

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

COMPANY: EXPLORATION VENTURES LTD

REF: AE 25

MRD 84/5/19

PROJECT: HADDO

MRD 144/5/19

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 consideration" with accompanying Location plan. 1" : 4 mile
- Geological report 9 August to 31 December 1971 with the following enclosures:
 - Location map of project area, 1" : 4 miles
 - Geological field sheets, with explanatory text

NJ 83 SW (East and west half)

NJ 83 NW (" " " ")

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 Haddo

3. Applicants' organisation
& financial structure

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

4. Outline of proposed project,
including geological considerations

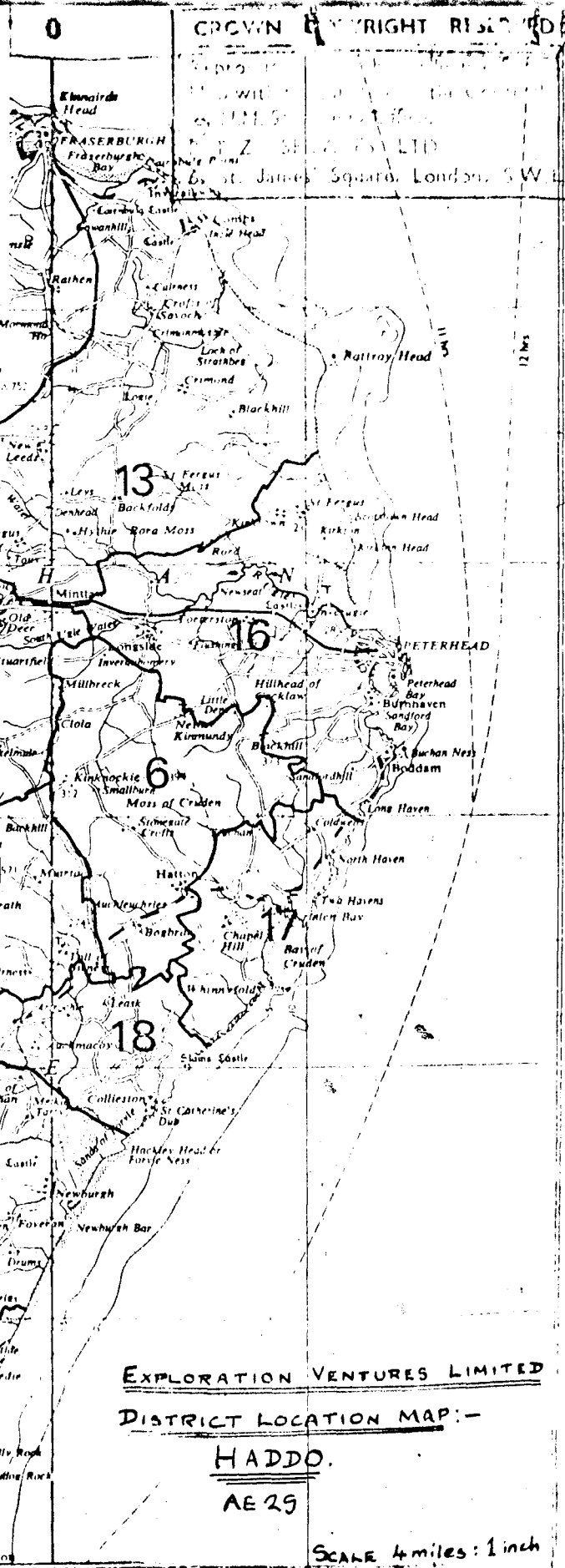
This area has Dalradian metamorphics intruded by the Haddo basic body proved by geochemical stream and soil reconnaissance and geophysical induced polarisation, magnetic and electromagnetic surveys over most of the intrusive. The area has also been extensively geologically mapped. The minerals sought are Ni, Cu sulphides and any associated minerals.

5. Work programme and
cost of project

This programme entails geophysical induced polarisation and magnetic surveys over selected parts of the area which would take approximately one month to complete.

ADMINISTRATIVE AREAS IN HIGHNEXS SECTOR

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



CGF
RTZ

EXPLORATION VENTURES LIMITED

DISTRICT LOCATION MAP: -

HADDO.

AE 29

SCALE 4 miles: 1 inch

GEOLOGICAL NOTES ON O.S. SHEET NJ 83 NW

HADDO DISTRICT, ABERDEENSHIRE

Throughout most of the area good distribution of float, though in NW section of map no float found except for outcrop of rounded pebbles. Numerous outcrops of andalusite schist and pebbly grit, mainly on banks of River Ythan. In extreme NE, very abundant outcrops of these rocks. In NW, few outcrops of purple hornfelsic schists were found. No sulphides were found in this area.

