

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

COMPANY: EXPLORATION VENTURES LTD

REF: AE 26

MRD 84/5/20

PROJECT: OLD-MELDRUM

MRD 144/5/20

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

- Extract from draft application 6.8.71. "Outline of proposed project including geological considerations". With district location map - 1" : 4 miles
- Geological Report 9.8.71 to 31.12.71. With the following enclosures:
  1. Geological field sheets NJ 72 NE (East and West halves) 6" : 1 mile, Aug 1971
  2. IP survey west of Old Meldrum, chargeability and resistivity. 6" : 1 mile, Nov '71, NJ 72 NE
  3. Vertical force magnetic field results (in 4 strips) OS Sheet NJ 72 NE. Sept '71. 1 : 5,000
- 1972 Activity Report with three enclosures:
  - Fig 1 Location plan of detailed IP traverse at Fingask reduced from 6" : 1 mile. OS Sheet NS 72 NE. Jan '72
  - Fig 2 Fingask. Chargeability and resistivity profiles. 1 : 5,000. NJ 72 NE. Jan '72
  - Fig 3 Chargeability curves. NJ 72 NE. Jan '72

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\* Not at Keyworth

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 Oldmeldrum

3. Applicants' organisation  
& financial structure

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

4. Outline of proposed project,  
including geological considerations

Reconnaissance shows that this area includes the Eastern part of the Insch basic body with basic and ultrabasic rocks with a quite separate predominantly drift covered basic/ultrabasic intrusive North of Oldmeldrum town. The surrounding rocks are Dalradian metamorphics. The minerals sought are Ni, Cu sulphides and any associated minerals.

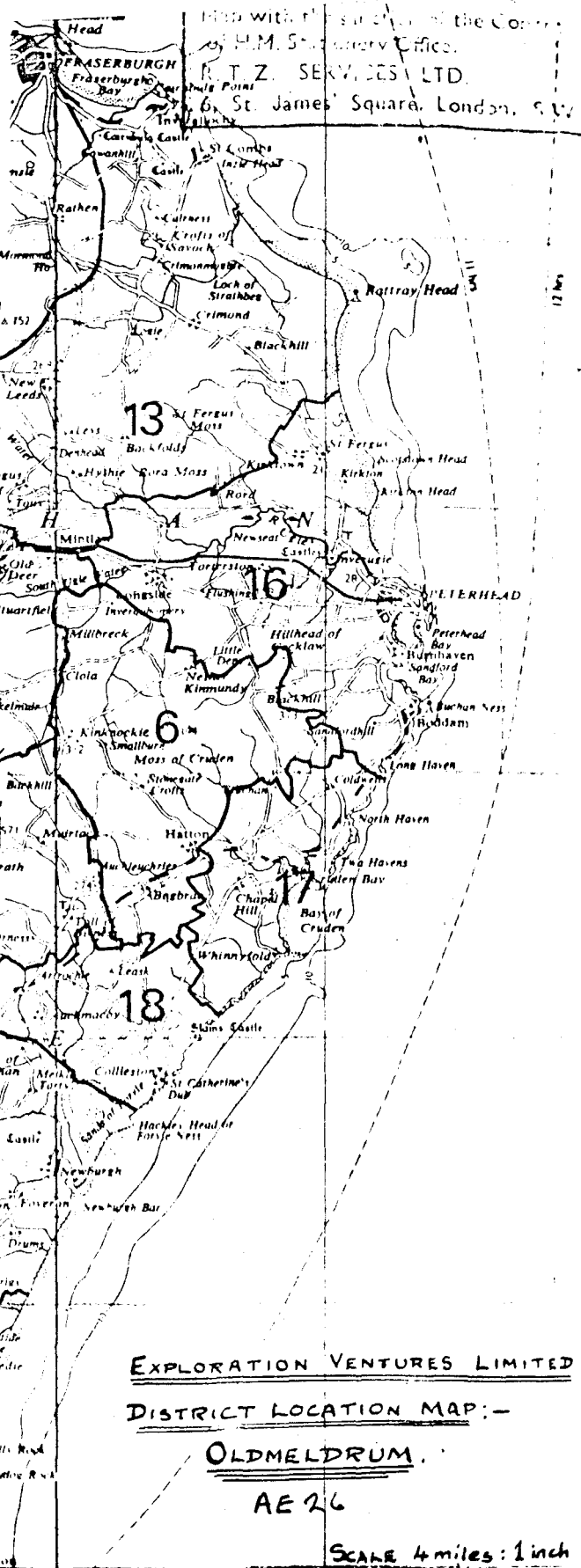
5. Work programme and costs  
of project

The proposed programme comprises detailed Induced Polarisation follow up surveys over target zones located by earlier reconnaissance work, also detailed magnetic surveys over the intrusives, into an eight week programme. These surveys and reconnaissance will more precisely delineate targets for exploratory drilling.

In addition a detailed Geochemical Soil investigation will be undertaken to relate metal values in drift and soils to bedrock values. Initial exploratory diamond drilling of not less than 1000 ft will be undertaken to investigate induced polarisation targets.

As drill core becomes available from this programme, metallurgical investigations will be carried out, including grinding, flotation, magnetic separation and ancillary tests; chemical analysis of ores and test products: analysis for Ni, Cu, Fe, S and associated metals. Mineralogical studies on ores and test products will be undertaken by microscopic work and electron-probe micro analysis.

- |                  |                         |
|------------------|-------------------------|
| 2 Kinnarrachin   | 11 Gairnquoy            |
| 3 Bakuhindachie  | 12 West Haddo           |
| 4 Belhelvie      | 13 Strichen - Crimond   |
| 5 Crichtie       | 14 Newburgh             |
| 6 Forest of Deer | 15 Inverurie - Straloch |
| 7 Haddo          | 16 Longside - Peterhead |
| 8 Maud           | 17 Cruden               |
| 9 Oldmeldrum     | 18 Slains               |



EXPLORATION VENTURES LIMITED  
 DISTRICT LOCATION MAP:-

OLDMELDRUM

AE 26

SCALE 4 miles: 1 inch

Application for contributions under the Mineral  
Exploration and Investment Grants Act 1972.

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Geological Report: Oldmeldrum AE26

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Work on this project for the period 9th August - 31st December  
1971 included geological and geophysical investigations.

(i) Geology

Reconnaissance mapping was carried out to define the precise  
nature of outcrops and to determine the extent of basic/  
ultrabasic plus mineralised float patterns.

(ii) Geophysics

a) Induced Polarisation

A three electrode array survey was run across magnetic  
anomalies in the Fingask/Lethenty area. Only spurious  
responses related to man-made conductors were located.

b) Magnetics

A detailed survey measuring the vertical force magnetic  
field was conducted over the eastern section of the Inch  
basic body to define limits of the intrusion and assist  
with the mineral assessment of the area.

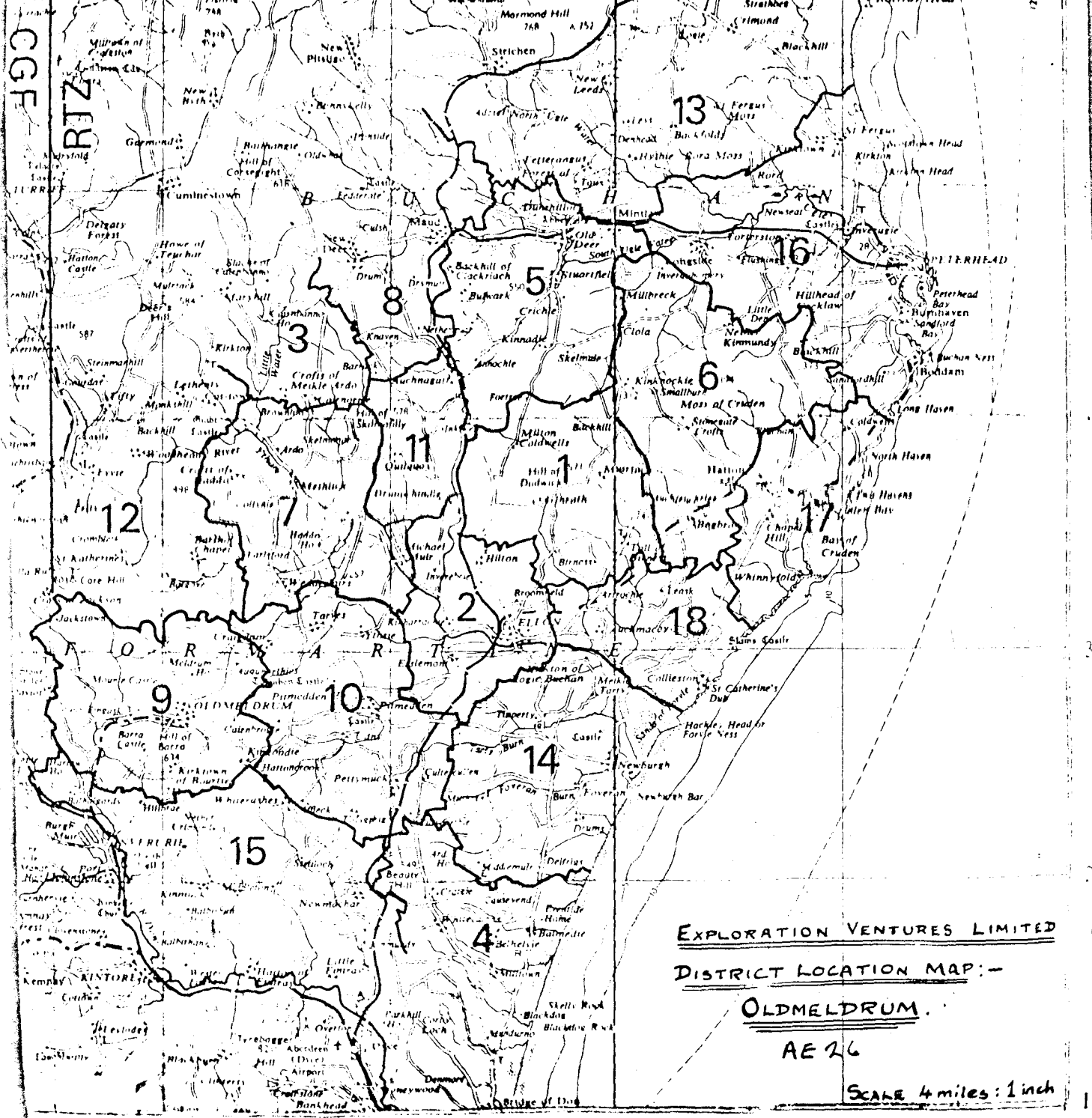
Enclosures

1. Geological field sheets. NJ72 NE (East & West halves) No text.
2. Induced polarisation survey results at Fingask and Lethenty. (1 set of results)
3. Vertical force magnetic field results over the eastern section  
of the Inch basic complex. (4 sheets).

