

---

# Access to Argyll & Bute [A83]

DMRB Stage 2 Scheme Assessment Report

Volume 3 – Environmental Drawings

Transport Scotland

May 2023

A83AAB-AWJ-GEN-LTS\_GEN-RP-ZZ-000011

---

This page is blank.

## Notice

This document and its contents have been prepared and are intended solely as information for Transport Scotland and use in relation to the Access to Argyll and Bute (A83) project.

Atkins WSP Joint Venture assumes no responsibility to any other party in respect of or arising out of or in connection with this document and/or its contents.

| Revision | Status | Purpose description | Originated | Checked | Reviewed | Authorised | Date     |
|----------|--------|---------------------|------------|---------|----------|------------|----------|
| P01      | A1     | Final               | Various    | MR      | SB       | IA/RHG     | 30/05/23 |
|          |        |                     |            |         |          |            |          |
|          |        |                     |            |         |          |            |          |
|          |        |                     |            |         |          |            |          |
|          |        |                     |            |         |          |            |          |
|          |        |                     |            |         |          |            |          |
|          |        |                     |            |         |          |            |          |
|          |        |                     |            |         |          |            |          |
|          |        |                     |            |         |          |            |          |

### Client signoff

|         |                                 |
|---------|---------------------------------|
| Client  | Transport Scotland              |
| Project | Access to Argyll and Bute [A83] |

---

This page is blank.

## Contents

| <b>Chapter</b>  | <b>Page</b> |
|---|-------------|
| 1. Chapter 1 – Summary of Previous Environmental Assessment | 7           |
| 2. Chapter 2 – Overview of Environmental Assessment         | 9           |
| 3. Chapter 3 – Air Quality                                  | 11          |
| 4. Chapter 4 – Cultural Heritage                            | 13          |
| 5. Chapter 5 – Landscape                                    | 19          |
| 6. Chapter 6 – Visual Effects                               | 27          |
| 7. Chapter 7 – Biodiversity                                 | 37          |
| 8. Chapter 8 – Geology and Soils                            | 39          |
| 9. Chapter 9 – Material Assets and Waste                    | 63          |
| 10. Chapter 10 – Noise and Vibration                        | 65          |
| 11. Chapter 11 – Population and Human Health                | 67          |
| 12. Chapter 12 – Effects on Climate                         | 69          |
| 13. Chapter 13 – Climate Vulnerability                      | 71          |
| 14. Chapter 14 – Major Accidents and Disasters              | 73          |
| 15. Chapter 15 – Road Drainage and Water Environment        | 75          |

---

This page is blank.

---

## 1. Chapter 1 – Summary of Previous Environmental Assessment

Not Used

---

This page is blank.



---

## 2. Chapter 2 – Overview of Environmental Assessment

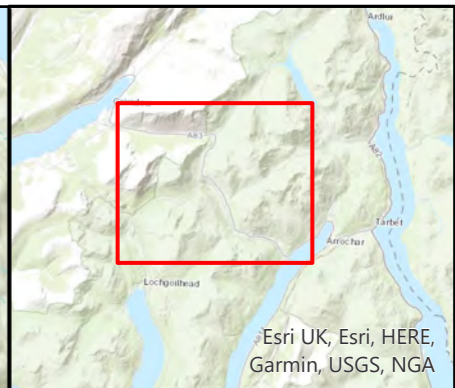
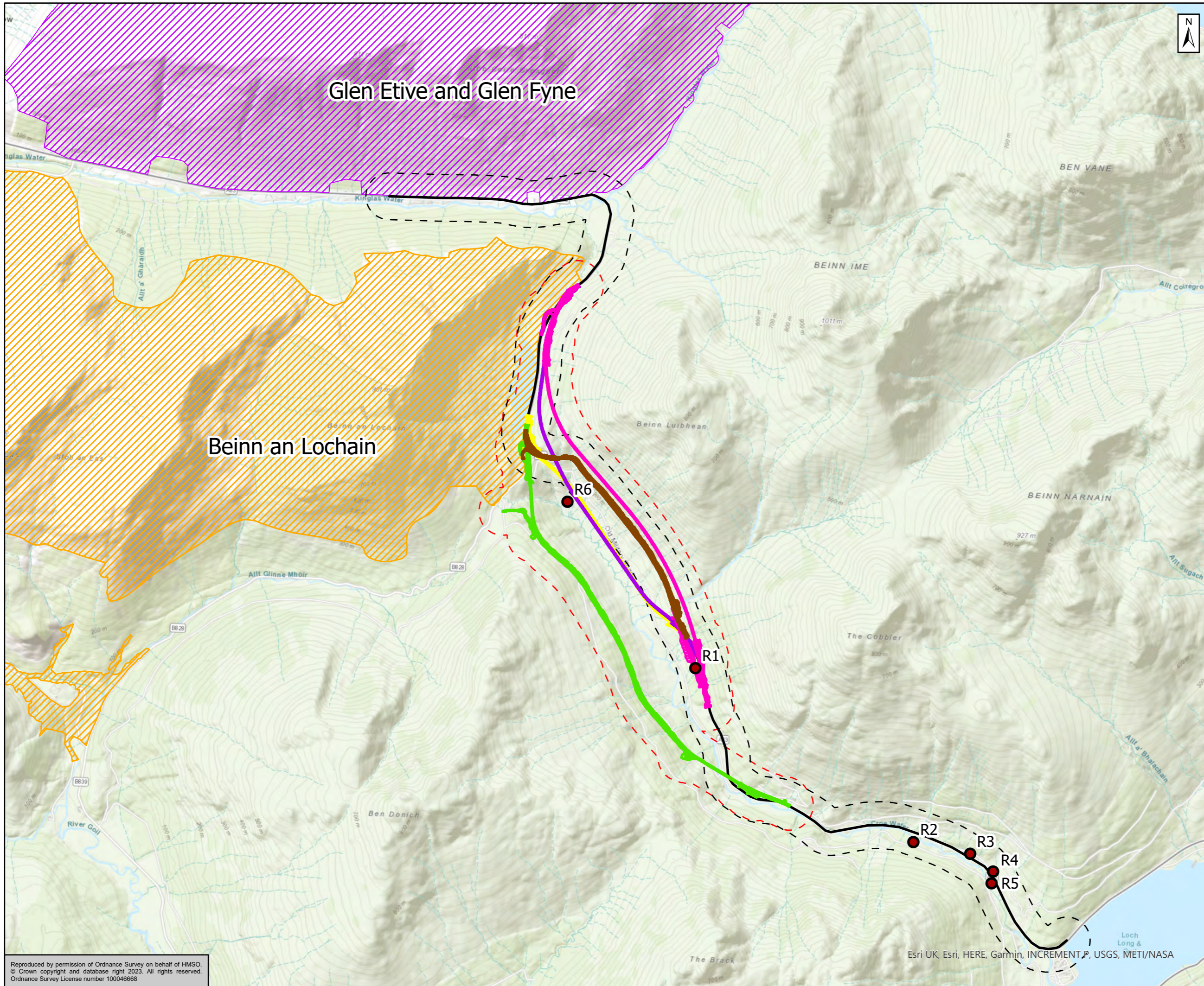
Not Used

