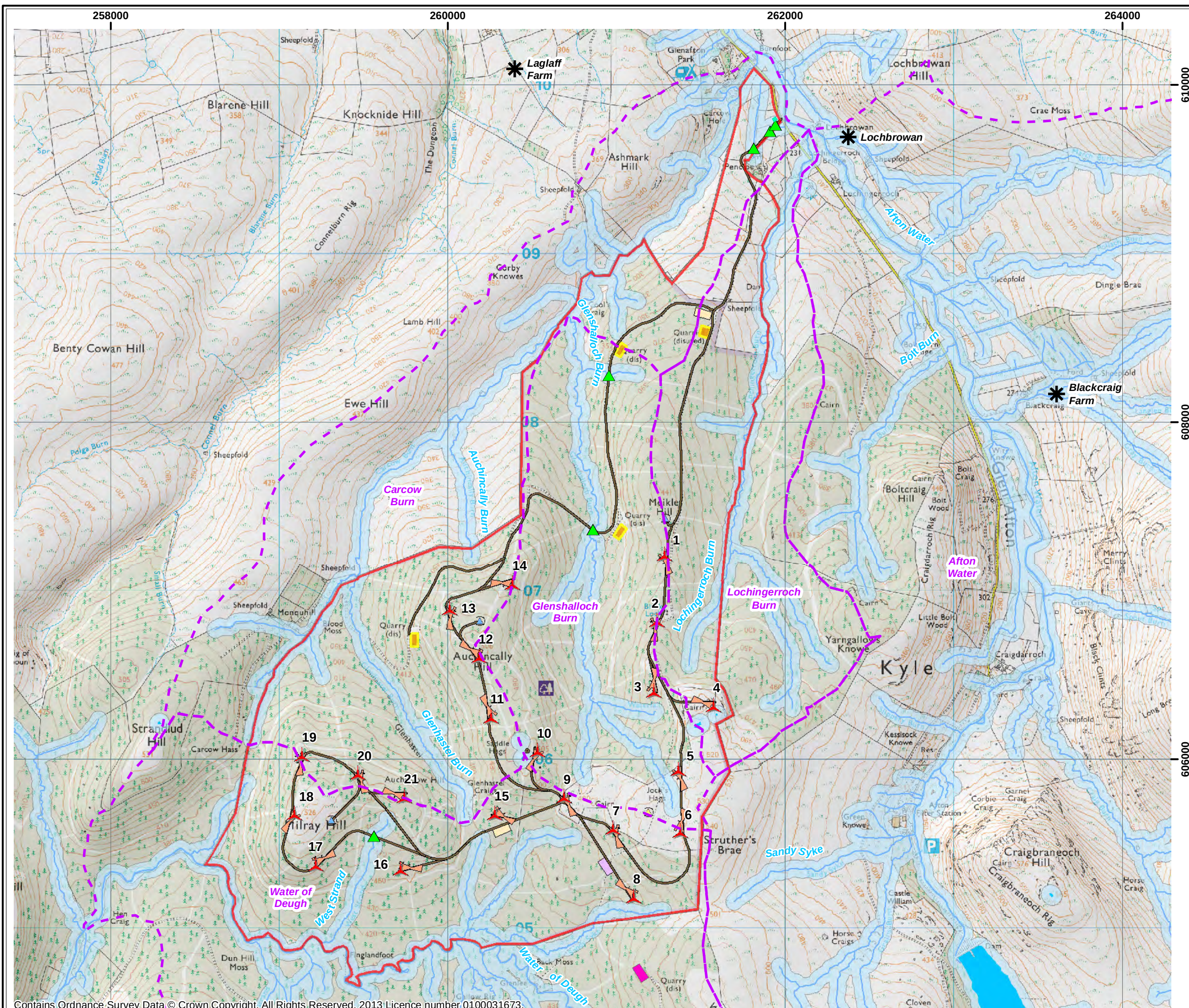




Key:

- ✱ Private Water Supply
- ▲ Turbine
- ⬢ Existing Anemometry Mast
- ⬢ Anemometry Mast
- ▲ Watercourse Crossing
- Track
- - - Surface Water Catchment
- Watercourse
- Waterbody
- Watercourse/Waterbody 50m Buffer
- Site Boundary
- Crane Hardstanding
- Site Security Office (Indicative Only)
- Construction Compound
- Substation
- Borrow Pit
- Indicative location of the SPEN Offsite Substation

