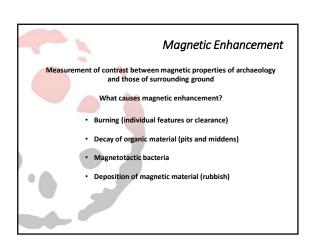
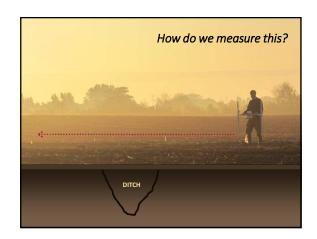
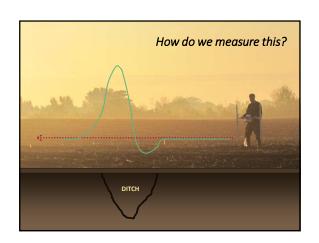


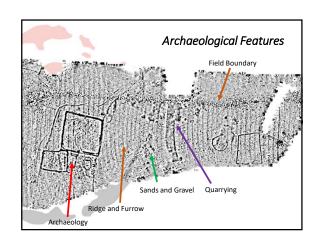
## Magnetic Enhancement Measurement of contrast between magnetic properties of archaeology and those of surrounding ground What causes magnetic enhancement? Burning (individual features or clearance) Decay of organic material (pits and middens) Magnetotactic bacteria

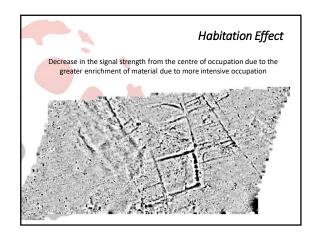




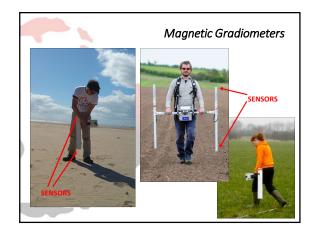


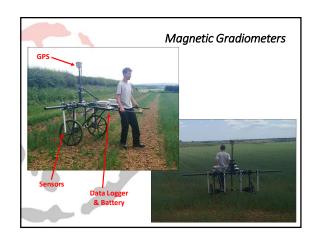




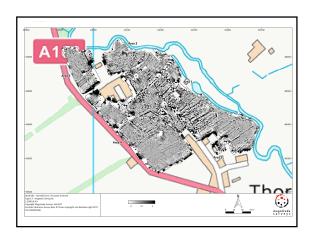


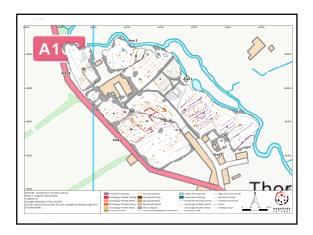
## What are we measuring? Magnetic enhancement of archaeology produces extremely minor variations in the Earth's magnetic field. Earth's magnetic field near the UK measures 49,000 nT. It's not uncommon for archaeological features to return readings of 3 or 4nT! Measuring changes for archaeological applications requires instruments sensitivity to 0.01 or 0.001 nano Tesla.





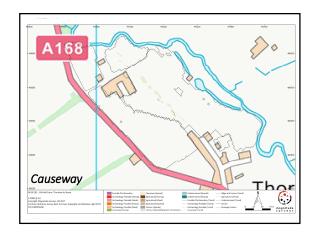


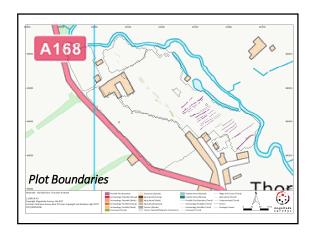


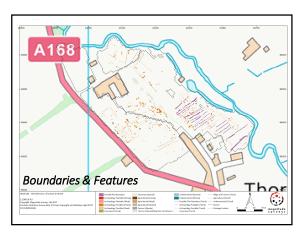


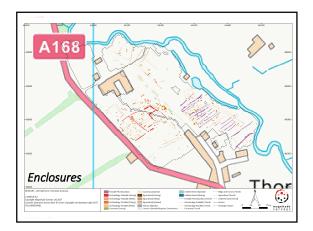


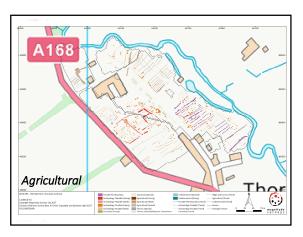






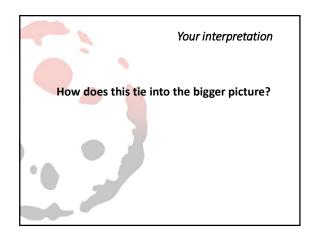






## Our interpretation

- NO DATING EVIDENCE
   Contemporary? Multiphase? Zonation?
- Dominant NE-SW alignment: causeway and water
- · 'Causeway' is central to the layout
- How has plough damage and ferrous disturbance affected the interpretation?
- Implies complex history of the site
- Provides complementary data adding detail to the picture of a 'classic' shrunken village



Your interpretation

How does this tie into the bigger picture?

Any questions?

Thanks for having us!