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- Key
- Proposed Cable Section
- Watercourse Buffer (30 m)
- Watercourse
- Water body
- Watercourse Crossing Location - UG Cable

Figure 8.2: Watercourse Crossing Locations

Project No: UK12-23166  
Title: Tralerg Wind Farm Grid Connection

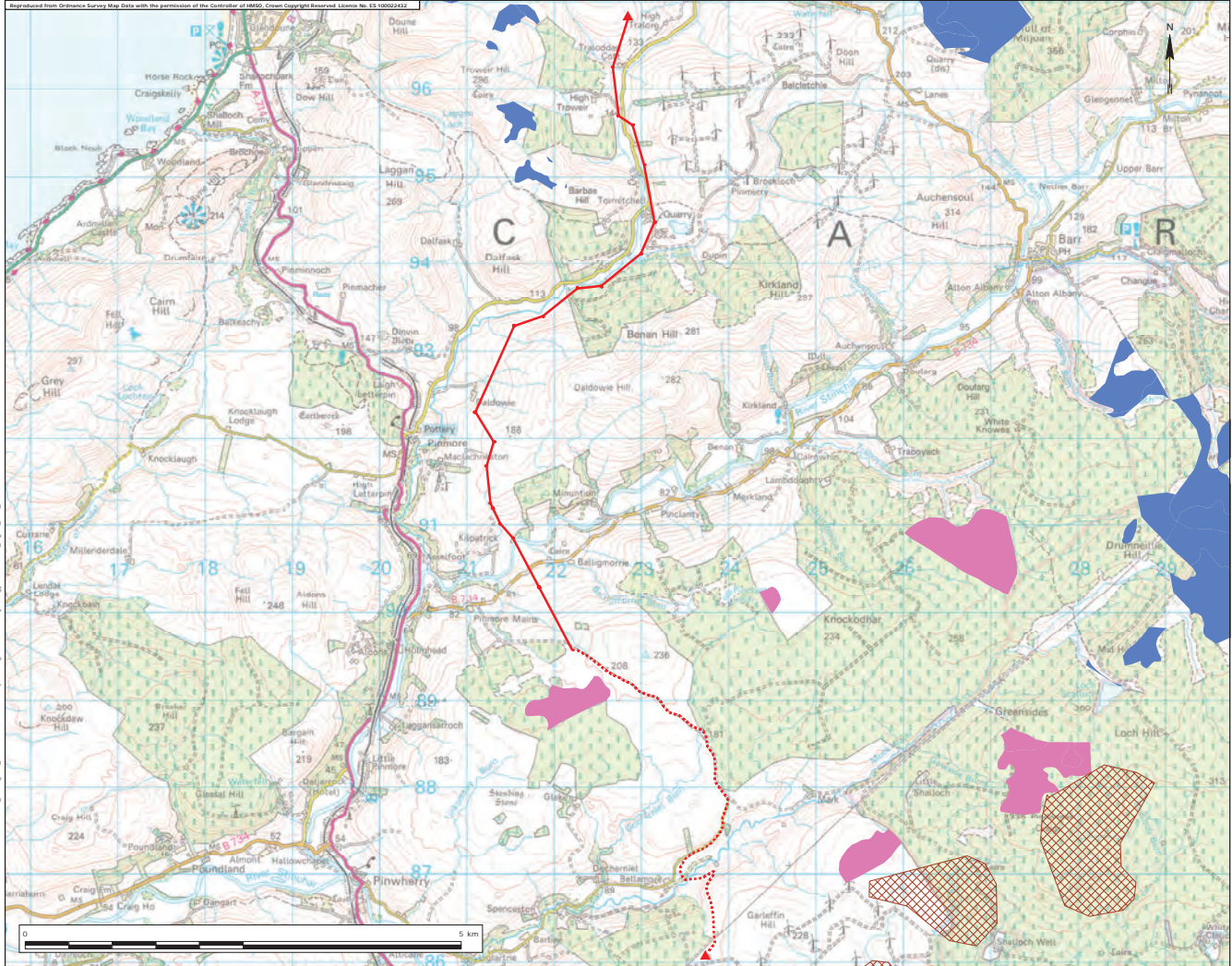
Client: SP Energy Networks

Date: September 2018

Scale: 1:10,000 @ A3  
Sheet: 3 Drawn by: AC



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 Date: 12/09/2018 10:58:11 AM

