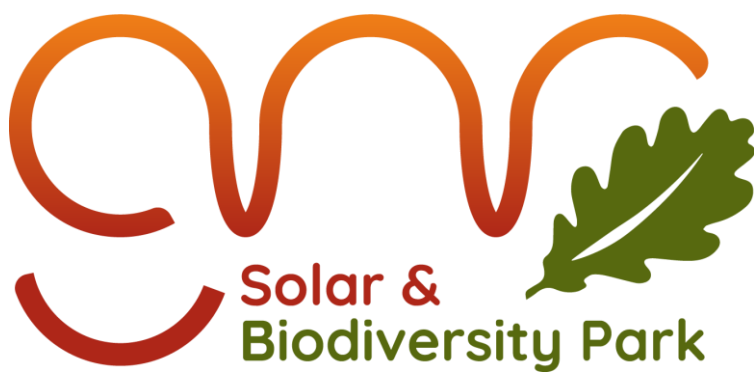




Great North Road Solar and Biodiversity Park

Environmental Statement

Volume 4 – Technical Appendices

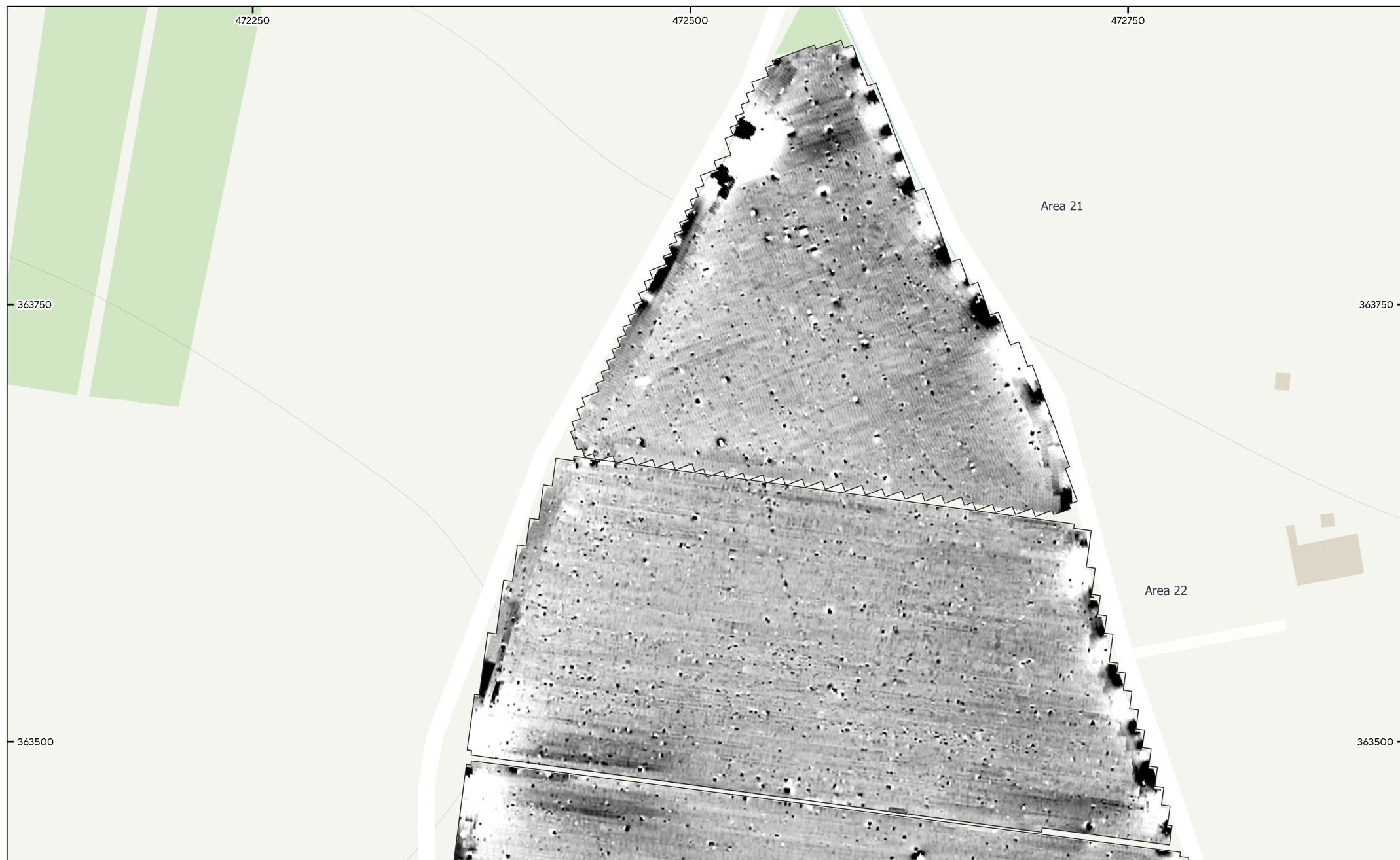
Technical Appendix A11.5: Phase 2 Geophysics Results - Part 5 of 5

Document reference – EN010162/APP/6.4.11.5

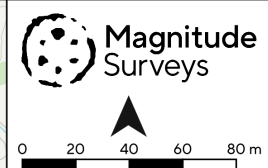
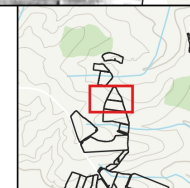
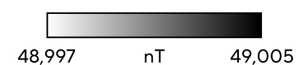
Revision number 1

