

ANCIENT MONUMENTS LABORATORY GEOPHYSICS SECTION

REPORT ON MAGNETOMETER SURVEY

SURVEY: Frase-an-Beeble, Cornwall

DATE: 11-12 March, 1978

Report no. 11/78

1. SITE

OS grid reference: SW 6380 3555

Field no. -

Location: Crowan parish

Geology: Metamorphosed slate at the edge of granite

Archaeological evidence: Hedges and curved wall on S side of field may define part of an enclosure.

2. SURVEY

Object: To locate any earthwork and test for evidence of occupation.

(a) Magnetic survey

Type of survey: plotted with chart recorder

Magnetometer: Plessey fluxgate Range: 0-100 γ

Initial chart recorder settings - Y: 16 γ/cm
X: 1:200 scale

Logged for computing: ~~yes~~/no

(b) Other tests

(i) Magnetic susceptibility:

topsoil: 183.5 subsoil: 16.7 fill: - $\times 10^{-6}$ emu/gm
(ac bridge readings)

(Subsoil sample from bank next to old railway station.)

Survey grid measured to: corners of field and hedges, see plan 2.

Plans/charts enclosed:

1. Approximate location of survey, 1:10560
2. Magnetometer traces with interpretation and measurements, 1:500.

3. RESULTS

A single ditch about 1m wide crosses the survey some 30m from the wall at the S end of the field. Very few other features are visible and no part of the chart appears significantly more disturbed than another. The traces show general slight magnetic disturbance of the site and archaeology may be among the factors contributing to this.

The magnetic susceptibility reading from the sample of subsoil from the bank by the old railway line may be misleading, but if not there is good magnetic contrast between the topsoil and subsoil. Conditions should therefore be favourable for archaeological detection, but there might also be a response to any slight natural variation in depth or distribution of topsoil.

There is nowhere any group of magnetic anomalies clearly distinguishable as archaeological by magnitude or concentration, but the anomalies labelled A and B in square 2 are perhaps more likely than others to represent any remains of occupation that might be present. Those marked in square 4 might also be significant.

Surveyed and reported by: A. Bartlett

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PRAZE-AN-BEEBLE

MAGNETOMETER SURVEY
Location

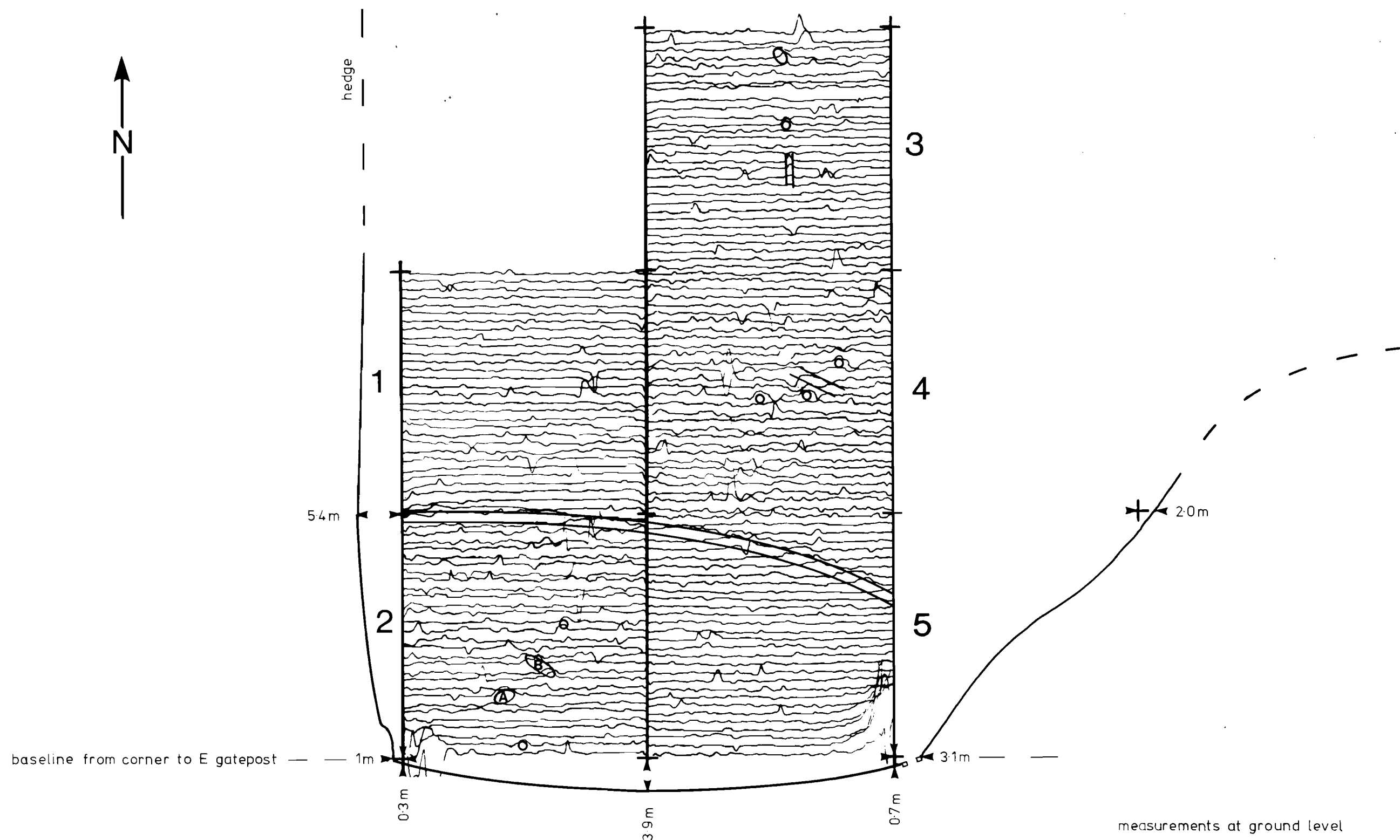
Survey no. 11/78

☐ magnetometer squares

NG ref. SW63803555

1: 10560

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Geophysics Section



Survey no. 11/78

PRAZE-AN-BEEBLE

NG ref. SW 63803555

+ grid pegs

MAGNETOMETER SURVEY

= O magnetic anomalies

0 1:500 30m

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