0523	69.15	70.15	1.00	0.025	0.030
0524	70.15	72.15	2.00	0.039	0.050
0525	119.40	120.50	1.10	0.003	0.018
0526	120.50	121.00	0.50	0.040	0.040
0527	121.00	123.00	2.00	0.012	0.017

FIG. 17

EXPLORATION VENTURES LTD.
GRAPHIC DRILL LOG

Area BRODIESCRD	Drilled by IRISH DRILLING Ltd	D.D.H. No. B.D. 4
Location DYKEHEAD	Date started 29th Sept 1972	Scale 1 : 500.
Orientation 296° Grid North	Date completed 7th Oct. 1972	
Inclination 45° W	Logged by L. Crump.	
Collar Elev.	O.S Grid Ref NJ 58162mE 61744mN	

Rock Type

OVERBURDEN — 6.80

OLIVINE NORITE (olivine hypersthene gabbro)
Primary, interstitial and disseminated pyrrhotite and pyrite with trace chalcopyrite averaging 0.5-1.0% for section. Pyrite coatings commonly on fracture and shear surfaces.

CONTAMINATED GABBRO AND METASEDIMENTS
Minor amounts of fine grained disseminated sulphides assoc. with graphite in metaseds. Disseminated and bleby pyrrhotite and pyrite with local narrow, sub massive horizons in noritic gabbro 1-1.5% — 40.10 — 52.10

OLIVINE NORITE & GABBRO with local developments of TROCTOLITIC GABBRO
Primary interstitial pyrite and pyrrhotite averaging 2% over section. — 67.75

NORITE
Evenly distributed fine-grained disseminated and interstitial pyrrhotite and pyrite averaging 2%+ for section. Enriched sub-sections reach 5% — 80.10

CONTAMINATED GABBRO and METASEDIMENTS.
Style of mineralisation similar to section 40.10 to 52.10m. Sulphides average 0.5-1.0% — 91.00

GRANITE GNEISS (Barren) — 93.50

* CONTAMINATED GABBRO & METASED. — 95.45

GRANITE GNEISS (Barren) — 96.66

* CONTAMINATED GABBRO AND METASEDIMENT.

* See comment for section 40.10m to 52.10m.

GRANITE GNEISS — 140.70, 141.73

* CONTAMINATED GABBRO And METASEDIMENT.

GRANITE GNEISS — 190.50, 194.35

* CONTAMINATED GABBRO AND METASEDIMENT.

* See comment for section 40.10m to 52.10m.

GRANITE GNEISS — 140.70, 141.73

* CONTAMINATED GABBRO And METASEDIMENT.

GRANITE GNEISS — 190.50, 194.35

CONTAMINATED GABBRO AND NORITE
Disseminated and bleby pyrite and pyrrhotite 1% over section. — 202.69

Log — INTERSEC ANGLES

Assay Graphic — % SULPHIDES BY VOLUME (5, 10, 15, 20, 25); % Cu; % Ni; depth 10–200

Assay Record

Sample No	From m	To m	Res m	% Cu	% Ni
0545	23.44	25.44	2.00	0.022	0.039
0546	25.44	27.44	2.00	0.052	0.068
0547	27.44	29.44	2.00	0.005	0.013
0547	41.10	43.10	2.00	0.020	0.021
0548	43.10	44.10	1.00	0.029	0.030
0549	44.10	45.10	1.00	0.070	0.028
0550	60.10	62.10	2.00	0.050	0.059
0551	62.10	64.10	2.00	0.048	0.052
0552	64.10	66.10	2.00	0.041	0.048
0553	66.10	67.75	1.65	0.035	0.042
0554	67.75	69.75	2.00	0.050	0.059
0555	69.75	71.75	2.00	0.060	0.070
0556	71.75	73.75	2.00	0.094	0.110
0557	73.75	75.75	2.00	0.056	0.084
0558	75.75	77.75	2.00	0.018	0.024
0536	98.66	99.66	1.00	0.051	0.063
0559	159.14	160.45	1.31	0.025	0.030
0560	160.45	160.75	0.30	0.048	0.059
0561	160.75	162.75	2.00	0.039	0.043
0562	162.75	164.75	2.00	0.026	0.028

FIG. 18

EXPLORATION VENTURES LTD.
GRAPHIC DRILL LOG

Area BRODIESORD
Location REIDSTACK
Orientation 296°
Inclination 45° W
Co. or Elev

Drilled by IRISH DRILLING COY
Date started 9th Oct. 1972
Date completed 12th Oct. 1972
Logged by L. Crump.
O.S. Grid Ref NJ 57800mE 62681mN

D.D.H. No. BD 5
Scale 1:500

Rock Type | Log | Assay | Graphic | Assay Record

INTERSEC ANGLES — % SULPHIDES BY VOLUME (5, 10, 15, 20, 25) — % Cu — % Ni

0 m.