0 250 500 750 1,000
Metres

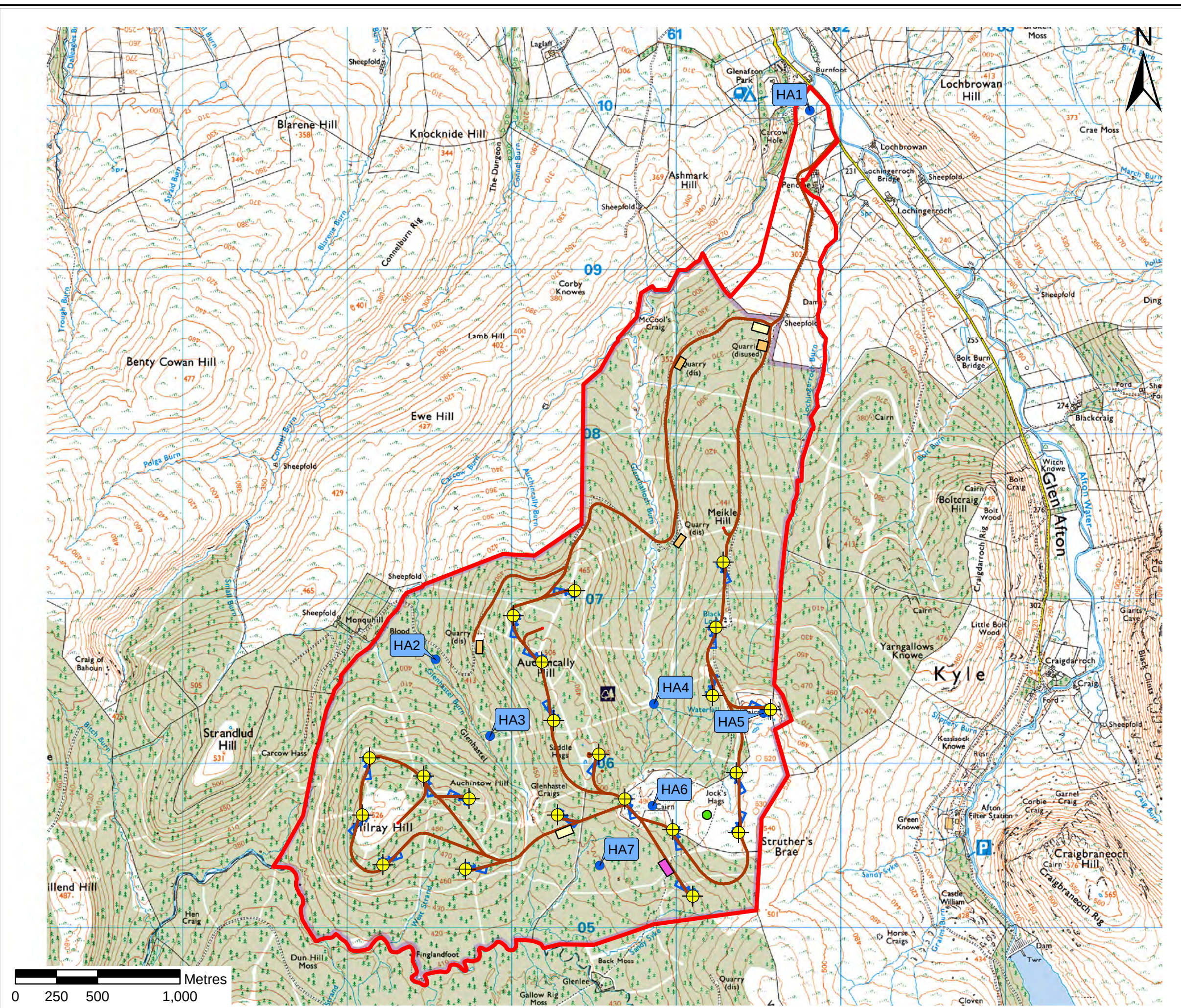
N

PENCLOE WINDFARM

FIGURE 10.1
HYDROLOGICAL
FEATURES

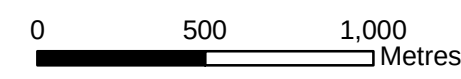
SCALE	PROJECT CODE
1:22,000 @ A3	JE30643
CONTENT	DRAWN
AK	SP
CHECKED	DATE
AK	25/09/2014





Key

- Site boundary
- Cultural heritage asset
- Met mast location
- Construction compound
- Existing met mast
- SUBSTATION
- Borrow pit
- Access track
- Pads

