

ANCIENT MONUMENTS LABORATORY GEOPHYSICS SECTION

REPORT ON MAGNETOMETER SURVEY

SURVEY: Wondron, Cornwall

DATE: 9-11 March, 1978

Report no. 10/78

1. SITE

OS grid reference: SW 6775 3065

Field no. -

Location: see plan

Geology: Granite

Archaeological evidence: Large circular cropmark in centre of field.

2. SURVEY

Object: To test whether the cropmark represents a settlement enclosure.

(a) Magnetic survey

Type of survey: traverses plotted at 1m spacing with chart recorder.

Magnetometer: Hlessey fluxgate Range: 0-100  $\gamma$

Initial chart recorder settings - Y: 16  $\gamma/cm$   
X: 1:200 scale

Logged for computing: ~~yes~~/no

(b) Other tests

(i) Magnetic susceptibility:

topsoil: 100 subsoil: - fill: -  $\times 10^{-6}$  emu/gm  
(ac bridge readings)

(ii) -

Survey grid measured to: field boundaries. Ranging poles placed as shown at foot of E wall of field taken as baseline.

Plans/charts enclosed:

Plan is based on interpretation of field survey charts and shows location of 30m grid squares and magnetic anomalies.

### 3. RESULTS

Conditions here would appear suitable for magnetic detection but the expected circular enclosure was not observed. Instead there are two parallel double ditches across the survey area and curved ditches towards the two ends of the field. These features and the others shown on the plan were all clearly visible against a comparatively quiet background in the original survey charts.

There is no reason to suppose the linear ditches are modern field drains or pipes and they are presumably archaeological. If the curved ditches join to form a single enclosure it must be about 150m across and extend considerably beyond the edge of the field to the S. The cropmark is roughly 100m in diameter and would fall between the curved ditches as plotted. Without more evidence of the site conditions reasons for the discrepancy between the AI and survey can only be speculated at. Perhaps the feature causing the cropmark is superficial and too slight to be detected. The response from the enclosure surveyed on granite at Raginnis was also erratic.

The magnetic anomalies most likely to represent any remains of occupation that may be present were found in squares 13 and 14 at the W end of the field. Strong individual features such as those were lacking elsewhere but some weaker and more doubtful ones were detected, including those marked in square 18.

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Surveyed and reported by: A. Bartlett

with: G. McDonnell

For: N. Johnson

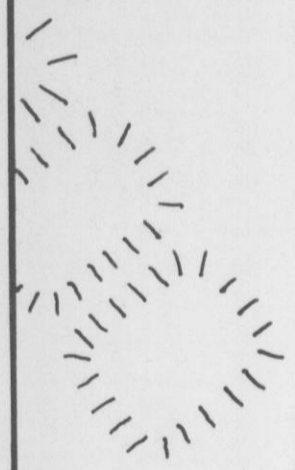
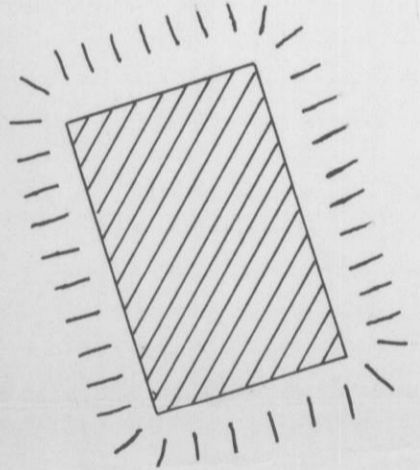
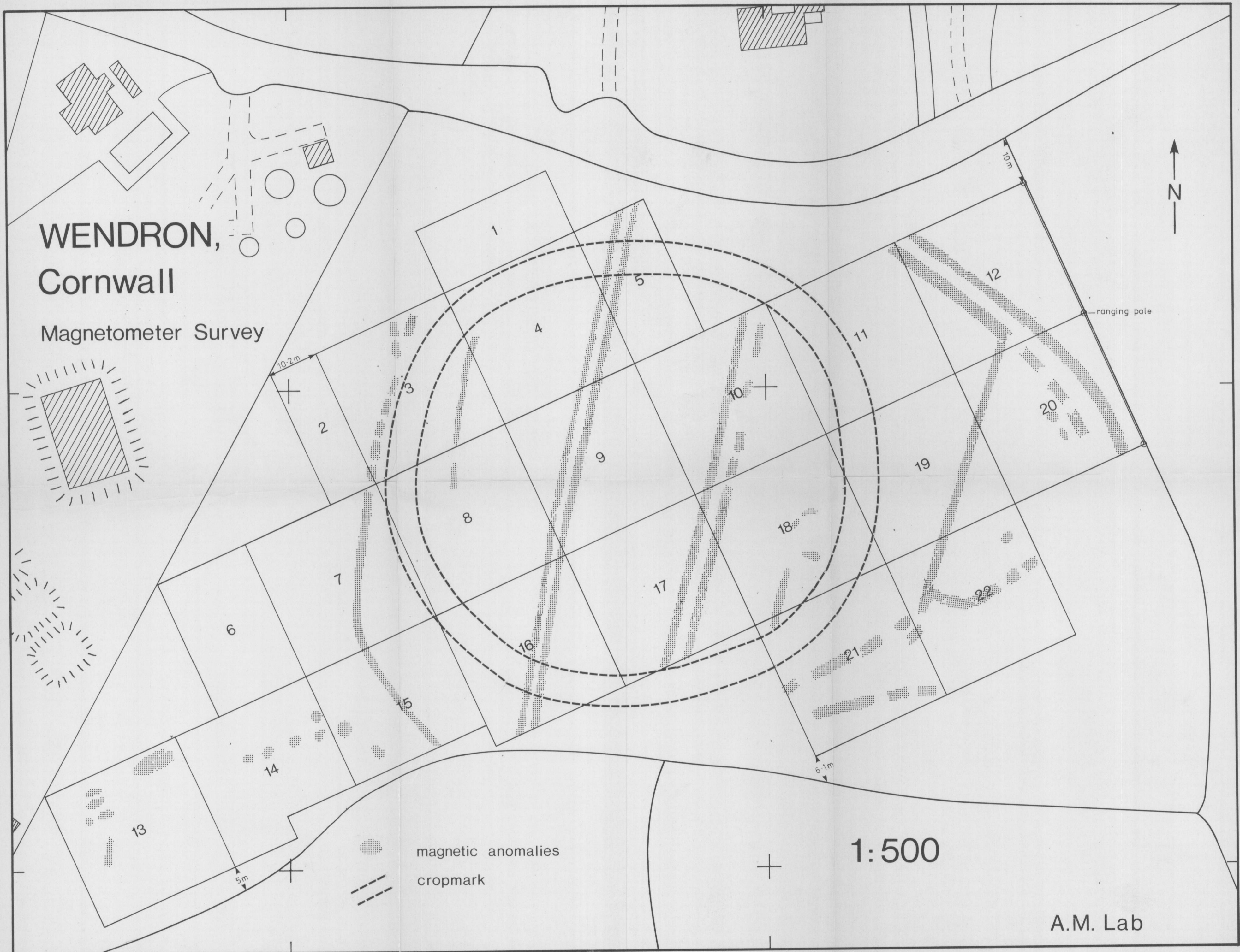
Date of report: 7th July, 1978



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# WENDRON, Cornwall

## Magnetometer Survey



 magnetic anomalies  
 cropmark

1:500

A.M. Lab