OVERBURDEN — 4·50

SERPENTINITE
No visible sulphides — 10·85 — 60°

GRANITE/GNEISS
(Highly fractured and sheared)
Barren. — 45° — 80°

20

HORNFELS or FINE GRAINED NORITE
No visible sulphides. — 21·95 — 23·25 — 65° — 50°-55° — 45° — 50° — 60°

SERPENTINITE
Minor pyrite as coatings on shear and fracture surfaces. — 50°

CONTAMINATED OLIVINE GABBRO and NORITE. (Intensely serpentinized with talcose alteration. Abundant graphite) See * — 38·65

40

SERPENTINITE (Intercalated calcite bands) Minor pyrite. — 42·25 — 43·30 — 30°-35°

CONTAMINATED GABBRO & NORITE (Graphitic) SEE ** — 44·75

SERPENTINITE See *** — 46·75 — 60°

CONTAMINATED OLIVINE NORITE & GABBRO. (Intensely serpentinized with talcose alteration. Minor graphite) SEE ****

SERPENTINITE (Pyrite coatings along fracture and shear surfaces locally) — 50·10 — 53·75 — 50°-60°

60

CONTAMINATED OLIVINE GABBRO and NORITE. (Highly graphitic locally)
Upper section (53·75 – 61·75m approx) v. graphitic avg. 3% sulphide (pyrrhotite and pyrite)
Lower section relatively uncontaminated with minor dissem. sulphides avg. 0·5 – 1%

60° — 70°-80°

74·05 — 65° — 55° — 85°

80

SERPENTINITE
Pyrite infrequently as coatings on shear and fracture surfaces.

DOLOMITIZED SERPENTINITE
No visible sulphides — 94·20 — 95·75

100

SERPENTINITE
Pyrite infrequently as coatings on shear and fracture surfaces

SERPENTINIZED PYROXENITE
No visible sulphides — 108·50 — 109·72

HOLE ENDS

Sample No	From m	To m	Rec m	% Cu	% Ni
0563	38·65	41·00	2·35	0·018	0·026
0564	41·00	41·30	0·30	0·115	0·126
0538	41·30	43·30	2·00	0·059	0·082
0565	43·30	44·75	1·45	0·034	0·046
0539	44·75	46·75	2·00	0·003	0·176
0566	46·75	48·75	2·00	0·018	0·025
0540	53·75	55·75	2·00	0·033	0·064
0567	55·75	57·75	2·00	0·056	0·062
0568	57·75	59·75	2·00	0·022	0·031
0569	59·75	61·75	2·00	0·031	0·042
0570	61·75	63·75	2·00	0·012	0·017
0541	103·63	105·63	2·00	<0·001	0·215

* Interstitial dissem. and bleby pyrite and pyrrhotite with pyrite additions as fracture and shear infills 41·00 – 42·25 m. avg. 7–8% sulphide

** Mineralisation similar to section 38·65 – 42·25 m. Section avgs. 2–3% sulphides.

*** Locally blebs of pyrite, partially altered to haematite. Pyrite present as sheer and fracture infills.

**** Mainly dissem. pyrite avg. approx. 1%.

NB. All Serpentinites strongly magnetic.

EXPLORATION VENTURES LTD

GRAPHIC DRILL LOG

Area BRODIESORD
Location MUCKLETOWN
Orientation 264°
Inclination 45°
Collar Elev

Drilled by IRISH DRILLING COY.
Date started 15-8-1972
Date completed 28-8-1972
Logged by L CRUMP
O S Grid Ref NJ 57378mE 58510m N

D.D.H. No. BD 1
Scale 1:500

Rock Type	Log		Assay	Graphic	Assay Record
	INTERSEC	ANGLES	% SULPHIDES BY VOLUME	% Cu	% Ni

0

OVERBURDEN

6·09

20

45°

60°

40

60

SERPENTINITE

Variable but high magnetite content. V. occasionally specks of sulphite noted.

80

100

60°

120

133·39 — 30°-40°

40°-50°

PELITIC METASEDIMENTS

2-3% finely disseminated sulphide pyrrhotite and pyrite distributed along foliation. Smeared pyrite as coating on fractures and shear planes.

140

TALCOSE BASIC ROCK. Veinlets and stringers of pyrite common. Minor sulphides disseminated (0.5-1%)