ADMINISTRATIVE AREAS IN RIOFINEX'S SECTOR

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- |                      |                         |
|----------------------|-------------------------|
| 1 Arthrath - Dudwick | 10 Udny                 |
| 2 Kinharrachin       | 11 Quilquox             |
| 3 Balquhindachie     | 12 West Haddo           |
| 4 Belhelvie          | 13 Strichen - Crimond   |
| 5 Crichtie           | 14 Newburgh             |
| 6 Forest of Deer     | 15 Inverurie - Straloch |
| 7 Haddo              | 16 Longside - Peterhead |
| 8 Maud               | 17 Cruden               |
| 9 Oldmeldrum         | 18 Slains               |



EXPLORATION VENTURES LIMITED  
 DISTRICT LOCATION MAP:-  
OLDMELDRUM.  
 AE 26  
 SCALE 4 miles : 1 inch

EXPLORATION VENTURES LTD

(RIOFINEX)

1972 ACTIVITY REPORT

THE OLD MELDRUM DISTRICT (DTI Code AE 26)

SUMMARY

A detailed IP survey was run across a conductor located by previous reconnaissance IP work at Fingask (see data submitted in 1971).

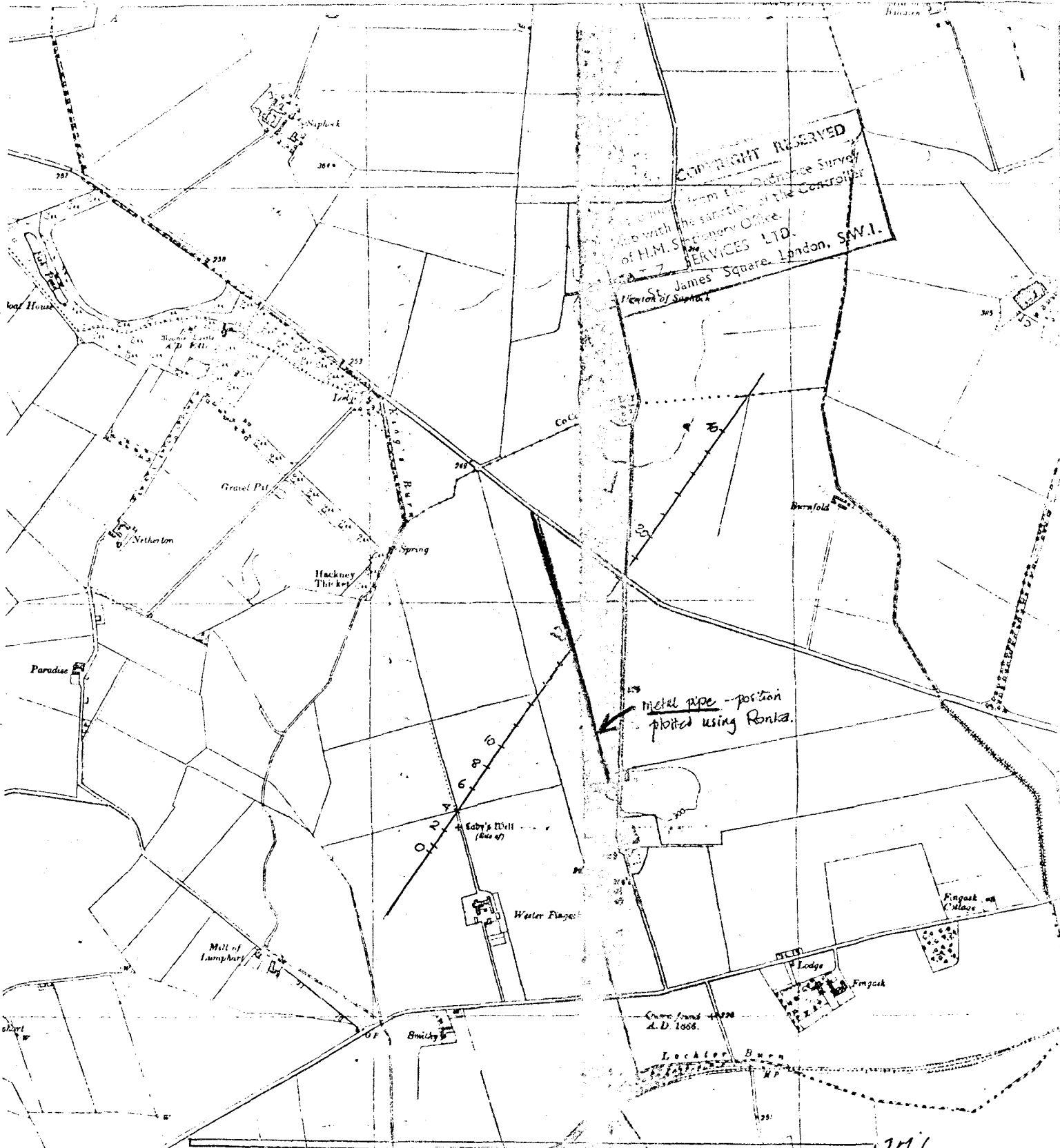
1. GEOLOGY Nil
2. GEOCHEMISTRY Nil
3. GEOPHYSICS

Results of an expanding 3 electrode array IP survey over a conductor at Fingask Farm produced responses typical for an underground metal pipe.

4. DRILLING Nil

Enclosures

- (i) Location plan
- (ii) Chargeability and Resistivity 'profiles'
- (iii) Chargeability Curves



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 Division of Supt.

1716

EXPLORATION VENTURES LTD.			
TITLE LOCATION PLAN OF DETAILED IP TRAVERSE AT FINGASK, OHMELDRUM DISTRICT, ABERDEENSHIRE.			
Scale 6" to 1 MILE	Prepared 1972	Drawn TC.	FIG. No. 1
OS Sheet No. NO 72 NE	Revised	Date JAN 1972	

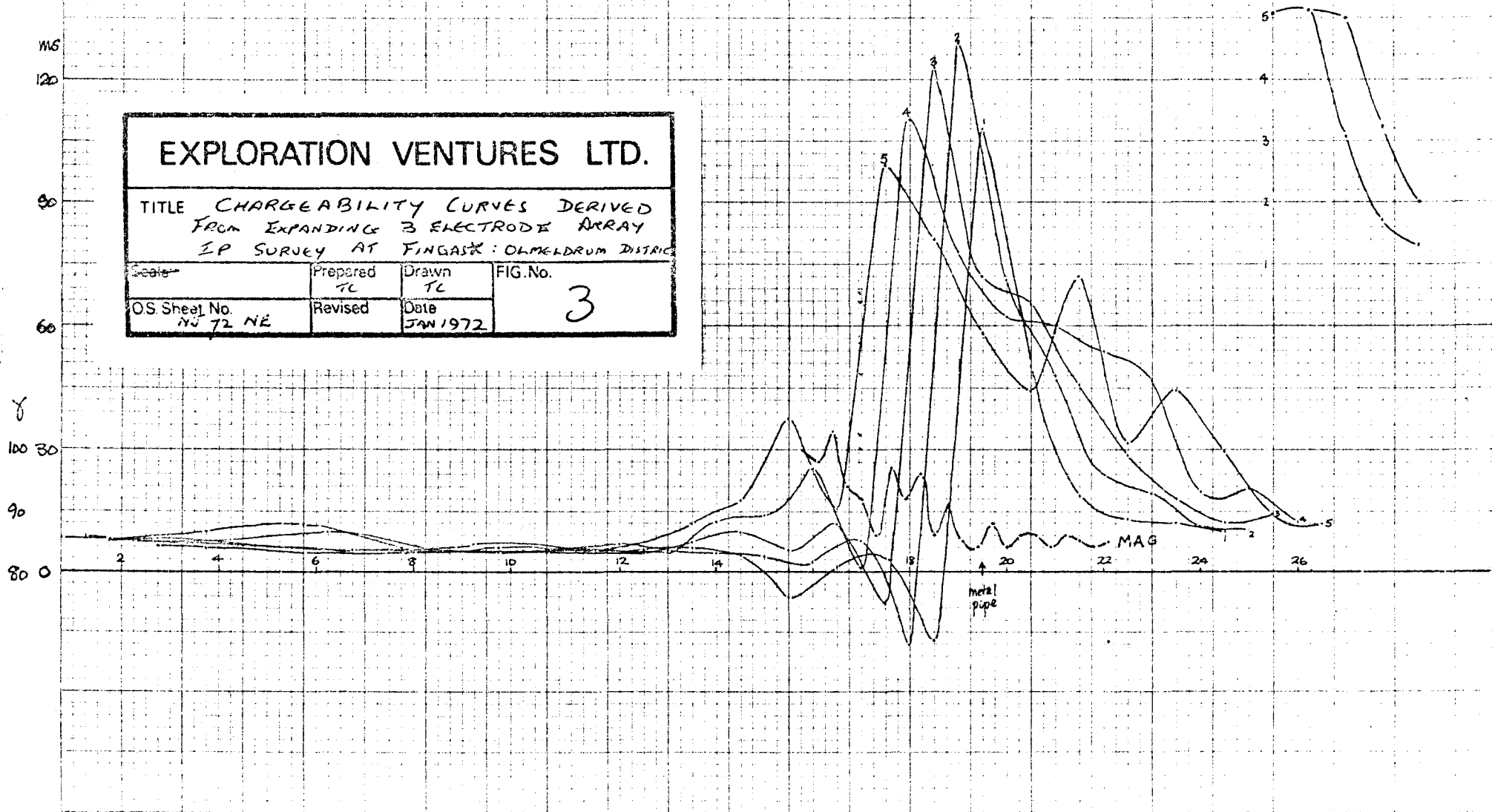
FINGASK - OLDMELDRUM

$a=10$

POLE-DIPOLE

$n=1-5$

<b>EXPLORATION VENTURES LTD.</b>			
TITLE CHARGEABILITY CURVES DERIVED FROM EXPANDING 3 ELECTRODE ARRAY IP SURVEY AT FINGASK: OLDMELDRUM DISTRICT			
Scale	Prepared TL	Drawn TL	FIG.No. <b>3</b>
OS Sheet No. NS 72 NE	Revised	Date JAN 1972	





Application for contributions under the Mineral  
Exploration and Investment Grants Act 1972.