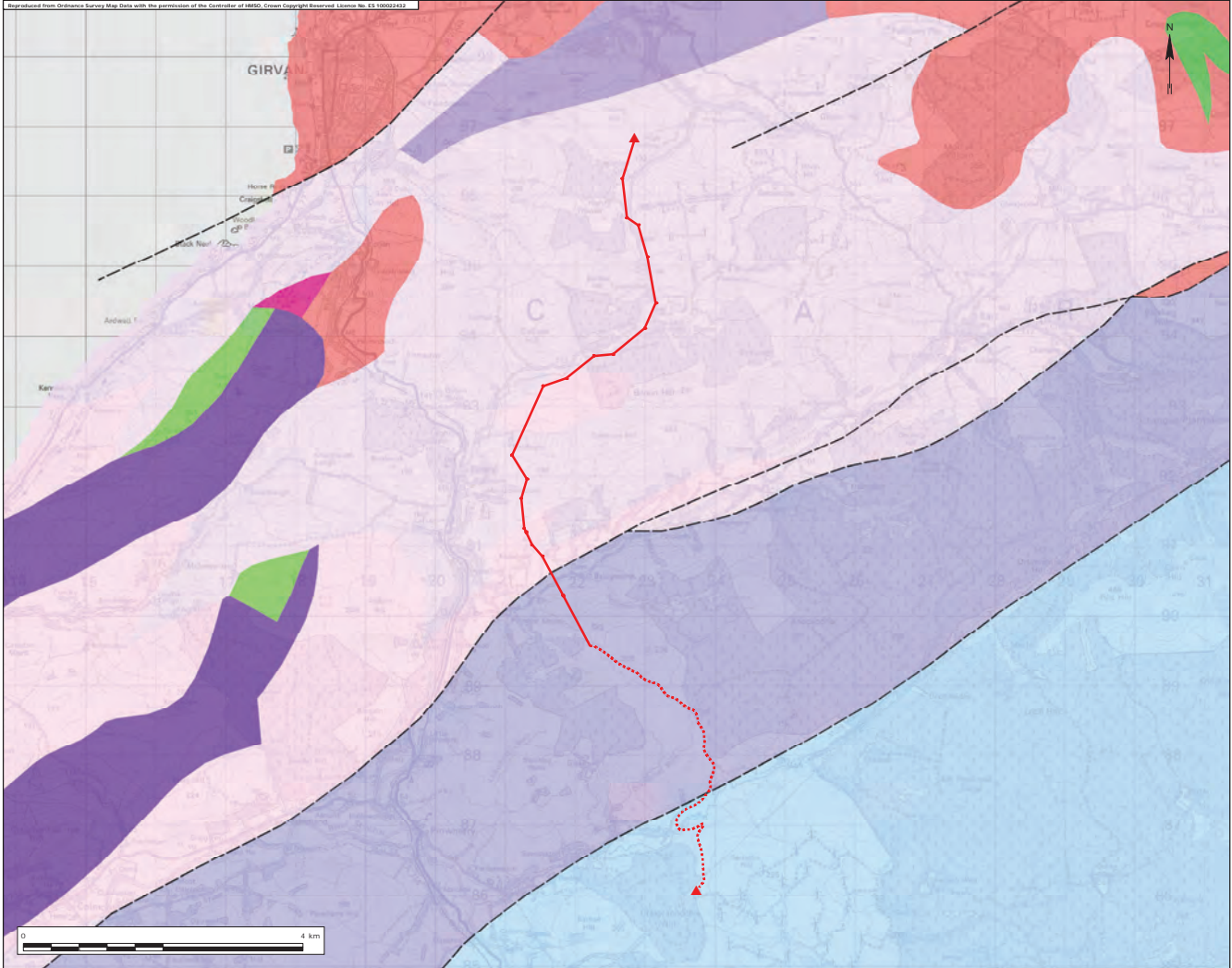


- ▲ Connection points
- Proposed 33kV OHL Alignment
- ⋯ Proposed Cable Section
- ▨ Peat
- Carbon and Peatland
- Class 1
- Class 2
- Class 3

|             |                                   |
|-------------|-----------------------------------|
| Figure No.  | Figure 8.3:                       |
| Topic       | Peat                              |
| Project No. | UK12-23166                        |
| Site        | Tralerg Wind Farm Grid Connection |
| Client      | SP Energy Networks                |
| Date        | September 2018                    |
| Scale       | 1:40,000 @ A3                     |
| Issue       | 2                                 |
| Drawn by    | AC                                |



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- Key**
- ▲ Connection points
  - Proposed 33KV OHL Alignment
  - ⋯ Proposed Cable Section

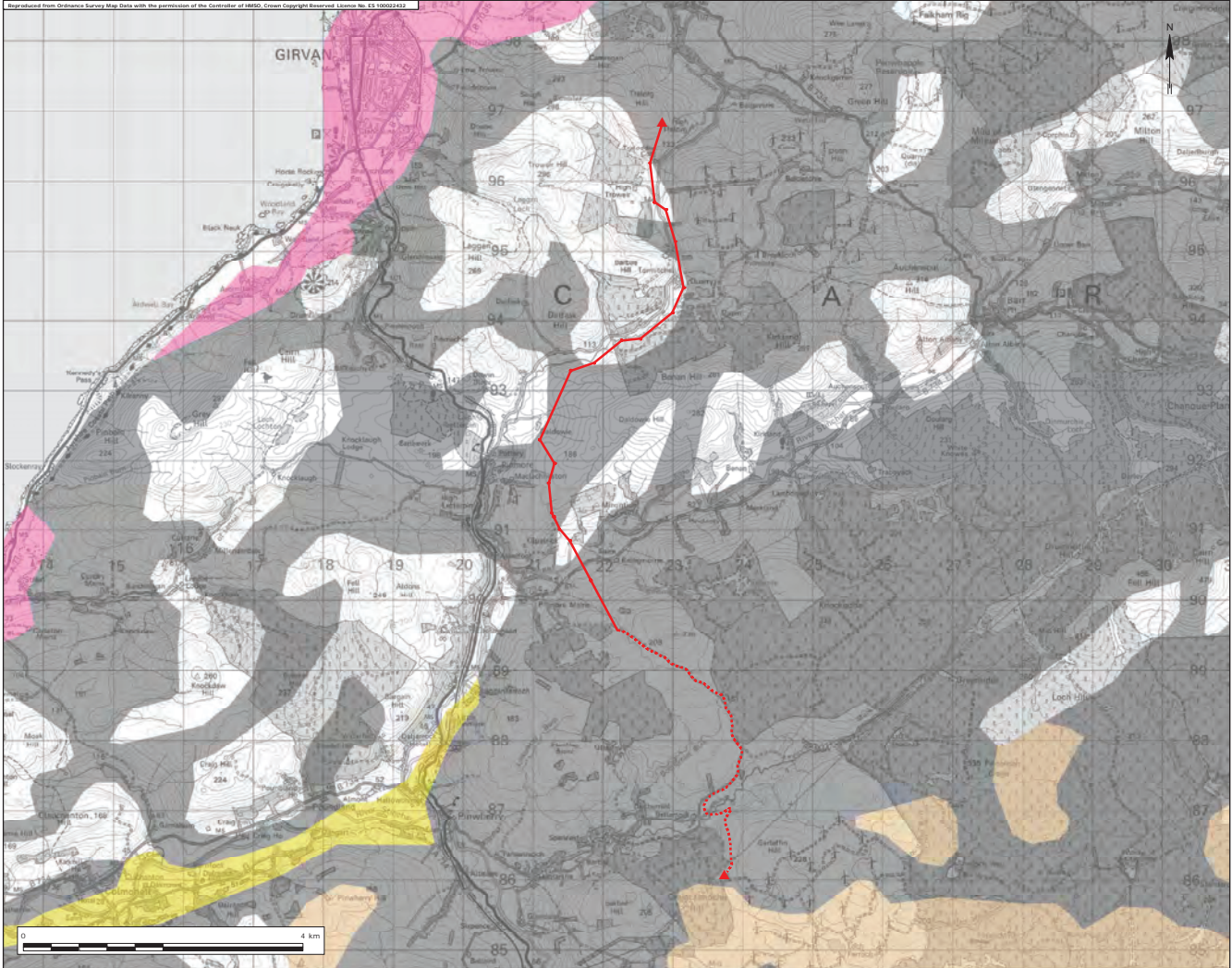
- Bedrock Geology**
- UNNAMED IGNEOUS INTRUSION, LATE SILURIAN TO EARLY DEVONIAN - MAFIC IGNEOUS-ROCK
  - LANARK GROUP - SANDSTONE AND CONGLOMERATE, INTERBEDDED
  - SILURIAN ROCKS (UNDIFFERENTIATED) - MUDSTONE, SILTSTONE AND SANDSTONE
  - KIRKCOOLM FORMATION - WACKE
  - LEADHILLS SUPERGROUP - WACKE
  - TAPPINS GROUP - WACKE
  - UNNAMED IGNEOUS INTRUSION, ORDOVICIAN TO SILURIAN - FELSIC-ROCK
  - UNNAMED IGNEOUS INTRUSION, ORDOVICIAN TO SILURIAN - MAFIC IGNEOUS-ROCK
  - CAMBRIAN AND ORDOVICIAN ROCKS (UNDIFFERENTIATED) - MAFIC LAVA AND MAFIC TUFF
  - UNNAMED IGNEOUS INTRUSION, CAMBRIAN TO ORDOVICIAN -