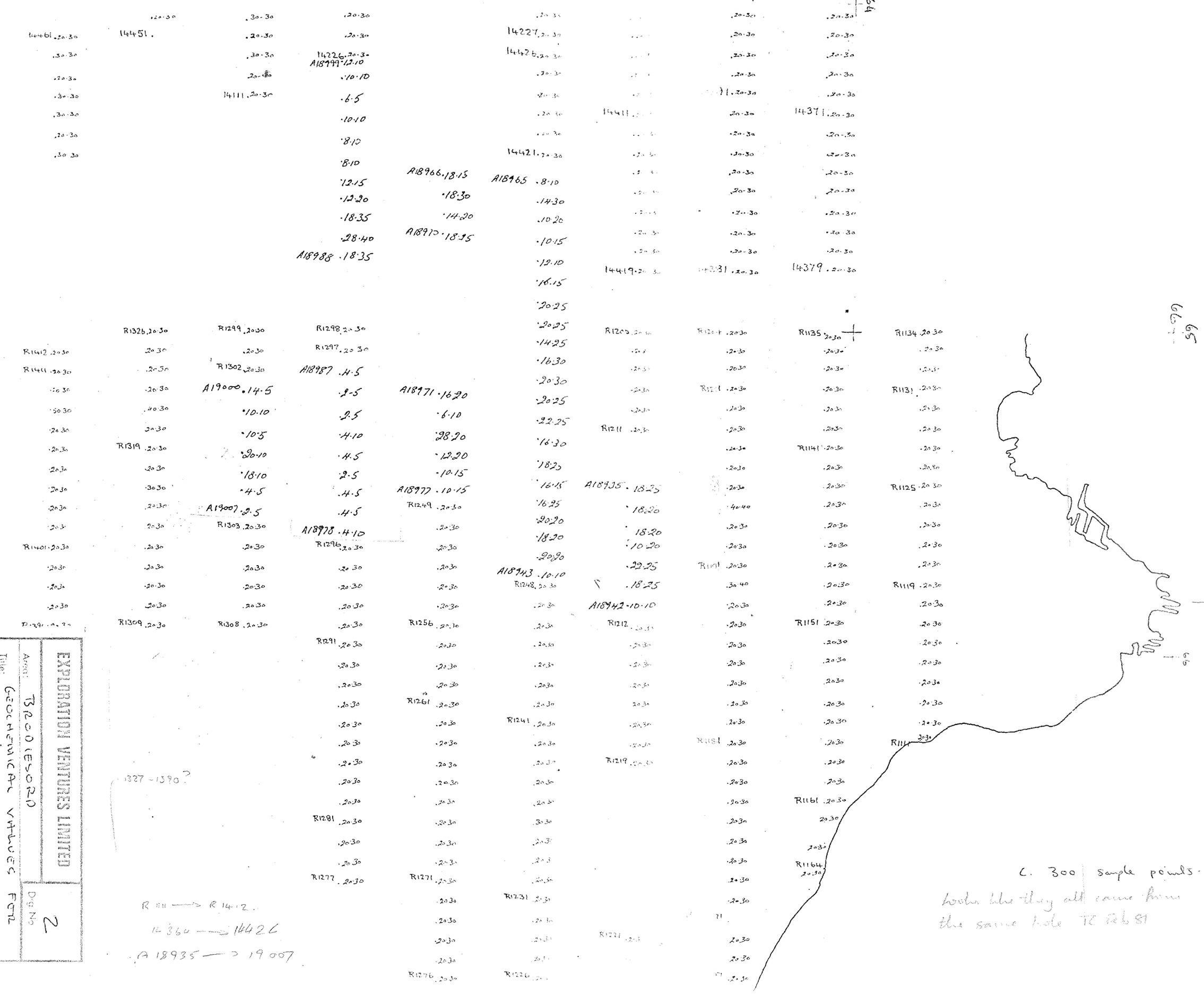
142·20

143·87

145·70 — 40°

PELITIC METASEDIMENTS

Minor (0.5-1%) disseminated sulphides locally in section


14461 .20.30
14451 .
14226 .20.30
A18999 .12.10
14111 .20.30
14227 .20.30
14426 .20.30
14411
14371 .20.30
14421 .20.30
A18966 .18.15
A18965 .8.10
A18970 .18.35
A18988 .18.35
14419 .20.30
14379 .20.30
R1326 .20.30
R1299 .20.30
R1298 .20.30
R1297 .20.30
R1412 .20.30
R1411 .20.30
R1302 .20.30
A18987 .4.5
A19000 .14.5
A18971 .16.20
R1319 .20.30
A19007 .2.5
R1303 .20.30
A18977 .10.15
R1249 .20.30
A18978 .4.10
R1296 .20.30
R1401 .20.30
R1309 .20.30
R1308 .20.30
R1256 .20.30
R1291 .20.30
R1261 .20.30
R1281 .20.30
R1277 .20.30
R1271 .20.30
R1241 .20.30
R1231 .20.30
R1276 .20.30
R1226
A18943 .10.10
R1248 .20.30
A18942 .10.10
R1212 .20.30
R1219 .20.30
R1221
R1209 .20.30
R1211 .20.30
A18935 .18.25
R1101 .20.30
R1181 .20.30
R1135 .20.30
R1134 .20.30
R1131 .20.30
R1141 .20.30
R1125 .20.30
R1119 .20.30
R1151 .20.30
R1161 .20.30
R1164 .20.30
66
65
VALUES SHOWN THUS:- PPM
EXPLORATION VENTURES LIMITED
Area: BROOKESBORO
Title: GEOCHEMICAL VALUES FOR CU & NI IN SOILS - LADYBRIDGE
O.S. Map No NJ 66 NE SE
Scale: 1:10560
Date: SEPT 72
Drawn by
Dwg No 2
1327 - 1390?
R 111 → R 1412
14360 → 14626
A 18935 → 19007
c. 300 sample points.
looks like they all come from the same hole TK Feb 81

7/ Cu- Ni

Soils

Ladybridge

NT 66 NE + SE

DURNHILL AREA.