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Geological Report: Oldmeldrum AE26

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Work on this project for the period 9th August - 31st December  
1971 included geological and geophysical investigations.

(i) Geology

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basic body to define limits of the intrusion and assist  
with the mineral assessment of the area.

Enclosures

1. Geological field sheets. NJ72 NE (East & West halves) No text.
2. Induced polarisation survey results at Fingask and Lethenty. (1 set of results)
3. Vertical force magnetic field results over the eastern section  
of the Inch basic complex. (4 sheets)

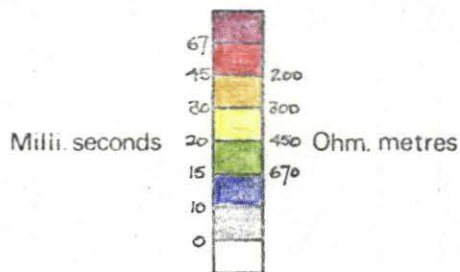
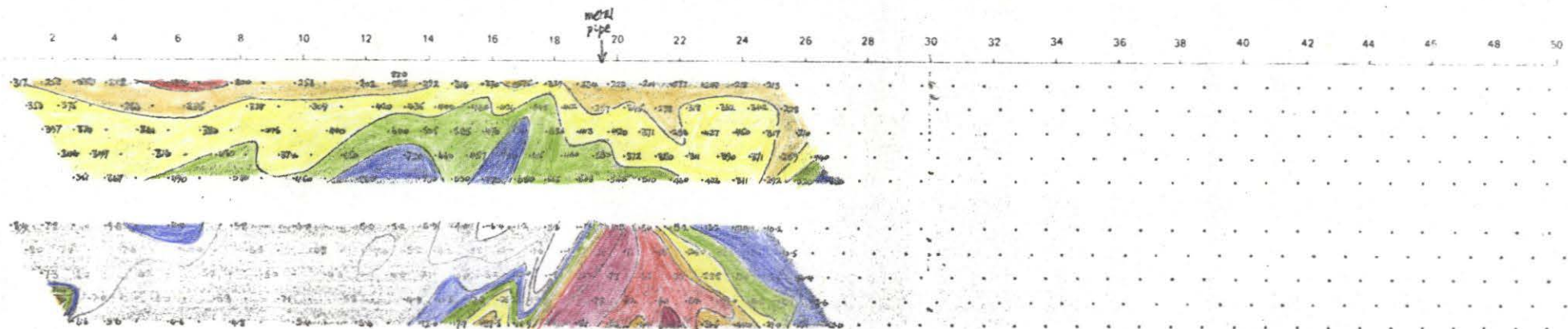
AREA FINGASK - OLDMELDROM

LINE No.

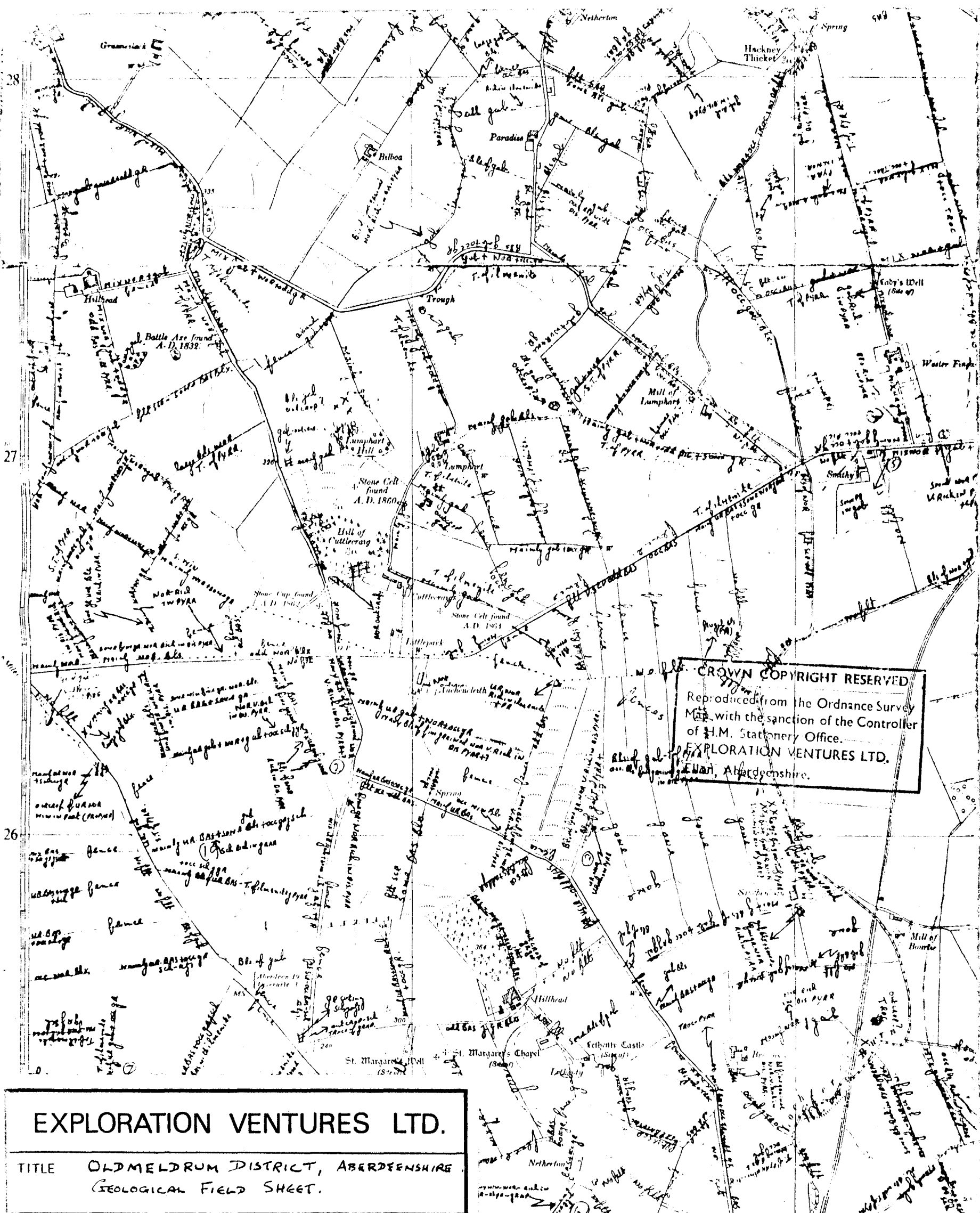
ARRAY POLE-DIPOLE

a = 100'

n = 1-5



EXPLORATION VENTURES LTD.			
TITLE FINGASK AREA : OLDMELDROM DISTRICT. CHARGEABILITY AND RESISTIVITY 'PROFILES' FROM EXPANDING 3 ELECTRODE ARRAY SURVEY			
Scale	1/5000	Prepared TC	Drawn TC
O.S. Sheet No. NJ 72 NE	Revised	Date JAN 1972	FIG No. 2



**EXPLORATION VENTURES LTD.**

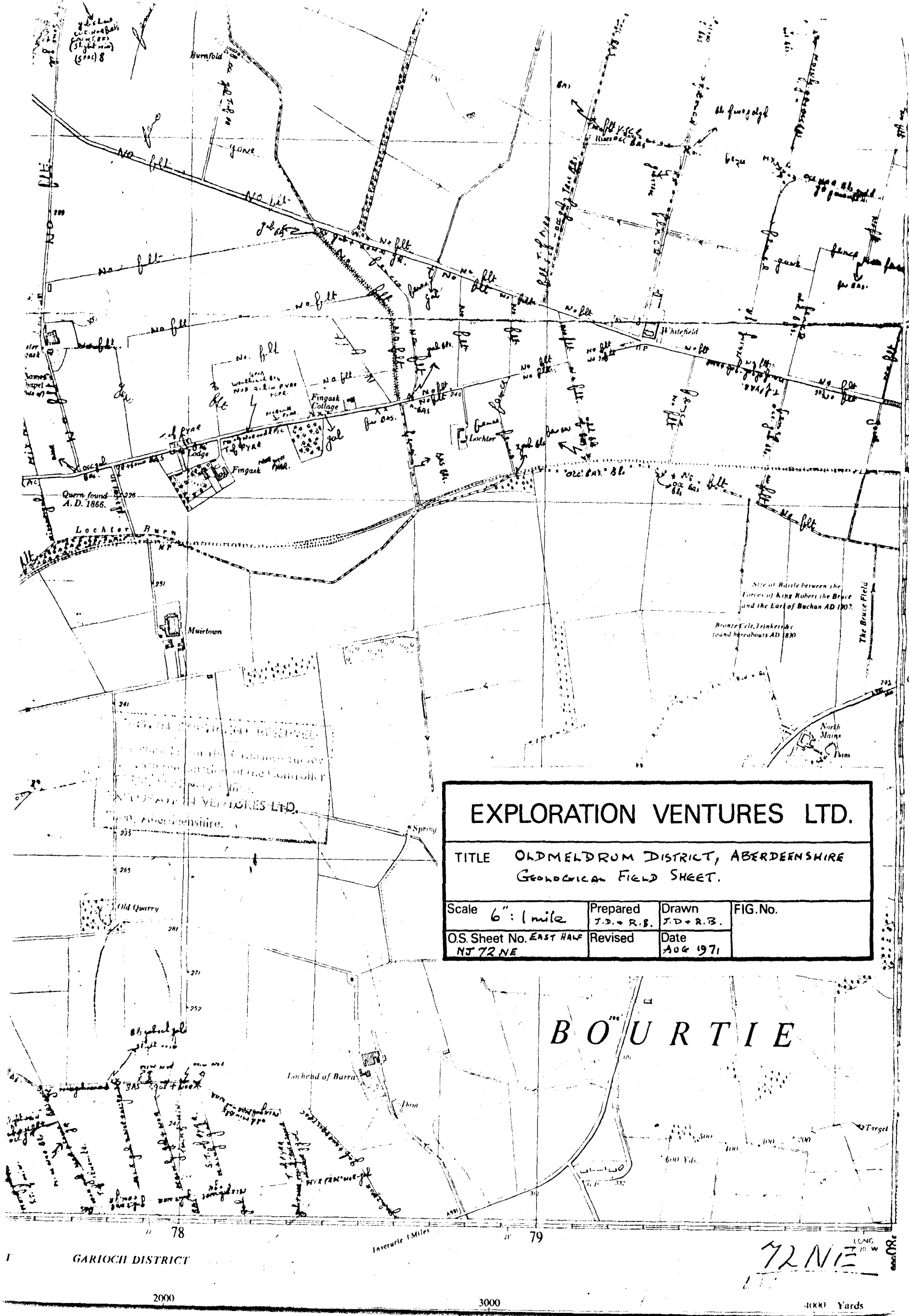
TITLE **OLDMELDRUM DISTRICT, ABERDEENSHIRE**  
**GEOLOGICAL FIELD SHEET.**

Scale 6" : 1 mile.	Prepared J.D. + R.B.	Drawn J.D. + R.B.	FIG.No.
O.S. Sheet No. WEST HALF NJ 72 NE	Revised	Date AUG 1971.	

