

Northleach by-pass: Report on geophysical survey near Burn Ground, Hampnett, Glos.

Date of survey: 15/9/82

Report no. G 24/82

Plans enclosed: Location (1 : 2500)

Magnetometer traces (1 : 500)

The magnetometer survey here was carried out over that part of the by-pass route nearest to W. F. Grimes' excavations (1940 - 1) of a long barrow, round barrows and Anglo-Saxon burials (see location plan). In the hope of locating related features, an area 30 x 90 m was surveyed using a fluxgate magnetometer over 30 m traverses spaced at 1 m intervals. The signal was plotted with a field chart recorder and the traces are reproduced on the second plan enclosed.

The magnetic response throughout the area is generally very quiet, and there appear to be only a very few small and discrete magnetic anomalies, outlined in red on the plan, which may represent pits. More substantial features were not detected, although degraded walling, rubble, and minor features cannot be expected to be defined above the background soil noise. Topsoil magnetic susceptibility here is high, as would be expected over the Jurassic limestone, at 71.7×10^{-6} SI units/kg., and the conditions for magnetic detection consequently favourable. Burials or cremations are rarely detectable even in good conditions, but it is still a possibility that these may be responsible for the anomalies observed.

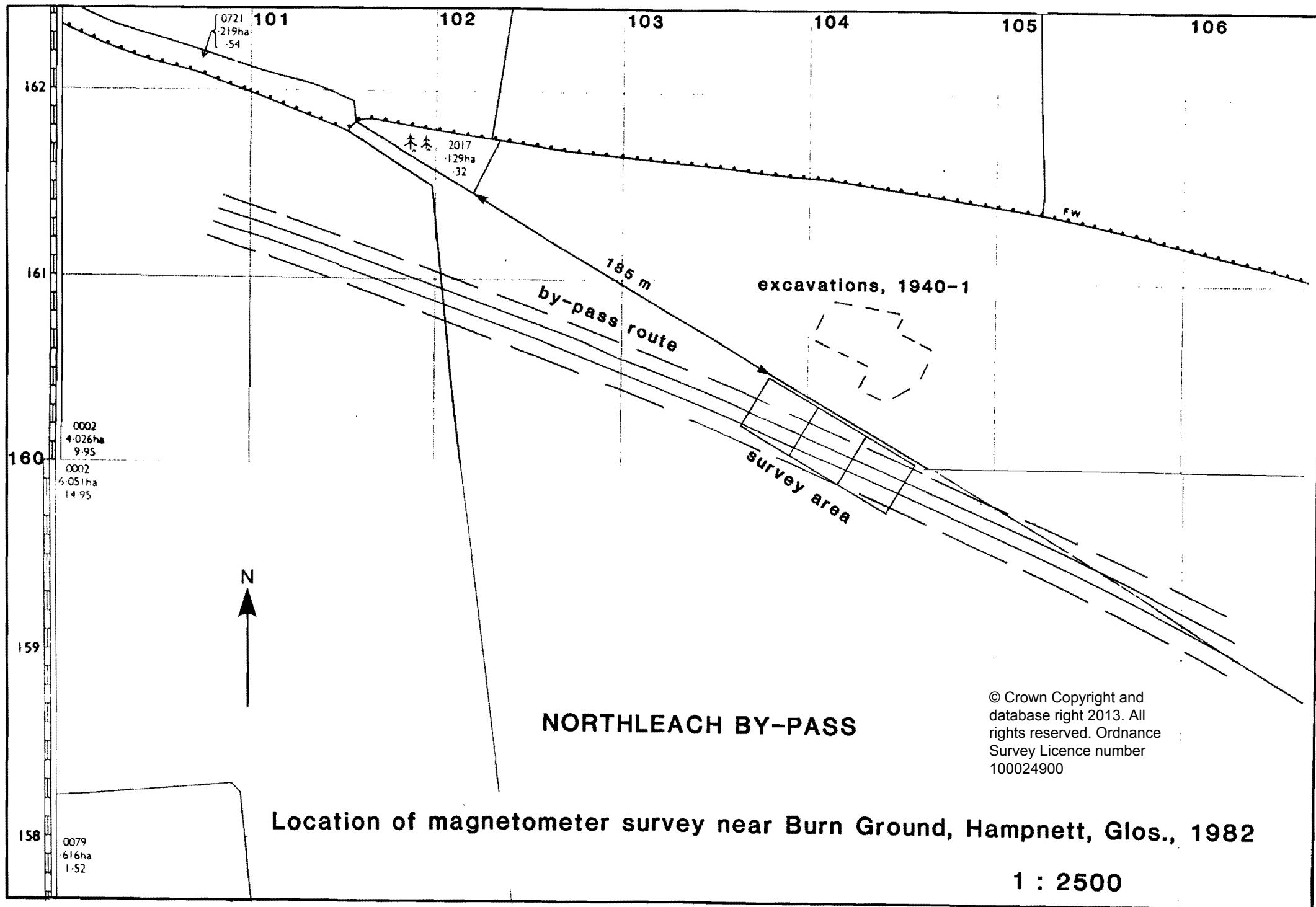
The area of the excavations and the ground between this and the survey was scanned with the magnetometer but no additional anomalies were found. Scanning also proved negative over the site of a possible building at NG SP 1039 1571.