Geology

NJ 56SW+SE

FIELD MAP

Brodiesord II.

Black, graphite Schist.

Calc Silicate limestone ? blocks ... schist 3-4% pyrite ... pyrite

90% Quartzite

Calc Flags

Rusty weathered black schist w. staurolite

Black Schist

White massive quartzite w. subordinate intercalated thin calcitic quartzose bands.

Fordyce

Grey limestone

Grey limestone w. horizons of Black schist.

Grey weathered Schistose limestone

alternating thinly bedded & massive micaceous quartzite.

mainly boulders & fragments of quartzite but also large erratics of G.B.

Fractured & [illegible] weakly Schistose impure quartzite

F O R D

Serpentinite float.

Schistose quartzite w. ferruginous staining cut by quartz/muscovite veins

Sporadic occs of foliated basic

Several large boulders of garnetiferous hornfels

occs of diorite orthoclase granite

Sporadic occ of hornblende Schist

Tremolite 15%

Quartzite, mica-Schist phyllite.

Soft garnetiferous rocks. (contam & hornfels)

60-70% olivine gabbro, tremolite -V. Sparse mineralisation

sporadic occs of Sheared amphibolite prob. O.B.

hornfelsed calc silicate

much of basic brecciated

Sheared cleaved serp

well cleaved Serpentinite with abundant chlorite & talc.

serpentinite float

Also large boulders of coarse grained olivine bearing gabbro - poorly mineralised

Coarse grained olivine gabbro & tremolite common trending W.

Sporadic occs of amphibolite

Boulders of quartzite

Calc Silicate 5% pyrite chalco pyrite

Graphite Schists w. Calcite Kernels

Cleaved & jointed Serpentinite

Standingmanhill

Dark phyllite mica schist

many O.B. frags

Quartz mica-Schist

Basic rock poorly mineralised

Tremolite common 10-20% few occs of diorite

Abundant quartz mica-Schist frags

Quartzite frags

massive Serpentinite

Large Boulders of Serpentinite

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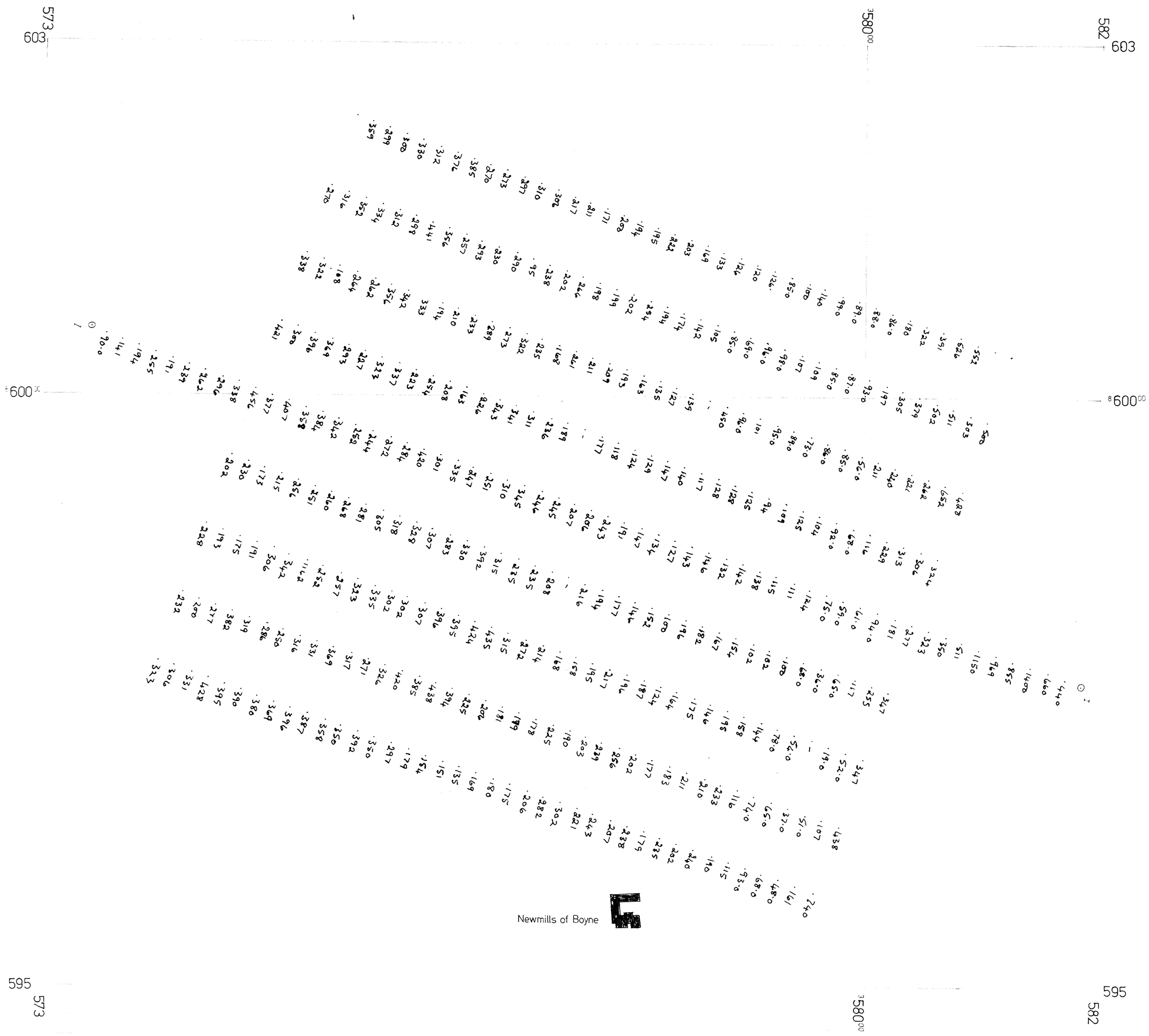
EXPLORATION VENTURES LIMITED	Dra. No. 1
Area: BRODIESORD	
Title: GEOLOGICAL OUTCROP & FLOAT MAP DURN HILL AREA.	
O.S. Map No NJ 56 SW + SE	
Scale: 1:10560	Date: APRIL '72
Prepared by: [illegible]	