Inverurie 2 1/2 Miles  
PH

77

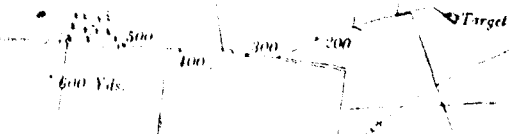
WEST ABERDEENSHIRE CO CO

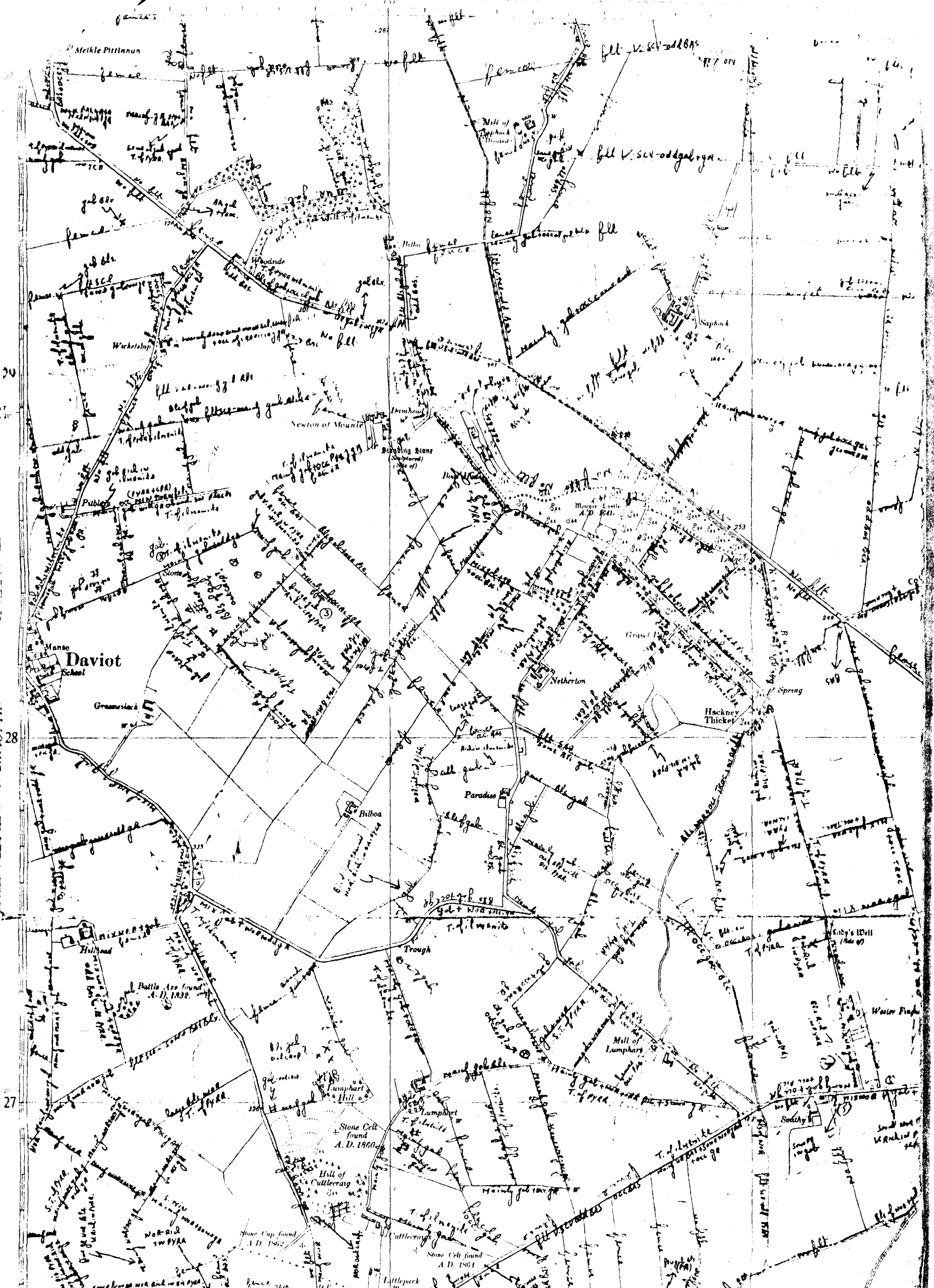


THE CONTROLLER  
 OF THE GREAT  
 BRITAIN  
 AND IRELAND  
 GEORGRAPHICAL SURVEY  
 AND THE  
 GENERAL REGISTER  
 OFFICE  
 HER MAJESTY'S  
 STATIONERS  
 AND PRINTERS  
 IN ORDINARY  
 TO HER MAJESTY  
 AND IN PARLIAMENT  
 ASSEMBLED  
 1971

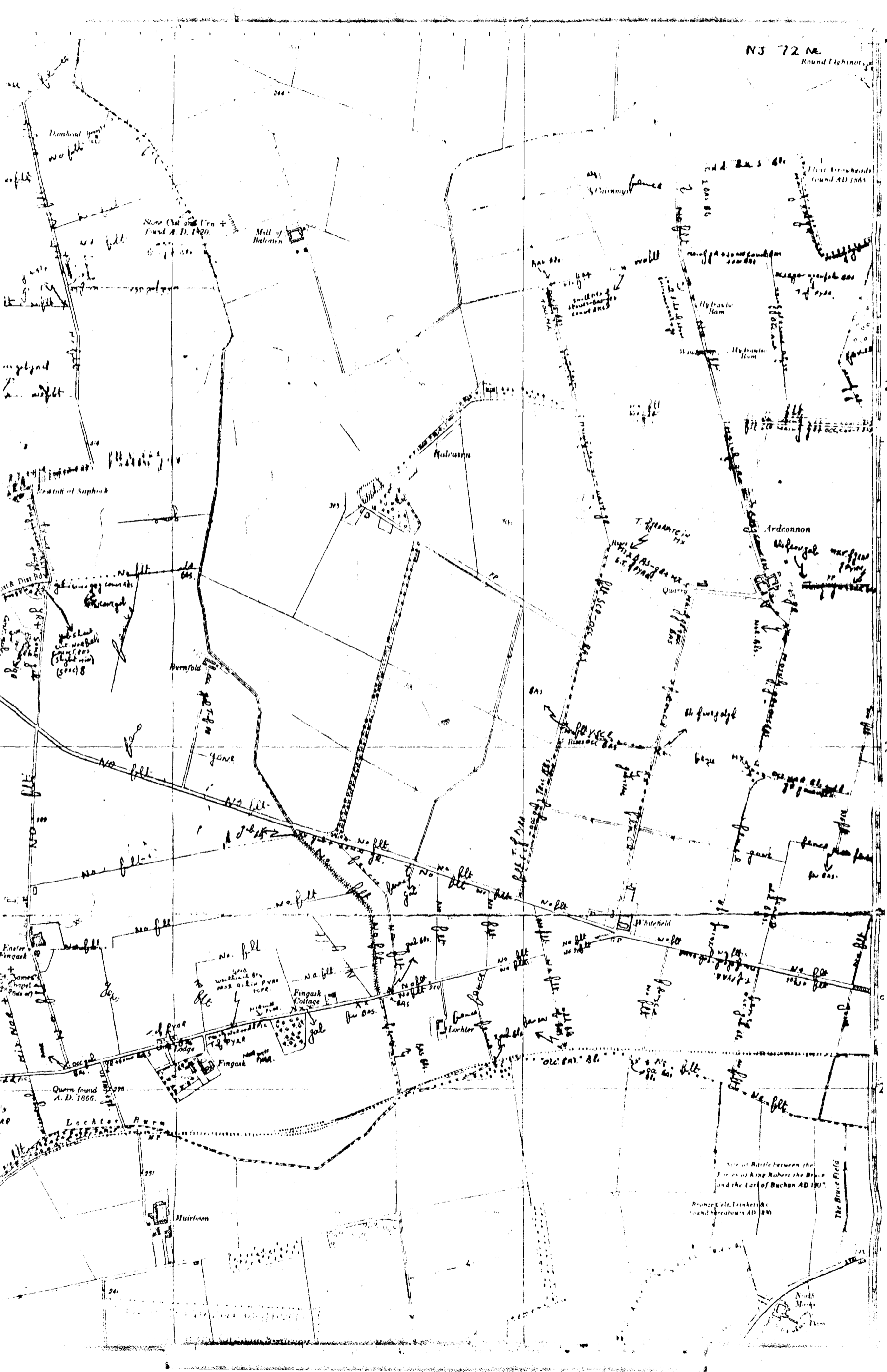
<b>EXPLORATION VENTURES LTD.</b>			
TITLE <b>OLDMELDRUM DISTRICT, ABERDEENSHIRE</b> GEOLOGICAL FIELD SHEET.			
Scale	6" : 1 mile	Prepared	J.D. + R.B.
		Drawn	J.D. + R.B.
OS Sheet No.	EAST HALF	Revised	Date
	NJ 72 NE		AUG 1971