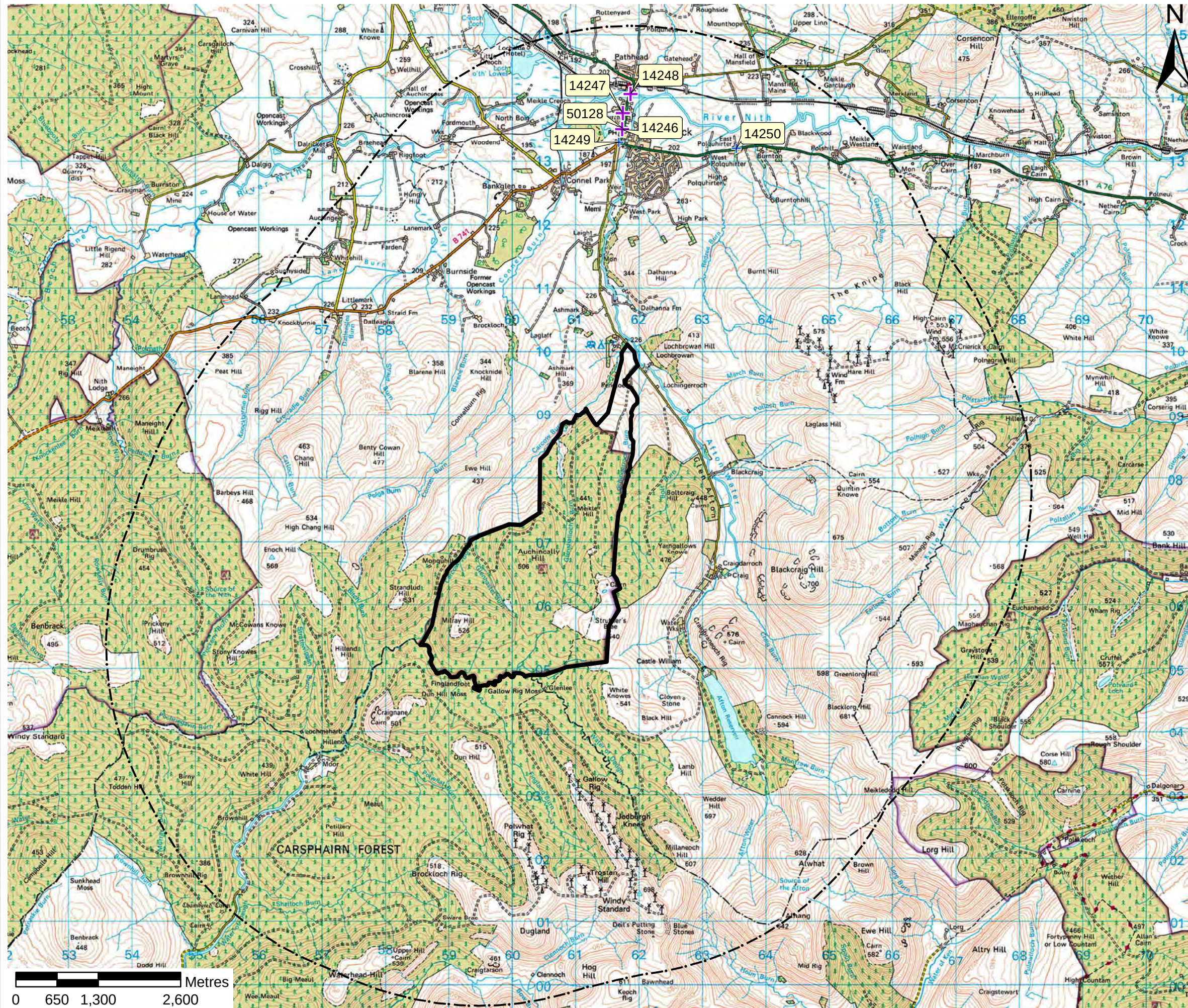


Pencloe Windfarm

Figure 11.1 - Cultural Heritage Assets in the Inner Study Area

SCALE 1:22,500 @ A3	PROJECT CODE PENC10
CONTENT SF	DRAWN SF
CHECKED CL	DATE 22/09/2014





Key

- + B
- + C(S)
- Inner Study Area
- Middle Study Area

Pencloe Windfarm

Figure 11.2 - Cultural Heritage Assets in the Middle Study Area

SCALE
1:60,000 @ A3

CONTENT
SF

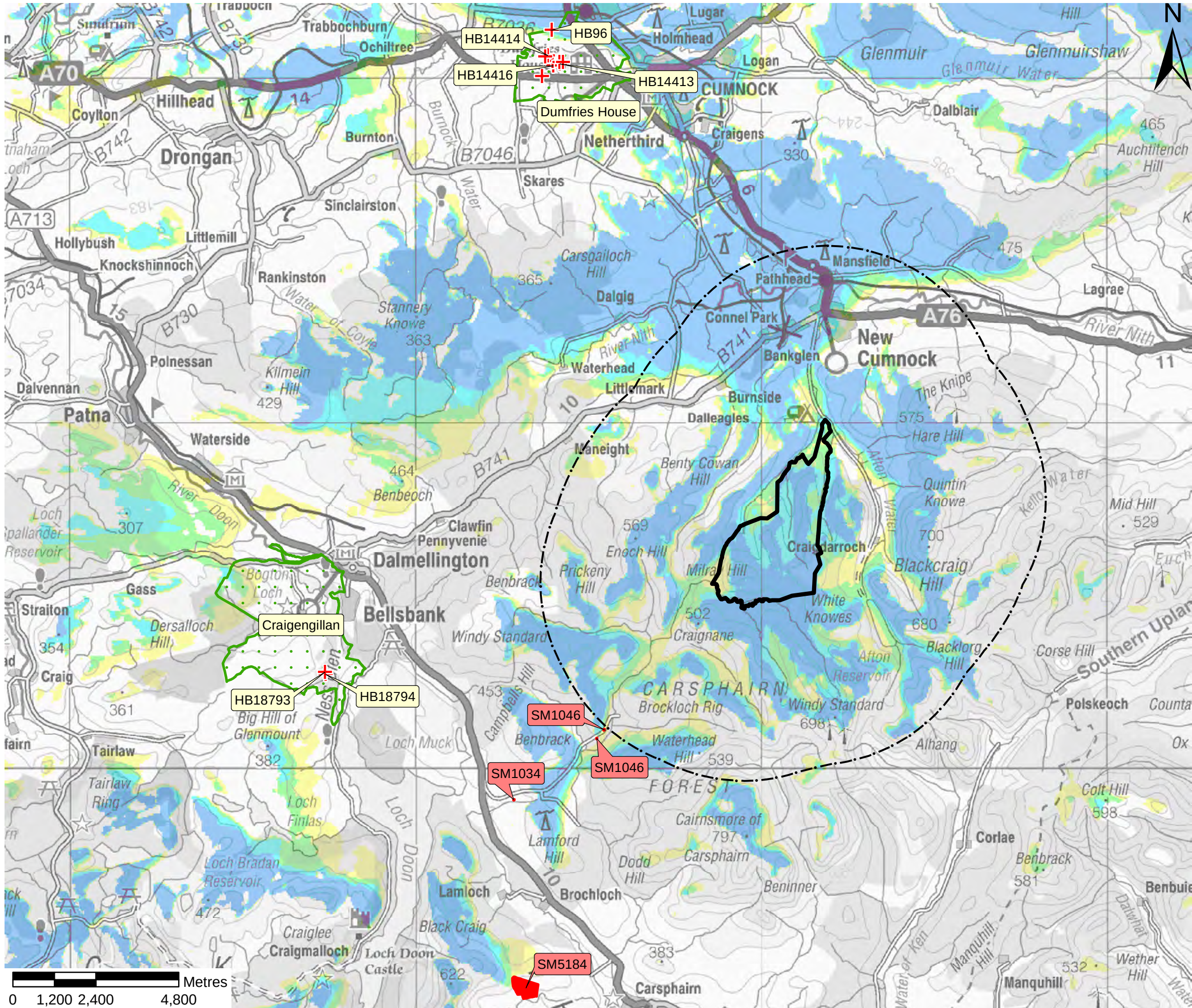
CHECKED
CL

PROJECT CODE

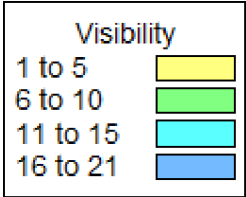
DRAWN
SF

DATE
14/08/2014

JACOBS



- Key**
- + Category A Listed Building
 - Scheduled Monument
 - Gardens and Designed Landscapes
 - Middle Study Area
 - ▭ Site Boundary



Listed building data provided by Historic Scotland
dated 20/02/14 © Crown Copyright
(Historic Scotland)

Scheduled monument data provided by Historic Scotland
dated 20/02/14 © Crown Copyright
(Historic Scotland)

Inventory garden and designed landscape
data provided by Historic Scotland
dated 20/02/14 © Crown Copyright
(Historic Scotland)

Pencloe Windfarm

Figure 11.3 - Cultural Heritage
Assets & Zone of Theoretical
Visibility

SCALE
1:110,000 @ A3

PROJECT CODE

CONTENT
SF

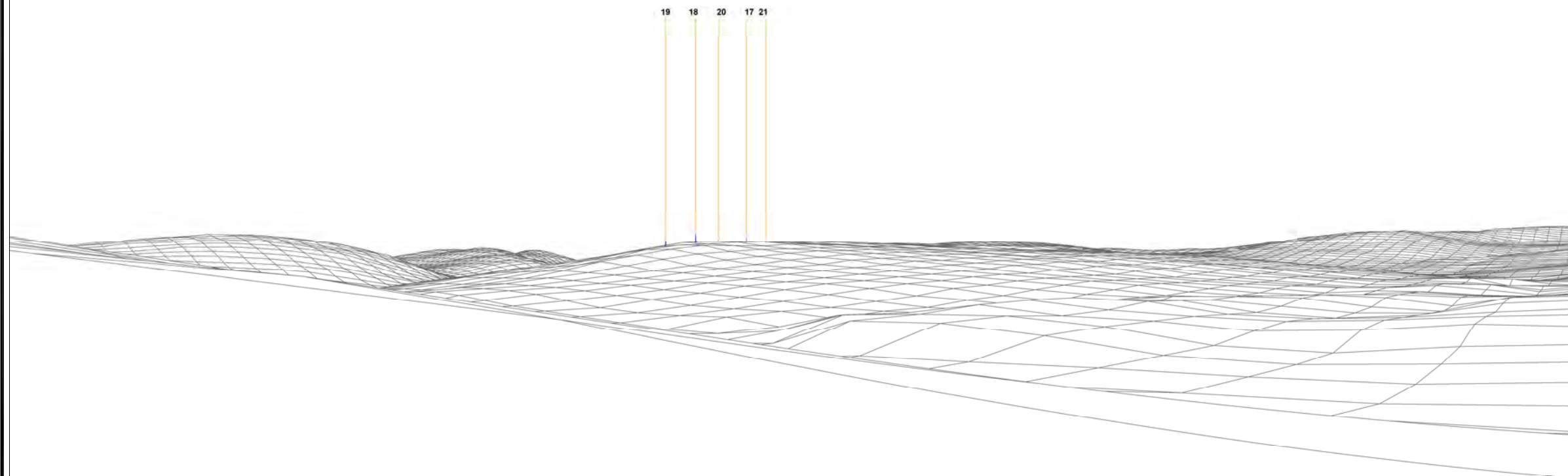
DRAWN
SF

CHECKED
CL

DATE
14/08/2014

JACOBS

LOCATION: I:\EIA\Projects\JE30643\Deliverables\Drawings\Dwg with HH74-5 DIA\01\JE30643-0000-NEP-DG-0081_Headland.dwg