Consolidated Gold Fields Ltd.

EXPLORATION

Project: Exploration Ventures Ltd.

Area: BRODIESORD AREA

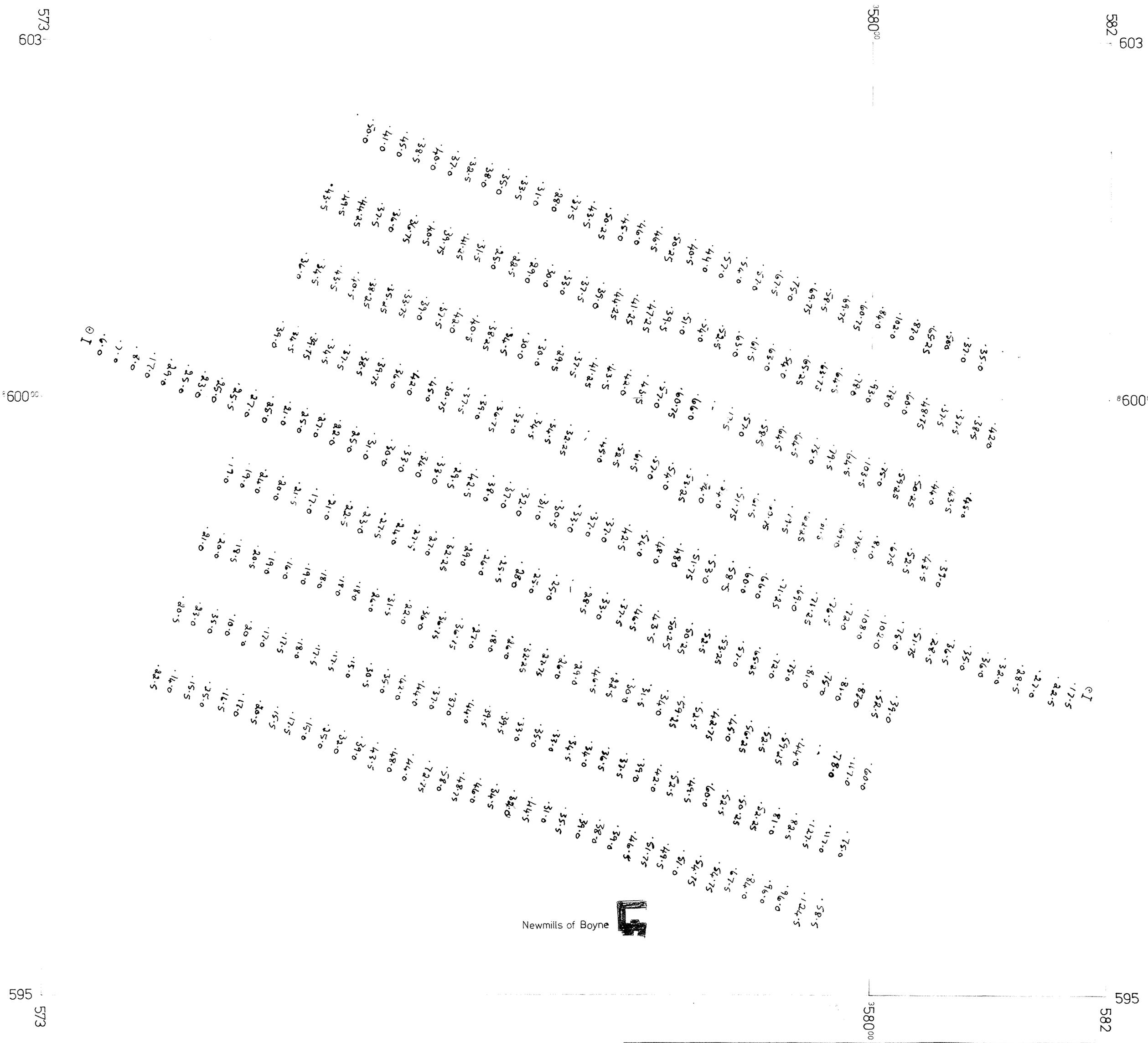
Title: GRADIENT ARRAY DETAIL I.P. (Resistivity) in ohm/metres at NEWMILLS OF BOYNE