---

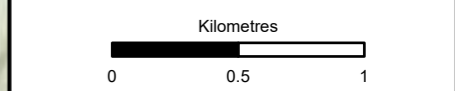
This page is blank.

---

## 3. Chapter 3 – Air Quality



- Human Health Receptors
- Existing A83 Trunk Road
- Brown Option
- Green Option
- Pink Option
- Purple Option
- Yellow Option
- - - 200m Existing A83 Trunk Road Buffer
- - - 200m Scheme Options Buffer
- ▨ Special Protection Areas (SPA)
- ▨ Sites of Special Scientific Interest (SSSI)



Subsidiary: Authored and Accepted – Stage 2 Status: A2



Figure 3.1  
A83 DMRB Stage 2 Assessment  
Air Quality Study Area  
Page 1 of 1

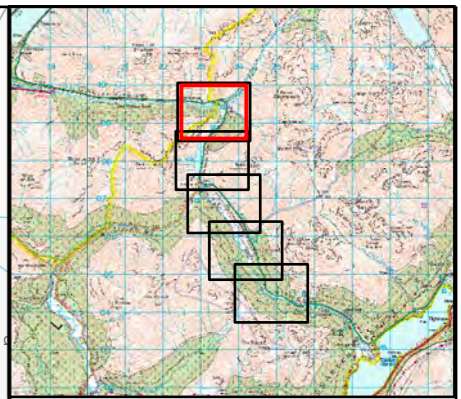
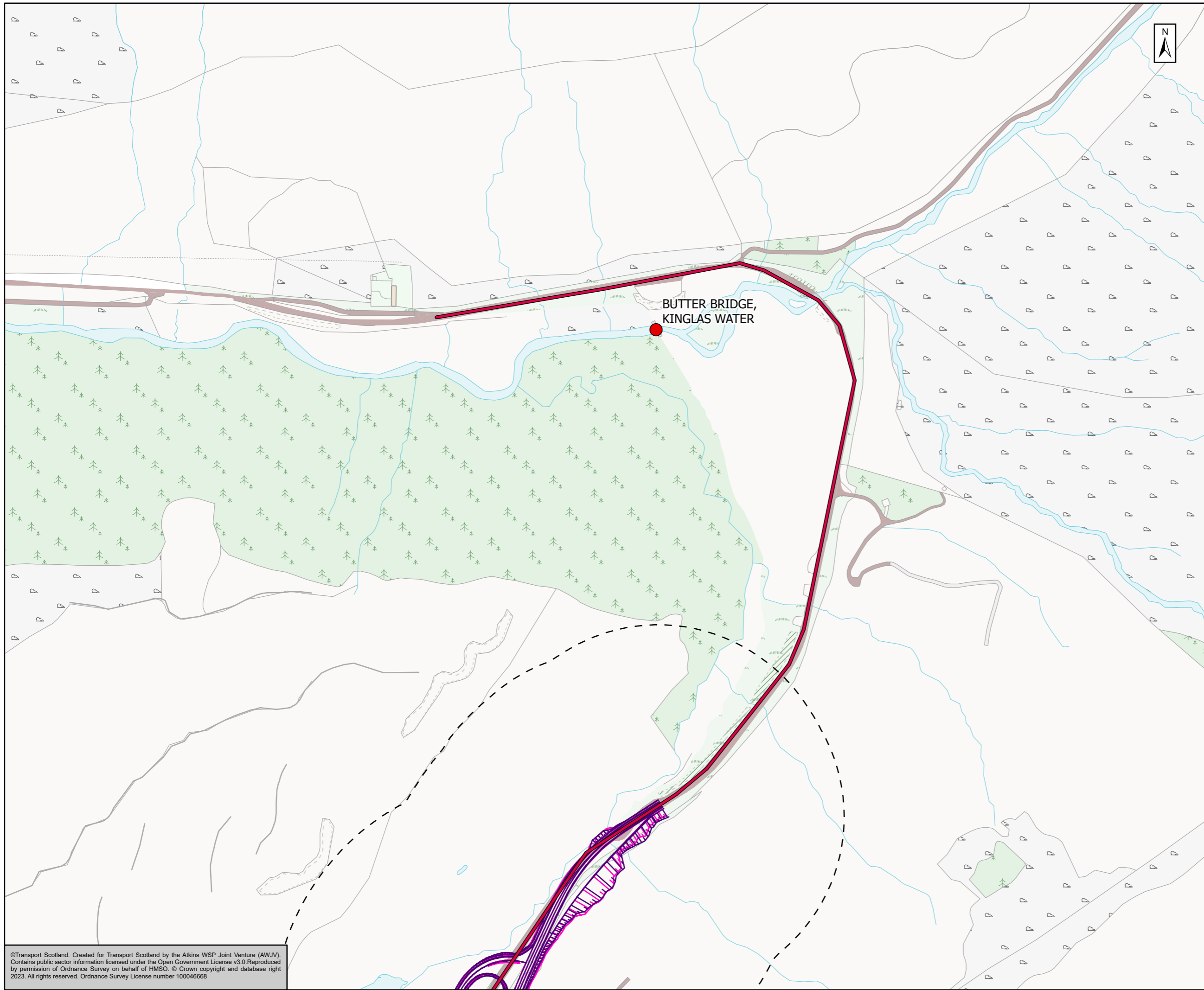
|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:30,000 | Drawn | LH         | Checked | HM     | Approved | ED       | Authorised | SH |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EAQ-LTS_GEN-DR-VT-000121 | P01      |       | P01        |         | P01    |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668

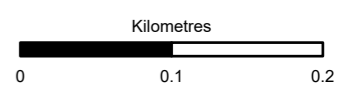
Esri UK, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA

---

## 4. Chapter 4 – Cultural Heritage



- Undesignated Assets
- Listed Buildings
- Existing A83 Trunk Road
- Existing Old Military Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Scheme Options – 250m Study Area