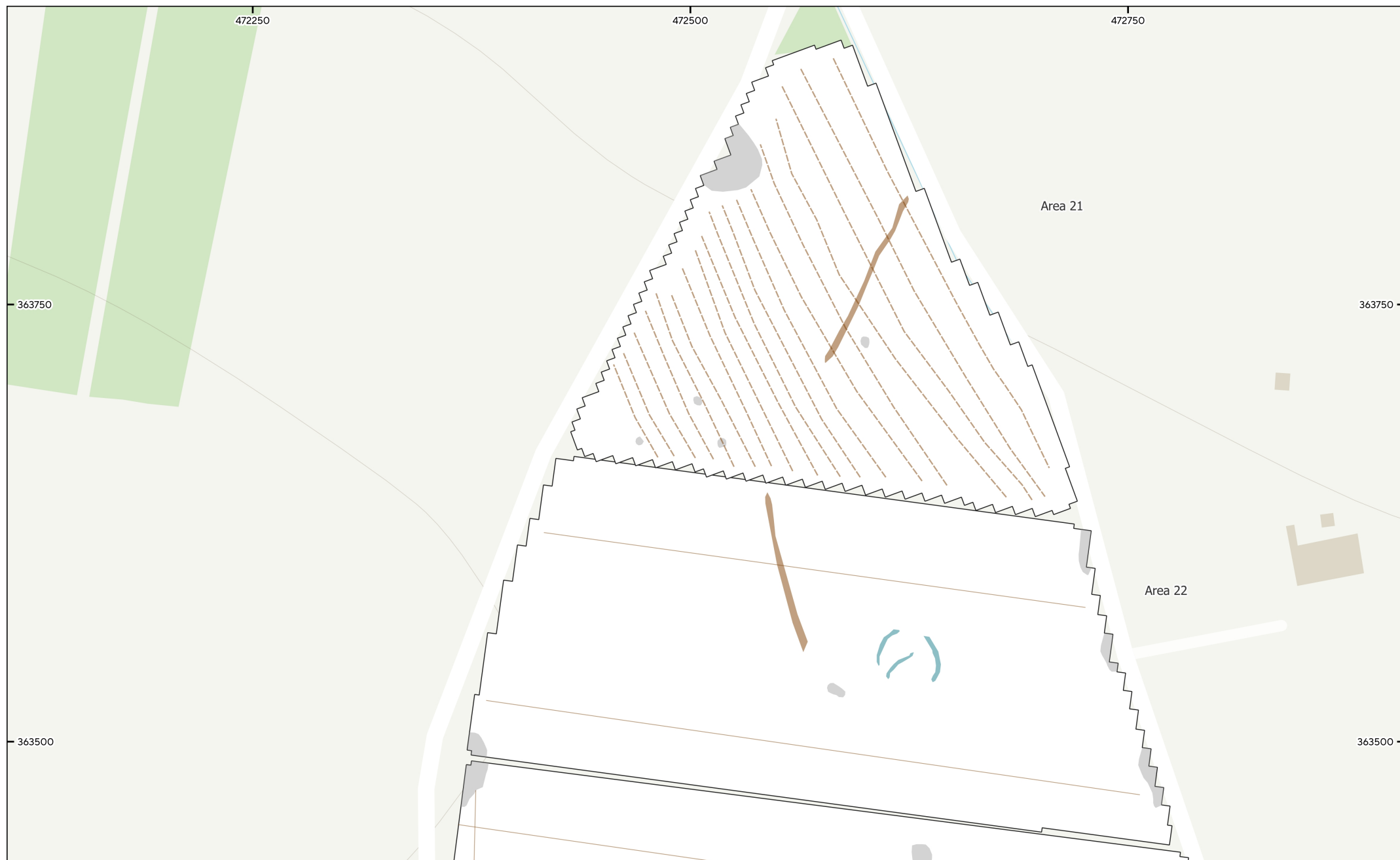
June 2025

Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009, APFP Regulation 5(2)(a)



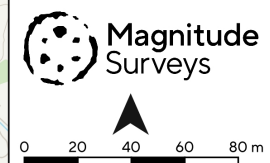
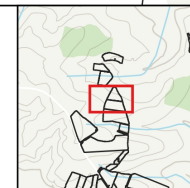
MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 104 - Magnetic Total Field (Lower Sensor) (Areas 21 & 22)
1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and database right 2025