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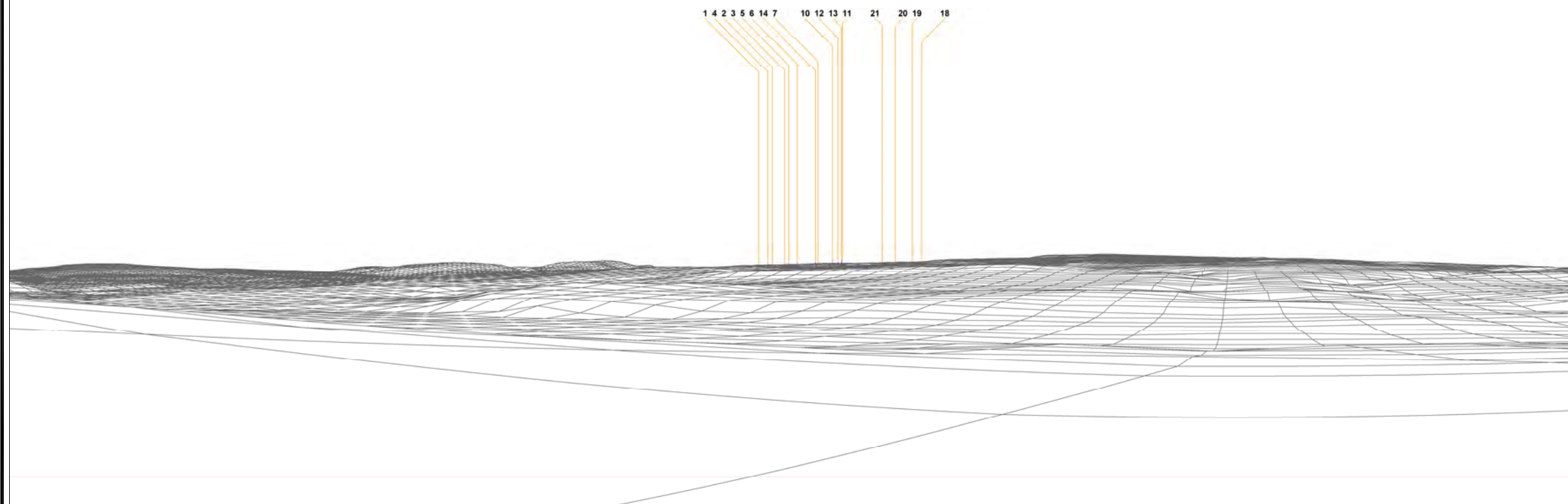
FIGURE 11.4

THE KING'S CAIRN (INDEX NO. 1046)
GRID REF: 255421, 601152
PREDICTED WIREFRAME VIEW

SCALE	PROJECT NO.
N/A	JE30643
CONTENT	DRAWN
CC	VH
CHECKED	DATE
RM	AUGUST 2014

JACOBS

LOCATION: I:\JEA\Projects\JE30643\Deliverables\Drawings\Dwg with HH74-5 DIA101\JE30643-0000-NEP-DG-0081_Headland.dwg



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PENCLOE WINDFARM

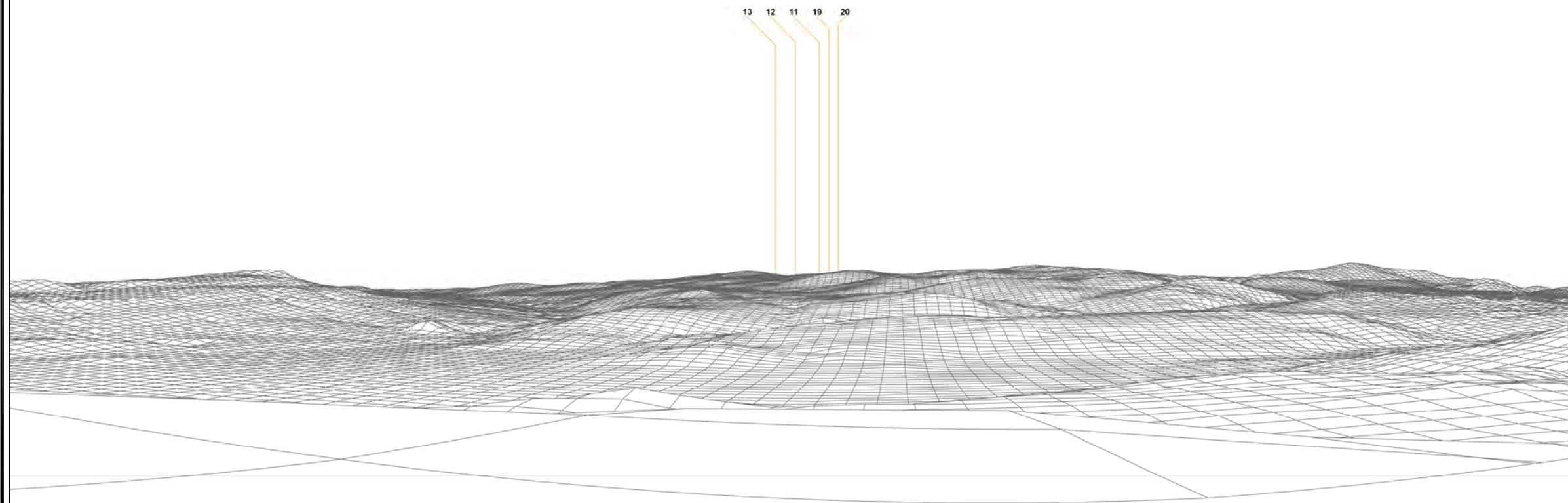
FIGURE 11.5

DUMFRIES HOUSE IGD
GRID REF: 254093, 621280
PREDICTED WIREFRAME VIEW

SCALE	PROJECT NO.
N/A	JE30643
CONTENT	DRAWN
CC	VH
CHECKED	DATE
RM	AUGUST 2014

JACOBS

LOCATION: I:\JEA\Projects\JE30643\Deliverables\Drawings\Dwg with HH74-5 DIA\01\JE30643-0000-NEP-DG-0081_Headland.dwg