CURRENT SPACING 3000' ; I is position of current electrode
VOLTAGE SPACING 50'
EQUIPMENT: Scintrex Mk.7

Drawing No. 8	**O.S. Map No.** NJ 5759, NJ 5859 NJ 5760 and NJ 5860	
	Scale: 1:2500	**Prepared by:**
	Date:	**Drawn by:**
	Revisions:	

B/ Gradient Array I.P.
Resistivity

7/ Gradient Array IP
chargeability



Consolidated Gold Fields Ltd.

EXPLORATION

Project: Exploration Ventures Ltd.

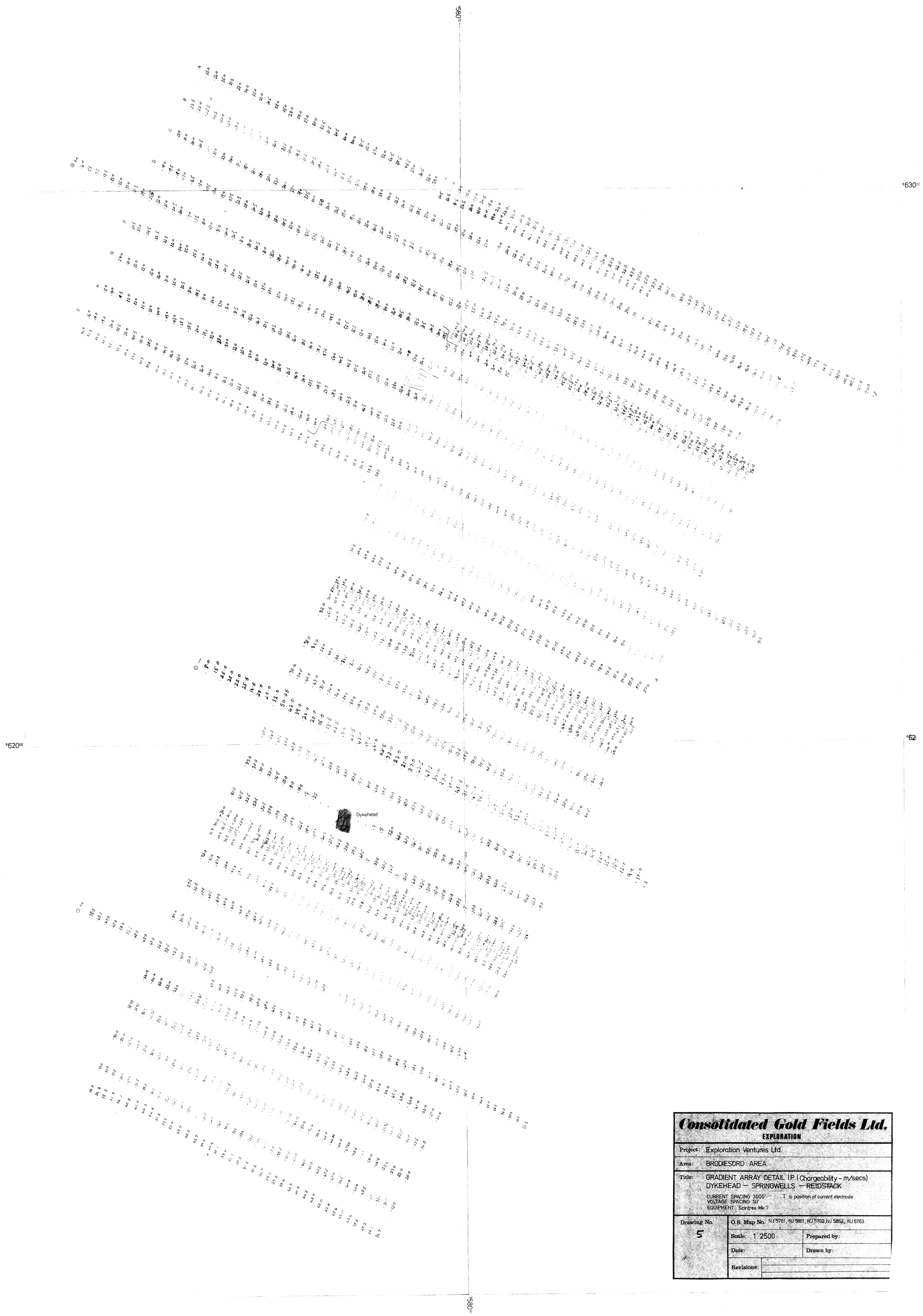
Area: BRODIESORD AREA

Title: GRADIENT ARRAY DETAIL I.P. (Chargeability in m/secs.) at NEWMILLS OF BOYNE

CURRENT SPACING 3000' . I is position of current electrode.
VOLTAGE SPACING 50'
EQUIPMENT: Scintrex Mk. 7

Drawing No. 7	**O.S. Map No.** NJ 5759, NJ 5859 NJ 5760 and NJ 5860	
	Scale: 1:2500	**Prepared by:**
	Date:	**Drawn by:**
	Revisions:	

5/ Gradient Array IP
Chargeability.