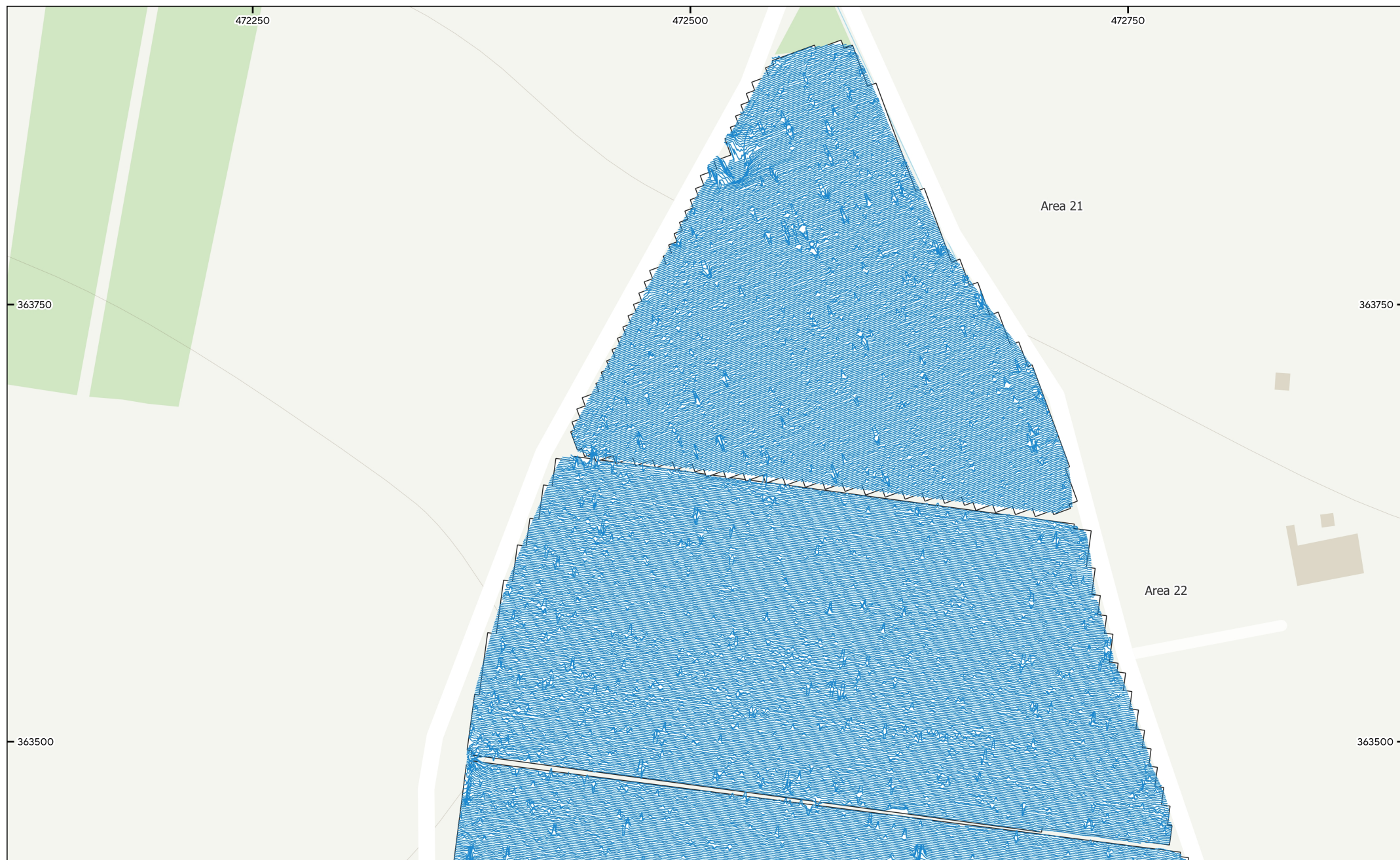




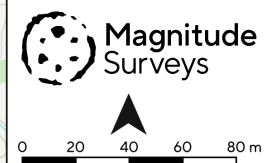
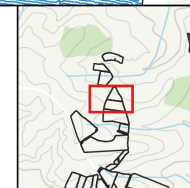
MSSK1838 - Great North Road Solar Farm, Staythorpe
 Figure 105 - Magnetic Interpretation (Areas 21 & 22)
 1:2,000 @ A3
 © Magnitude Surveys 2025
 Contains Ordnance Survey data © Crown Copyright and
 database right 2025

— Agricultural (Weak)
 — Undetermined (Weak)
 --- Ridge and Furrow (Trend)
● Magnetic Disturbance
 — Agricultural (Trend)



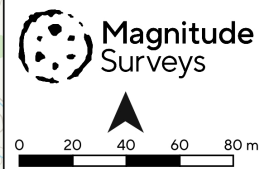
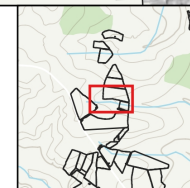
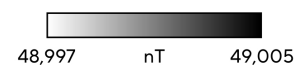


MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 106 - XY Trace Plot (Areas 21 & 22)
10nT/cm at 1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and
database right 2025





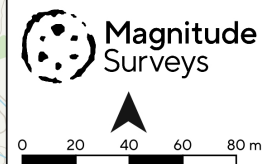
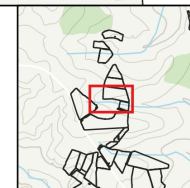
MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 107 - Magnetic Total Field (Lower Sensor) (Areas 23 & 25)
1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and database right 2025