PENCLOE
WIND ENERGY LIMITED

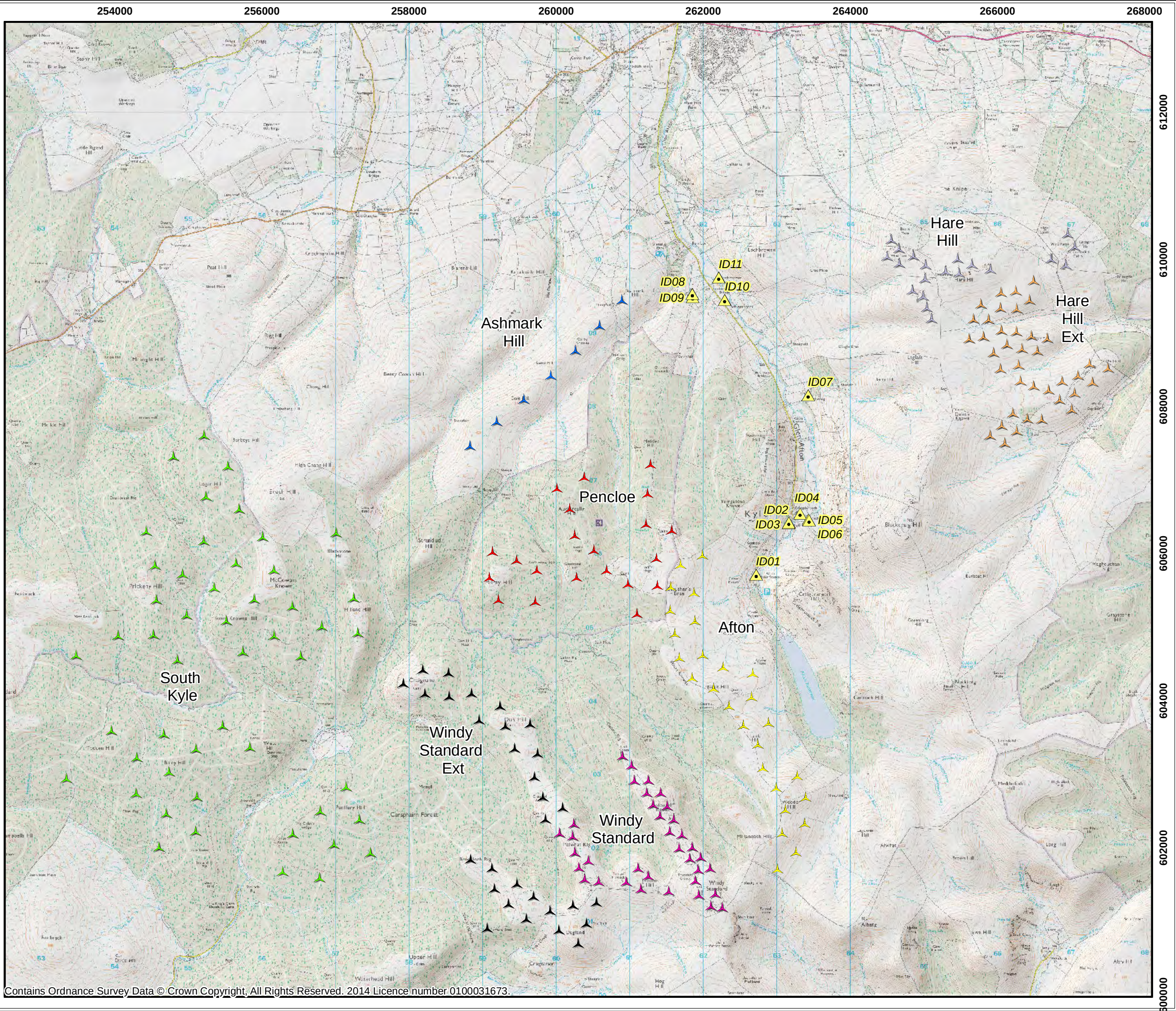
PENCLOE WINDFARM

FIGURE 11.6

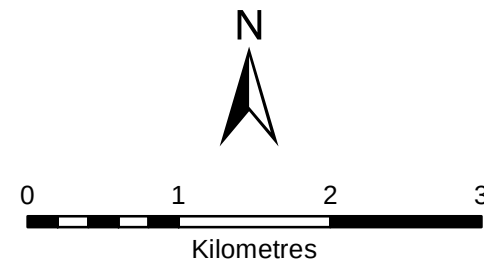
CRAIGENGILLAN IGDL
GRID REF: 245097, 605067
PREDICTED WIREFRAME VIEW

SCALE	PROJECT NO.
N/A	JE30643
CONTENT	DRAWN
CC	VH
CHECKED	DATE
RM	AUGUST 2014

JACOBS



- Key:**
- Residential Noise Receptor
 - Turbine Locations**
 - Pencloe
 - Afton
 - Ashmark Hill
 - Hare Hill
 - Hare Hill Ext
 - South Kyle
 - Windy Standard
 - Windy Standard Ext