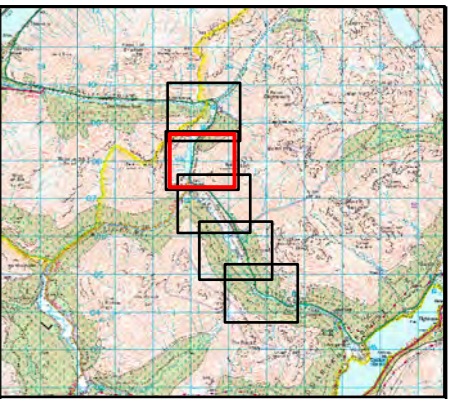
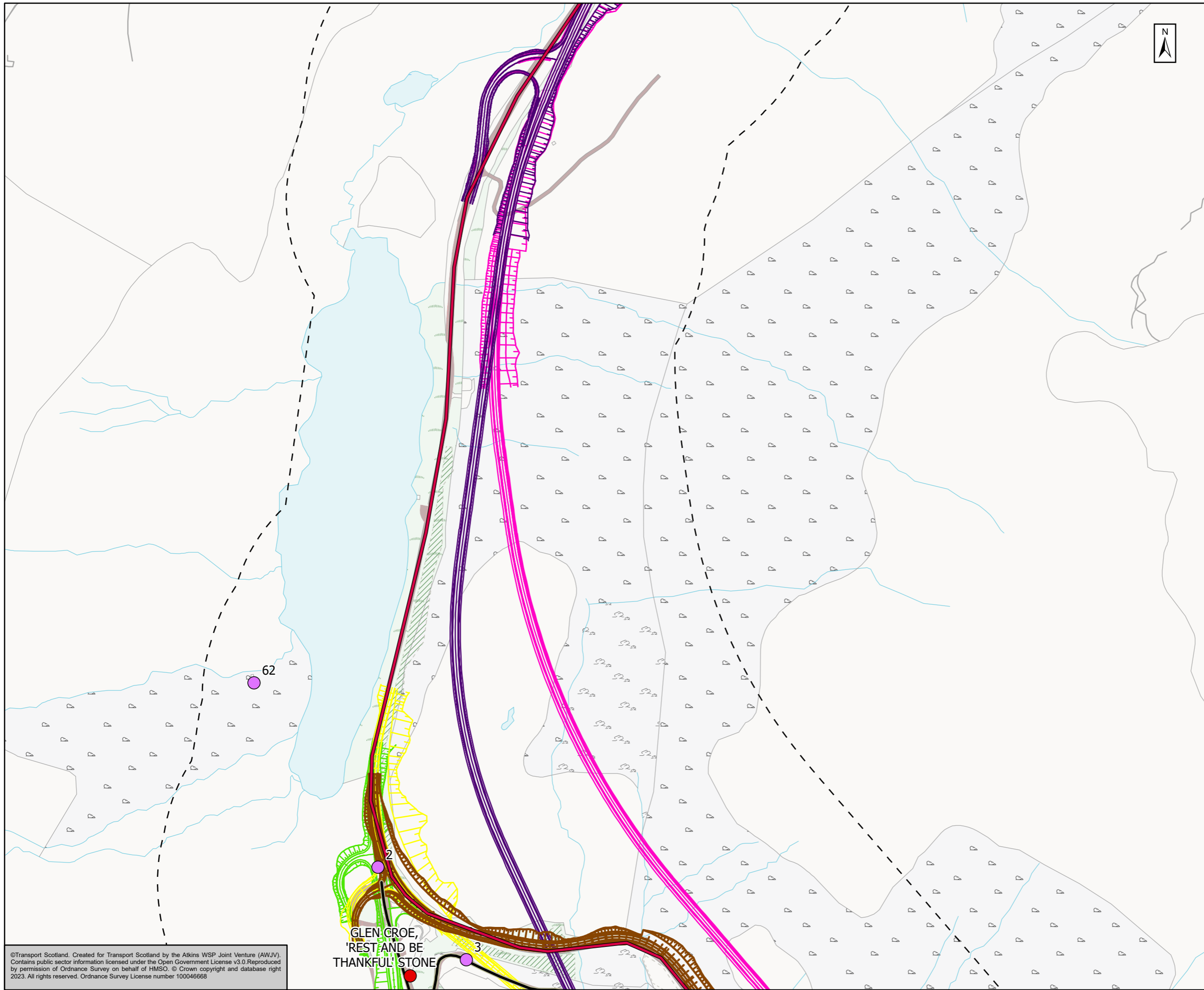
Subsidiary: Authored and Accepted – Stage 2      Status: A2



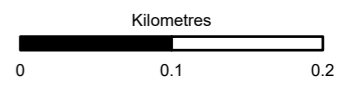
**Figure 4.1:**  
Cultural Heritage Assets  
Page 1 of 5

|  |             |               |                                 |                   |
|--|-------------|---------------|---------------------------------|-------------------|
| Scale<br>1:5,000                                       | Drawn<br>HM | Checked<br>AM | Approved<br>EC                  | Authorised<br>HRM |
| Document Number<br>A83AAB-AWJ-EHR-SCW_GEN-DR-VT-000106 |             |               |                                 | Revision<br>P01   |
| Project  | Originator  | Volume        | Location   Type   Role   Number |                   |

©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668



- Undesignated Assets
- Listed Buildings
- Existing A83 Trunk Road
- Existing Old Military Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Scheme Options – 250m Study Area