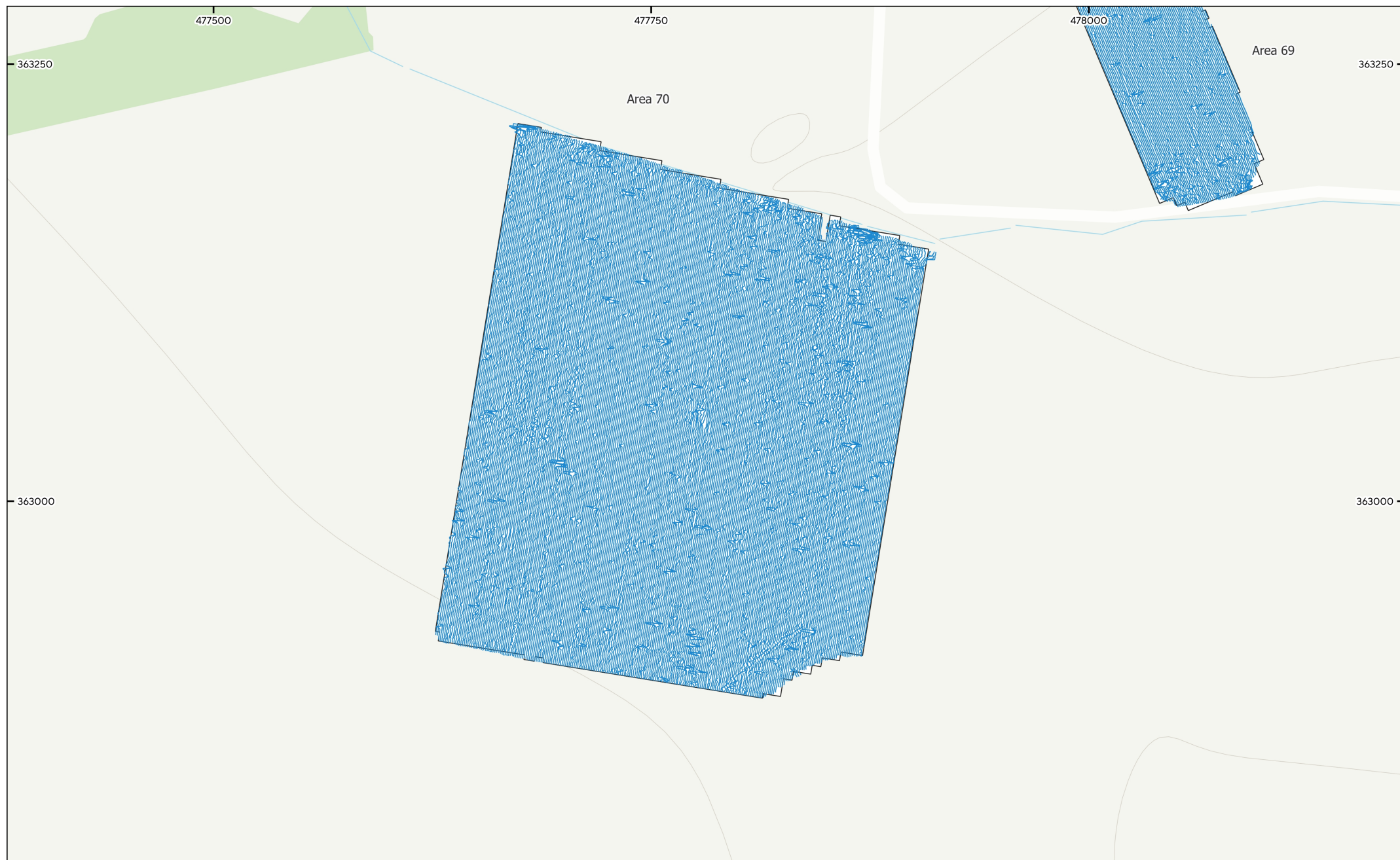




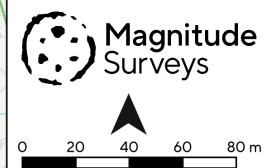
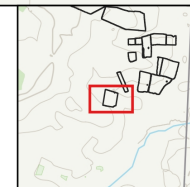
MSSK1838 - Great North Road Solar Farm, Staythorpe
 Figure 108 - Magnetic Interpretation (Areas 23 & 25)
 1:2,000 @ A3
 © Magnitude Surveys 2025
 Contains Ordnance Survey data © Crown Copyright and
 database right 2025

- | | | |
|--|---|--|
| — Agricultural (Weak) | ■ Undetermined (Strong) | — Drainage Feature |
| ■ Magnetic Disturbance | ■ Undetermined (Weak) | • Ferrous (Spike) |
| — Natural (Weak) | — Agricultural (Trend) | |



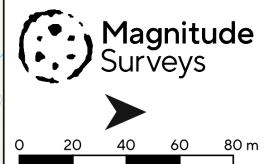
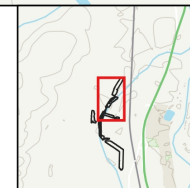
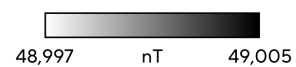


MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 199 - XY Trace Plot (Area 70)
10nT/cm at 1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and
database right 2025





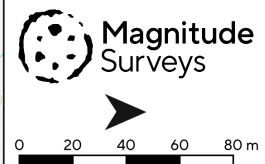
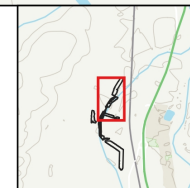
MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 200 - Magnetic Total Field (Lower Sensor) (Areas 71, 72, & 74)
1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and database right 2025





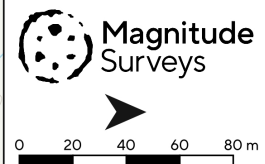
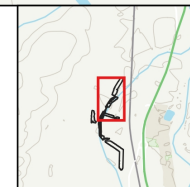
MSSK1838 - Great North Road Solar Farm, Staythorpe
 Figure 201 - Magnetic Interpretation (Areas 71, 72, & 74)
 1:2,000 @ A3
 © Magnitude Surveys 2025
 Contains Ordnance Survey data © Crown Copyright and
 database right 2025

- | | | |
|-------------------------|---------------------|----------------------|
| Agricultural (Weak) | Natural (Spread) | Agricultural (Trend) |
| Magnetic Disturbance | Natural (Weak) | Drainage Feature |
| Ferrous/Debris (Spread) | Undetermined (Weak) | Ferrous (Spike) |



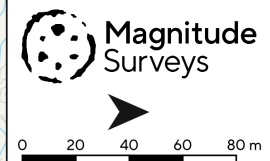
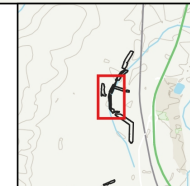
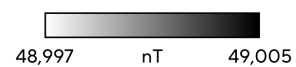