|   |                |
|---|----------------|
| Title                                     |                |
| Figure 8.2.1:<br>Bedrock Geology          |                |
| Project No. UK12-23166                    |                |
| Site Tralerg Wind Farm<br>Grid Connection |                |
| Client SP Energy Networks                 |                |
| Date September 2018                       |                |
| Scale 1:50,000                            | @ A3           |
| Issue 4                                   | Drawn by CM/AC |



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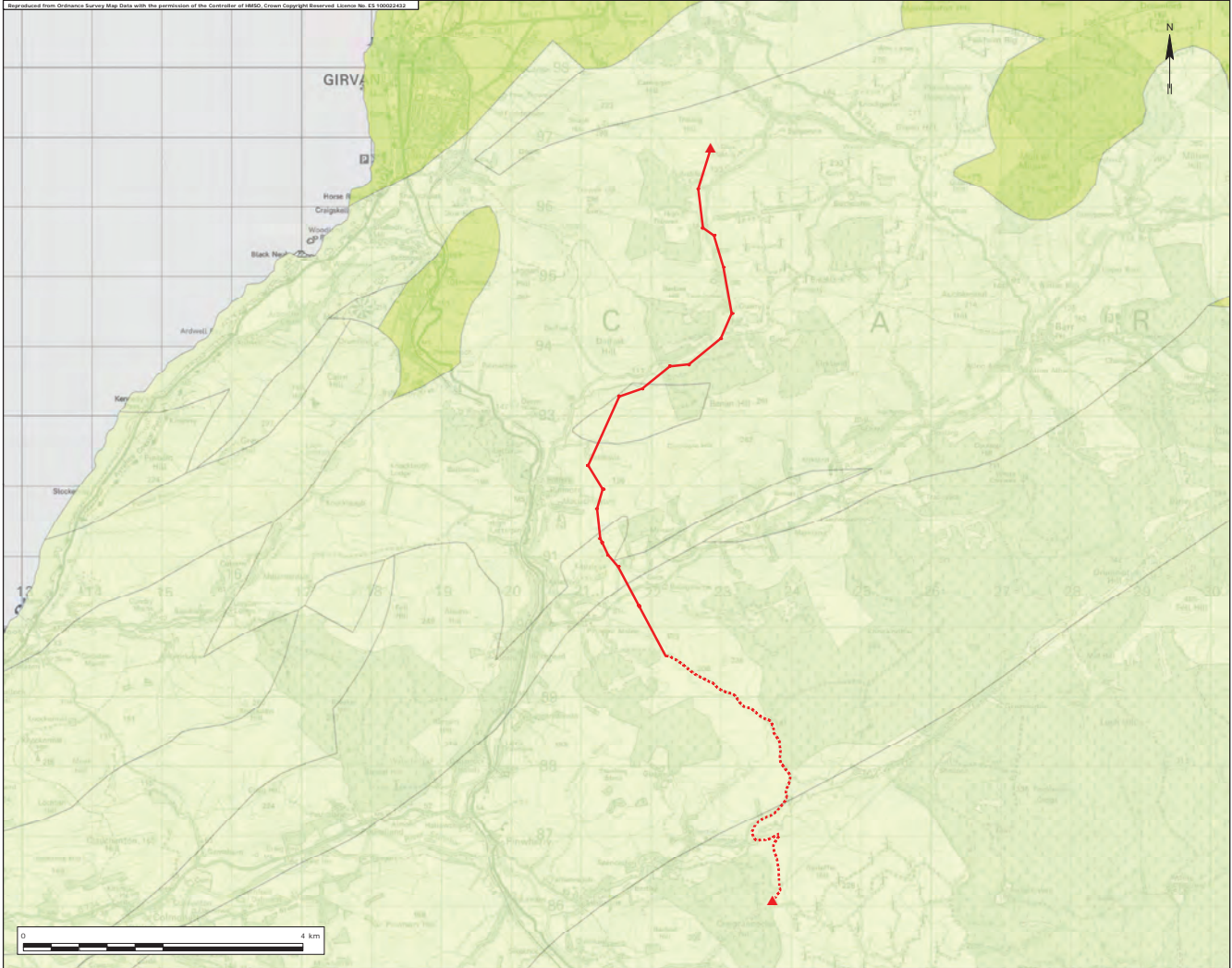
- Key
- ▲ UK1223166\_Ma...
  - ▲ Connection points
  - Proposed 33kV OHL Alignment
  - ..... Proposed Cable Section
- Superficial Geology (625k)**
- CLAY
  - CLAY, SILT AND SAND
  - DIAMICTON
  - PEAT
  - SAND
  - SAND AND GRAVEL
  - SILT

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Figure 8.2.2:<br>Superficial Geology |                                       |
| Project No.                          | UK12-23166                            |
| Site                                 | Trillick Wind Farm<br>Grid Connection |
| Client                               | SP Energy Networks                    |
| Date                                 | September 2018                        |
| Scale                                | 1:50,000 @ A3                         |
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- Key
- ▲ Connection points
  - Proposed 33kV OHL Alignment
  - ⋯ Proposed Cable Section