Subsidiary: Authored and Accepted – Stage 2 Status: A2

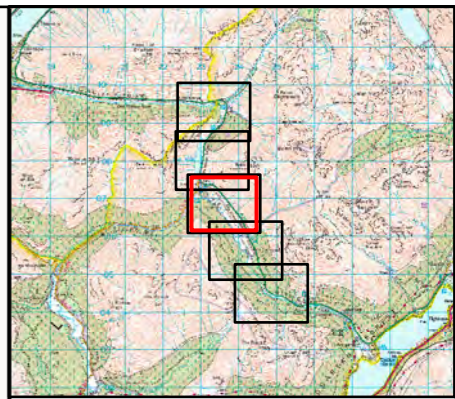
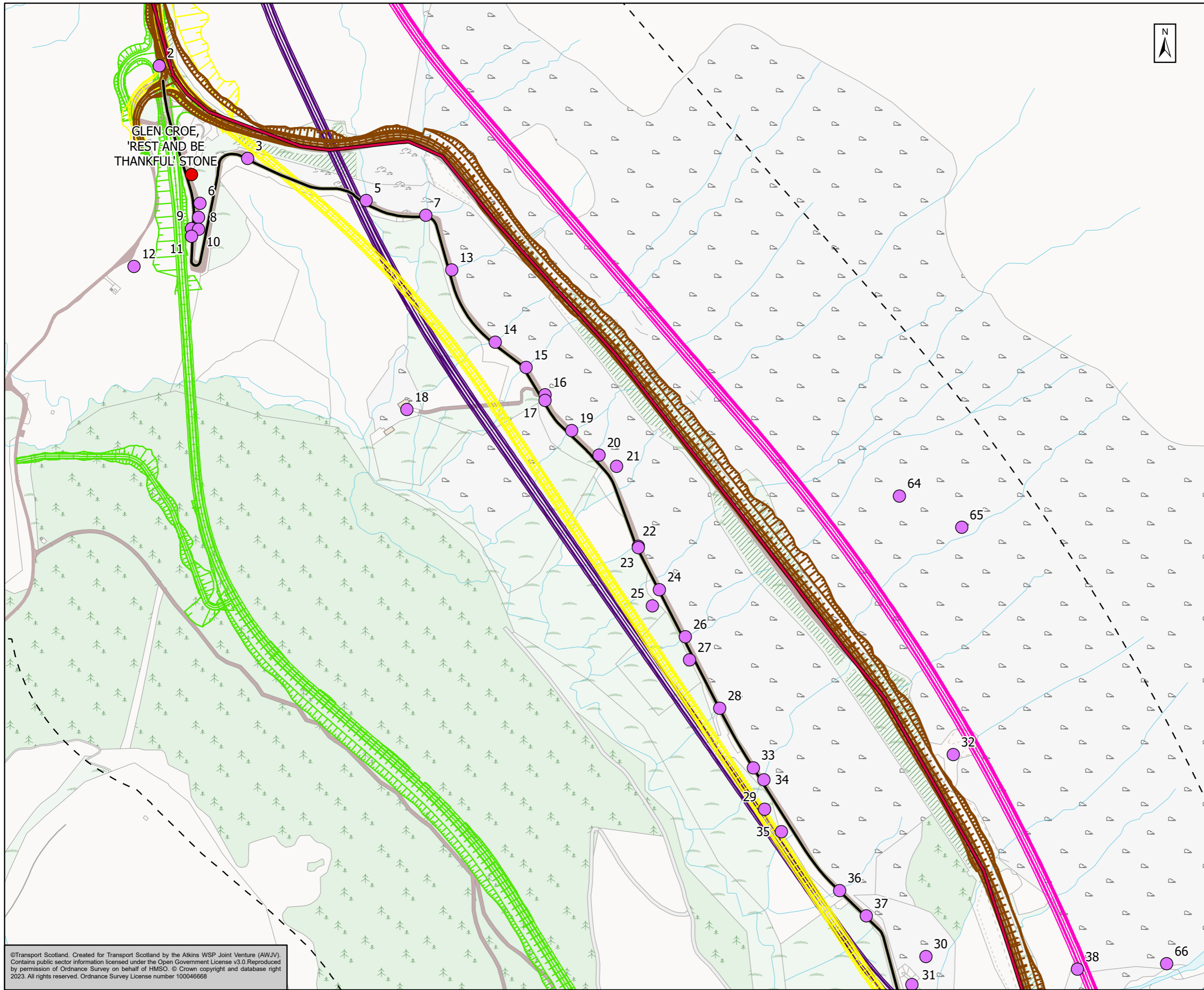


Figure 4.1:  
Cultural Heritage Assets  
Page 2 of 5

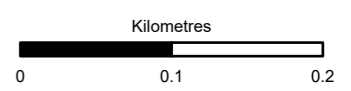
|  |  |                     |                 |                 |
|--|--|---------------------|-----------------|-----------------|
| Scale: 1:5,000                                       | Drawn: HM                                    | Checked: AM         | Approved: EC    | Authorised: HRM |
| Document Number: A83AAB-AWJ-EHR-SCW_GEN-DR-VT-000106 | Project: A83AAB-AWJ-EHR-SCW_GEN-DR-VT-000106 | Originator: [blank] | Volume: [blank] | Revision: P01   |
| Location: [blank]                                    | Type: [blank]                                | Role: [blank]       | Number: [blank] | [blank]         |

©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668

GLEN CROE,  
REST AND BE  
THANKFUL STONE



- Undesignated Assets
- Listed Buildings
- Existing A83 Trunk Road
- Existing Old Military Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Scheme Options – 250m Study Area