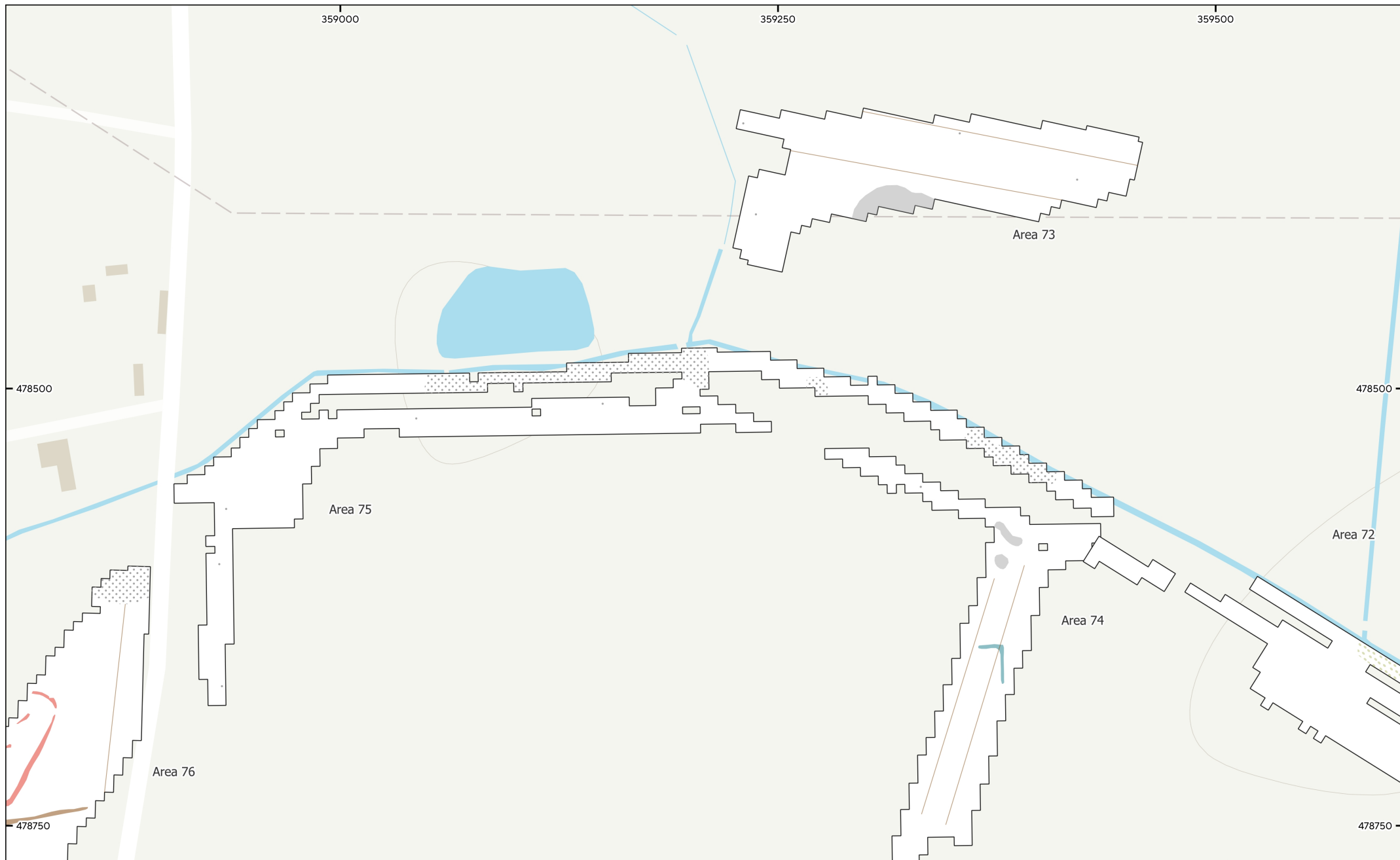
MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 202 - XY Trace Plot (Areas 71, 72, & 74)
10nT/cm at 1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and
database right 2025





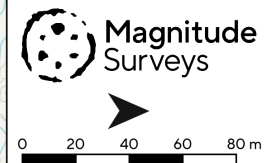
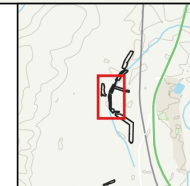
MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 203 - Magnetic Total Field (Lower Sensor) (Areas 73 & 75)
1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and database right 2025





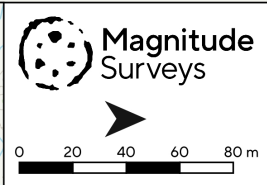
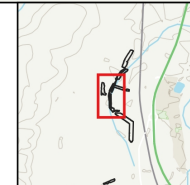
MSSK1838 - Great North Road Solar Farm, Staythorpe
 Figure 204 - Magnetic Interpretation (Areas 73 & 75)
 1:2,000 @ A3
 © Magnitude Surveys 2025
 Contains Ordnance Survey data © Crown Copyright and
 database right 2025