**Aquifer Classification**

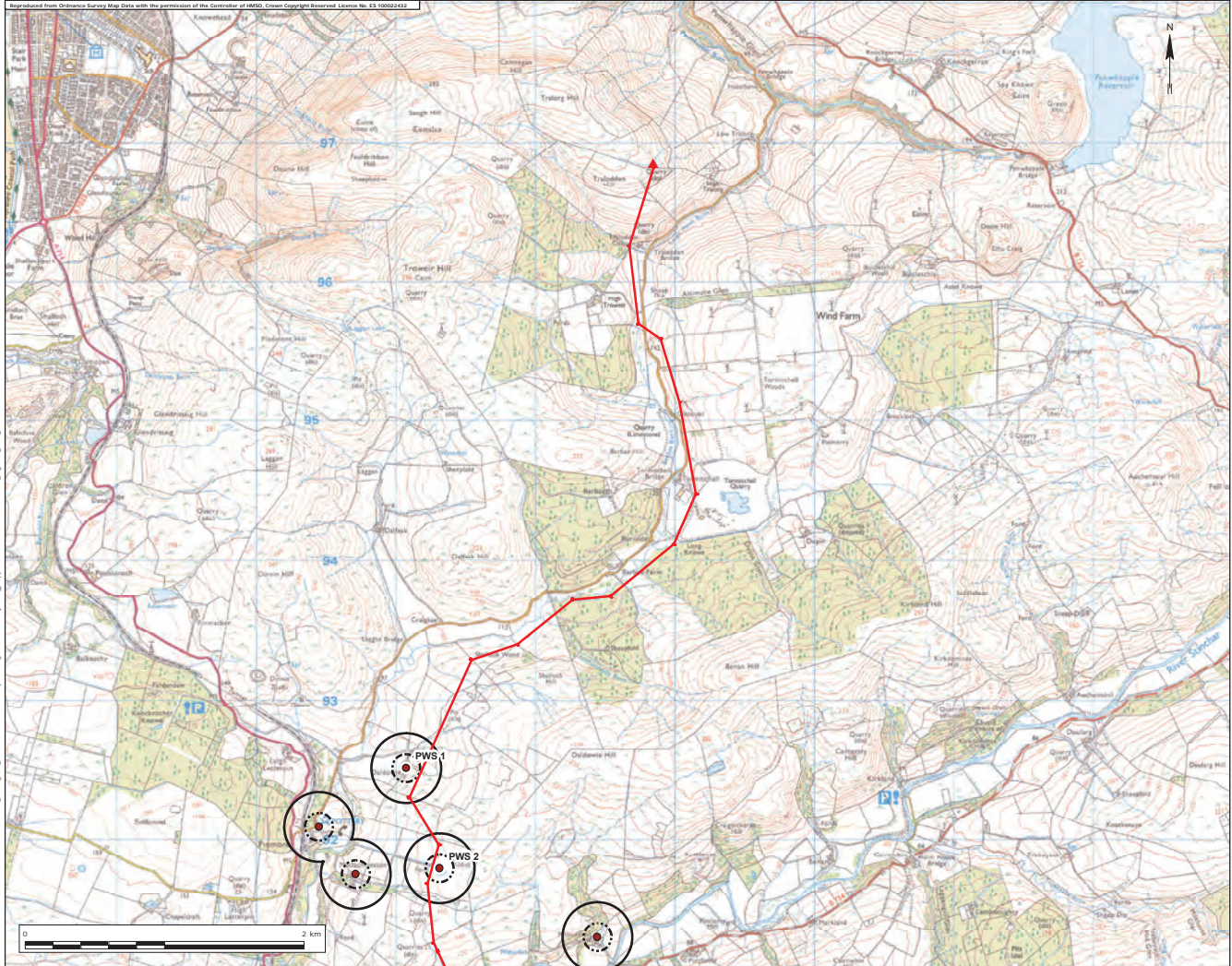
- Moderately productive aquifer
- Low productivity aquifer (Aquifers in which flow is virtually all through fractures and other discontinuities)

|   |                |
|---|----------------|
| Title                                     |                |
| Figure 8.2.3:<br>Bedrock Aquifers         |                |
| Project No. UK12-23166                    |                |
| Site Tralerg Wind Farm<br>Grid Connection |                |
| Client SP Energy Networks                 |                |
| Date September 2018                       |                |
| Scale 1:50,000                            | @ A3           |
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- Key
- ▲ Connection point
  - Proposed 33kV OHL Alignment
  - Private Water Supply (PWS)
  - PWS Buffer (250 m)
  - PWS Buffer (100 m)

Figure 8.2.4a: Private Water Supply (PWS)