Consolidated Gold Fields Ltd.
EXPLORATION

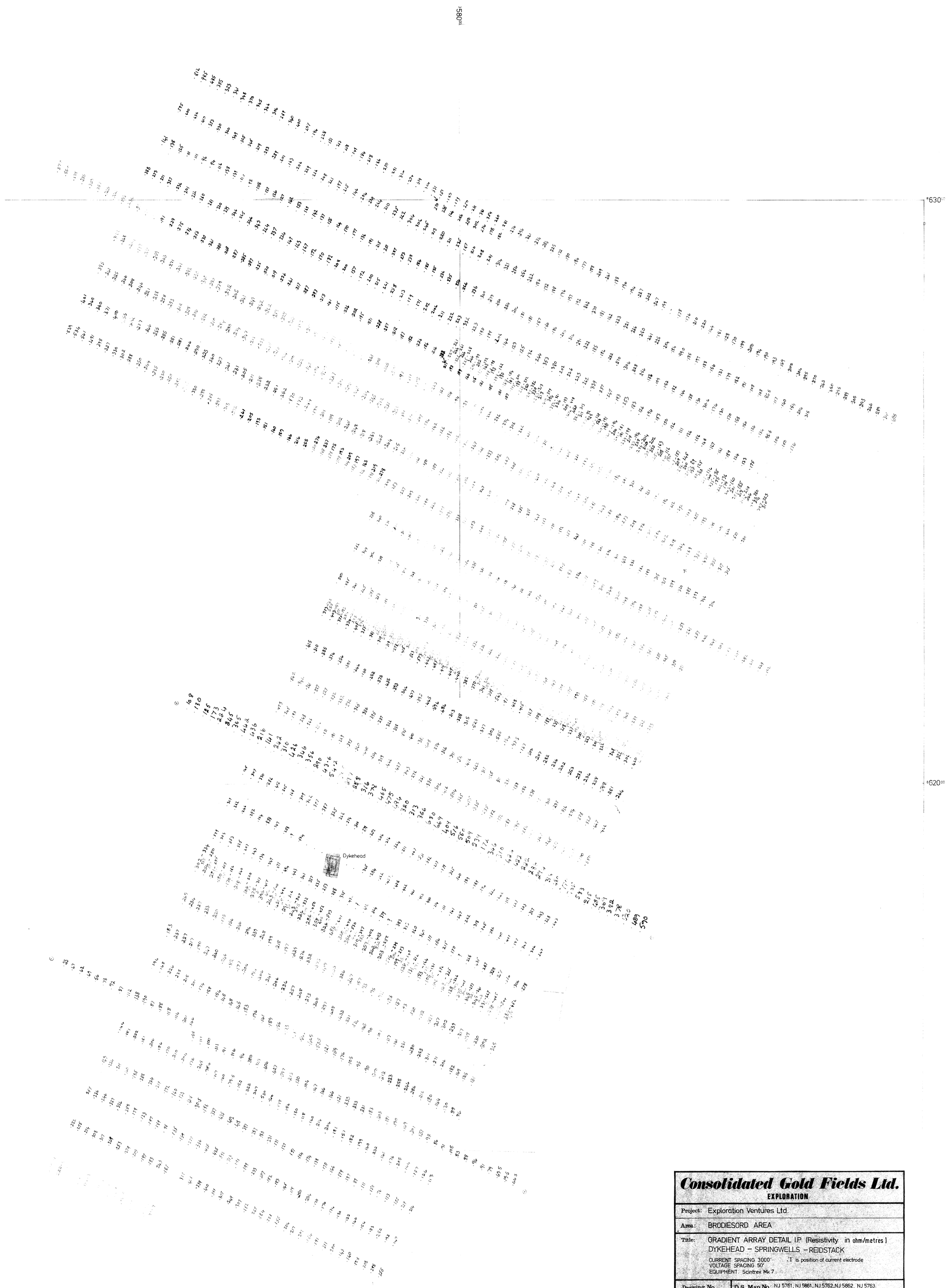
Project: Exploration Ventures Ltd.

Area: BRODIESORD AREA

Title: GRADIENT ARRAY DETAIL I.P. (Chargeability - m/secs)
DYKEHEAD — SPRINGWELLS — REIDSTACK

CURRENT SPACING 3000' · I is position of current electrode
VOLTAGE SPACING 50'
EQUIPMENT: Scintrex Mk 7

Drawing No.	O.S. Map No. NJ 5761, NJ 5861, NJ 5762, NJ 5862, NJ 5763	
5	Scale: 1:2500	Prepared by:
	Date:	Drawn by:
	Revisions:	