Nearly all rocks found were metamorphic - the majority being andalusite schists and metamorphosed grit. The andalusite schist consisted of both light and dark schists with andalusite crystals and usually in angular blocks. The pebbly grit often more rounded than the schists, ranged from a fine grit through to a very coarse pebbly grit. Large number of micaceous, siliceous and hornfelsic schists were also found in certain areas, especially in the west. Quartzite was distributed generously throughout the map. No contaminated rocks were found in the area, though a few hornfelsic rocks were located.

In SW, pink granite dyke was located in several walls. Granite was of medium to coarse grained with pegmatite and vein quartz closely associated with it. Vein quartz was also found in other areas as well.

No trace of basics and ultrabasics in map except for rare rounded dolerite blocks.

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

Geological Report: Haddo AE 25.

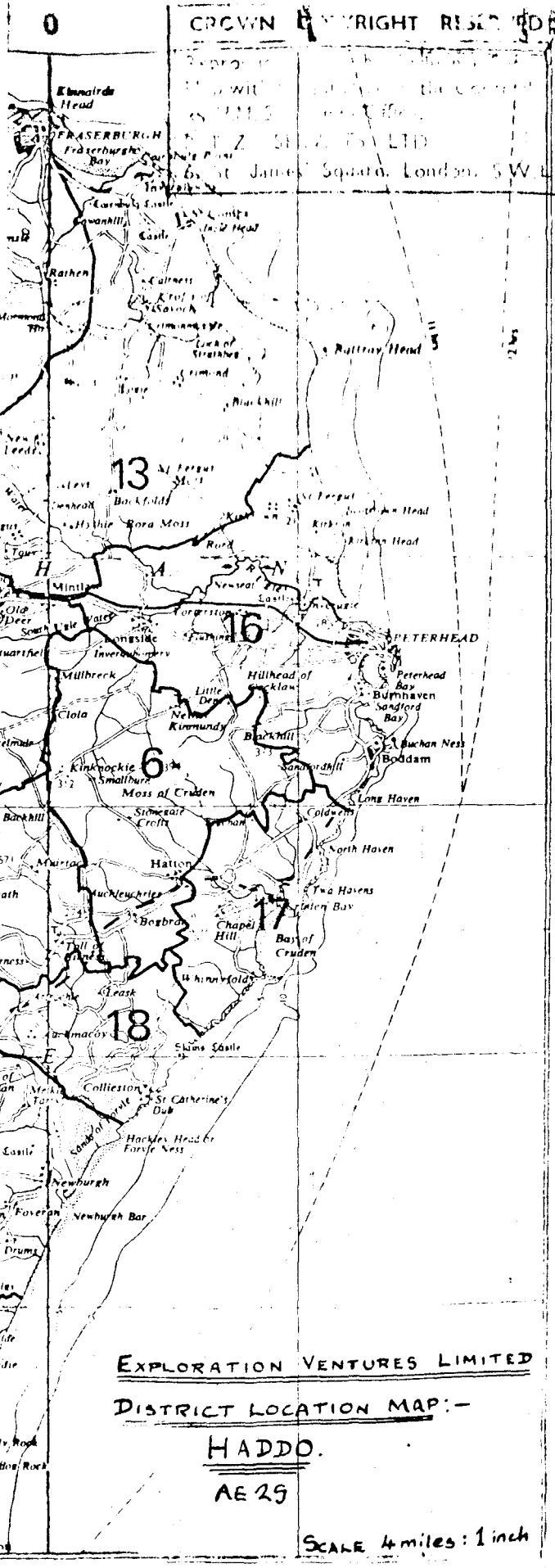
Only a programme of reconnaissance geological mapping was undertaken over the northern section of the area during the period 9th August - 31st December 1971. The scheduled geophysical survey work was delayed owing to equipment being tied up on surveys on other projects.

Enclosures: Geological field sheets.

- NJ 83 SW (E & W halves) + LexC
- NJ 83 NW (" " ") " "

ADMINISTRATIVE AREAS IN RHIFINEX'S SECTOR

- | | |
|--------------------|-------------------------|
| 1 Arthra - Dudwick | 10 Udry |
| 2 Kinharrachie | 11 Quilquox |
| 3 Balquhindachie | 12 West Haddo |
| 4 Belhelvie | 13 Strichen - Crimond |
| 5 Criche | 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: -

HADDO.