# BOURTIE





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EXPLORATION



Stone Cut and Crn +  
Found A. D. 1820

Mill of  
Hallowen

Muirton

Ardconnon

T. Hallowen

Burnfold

Whitefield

Lachlan

Fingask  
Collage

Lodge

Muirton

Quern found  
A. D. 1866

Site of Battle between the  
James of King Robert the Bruce  
and the tank of Buchan AD 1307

Bronze Kiln, Trunkets &c  
found hereabouts AD 1800

The Bruce Field

North  
Muirton

Dumbhead  
no fllt

no fllt

Remains of Saphrick

gibbering gog corners

cut wood  
(slight ruin)  
(spec) 8

James  
Cassell  
(Spec 1)

Locales Burn

251

250

252

253

254

255

256

257

258

259

260

NO fllt

NO fllt

NO fllt

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NO fllt

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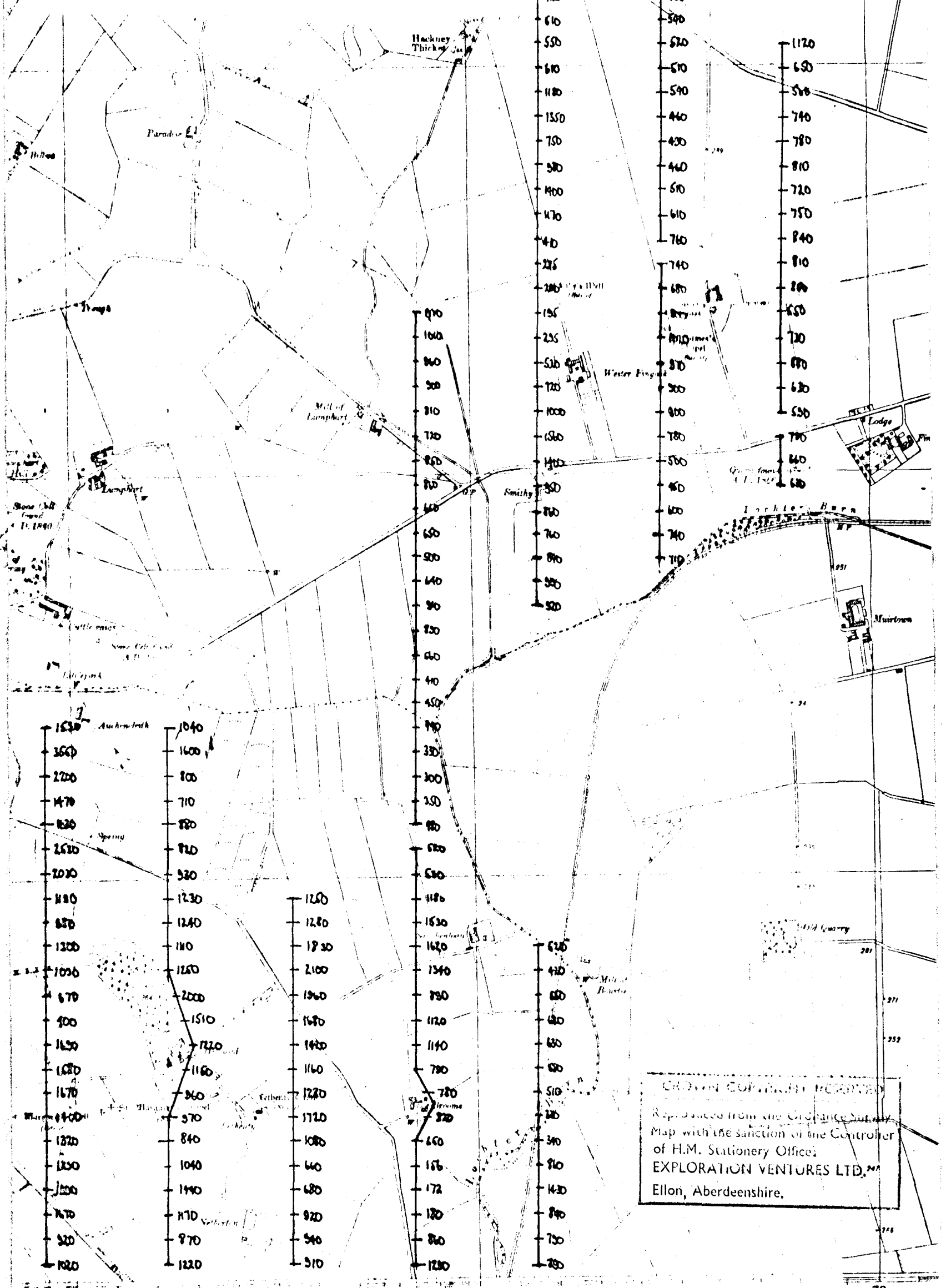
NO fllt

NO fllt

# EXPLORATION VENTURES LTD.

TITLE OLD MELDRUM DISTRICT, ABERDEENSHIRE.  
 RECONNAISSANCE INDUCED POLARISATION SURVEY.  
 APPARENT RESISTIVITY WEST OF OLD MELDRUM TOWN.  
 3 Electrode array survey. (Values in OHM METRES.)

Scale 6" to 1 mile.	Prepared T.B.	Drawn T. BRUCE.	FIG. No. 2
OS Sheet No NJ 72 NE.	Revised	Date Nov 1971.	