Subsidiary: Authored and Accepted – Stage 2 Status: A2

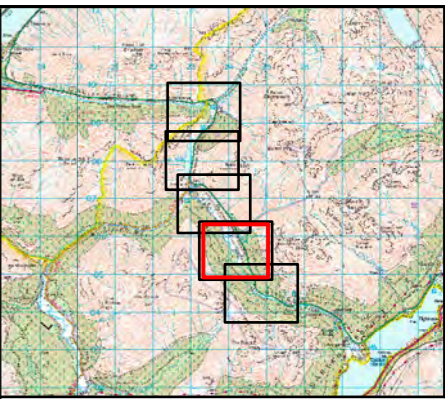
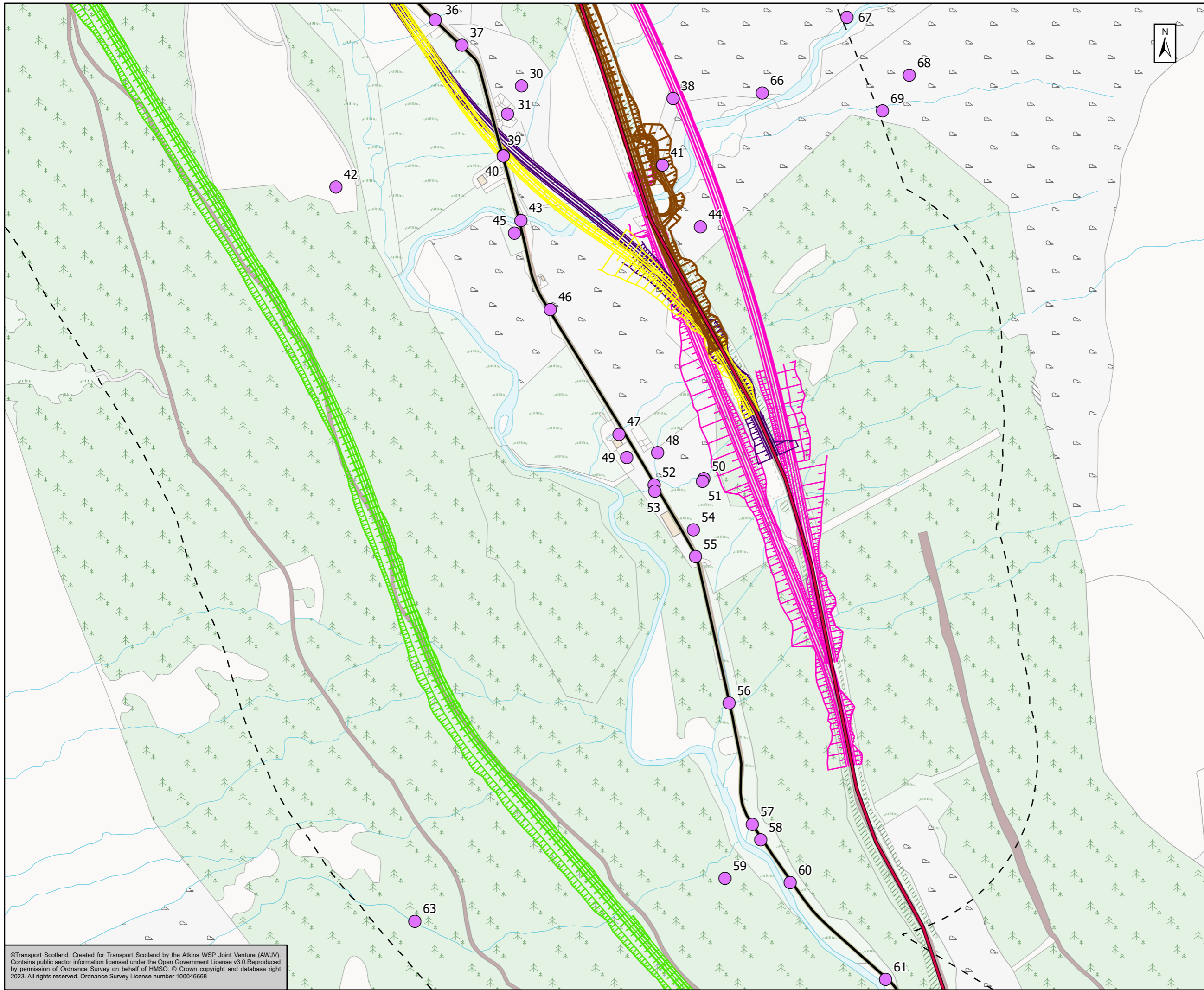


Figure 4.1:  
Cultural Heritage Assets  
Page 3 of 5

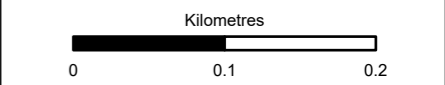
|  |                             |                 |              |                     |
|--|-----------------------------|-----------------|--------------|---------------------|
| Scale: 1:5,000                                       | Drawn: HM                   | Checked: AM     | Approved: EC | Authorised: HRM     |
| Document Number: A83AAB-AWJ-EHR-SCW_GEN-DR-VT-000106 | Project: A83AAB-AWJ-EHR-SCW | Originator: GEN | Volume: DR   | Revision: VT-000106 |
| Location:  | Type:                       | Role:           | Number:      | P01                 |

©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668





- Undesignated Assets
- Listed Buildings
- Existing A83 Trunk Road
- Existing Old Military Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Scheme Options – 250m Study Area