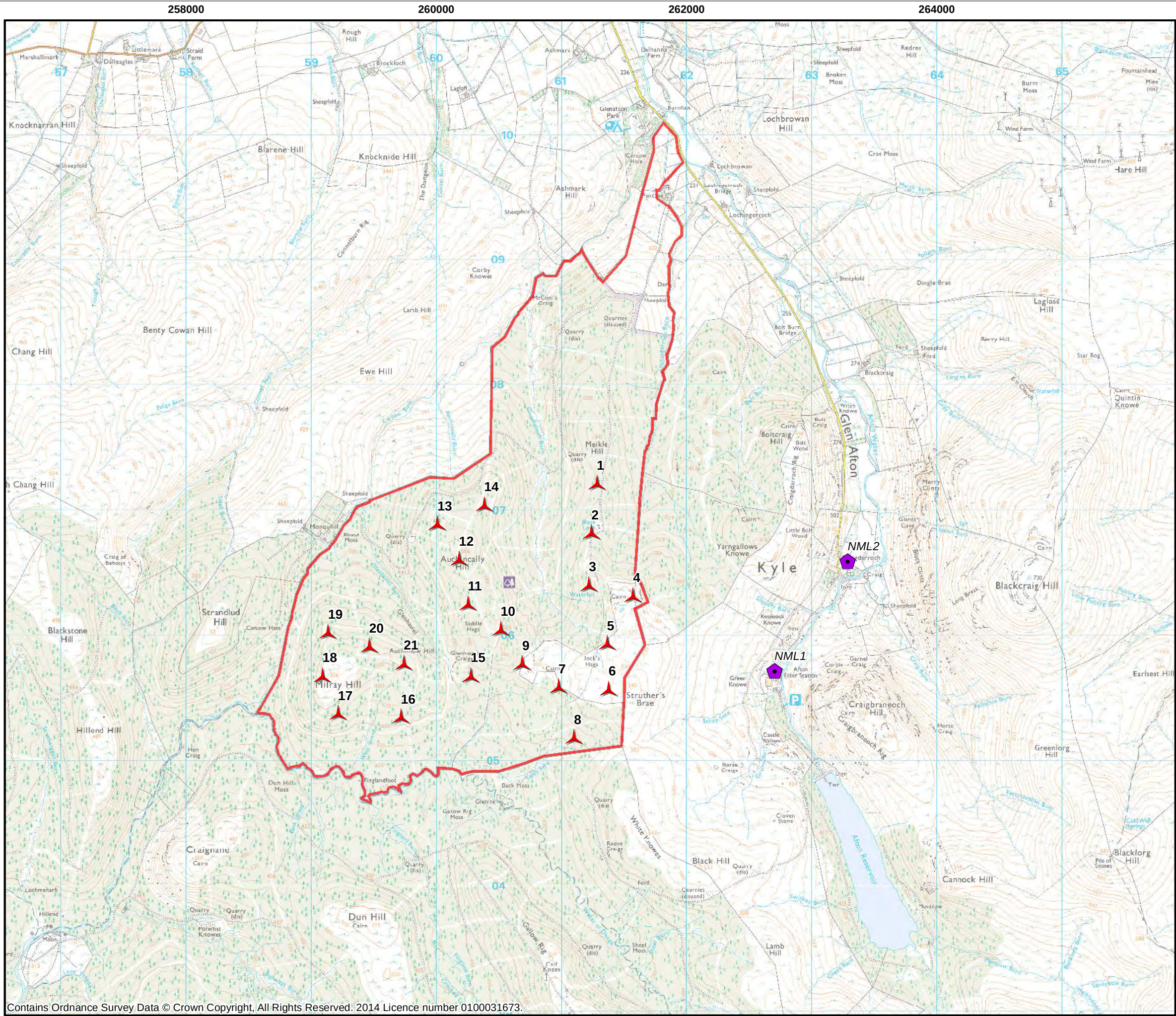
PENCLOE WINDFARM

REVISION: A MXD: 012/g043

FIGURE 12.1
Turbine Locations and
Residential Noise Receptors

SCALE	PROJECT CODE
1:50,000 @ A3	JE30643
CONTENT	DRAWN
HRP	SP
CHECKED	DATE
HRP	08/09/2014





Key:

- Noise Measurement Location
- Proposed Turbine Location
- Site Boundary

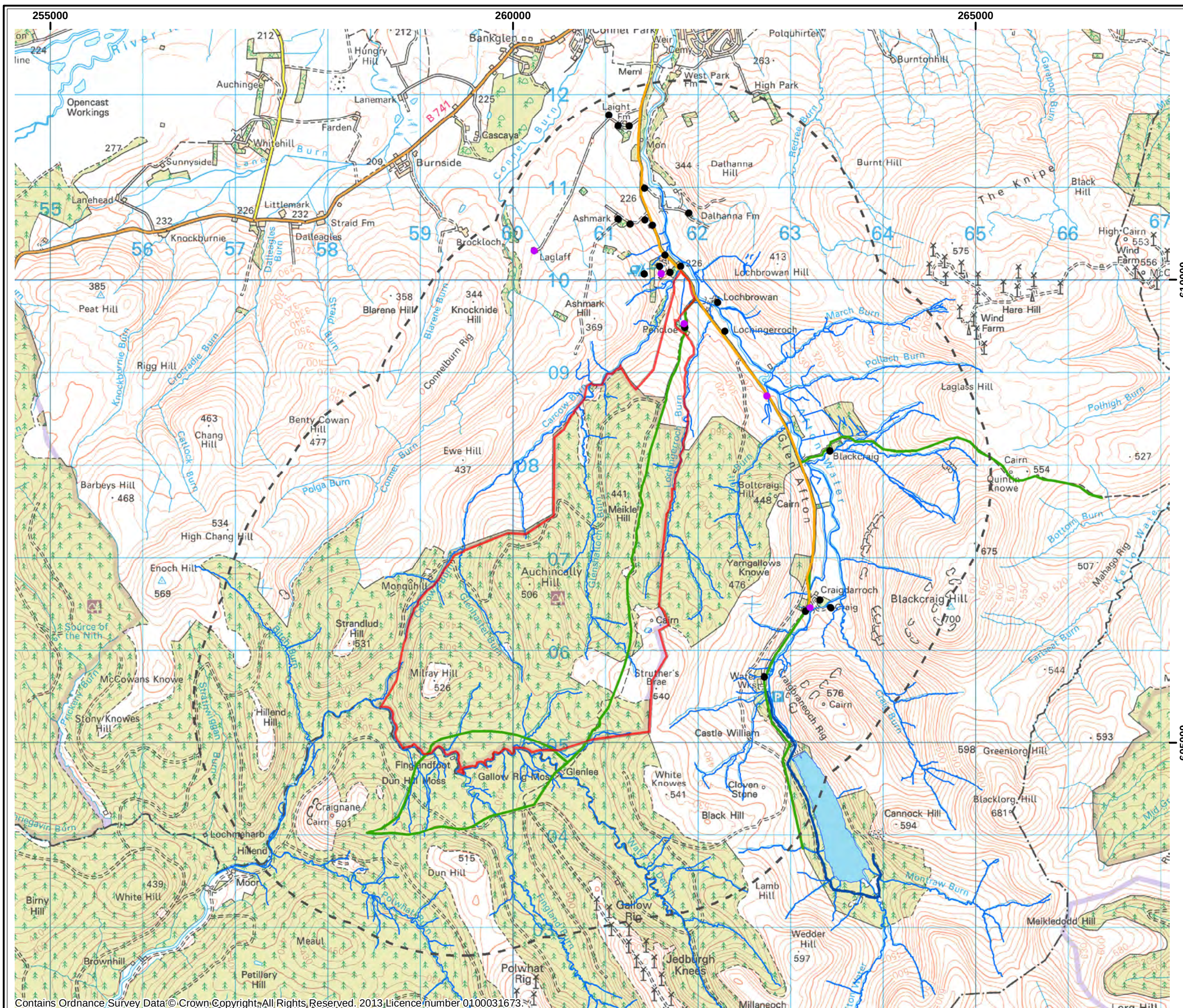
PENCLOE WINDFARM

REVISION: A MXD: 012/g044

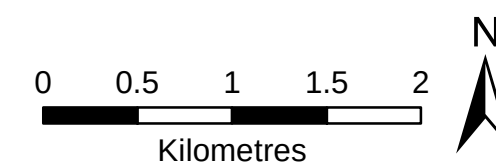
FIGURE 12.2
Noise Measurement
Locations

SCALE	PROJECT CODE
1:30,000 @ A3	JE30643
CONTENT	DRAWN
HRP	SP
CHECKED	DATE
HRP	08/09/2014





- Key:**
- Site Boundary
 - Site Boundary - 2 km Buffer
 - Employment Premises/Businesses
 - Residential Properties
 - Public Rights of Way
 - Afton Dam Route
 - Transport Infrastructure
 - Watercourses
 - Reservoir