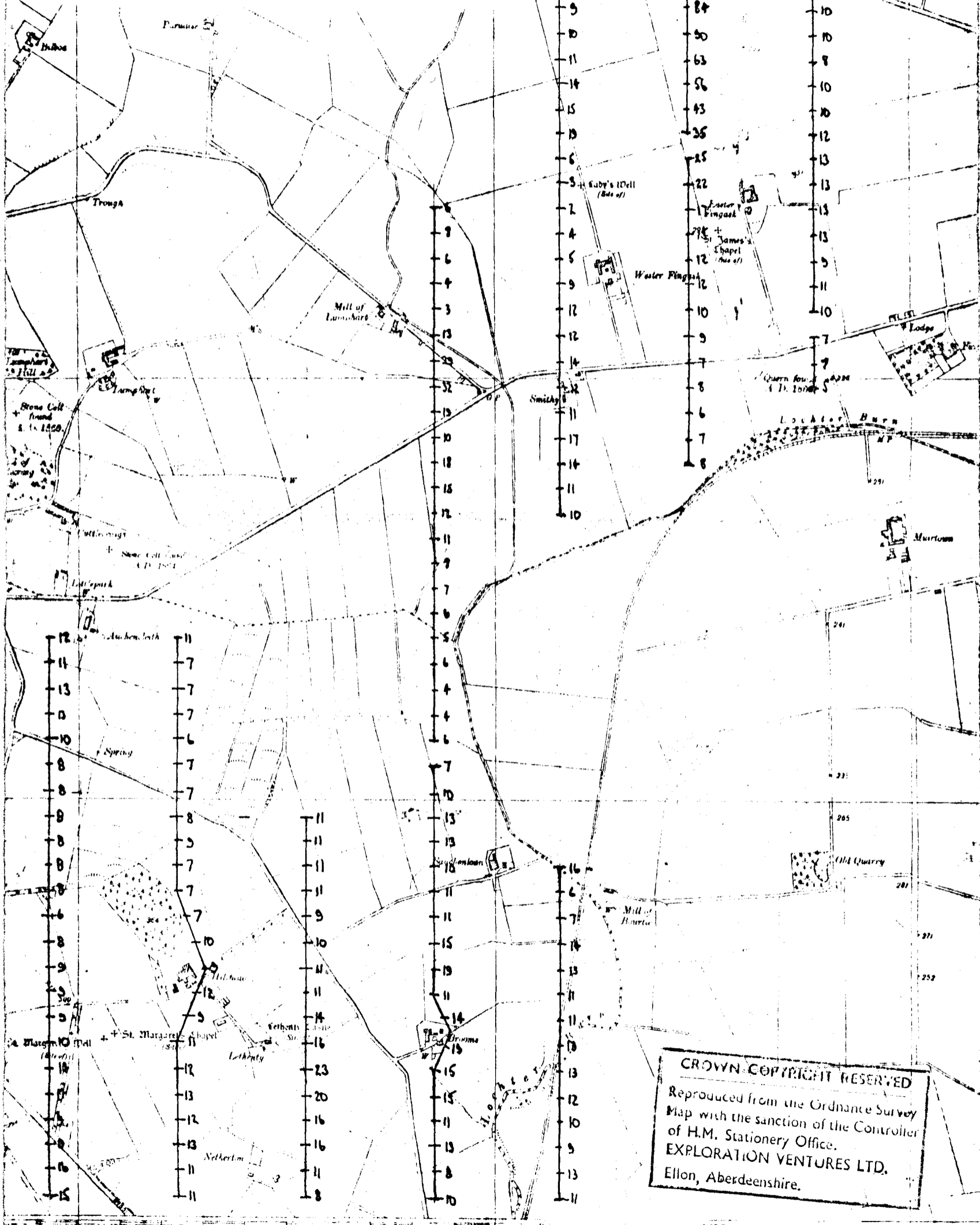


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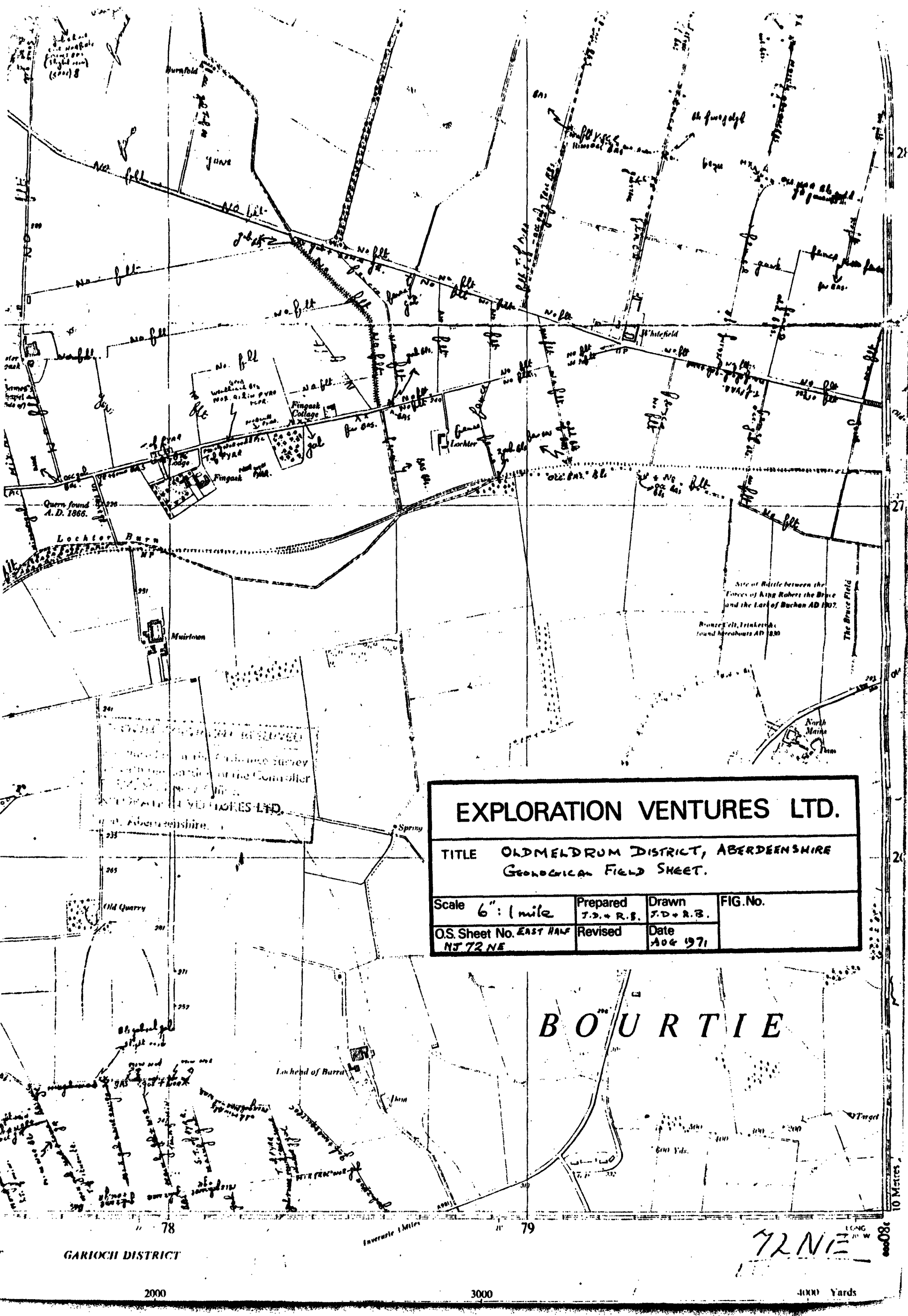
TITLE OLDMELDROM DISTRICT, ABERDEENSHIRE.  
 RECONNAISSANCE INDUCED POLARISATION SURVEY,  
 CHARGABILITY WEST OF OLDMELDROM. (Values in milliseconds.)  
 3 electrode array survey.

Scale 6" : 1 mile.	Prepared T. B.	Drawn T. BRUCE.	FIG No 2
OS Sheet No NJ 72 NE.	Revised	Date Nov. 1971	



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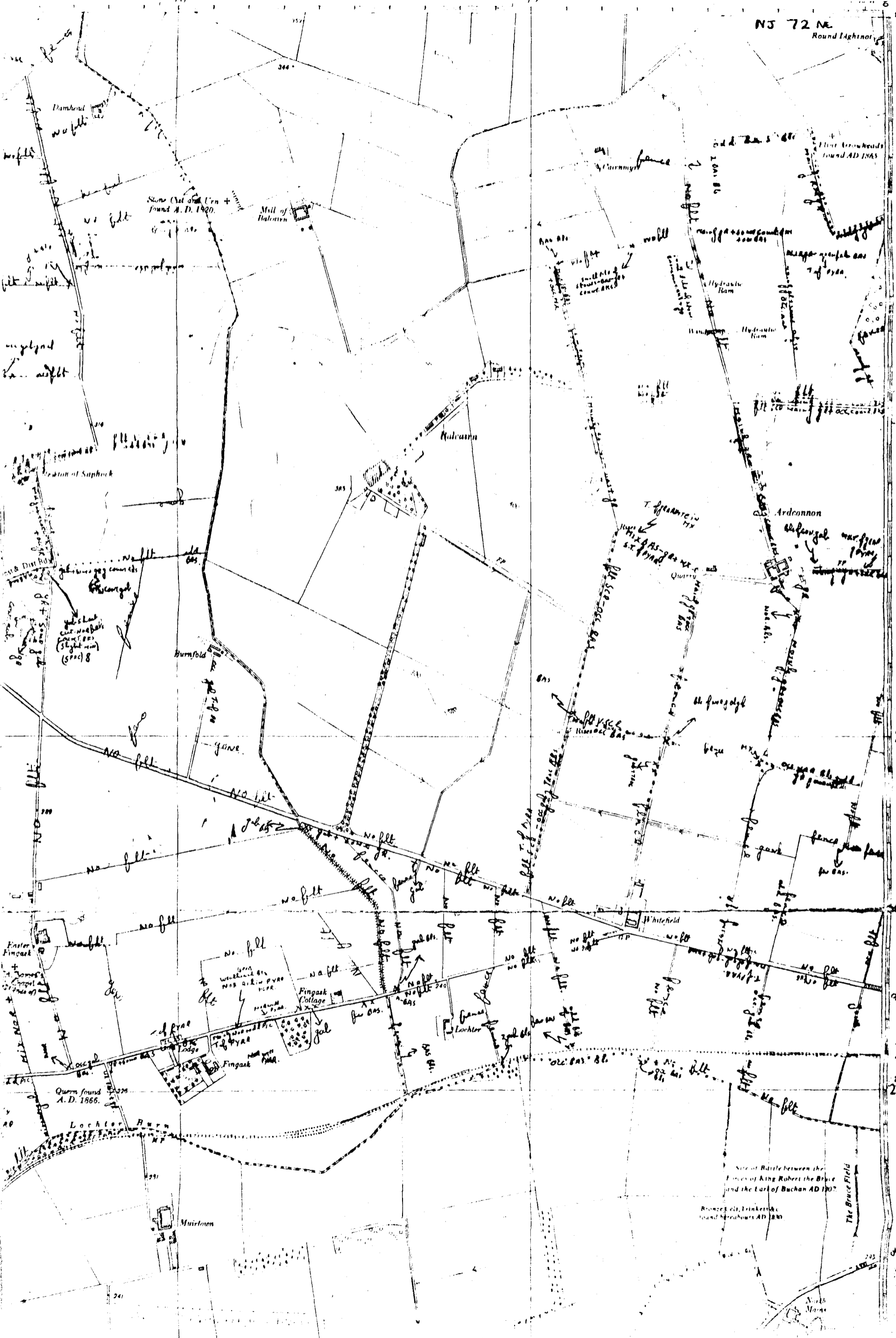


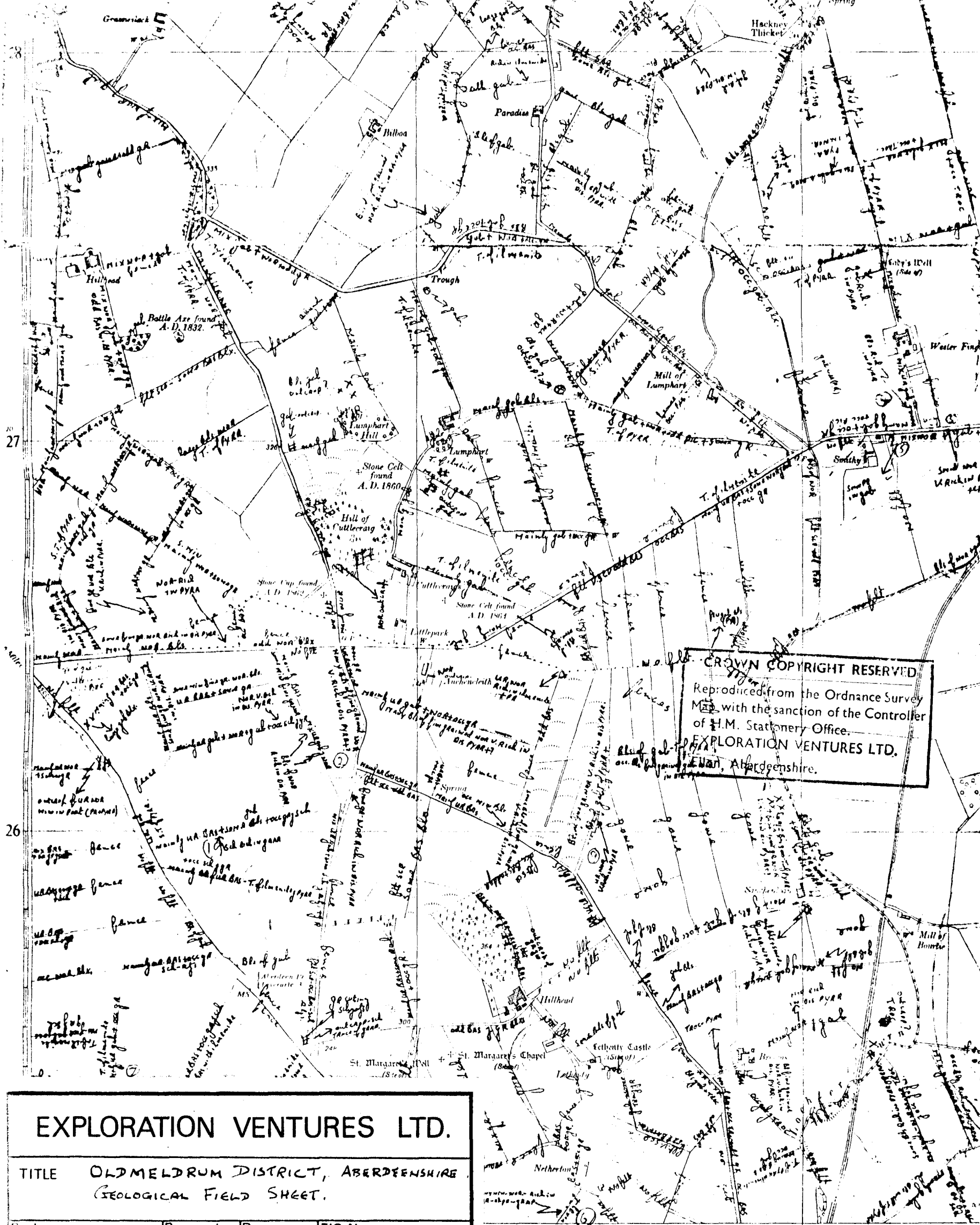
<b>EXPLORATION VENTURES LTD.</b>			
TITLE <b>OLDMELDRUM DISTRICT, ABERDEENSHIRE</b> GEOLOGICAL FIELD SHEET.			
Scale <b>6" : 1 mile</b>	Prepared <b>J.D. + R.B.</b>	Drawn <b>J.D. + R.B.</b>	FIG.No.
O.S. Sheet No. <b>EAST HALF</b> <b>NJ 72 NE</b>	Revised	Date <b>Aug 1971</b>	