Project No. UK12-23166  
Title Tralerg Wind Farm Grid Connection

Client SP Energy Networks

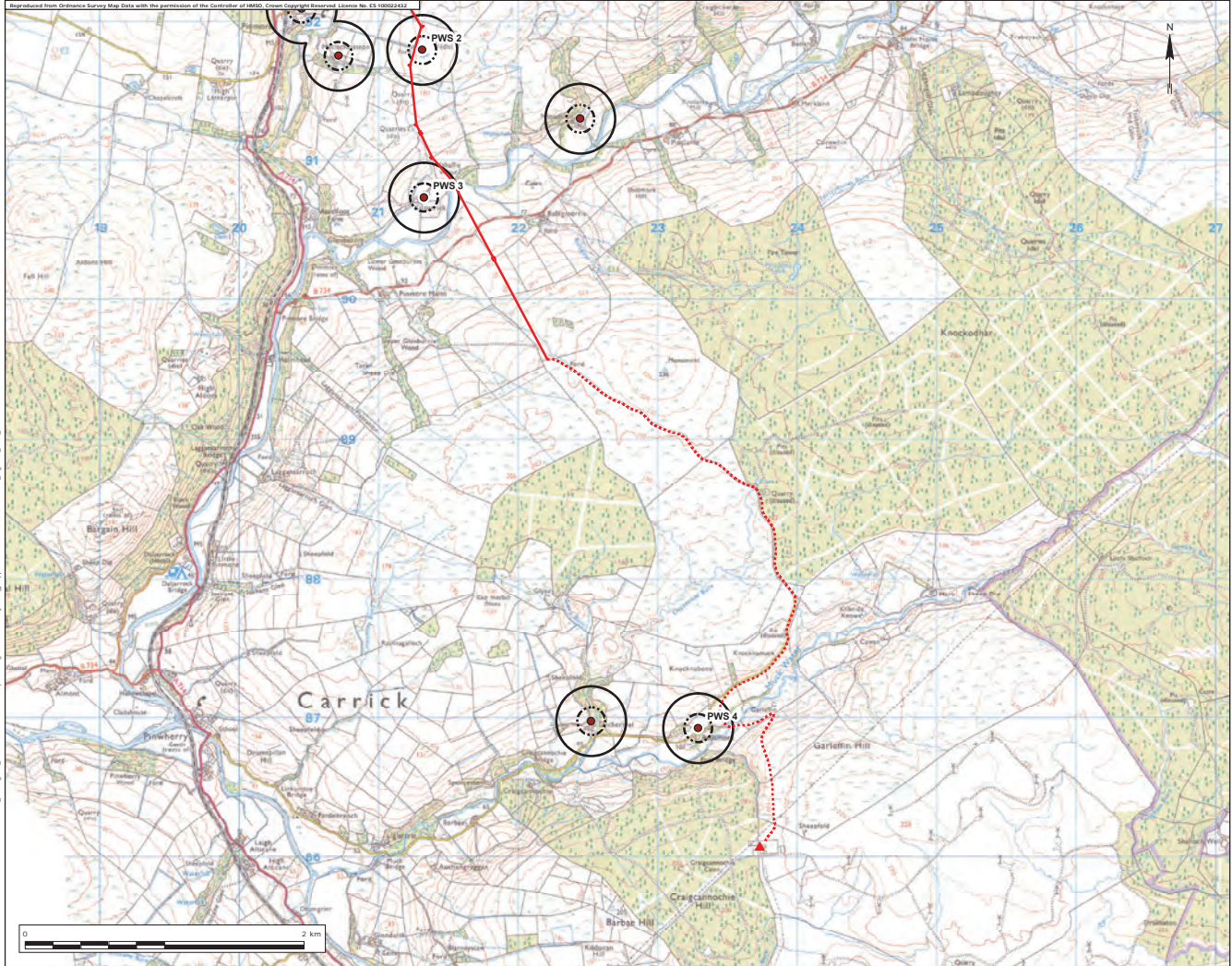
Date September 2018

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- Key
- ▲ Connection Point (Mark Hill)
  - Proposed 33kV OHL Alignment
  - ⋯ Proposed Cable Section
  - Private Water Supply (PWS)
  - PWS Buffer (250 m)
  - ⊖ PWS Buffer (100 m)

Figure 8.2.4b: Private Water Supply (PWS)

Project No: UK12-23166  
 Title: Trilarg Wind Farm Grid Connection

Client: SP Energy Networks

Date: September 2018

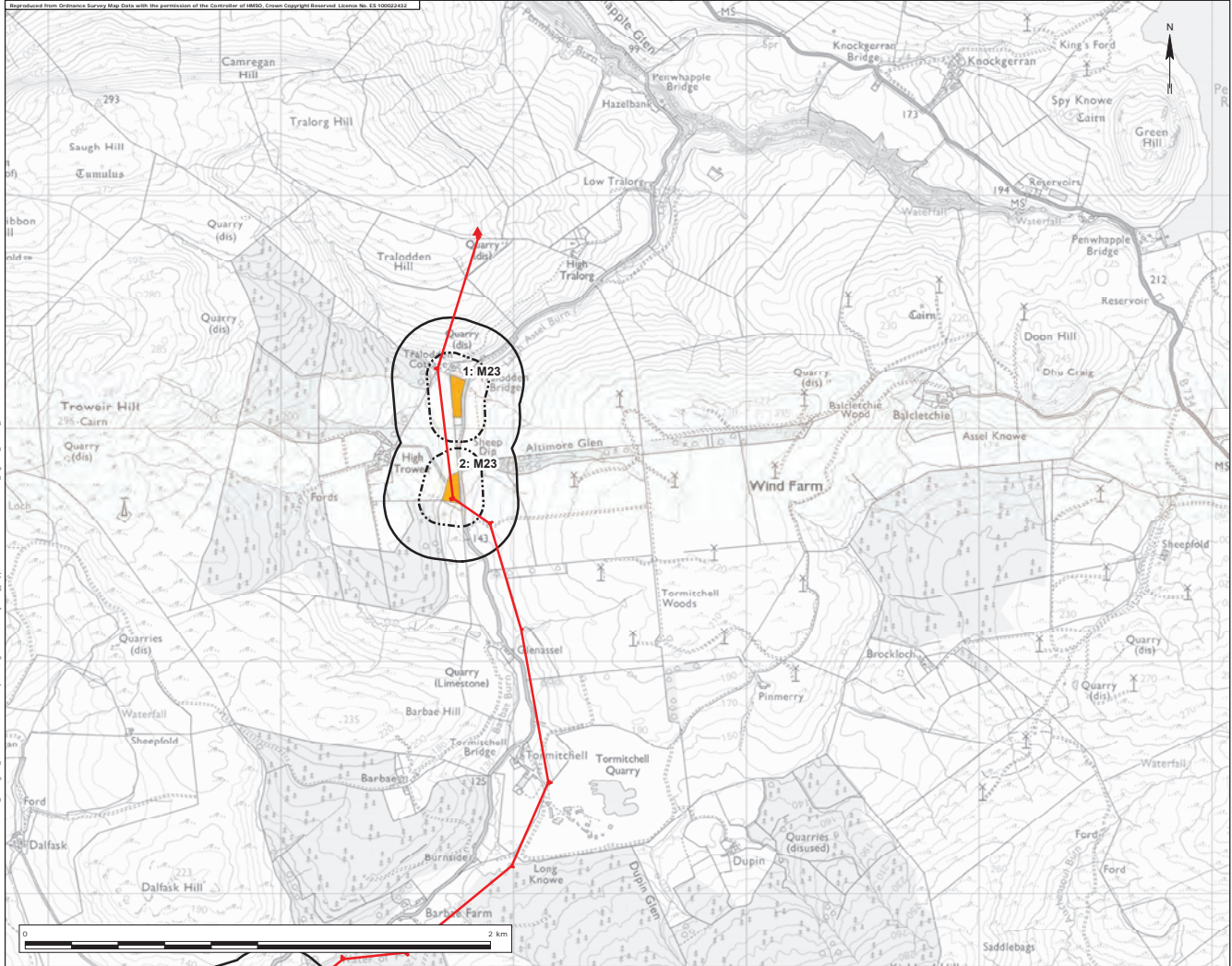
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- Key
- ▲ Connection points
  - Proposed 33kV OHL Alignment
  - Potential Moderate GWDE
  - GWDE Buffer (250 m)
  - GWDE Buffer (100 m)

|             |                                      |
|-------------|--------------------------------------|
| Title       | Figure 8.2.5a<br>Potential GWDE      |
| Project No. | UK12-23166                           |
| Site        | Tralorg Wind Farm<br>Grid Connection |
| Client      | SP Energy Networks                   |
| Date        | September 2018                       |
| Scale       | 1:15,000 @ A3                        |
| Issue       | 4                                    |
| Drawn by    | NL/AC                                |



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- Key
- ▲ Connection Point (Mark Hill)
  - Proposed 33kV OHL Alignment
  - ⋯ Proposed Cable Section
  - Potential Moderate GWLTE
  - Potential High GWLTE
  - GWLTE Buffer (250 m)
  - GWLTE Buffer (100 m)

|   |                 |
|---|-----------------|
| Figure 8.2.5c: Potential GWLTE          |                 |
| Project No. UK12-23166                  |                 |
| Site: Trilogy Wind Farm Grid Connection |                 |
| Client: SP Energy Networks              |                 |
| Date: September 2018                    |                 |
| Scale: 1:15,000                         | Sheet: A3       |
| Issue: 4                                | Drawn by: NL/AC |