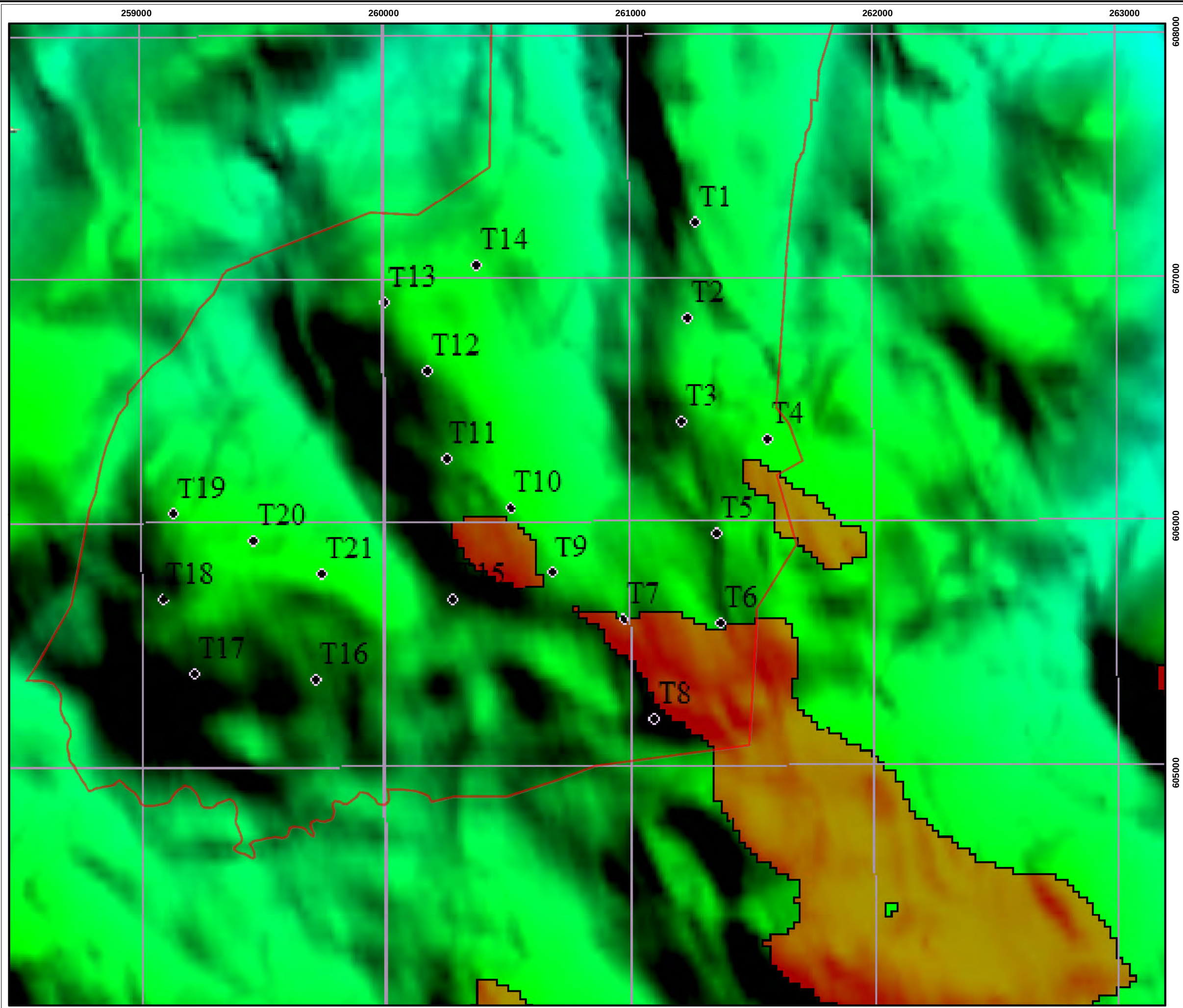


PENCLOE WINDFARM

FIGURE 14.2
SOCIO-ECONOMIC
FEATURES WITHIN 2KM
OF SITE BOUNDARY

SCALE	PROJECT CODE
1:40,000 @ A3	JE30643
CONTENT	DRAWN
BC	SP
CHECKED	DATE
KG	19/09/2014

JACOBS



Key:

- Turbine
- Site Boundary
- Line of Sight
- No Visibility
- Visibility

N

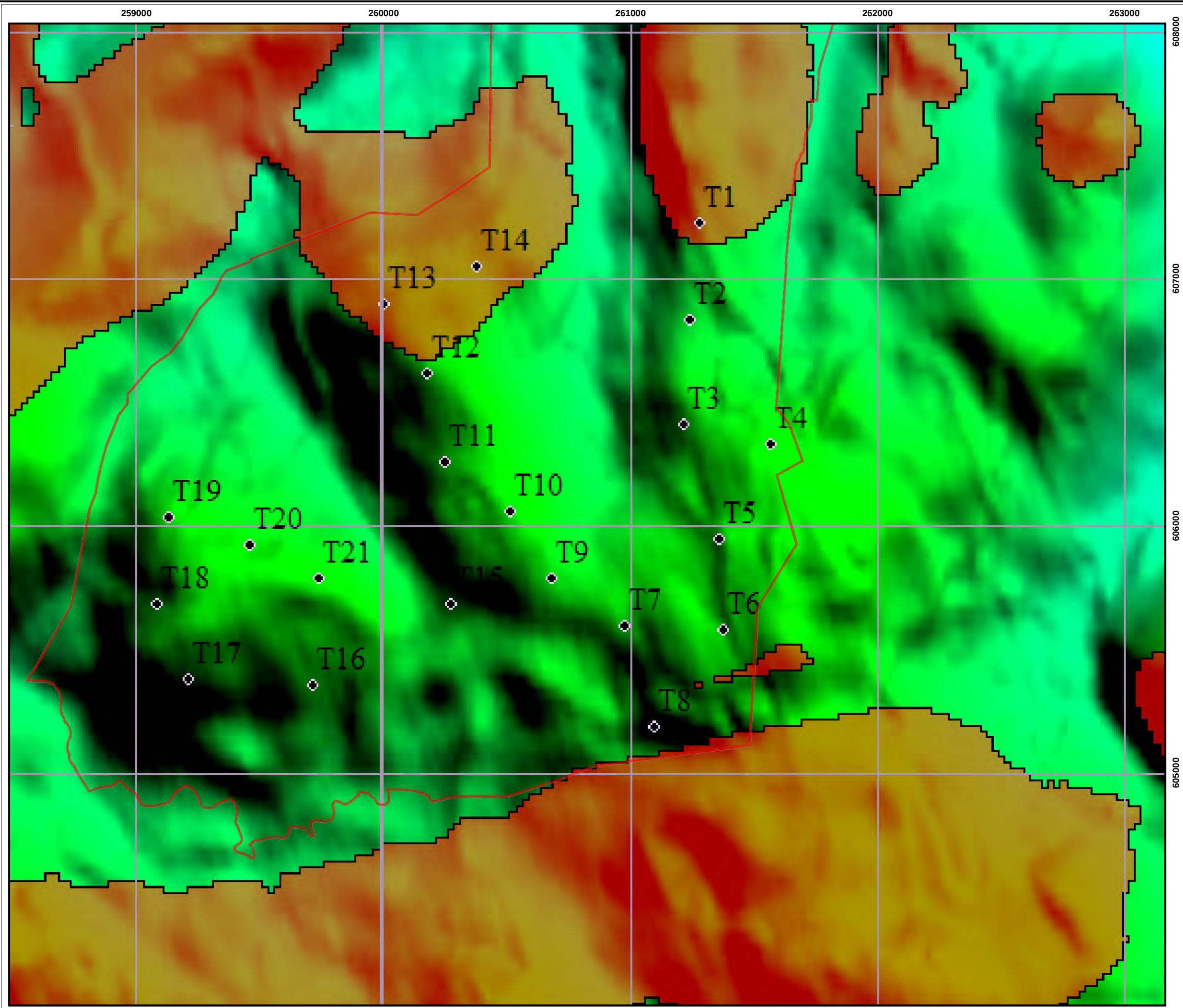
0 250 500
Metres

PENCLOE WINDFARM

REVISION: A MXD: 009/g056

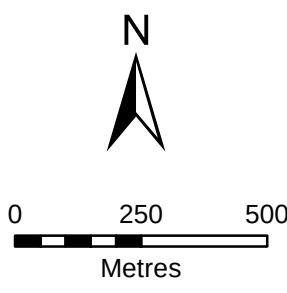
FIGURE 15.1
LINE OF SIGHT FROM GREAT DUN
FELL PRIMARY SURVEILLANCE
RADAR AT 125 METRES ABOVE
GROUND LEVEL

SCALE	PROJECT CODE
1:15,000 @ A3	JE30643
CONTENT	DRAWN
KG	SP
CHECKED	DATE
KG	18/09/2014



Key:

- Turbine
- Site Boundary
- Line of Sight
 - No Visibility
 - Visibility



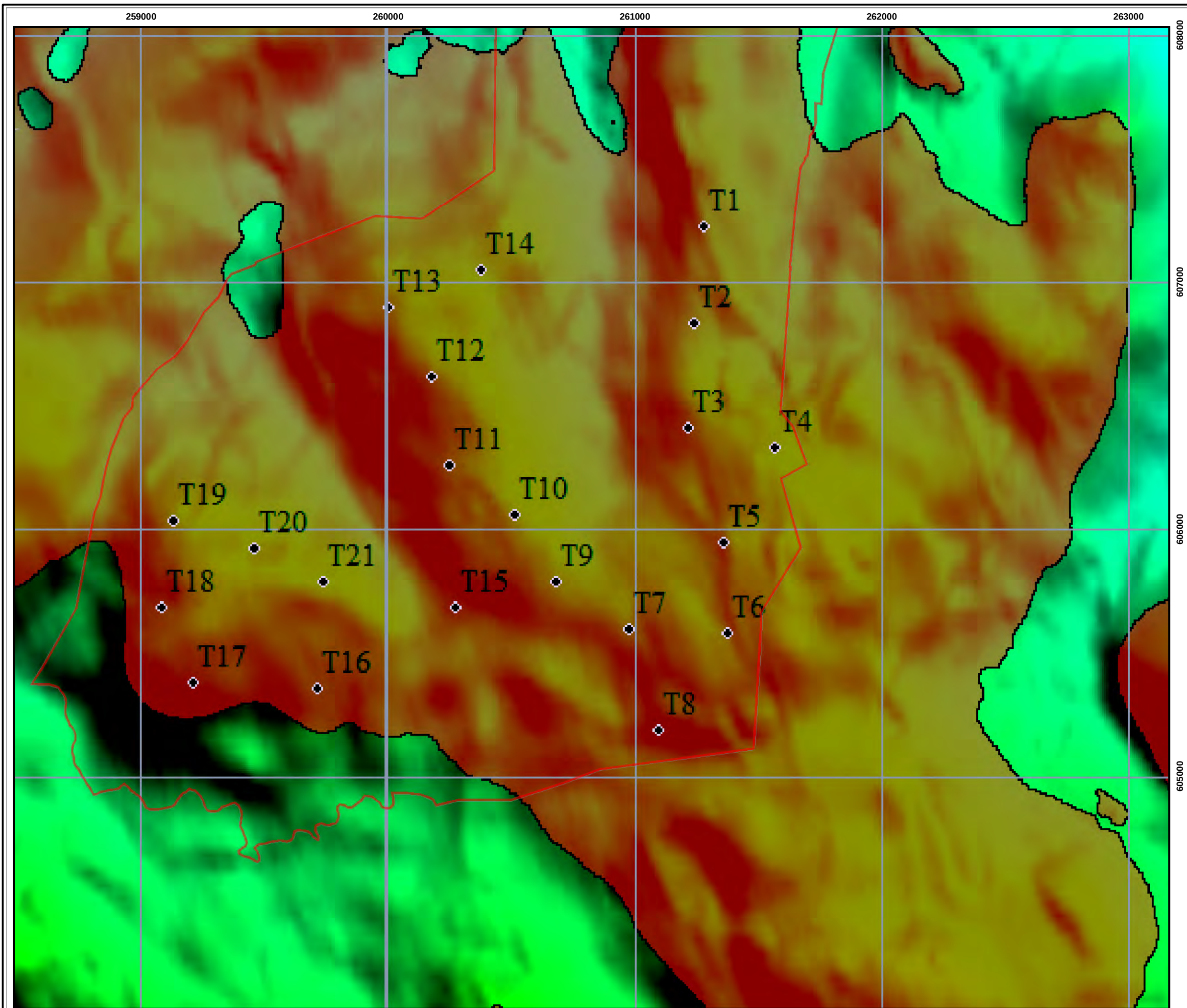
PENCLOE WINDFARM

REVISION: A MXD: 009/g057

FIGURE 15.2
LINE OF SIGHT FROM LOWTHER
HILL PRIMARY SURVEILLANCE
RADAR AT 125 METRES ABOVE
GROUND LEVEL

SCALE	PROJECT CODE
1:15,000 @ A3	JE30643
CONTENT	DRAWN
KG	SP
CHECKED	DATE
KG	18/09/2014





Key:

- Turbine
- ▭ Site Boundary
- Line of Sight
 - ▭ No Visibility
 - ▭ Visibility

PENCLOE WINDFARM

REVISION: A

MXD: 009/g058

FIGURE 15.3
LINE OF SIGHT FROM
PRESTWICK AIRPORT PRIMARY
SURVEILLANCE RADAR AT 125
METRES ABOVE GROUND LEVEL

SCALE	PROJECT CODE
1:15,000 @ A3	JE30643
CONTENT	DRAWN
KG	SP
CHECKED	DATE
KG	18/09/2014