B O U R T I E

72 NE

008



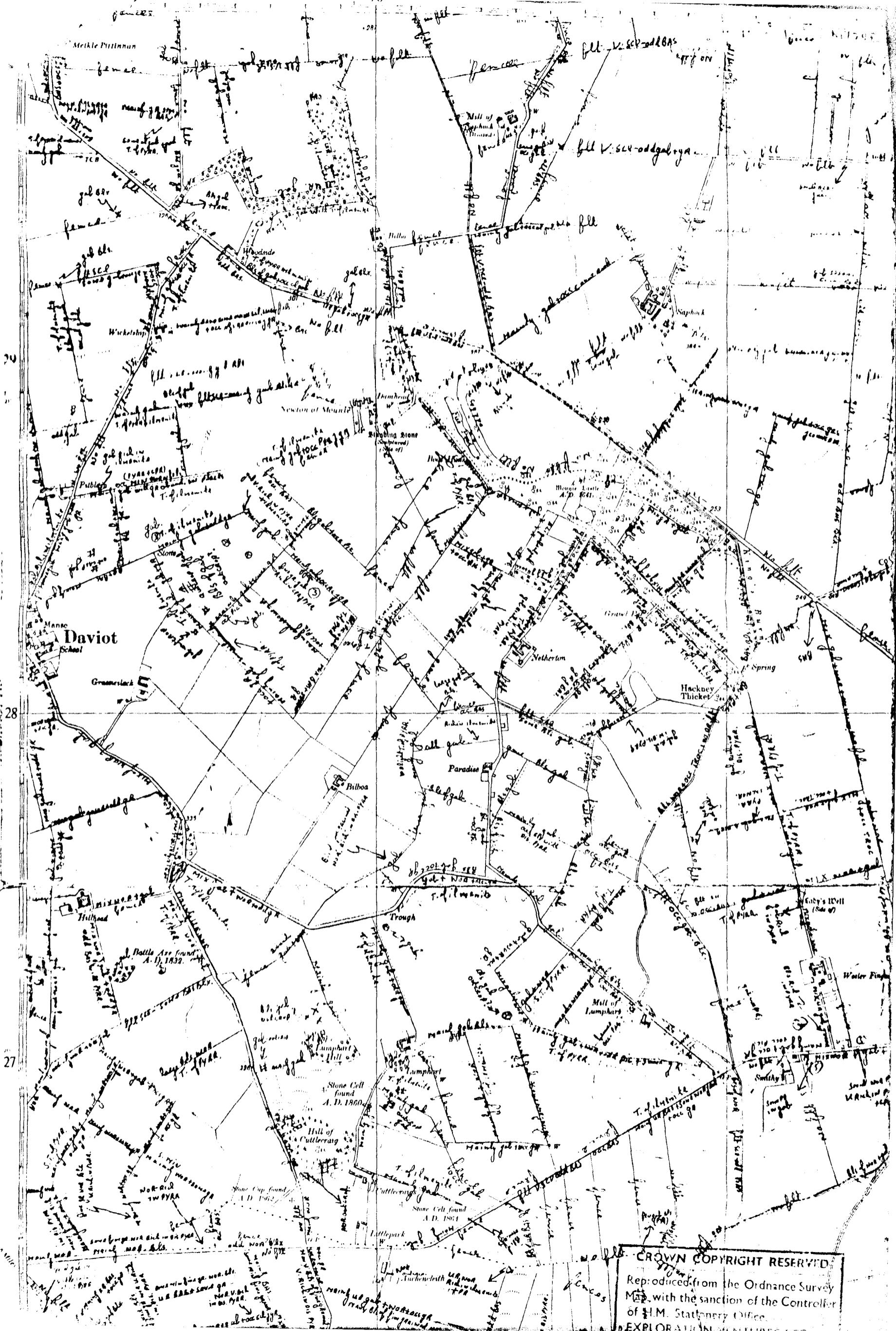


**EXPLORATION VENTURES LTD.**

TITLE **OLDMELDRUM DISTRICT, ABERDEENSHIRE**  
**GEOLOGICAL FIELD SHEET.**

Scale 6" : 1 mile.	Prepared J.D. + R.B.	Drawn J.D. + R.B.	FIG. No.
OS Sheet No. WEST HALF NJ 72 NE	Revised	Date AUG 1971.	

Inverurie 2 1/2 Miles  
 77  
 WEST ABERDEENSHIRE CO CO



Metkle Pittman

Mill of  
Daphnuk  
Pittman

Mill of  
V. S. C. - odd gal oya

Wickiship

Newton of Mount

Shipping Stone

Daviot  
School

Netherlam

Hackney  
Thicket

Bilboa

Paradise

Trough

Mill of  
Lumphart

Stone Cell  
found  
A. D. 1860

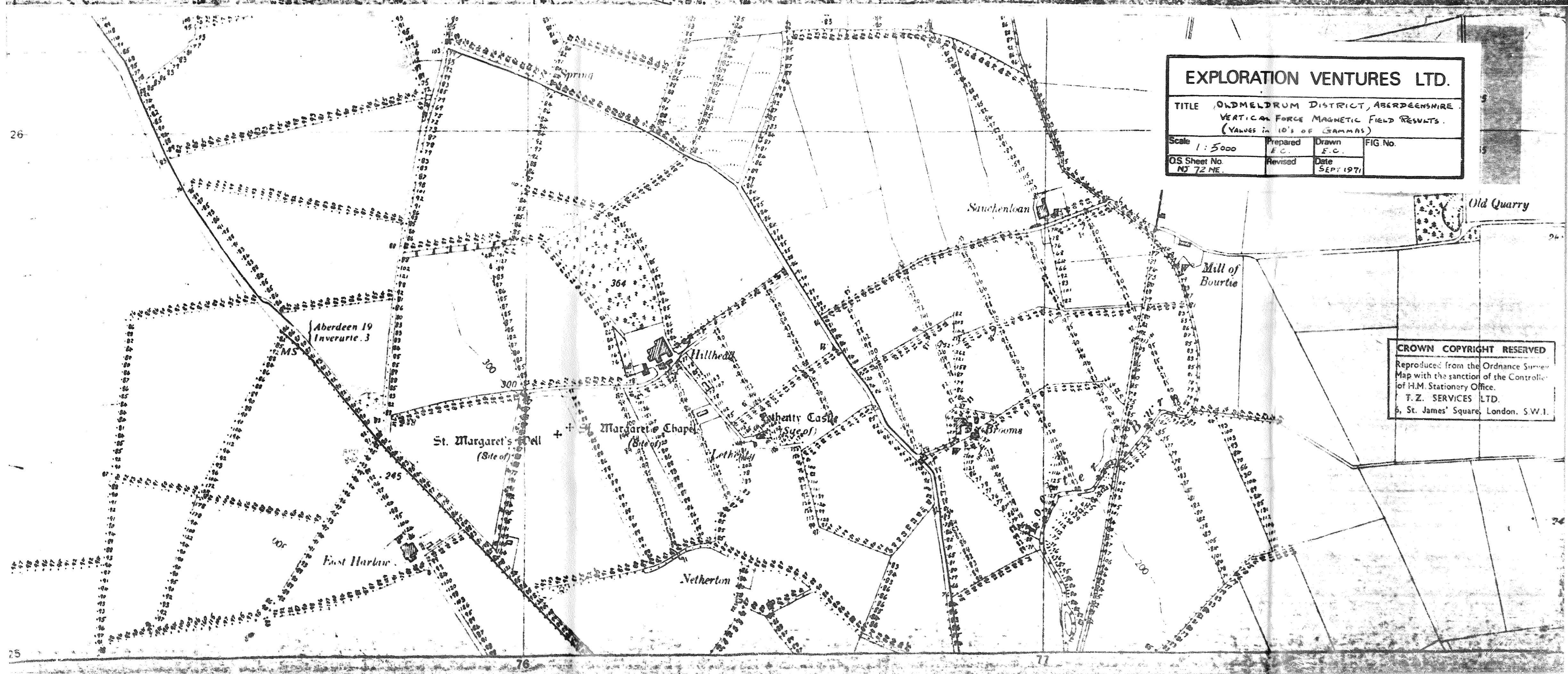
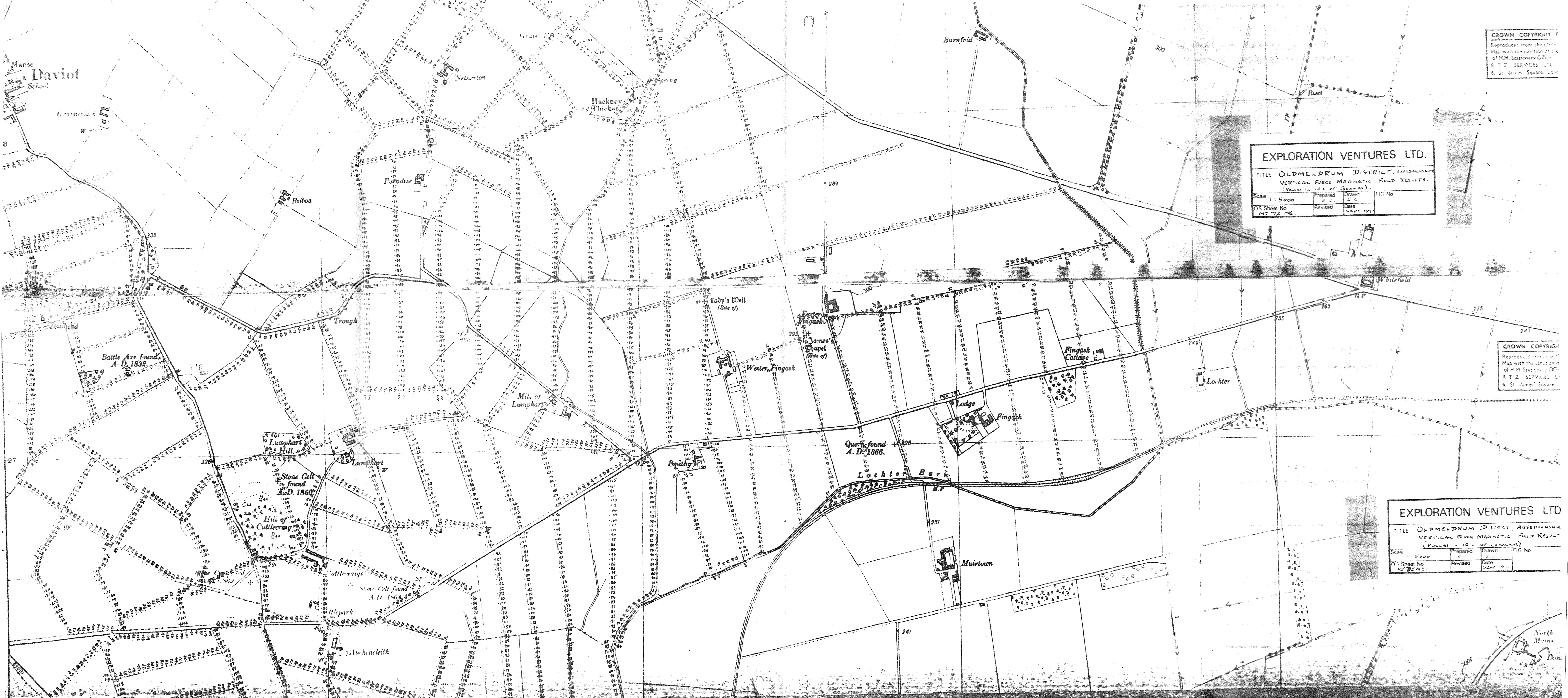
Hill of  
Cullerang