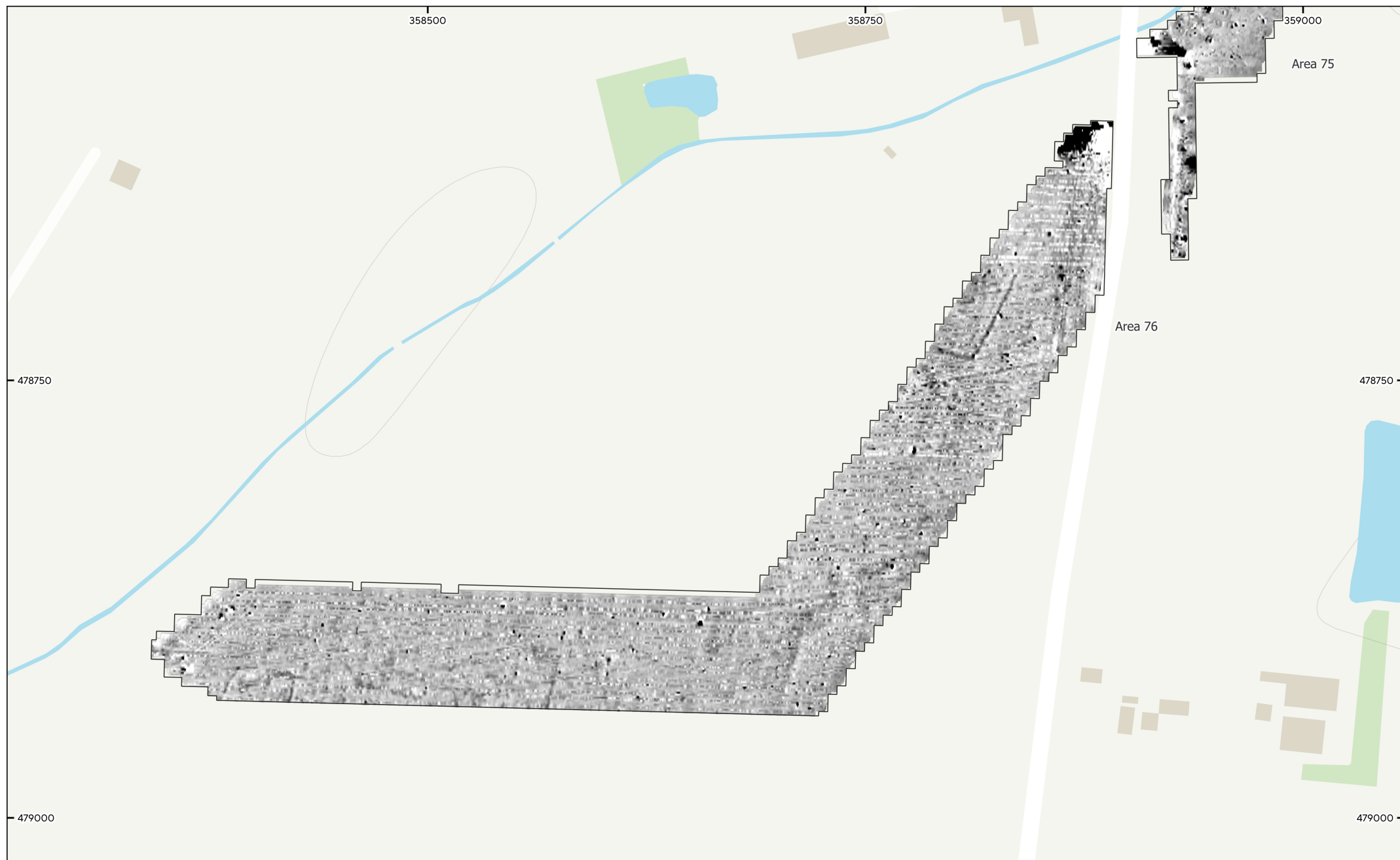
- | | | |
|-----------------------------|-------------------------|----------------------|
| Agricultural (Weak) | Ferrous/Debris (Spread) | Agricultural (Trend) |
| Archaeology Probable (Weak) | Natural (Spread) | Ferrous (Spike) |
| Magnetic Disturbance | Undetermined (Weak) | |



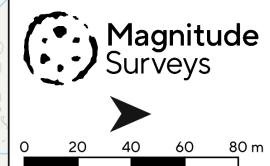
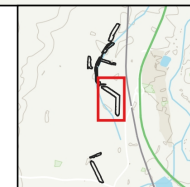
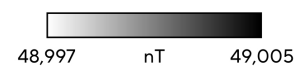


MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 205 - XY Trace Plot (Areas 73 & 75)
10nT/cm at 1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and
database right 2025





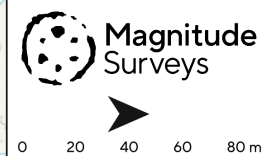
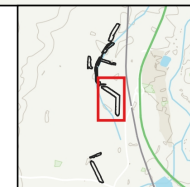
MSSK1838 - Great North Road Solar Farm, Staythorpe
 Figure 206 - Magnetic Total Field (Lower Sensor) (Area 76)
 1:2,000 @ A3
 © Magnitude Surveys 2025
 Contains Ordnance Survey data © Crown Copyright and
 database right 2025