Consolidated Gold Fields Ltd.
EXPLORATION

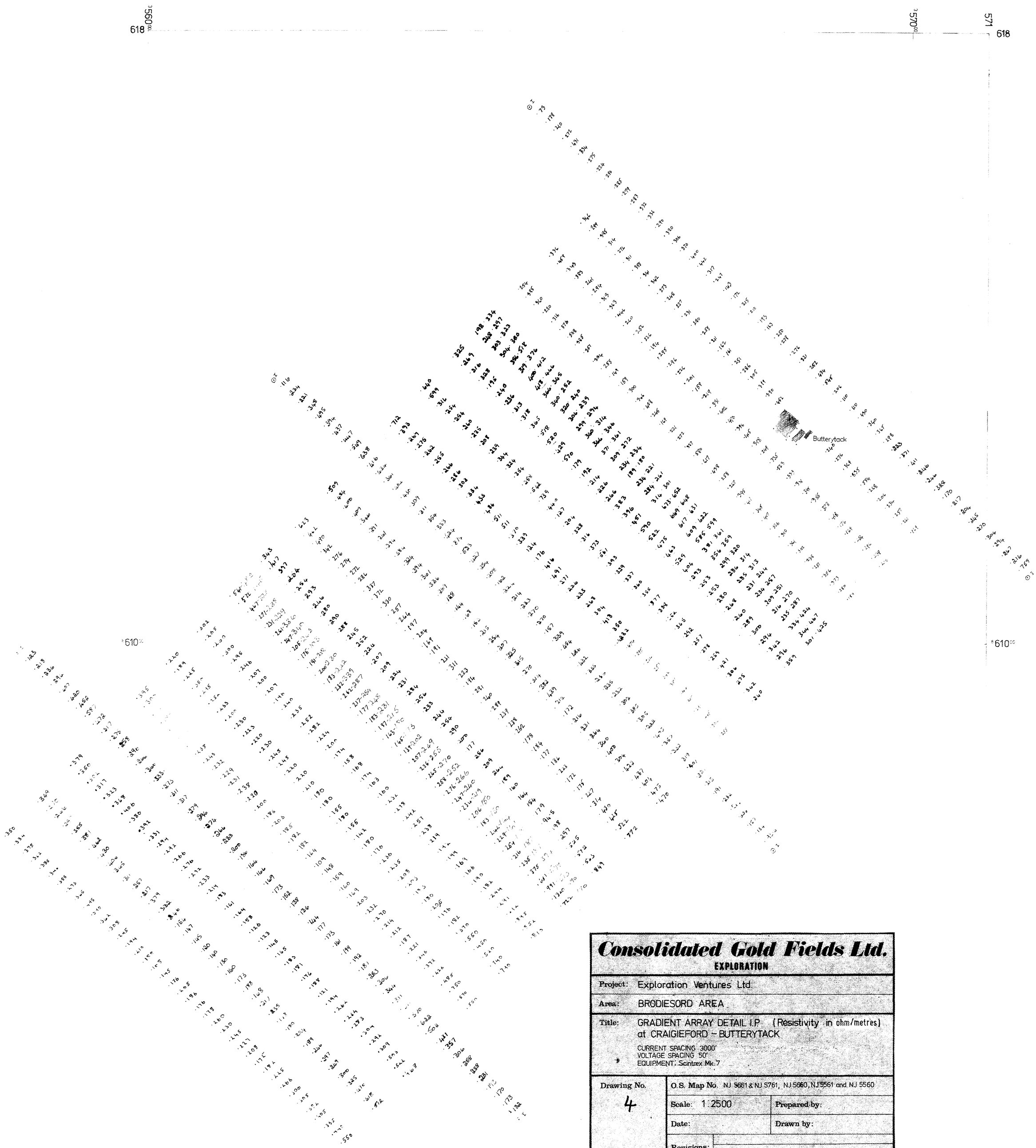
Project:	Exploration Ventures Ltd.
Area:	BRODIESORD AREA
Title:	GRADIENT ARRAY DETAIL I.P. (Resistivity in ohm/metres) DYKEHEAD – SPRINGWELLS – REIDSTACK CURRENT SPACING 3000' . I is position of current electrode VOLTAGE SPACING 50' EQUIPMENT: Scintrex Mk 7
Drawing No. 6	O.S. Map No. NJ 5761, NJ 5861, NJ 5762, NJ 5862, NJ 5763.
	Scale: 1:2500 — Prepared by:
	Date: — Drawn by:
	Revisions:

6/

Gradient Array I P

Apparent ~~[illegible]~~
Resistivity

4/ Gradient Array I.P.
Apparent Resistivity



Consolidated Gold Fields Ltd.
EXPLORATION

Project:	Exploration Ventures Ltd.
Area:	BRODIESORD AREA
Title:	GRADIENT ARRAY DETAIL I.P. (Resistivity in ohm/metres) at CRAIGIEFORD – BUTTERYTACK CURRENT SPACING 3000' VOLTAGE SPACING 50' EQUIPMENT: Scintrex Mk. 7

Drawing No. 4	O.S. Map No. NJ 5661 & NJ 5761, NJ 5660, NJ 5561 and NJ 5560	
	Scale: 1:2500	Prepared by:
	Date:	Drawn by:
	Revisions:	

3/ Gradient Array IP
chargeability