AE 29

SCALE 4 miles: 1 inch

CGF
RIZ

GEOLOGICAL NOTES ON O.S. SHEET NJ 83 NW

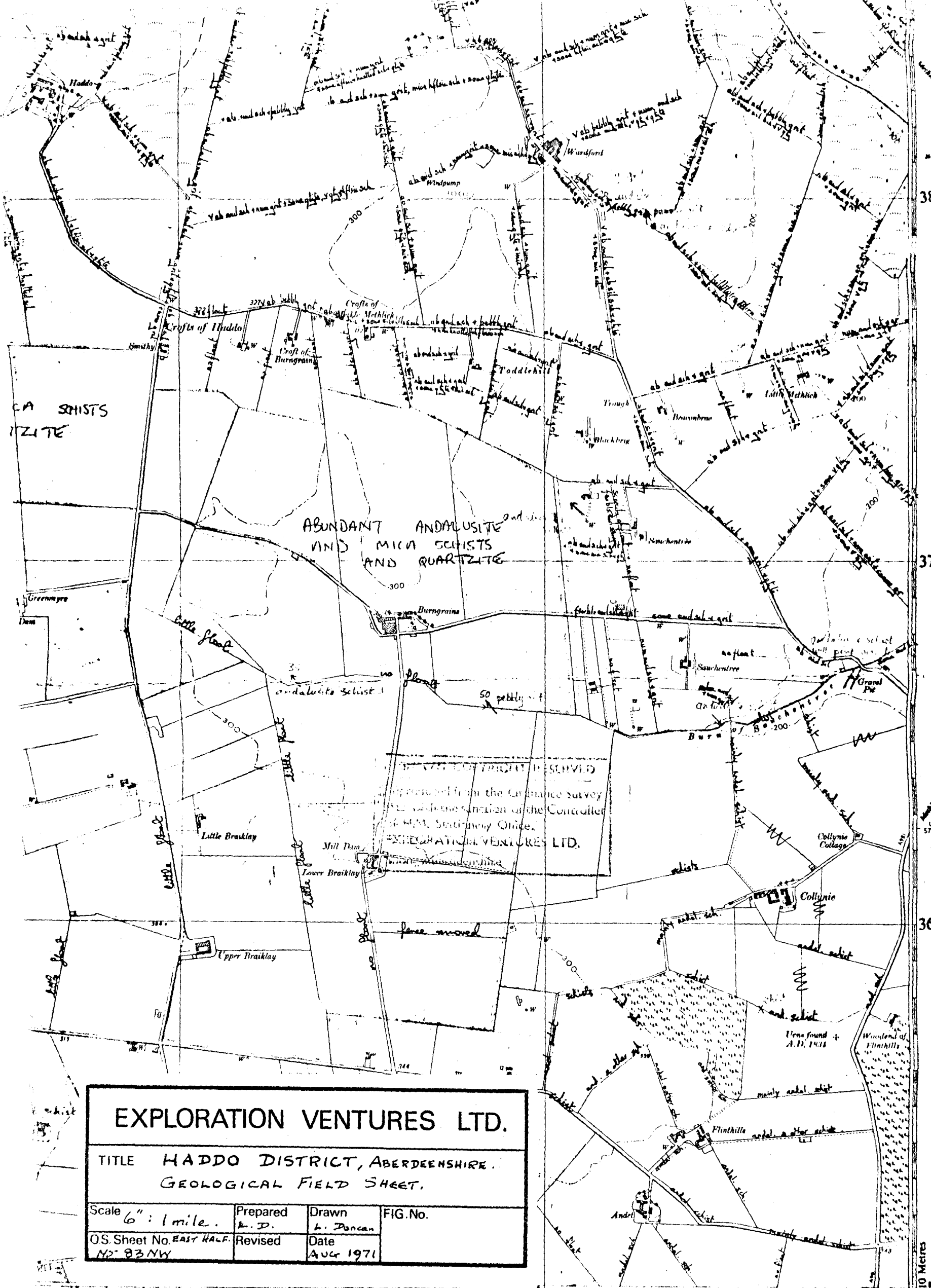
HADDO DISTRICT, ABERDEENSHIRE

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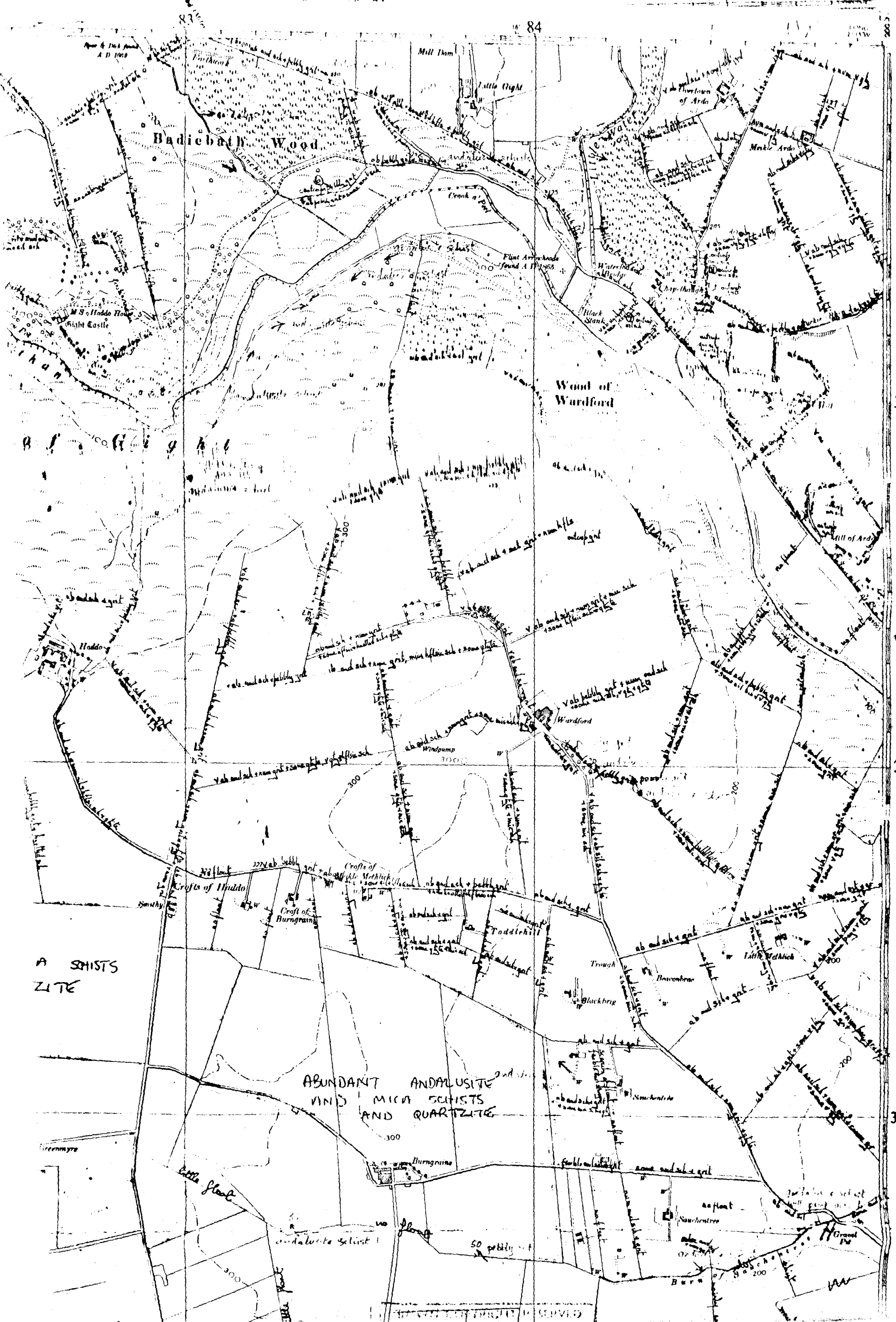
Nearly all rocks found were metamorphic - the majority being andalusite schists and metamorphosed grit. The andalusite schist consisted of both light and dark schists with andalusite crystals and usually in angular blocks. The pebbly grit often more rounded than the schists, ranged from a fine grit through to a very coarse pebbly grit. Large number of micaceous, siliceous and hornfelsic schists were also found in certain areas, especially in the west. Quartzite was distributed generously throughout the map. No contaminated rocks were found in the area, though a few hornfelsic rocks were located.

In SW, pink granite dyke was located in several walls. Granite was of medium to coarse grained with pegmatite and vein quartz closely associated with it. Vein quartz was also found in other areas as well.

No trace of basics and ultrabasics in map except for rare rounded dolerite blocks.



EXPLORATION VENTURES LTD.			
TITLE HADDO DISTRICT, ABERDEENSHIRE GEOLOGICAL FIELD SHEET.			
Scale 6" : 1 mile.	Prepared K. D.	Drawn L. Duncan	FIG. No.
OS Sheet No. EAST HALF N ^o 83 NW	Revised	Date Aug 1971	