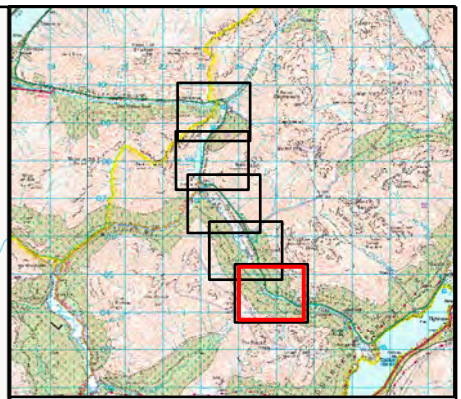
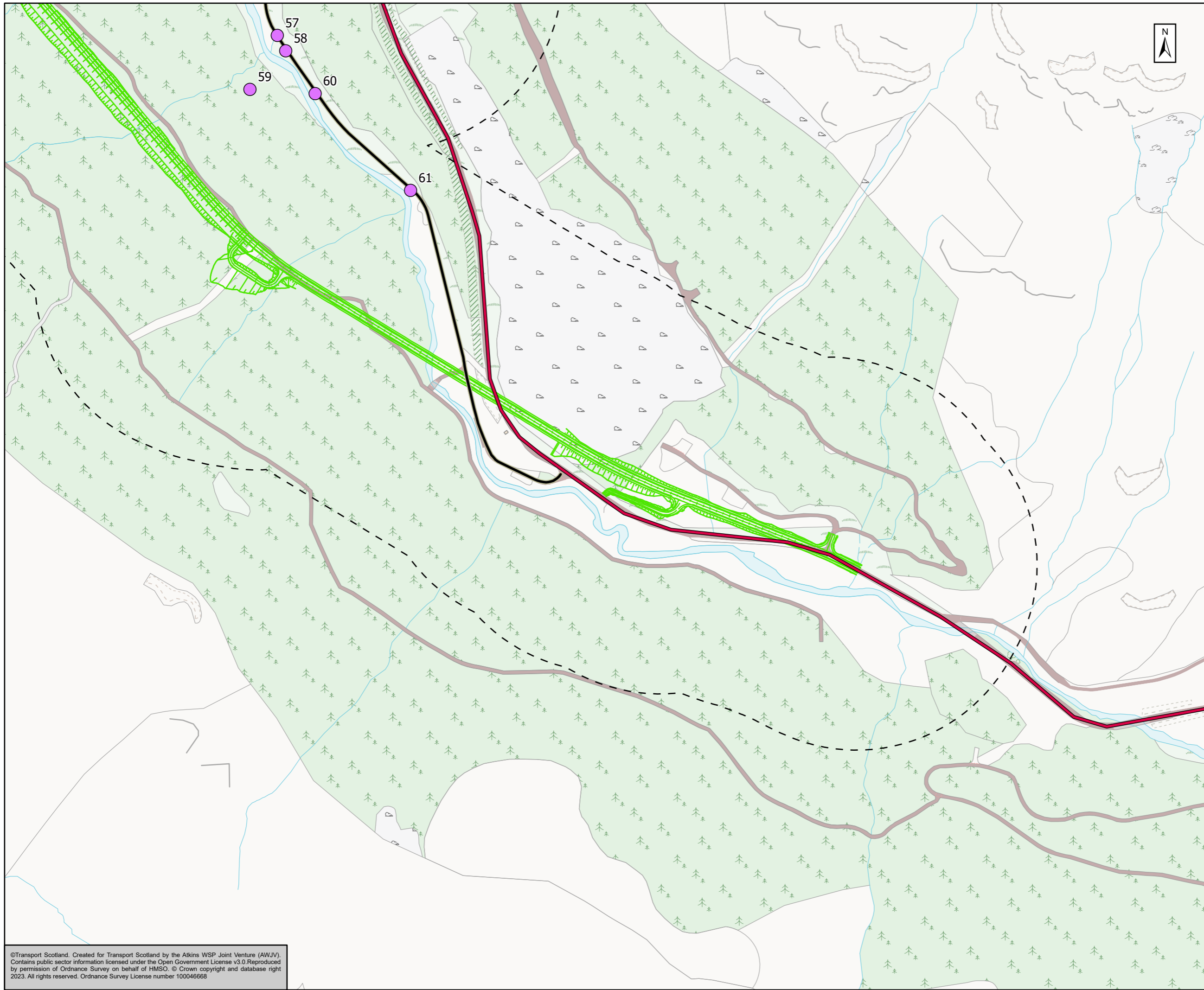
Subsidiary: Authored and Accepted – Stage 2      Status: A2



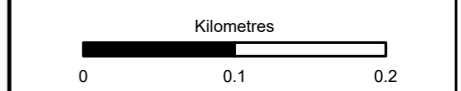
**Figure 4.1:**  
Cultural Heritage Assets  
Page 4 of 5

|                 |                                     |             |              |                 |
|-----------------|-------------------------------------|-------------|--------------|-----------------|
| Scale: 1:5,000  | Drawn: HM                           | Checked: AM | Approved: EC | Authorised: HRM |
| Document Number | Project                             | Originator  | Volume       | Revision        |
|                 | A83AAB-AWJ-EHR-SCW_GEN-DR-VT-000106 |             |              | P01             |
| Location        | Type                                | Role        | Number       |                 |

©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668



- Undesignated Assets
- Listed Buildings
- Existing A83 Trunk Road
- Existing Old Military Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Scheme Options – 250m Study Area



