

MAGNETIC AND RESISTANCE SURVEY RESULTS

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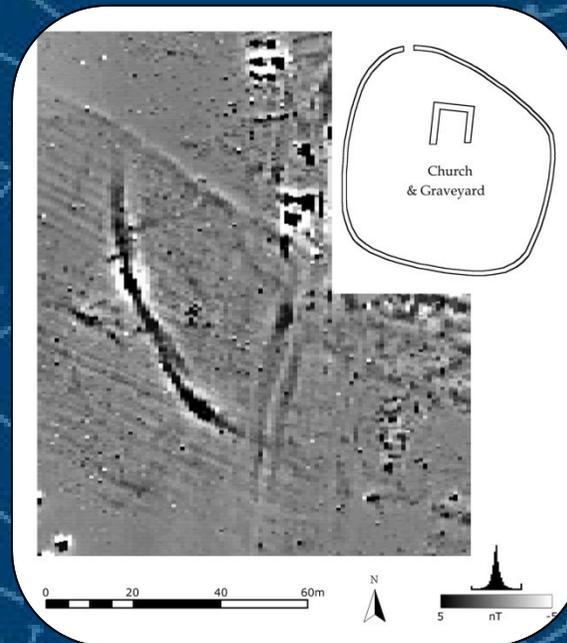


Archaeological Management
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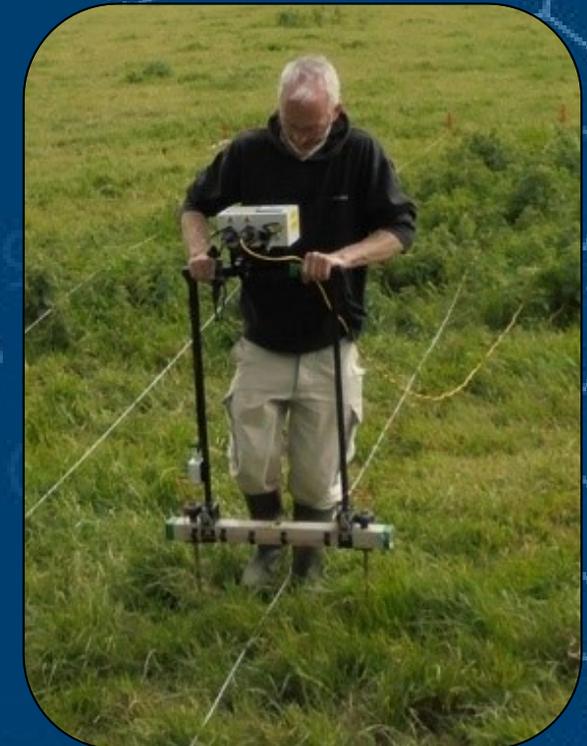
Quality assurance

AMS works with clients to facilitate the reduction of risks posed by the presence of cultural heritage: historic buildings, archaeological remains and the historic landscape. We are bound by our commitment and dedication to provide a peerless service that ensures cost-effectiveness, programme certainty and protects our clients' resources at all times.

Geophysics reports and plans are subject to our corporate Check, Review and Approve quality-assurance system.



MAGNETIC SURVEY RESULTS, MEDIEVAL CHURCH AND LATER GRAVEYARD, CO. WESTMEATH



Geophysical Services



MAGNETIC SURVEY IN PROGRESS IN CO. WEXFORD

We assess each site individually to determine the most appropriate and cost-effective survey strategy.

Our experience

Our geophysics specialist, Dr Ger Dowling, is an archaeologist with almost 20 years' experience, with particular expertise in the design, implementation and management of geophysical survey projects. Since 2002, he has conducted geophysical surveys at a wide variety of sites in Ireland and abroad, working in both the academic and commercial sectors, and has a proven track record in the production of high-quality reports and publications.

Throughout his career, he has collaborated with a broad range of organisations and specialists on various projects, including large-scale geophysical surveys at such high-profile sites as the Hill of Tara (Co. Meath), Glendalough (Co. Wicklow) and Drumanagh (Co. Dublin).

As Assistant Project Director on The Discovery Programme's 'Late Iron Age and 'Roman' Ireland' project (2011–2015), Dr Dowling led several major campaigns of geophysical survey. In 2015, he was appointed Principal Surveyor on the 'Monastic Ireland' project, a joint initiative between The Discovery Programme and Trinity College Dublin.



What is geophysics?

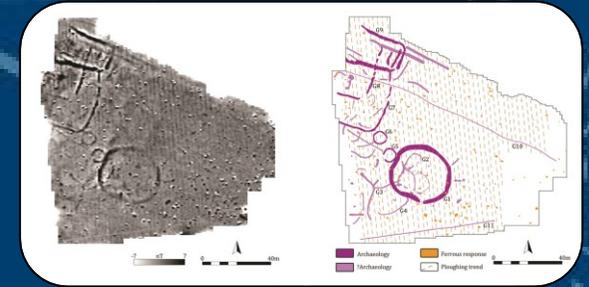
Geophysics is a non-invasive survey method that allows the detection and mapping of archaeological, geological and modern man-made features beneath the ground surface. The techniques most commonly used by archaeologists include:

- Magnetic survey
- Earth resistance survey
- Electromagnetic survey

The information gathered can help archaeologists locate and map buried archaeological remains, without disturbing them through excavation. Geophysics can also help target excavations more strategically, delivering better value-for-money to clients.

AMS provides the following geophysical services:-

- Magnetic surveys
- Earth resistance surveys
- Expert interpretation of survey results
- Production of high-quality plans and reports



SURVEY OF AN ENCLOSURE AND FIELD SYSTEM IN CO. DUBLIN

Past projects

Ger Dowling has undertaken geophysical surveys at numerous sites, including:

- Drumanagh, Co. Dublin
- Lambay, Co. Dublin
- Dún Aillinne, Co. Kildare
- Lough Gur, Co. Limerick
- Brugh na Bóinne, Co. Meath
- Hill of Lloyd, Kells, Co. Meath
- Tara, Co. Meath
- Glendalough, Co. Wicklow
- Ferns, Co. Wexford
- Annegray, Haute-Saône, France