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- Key
- Wood Pole Locations
  - Proposed 33kV OHL Alignment
  - ▭ Working Corridor
- Forestry Aspects Survey
- Broadleaves

Figure 9.1A: Tralerg Forestry Appraisal

Project No: UK12-23166  
Site: Tralerg Wind Farm Grid Connection

Client: SP Energy Networks

Date: October 2018

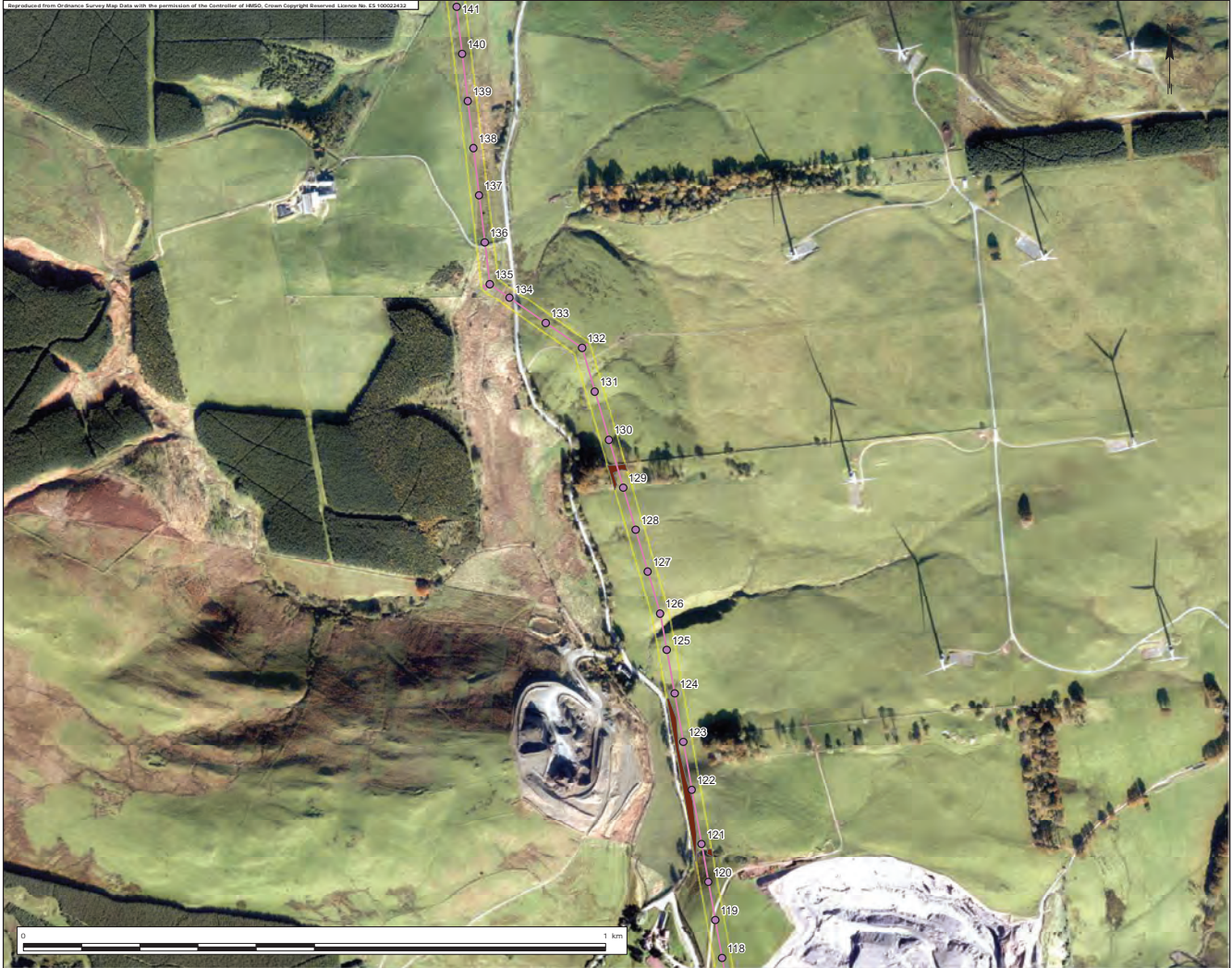
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- Key
- Wood Pole Locations
  - Proposed 33kV OHL Alignment
  - ▭ Working Corridor
- Forestry Aspects Survey
- ▭ Broadleaves

Figure 9.18: Tralerg Forestry Appraisal

Project No. UK12-23166

Site Tralerg Wind Farm Grid Connection

Client SP Energy Networks

Date October 2018

Scale 1:6,000 @ A3

Issue 1 Drawn by JK



Path: P:\CONTRACTS\UK12\123166\SP Power\Tralerg Wind Farm Grid Connection\GIS\MapDocs\UK12\23166\Fig 9.18: Tralerg Forestry Appraisal.dwg

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- Key
- Wood Pole Locations
  - Proposed 33kV OHL Alignment
  - Working Corridor
- Forestry Aspects Survey
- Broadleaves
  - Semi mature conifers
  - Young broadleaves