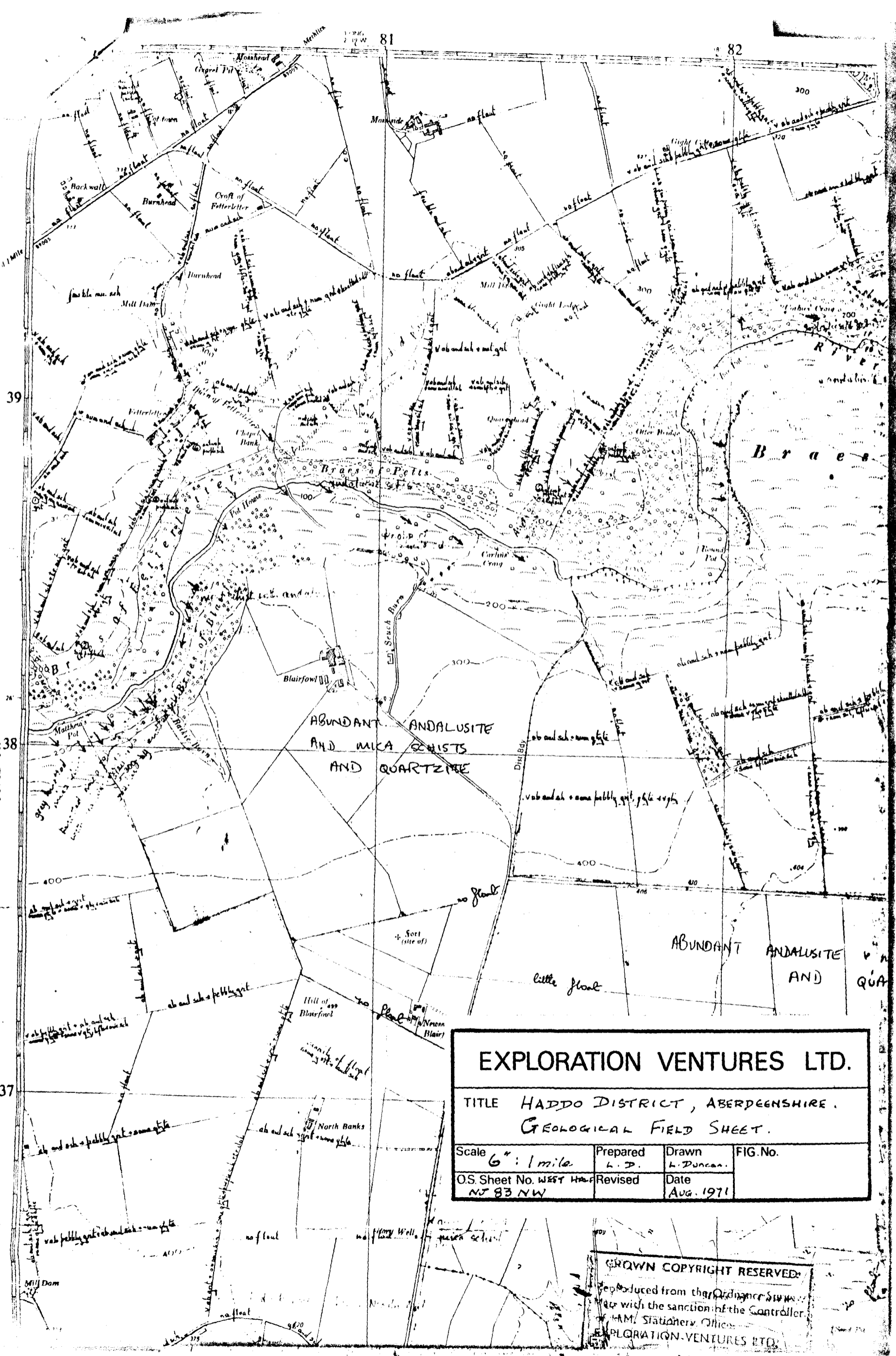


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METHLICK PH

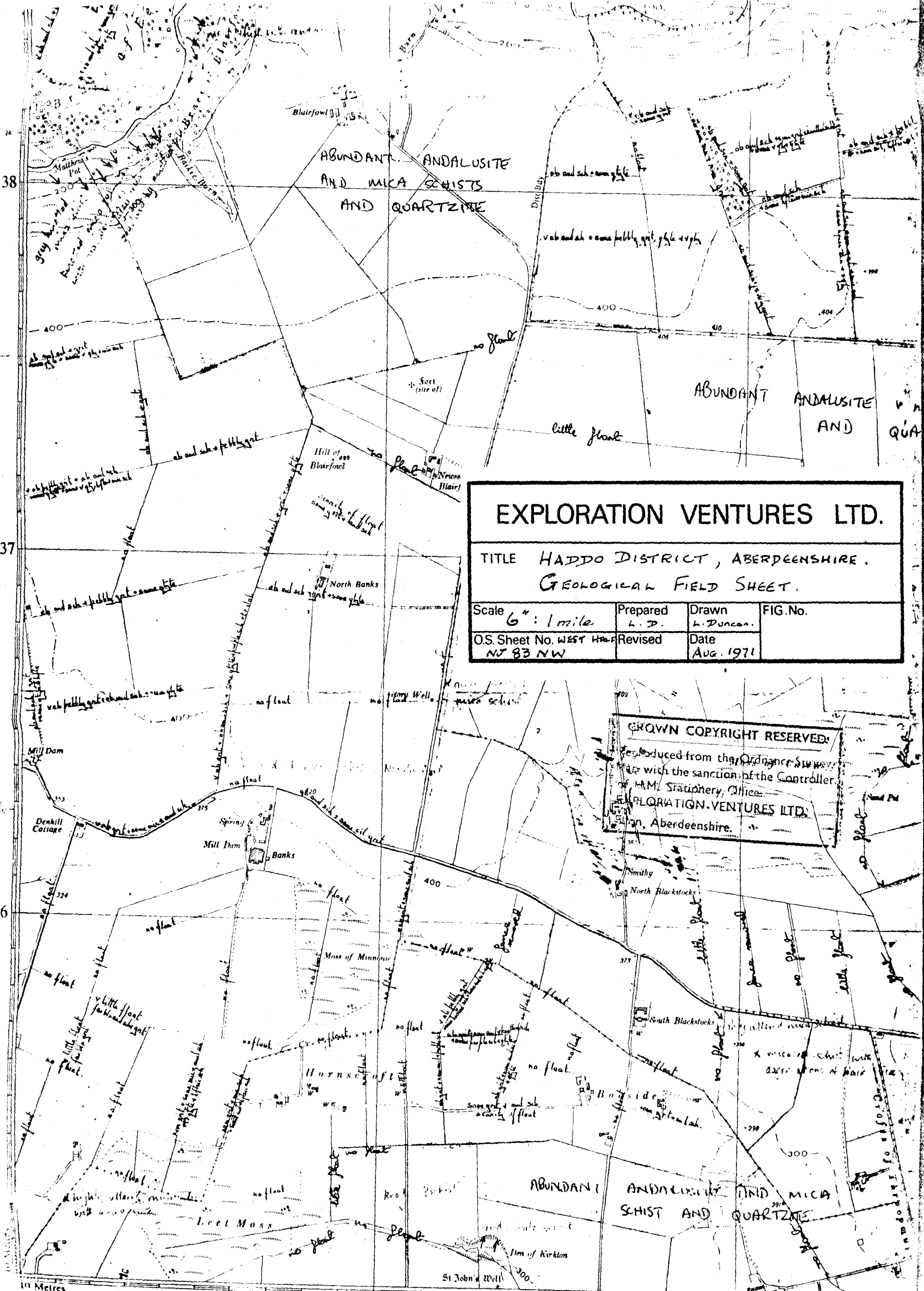


ABUNDANT ANDALUSITE
AND MIKA SCHISTS
AND QUARTZITE

ABUNDANT ANDALUSITE
AND QUARTZITE

EXPLORATION VENTURES LTD.			
TITLE HADDO DISTRICT, ABERDEENSHIRE. GEOLOGICAL FIELD SHEET.			
Scale 6" : 1 mile	Prepared L. D.	Drawn L. Duncan.	FIG. No.
O.S. Sheet No. WEST HADDON NW 83 NW	Revised	Date AUG. 1971	

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TITLE HADDO DISTRICT, ABERDEENSHIRE.
GEOLOGICAL FIELD SHEET.

Scale 6" : 1 mile	Prepared L. D.	Drawn L. Duncan.	FIG. No.
O.S. Sheet No. WEST HADDO NT 83 NW	Revised	Date Aug. 1971	

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GEOLOGICAL NOTES ON O.S. SHEET NJ 83 SW

HADDO DISTRICT, ABERDEENSHIRE

Fundamentally an area of very abundant and diverse metamorphics, the sheet shows three main concentrations of basic or ultrabasic float, two mapped previously.

With respect to the metamorphic rocks, it should be noted that, in the majority of cases, the metamorphic float was mixed in any one wall, but dominated by the type indicated by the old manuscript, of which very few actual outcrops now remain.