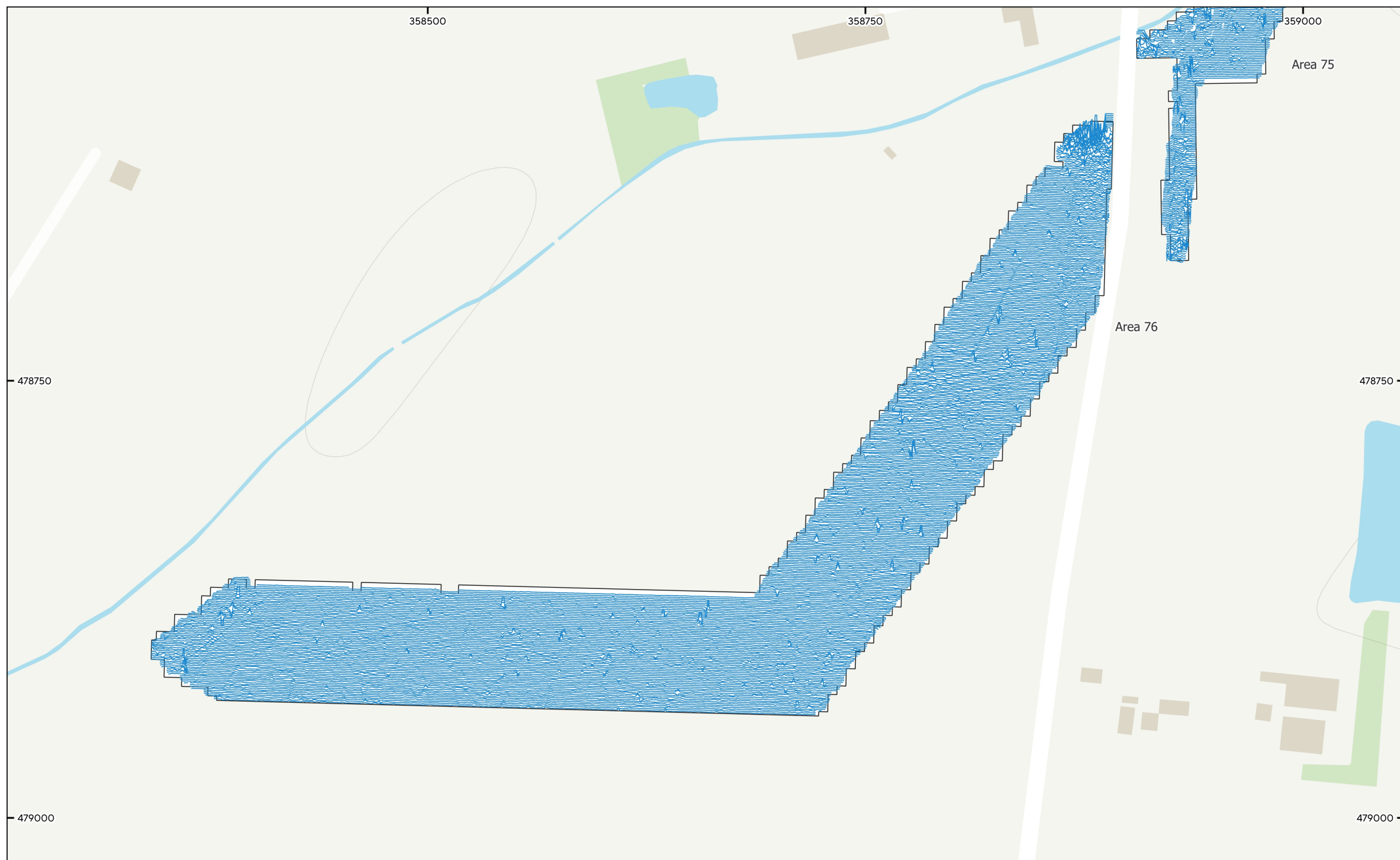




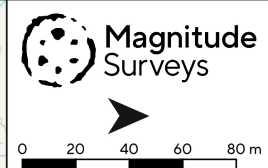
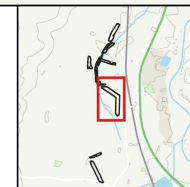
MSSK1838 - Great North Road Solar Farm, Staythorpe
 Figure 207 - Magnetic Interpretation (Area 76)
 1:2,000 @ A3
 © Magnitude Surveys 2025
 Contains Ordnance Survey data © Crown Copyright and
 database right 2025

■ Agricultural (Weak) ■ Ferrous/Debris (Spread) · Ferrous (Spike)
 ■ Archaeology Probable (Weak) — Agricultural (Trend)



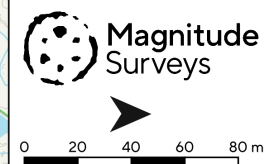
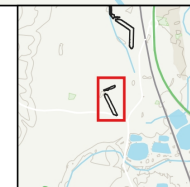
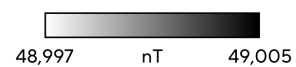


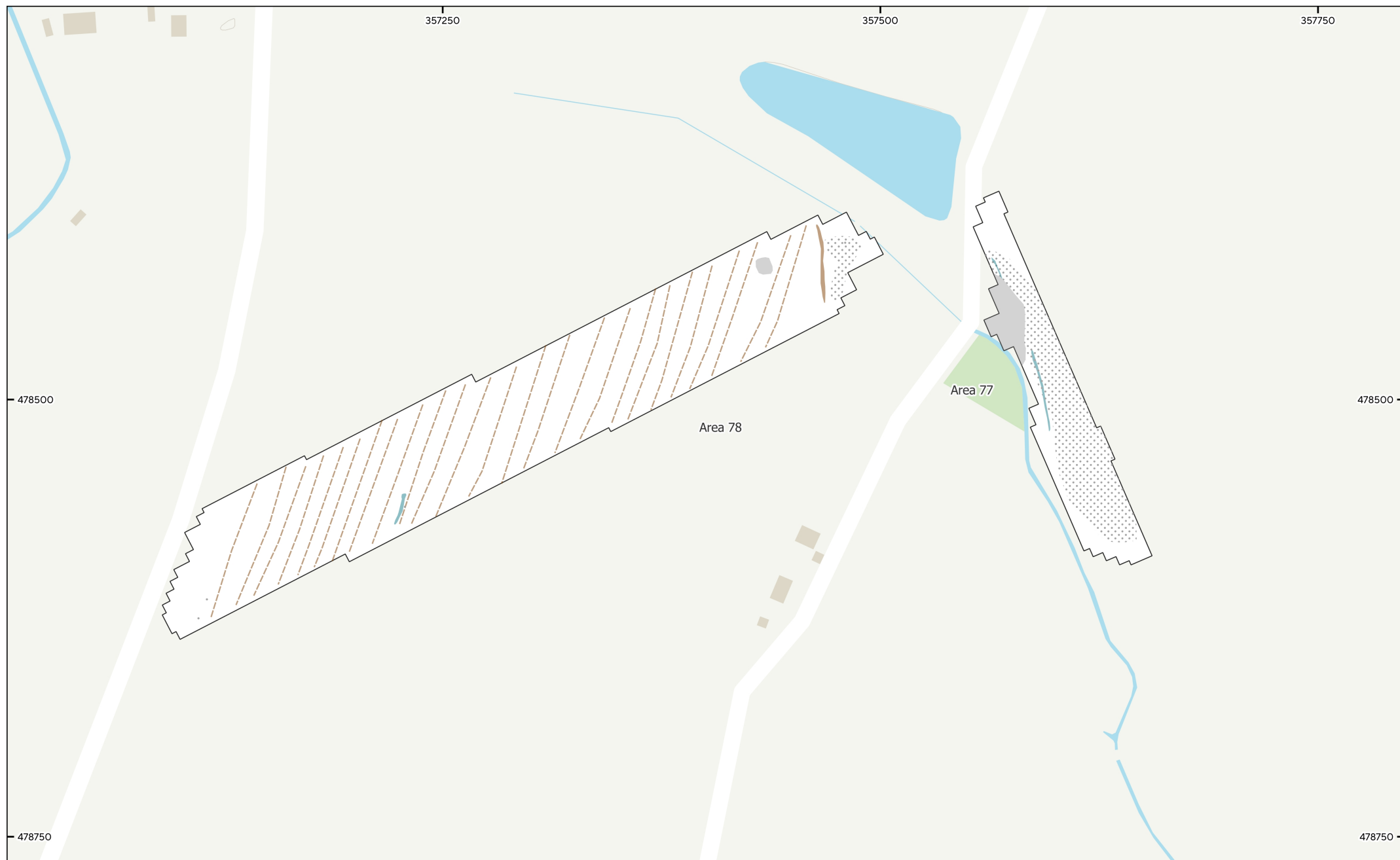
MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 208 - XY Trace Plot (Area 76)
10nT/cm at 1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and
database right 2025