Figure 9.1C: Tralerg Forestry Appraisal

Project No: UK12-23166  
 Title: Tralerg Wind Farm Grid Connection

Client: SP Energy Networks

Date: October 2018

Scale: 1:6,000 @ A3

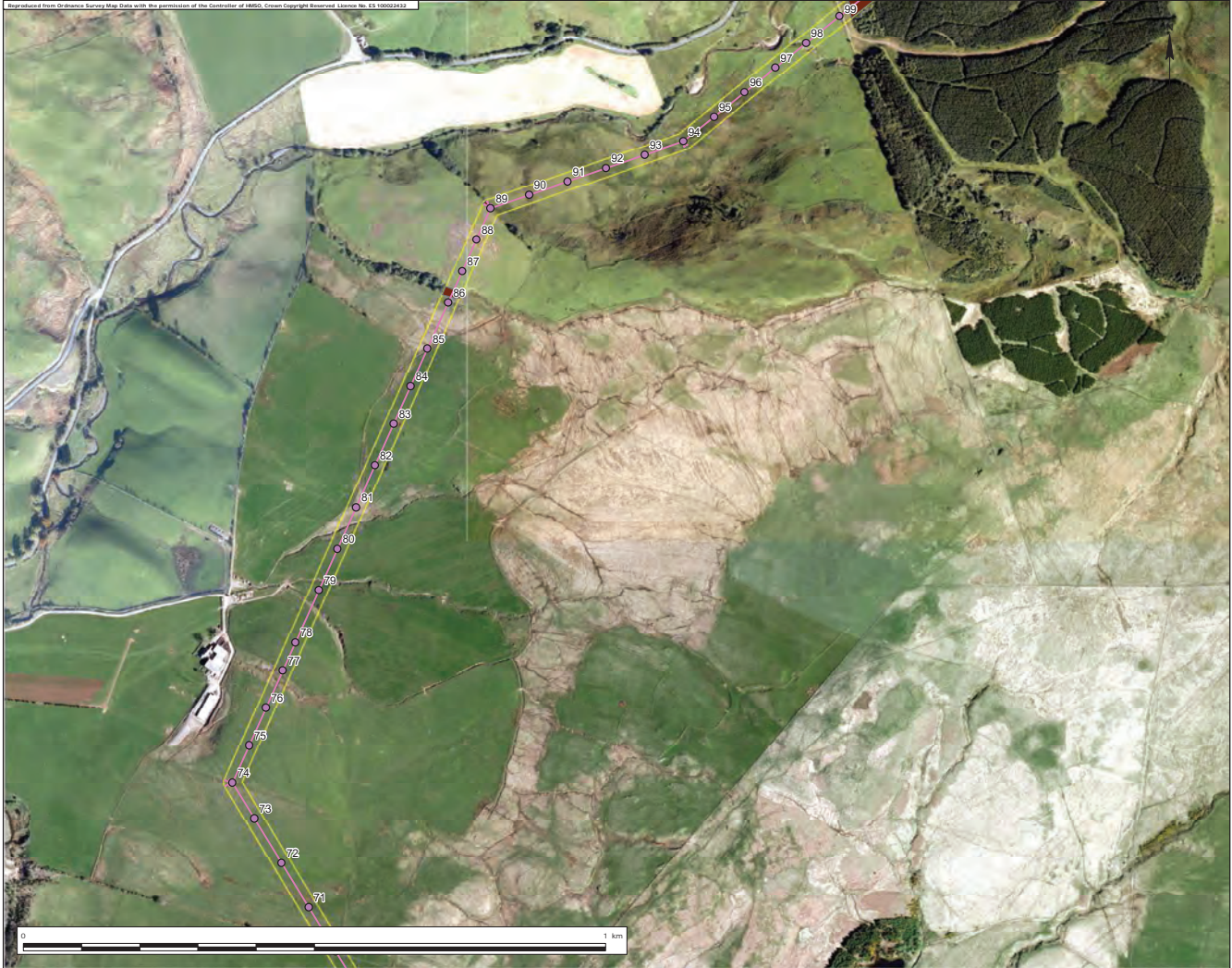
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- Key
- Wood Pole Locations
  - Proposed 33kV OHL Alignment
  - ▭ Working Corridor
- Forestry Aspects Survey
- Broadleaves

Figure 9.1E: Tralerg Forestry Appraisal

Project No: UK12-23166  
Site: Tralerg Wind Farm Grid Connection

Client: SP Energy Networks

Date: October 2018

Scale: 1:6,000 @ A3

Issue: 1 Drawn by: JK



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- Wood Pole Locations
  - Proposed 33kV OHL Alignment
  - Working Corridor
- Forestry Aspects Survey**
- Broadleaves

Figure 9.1F: Tralerg Forestry Appraisal

Project No: UK12-23166

Site: Tralerg Wind Farm Grid Connection

Client: SP Energy Networks

Date: October 2018

Scale: 1:6,000 @ A3

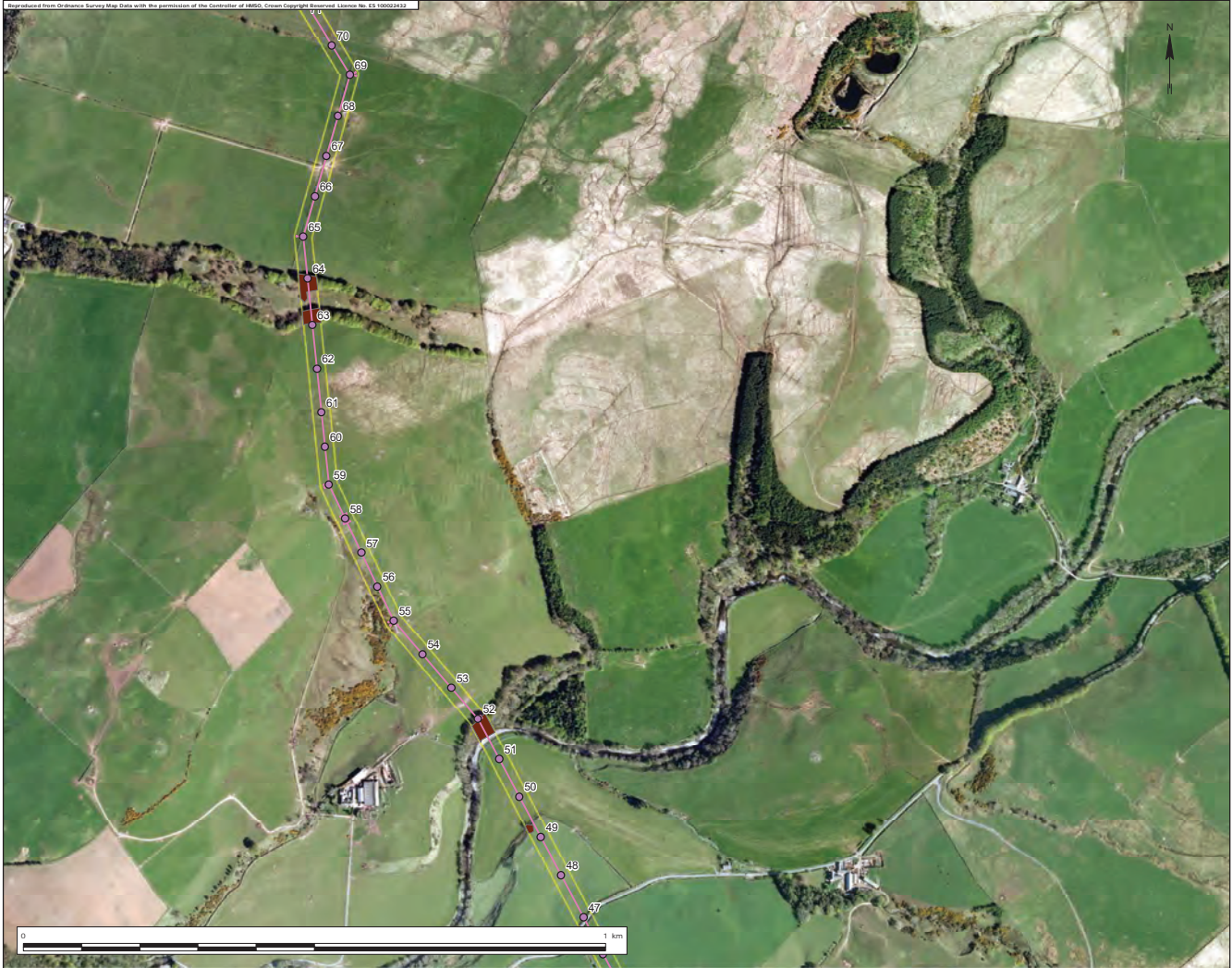
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- Key
- Wood Pole Locations
  - Proposed 33kV OHL Alignment
  - Working Corridor
- Forestry Aspects Survey
- Broadleaves