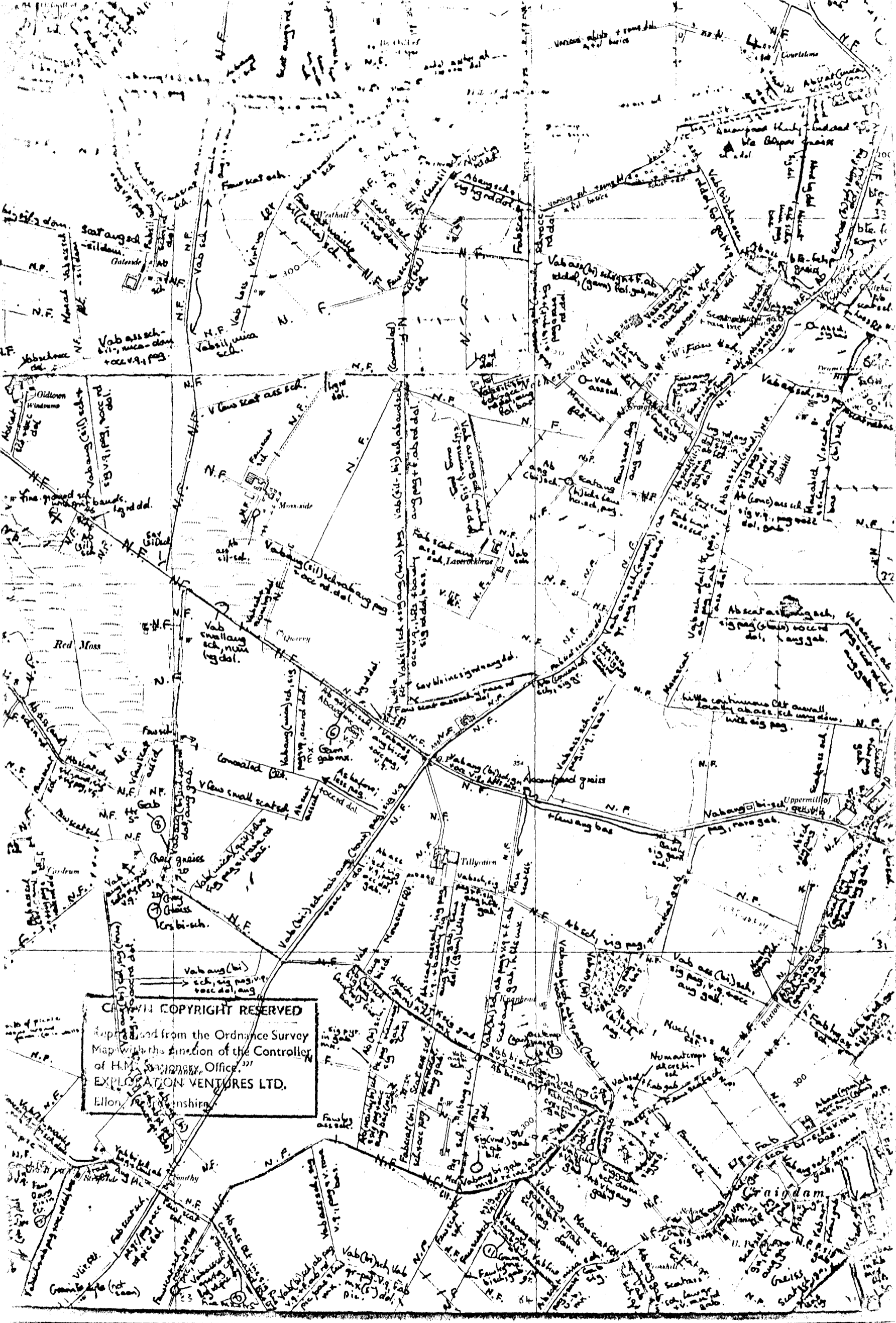
However, andalusite schists dominated in the north, grading south through a series of siliceous schists and pebbly grits of various grain size, to predominantly biotite schists and gneisses to the extreme south where a dark garnetiferous variety (sample 13) outcropped. Several newer outcrops correspond to the surface float patterns observed.

Pegmatites, usually with abundant well developed tourmaline but no sulphide mineralisation, reached maximum distribution to the east (sample 12) and south, probably grading into a finer muscovite (pink) granite in the extreme south-east. Vein quartz was fairly common throughout the region, cutting through the metamorphic rocks and visible at a few outcrops (sample 4). Almost entirely barren, only one recorded sample (9) contained a little possible graphite. An occurrence of (quartz) felsite was confined to the extreme north-west (3).