Stone Cell found  
A. D. 1862

Stone Cell found  
A. D. 1864

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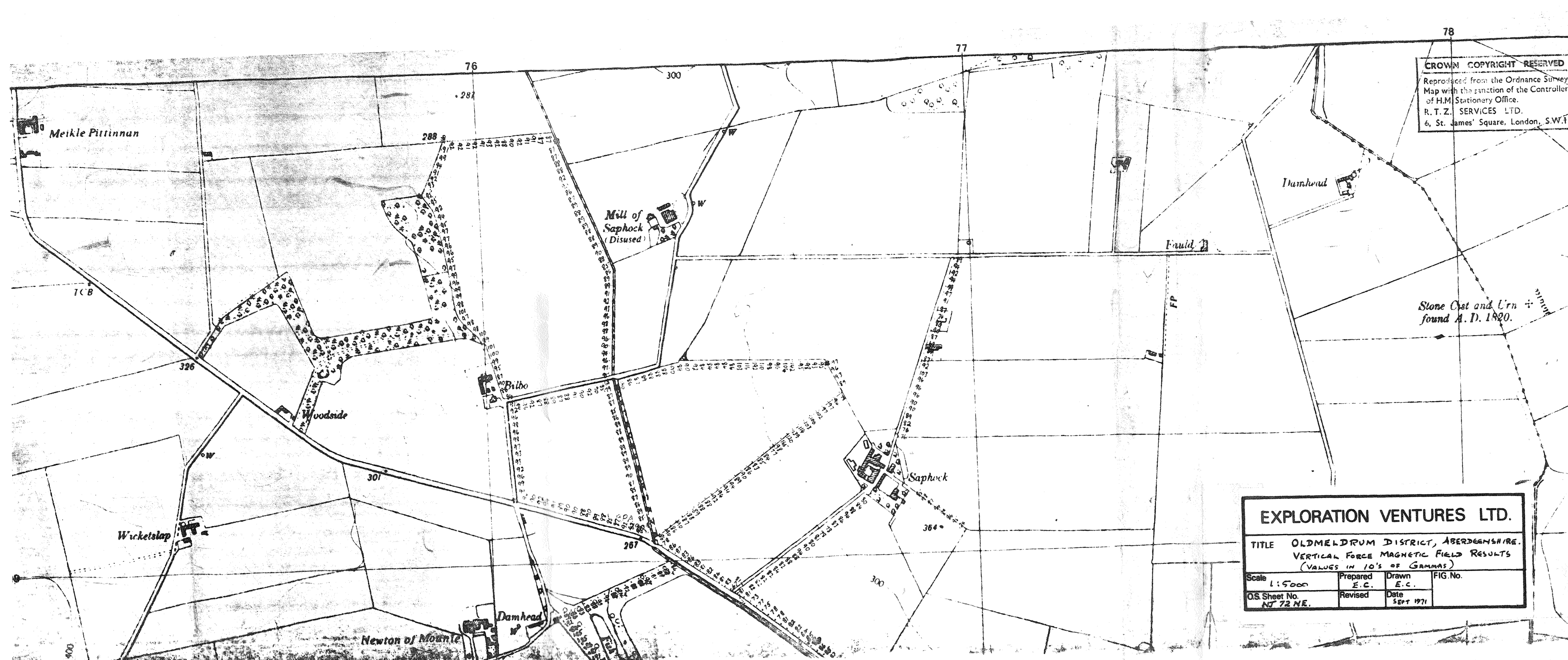
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**EXPLORATION VENTURES LTD.**  
 TITLE OLDMELDROM DISTRICT, ABERDEENSHIRE  
 VERTICAL FORCE MAGNETIC FIELD RESULTS.  
 (VALUES IN 10'S OF GAMMAS)

Scale 1:5000	Prepared E.C.	Drawn E.C.	FIG No.
OS Sheet No. 72 NE	Revised	Date SEP 1971	

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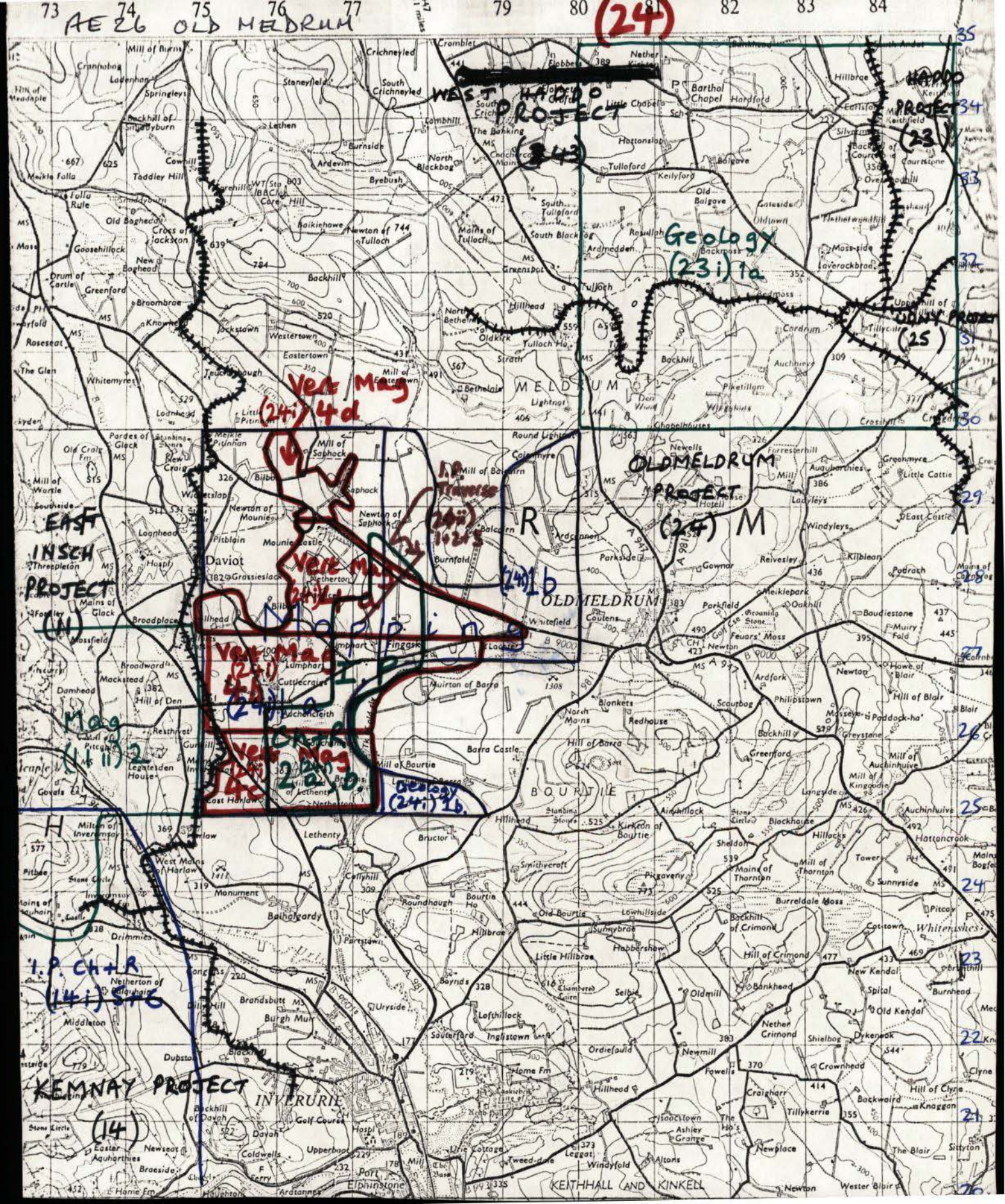
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73 AE 26 OLD MELDRUM 75 76 77

(24)

WEST HADDO PROJECT (24)

Geology (23) 1a

Vest Mags (24) 4d

Vest Mags (24) 12d  
Vest Mags (24) 14d  
Vest Mags (24) 16

OLD MELDRUM PROJECT (24) M

EAST INSCH PROJECT (14)

I.P. CH+R (14) 5+6

KEMNAY PROJECT (14)

INVERURIE

KEITHHALL AND KINKEL