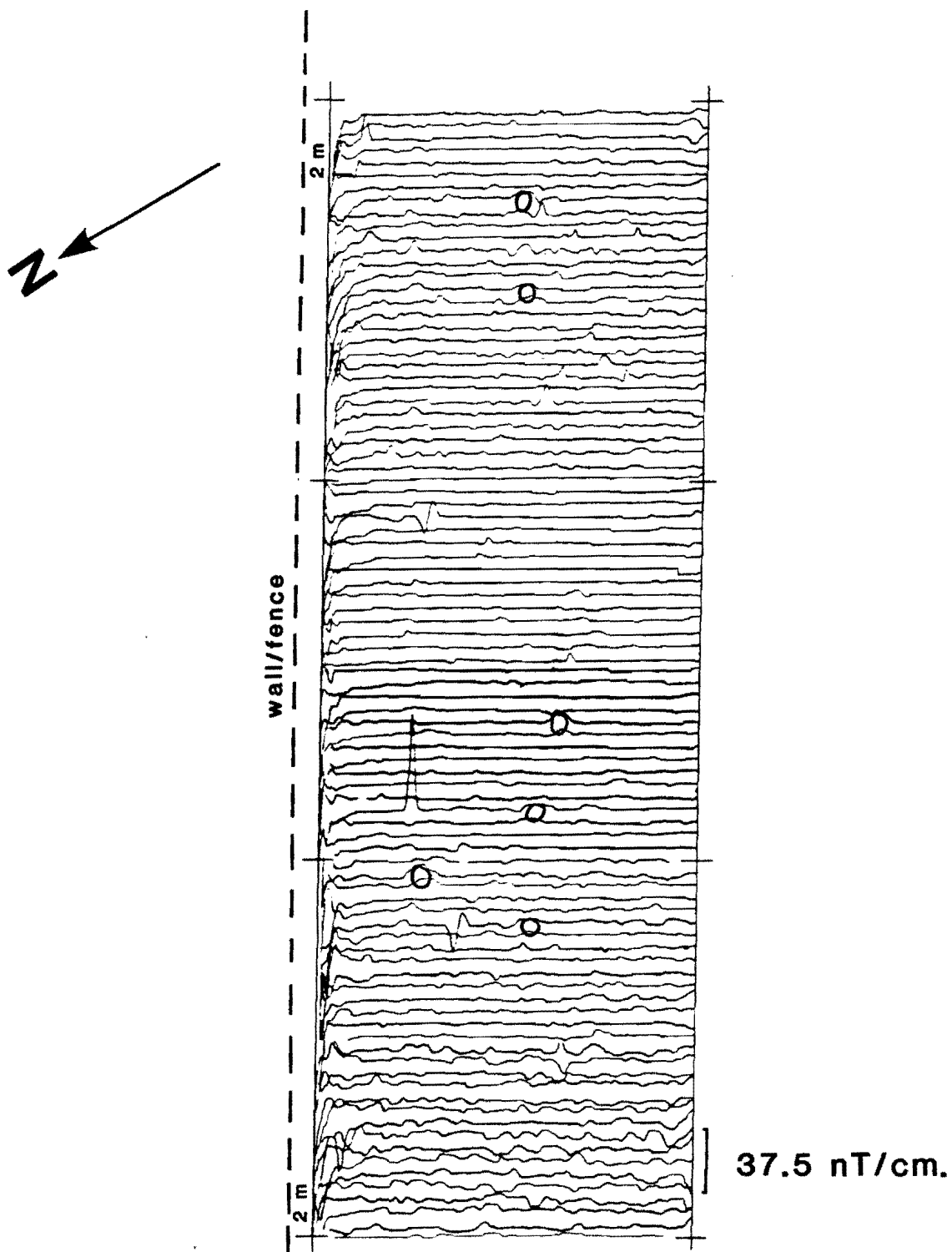
Surveyed and reported by: A. David.
with: D. Bolton.

31/ /82

for: Western Archaeological Trust
P. Gosling.

Ancient Monuments Laboratory Geophysics Section
HMC
Room 536, Fortress House,
23 Savile Row,
London W1 01 734 6010 x 591





NORTHLEACH BY-PASS
Burn Ground, Hampnett, Glos.
Magnetometer survey, 1982

anomalies outlined in red

1 : 500

A. M. LAB