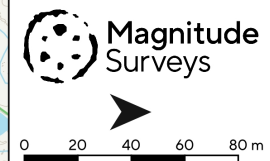
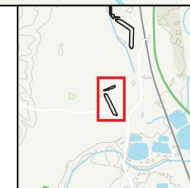
MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 209 - Magnetic Total Field (Lower Sensor) (Areas 77 & 78)
1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and database right 2025

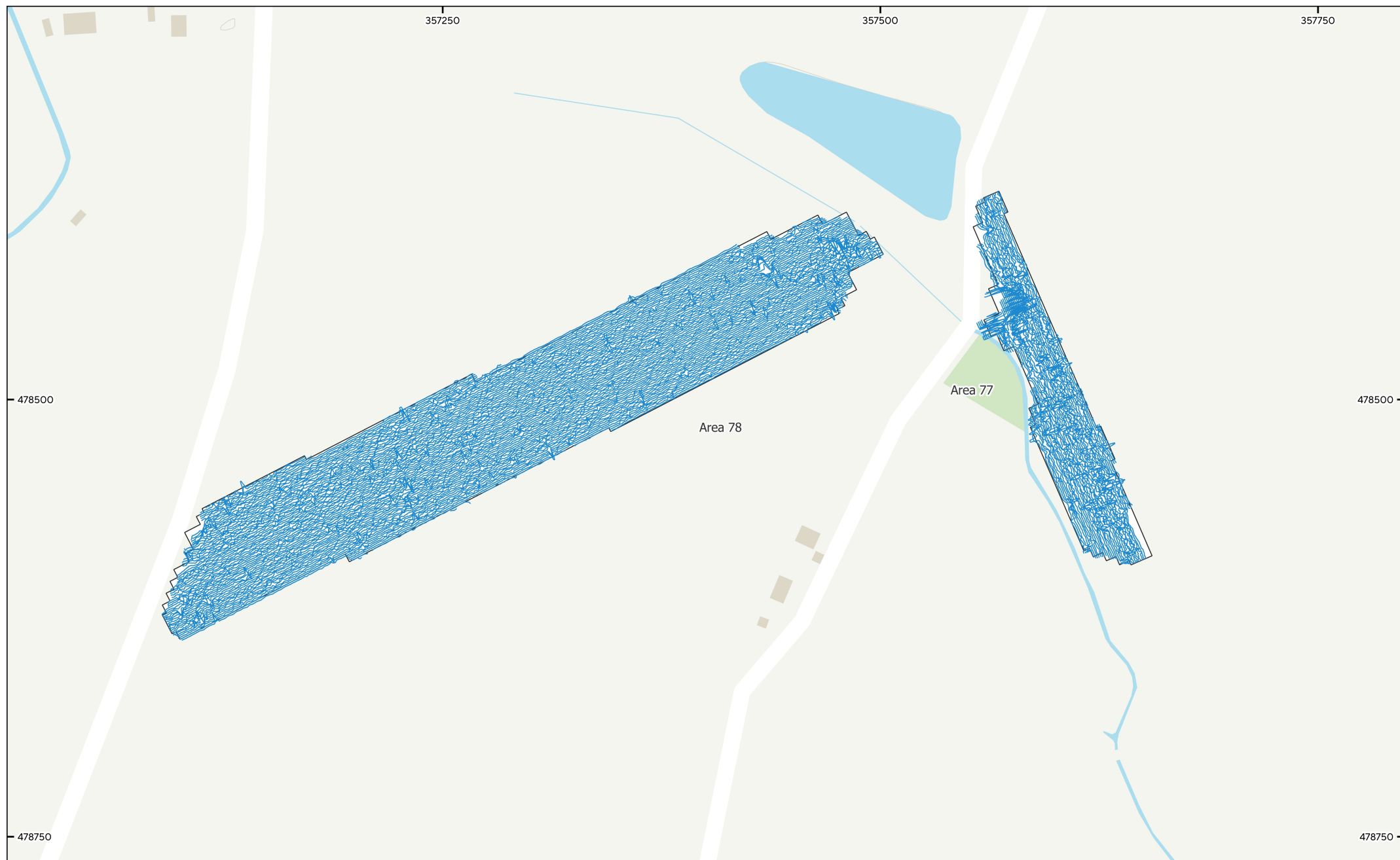




MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 210 - Magnetic Interpretation (Areas 77 & 78)
1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and
database right 2025

Agricultural (Weak)	Ferrous/Debris (Spread)	Ridge and Furrow (Trend)
Magnetic Disturbance	Undetermined (Weak)	Ferrous (Spike)





MSSK1838 - Great North Road Solar Farm, Staythorpe
Figure 211 - XY Trace Plot (Areas 77 & 78)
10nT/cm at 1:2,000 @ A3
© Magnitude Surveys 2025
Contains Ordnance Survey data © Crown Copyright and
database right 2025