|   |             |
|---|-------------|
| Title                                   |             |
| Figure 9.1G: Tralerg Forestry Appraisal |             |
| Project No. UK12-23166                  |             |
| Site Tralerg Wind Farm Grid Connection  |             |
| Client SP Energy Networks               |             |
| Date October 2018                       |             |
| Scale 1:6,000                           | @ A3        |
| Issue 1                                 | Drawn by JK |



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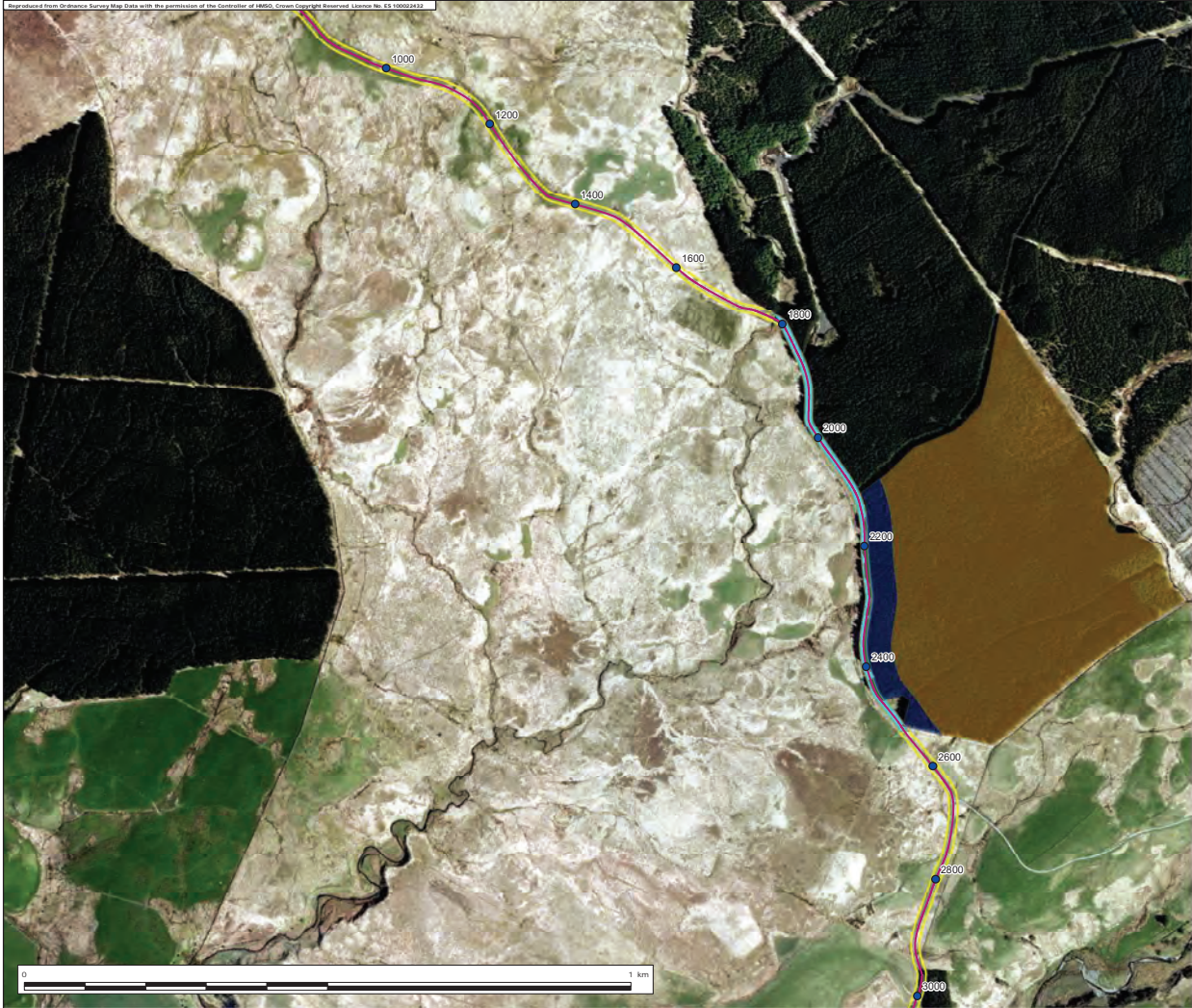
- Key
- Wood Pole Locations
  - Chainage Underground Cable
  - Proposed 33kV OHL Alignment
  - Proposed Cable Section
  - Working Corridor
- Forestry Aspects Survey
- Broadleaves

|   |             |
|---|-------------|
| Title                                   |             |
| Figure 9.1H: Tralerg Forestry Appraisal |             |
| Project No. UK12-23166                  |             |
| Site Tralerg Wind Farm Grid Connection  |             |
| Client SP Energy Networks               |             |
| Date October 2018                       |             |
| Scale 1:6,000                           | @ A3        |
| Issue 1                                 | Drawn by JK |



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- Key
- Chainage Underground Cable
  - Proposed Cable Section
  - Working Corridor

- Forestry Aspects Survey
- Broadleaves
  - Mature conifers
  - Sterilisation of forest ground
  - Mature conifers 40m safe working corridor
  - Windblow affected forest compartment

|   |             |
|---|-------------|
| Title                                   |             |
| Figure 9.11: Tralerg Forestry Appraisal |             |
| Project No. UK12-23166                  |             |
| Site Tralerg Wind Farm Grid Connection  |             |
| Client SP Energy Networks               |             |
| Date October 2018                       |             |
| Scale 1:6,000                           | @ A3        |
| Issue 1                                 | Drawn by JK |



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- Key
- Chainage Underground Cable
  - Proposed Cable Section
  - Working Corridor

Forestry Aspects Survey

- Broadleaves

Title  
Figure 9.11: Tralerg Forestry Appraisal

Project No.  
UK12-23166

Client  
SP Energy Networks

Date  
October 2018

Scale  
1:6,000 @ A3

Issue  
1 Drawn by JK



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