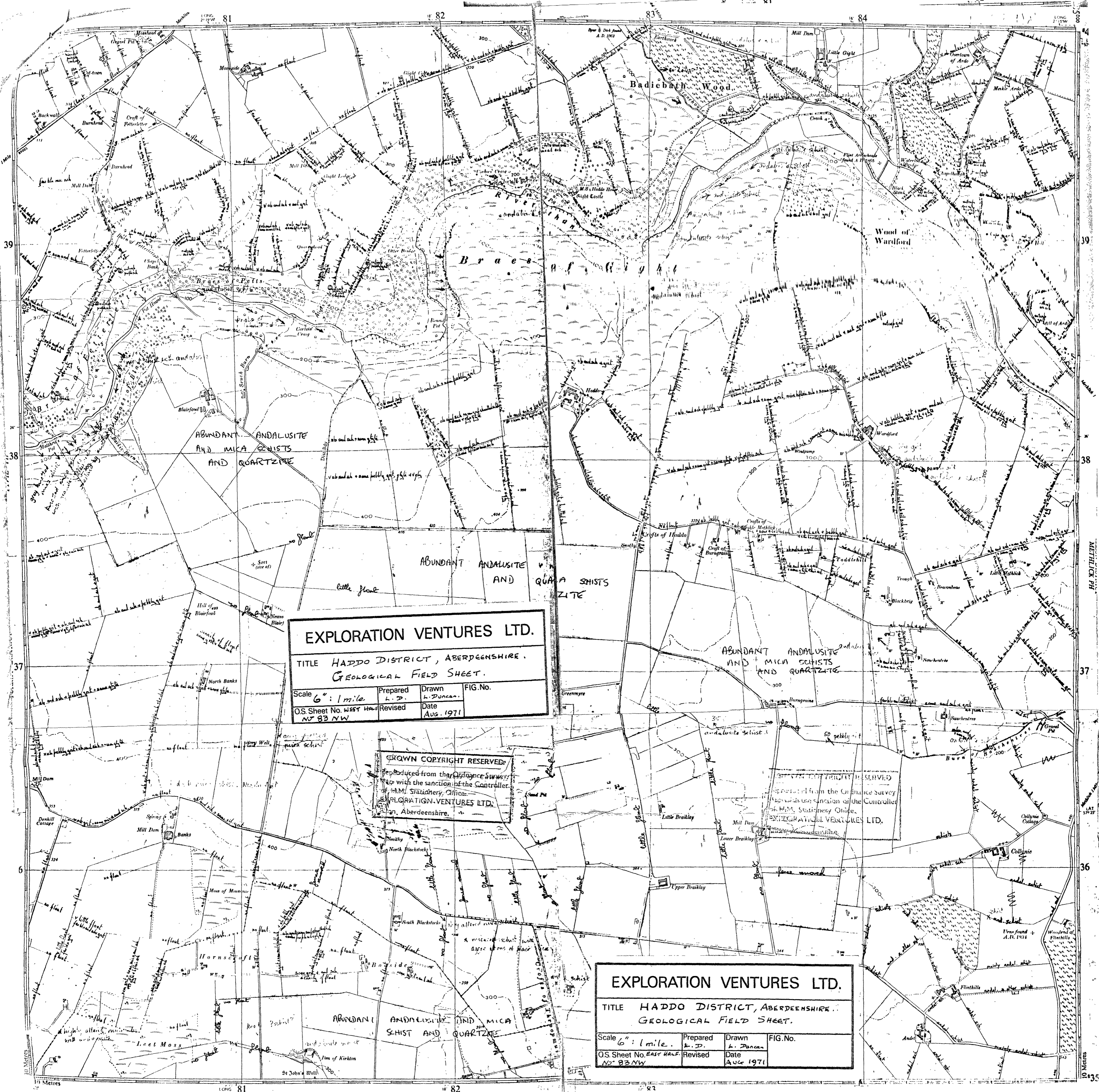
Float from the area of a previously mapped outcrop of foliated basics in the north-east occurred only very locally but more widespread and abundant was float derived from an associated dolerite intrusion. While only being significant in the north-east, round blocks of dolerite had a scattered distribution in a broad, roughly east-west belt across the centre of the area. Virtually no sulphides were noted in any of the blocks.

Another previously mapped region to the south centre of the sheet had significant occurrences of picrite and troctolite with traces of sulphides occasionally occurring. Minor dunite is also recorded.

The third main basic concentration was essentially gabbroic and occurred to the east of the ultrabasics. Traces of sulphides of various types occurred in these bluish (biotite rich) gabbros and associated occasionally garnetiferous contaminated rocks (samples 8, 10). Slightly confusing in this area was the presence - already mentioned - of an outwardly similar garnetiferous biotite schist.



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ABUNDANT ANDALUSITE
AND MICA SCHISTS
AND QUARTZITE

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AND QUARTZITE

ABUNDANT ANDALUSITE
AND MICA SCHISTS
AND QUARTZITE

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TITLE HADDO DISTRICT, ABERDEENSHIRE.
GEOLOGICAL FIELD SHEET.

Scale 6" : 1 mile	Prepared L. D.	Drawn L. Duncan.	FIG. No.
O.S. Sheet No. WEST HALF NO 83 NW	Revised	Date	Aug. 1971

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TITLE HADDO DISTRICT, ABERDEENSHIRE.
GEOLOGICAL FIELD SHEET.

Scale 6" : 1 mile.	Prepared L. D.	Drawn L. Duncan	FIG. No.
O.S. Sheet No. EAST HALF NO 83 NW	Revised	Date	Aug 1971

ABUNDANT ANDALUSITE
SCHIST AND QUARTZITE

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TITLE HADDO DISTRICT, ABERDEENSHIRE.
GEOLOGICAL FIELD SHEET.

Scale 6" : 1 mile.	Prepared D. B.	Drawn D. B.	FIG. No.
O.S. Sheet No. EAST HALF N7 83 SW.	Revised	Date AUG 1971	

EXPLORATION VENTURES LTD.

TITLE HADDO DISTRICT, ABERDEENSHIRE
GEOLOGICAL FIELD SHEET.

Scale 6" : 1 mile.	Prepared D. B.	Drawn D. B.	FIG. No.
O.S. Sheet No. WEST HALF N7 83 SW.	Revised	Date AUG 1971	

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