Subsidiary: Authored and Accepted – Stage 2 Status: A2



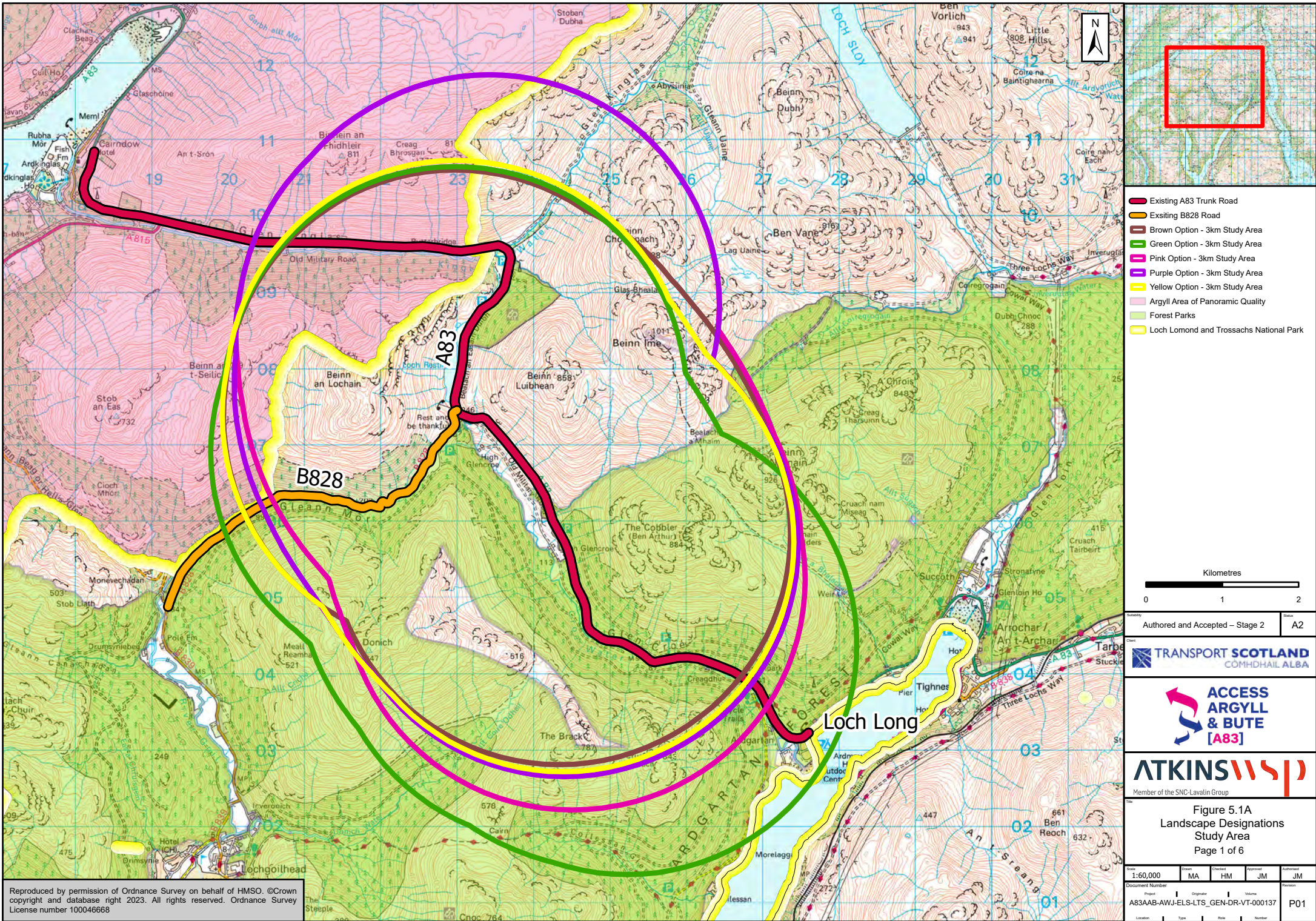
**Figure 4.1:**  
Cultural Heritage Assets  
Page 5 of 5

|                 |                                     |       |            |         |        |          |          |            |     |
|-----------------|-------------------------------------|-------|------------|---------|--------|----------|----------|------------|-----|
| Scale           | 1:5,000                             | Drawn | HM         | Checked | AM     | Approved | EC       | Authorised | HRM |
| Document Number | Project                             |       | Originator |         | Volume |          | Revision |            |     |
|                 | A83AAB-AWJ-EHR-SCW_GEN-DR-VT-000106 |       |            |         |        |          | P01      |            |     |
| Location        | Type                                | Role  | Number     |         |        |          |          |            |     |

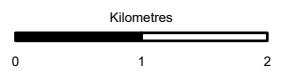
©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668

---

## 5. Chapter 5 – Landscape



- Existing A83 Trunk Road
- Existing B828 Road
- Brown Option - 3km Study Area
- Green Option - 3km Study Area
- Pink Option - 3km Study Area
- Purple Option - 3km Study Area
- Yellow Option - 3km Study Area
- Argyll Area of Panoramic Quality
- Forest Parks
- Loch Lomond and Trossachs National Park



Authored and Accepted – Stage 2 A2

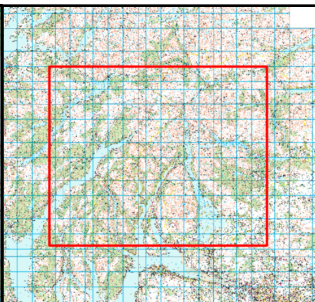
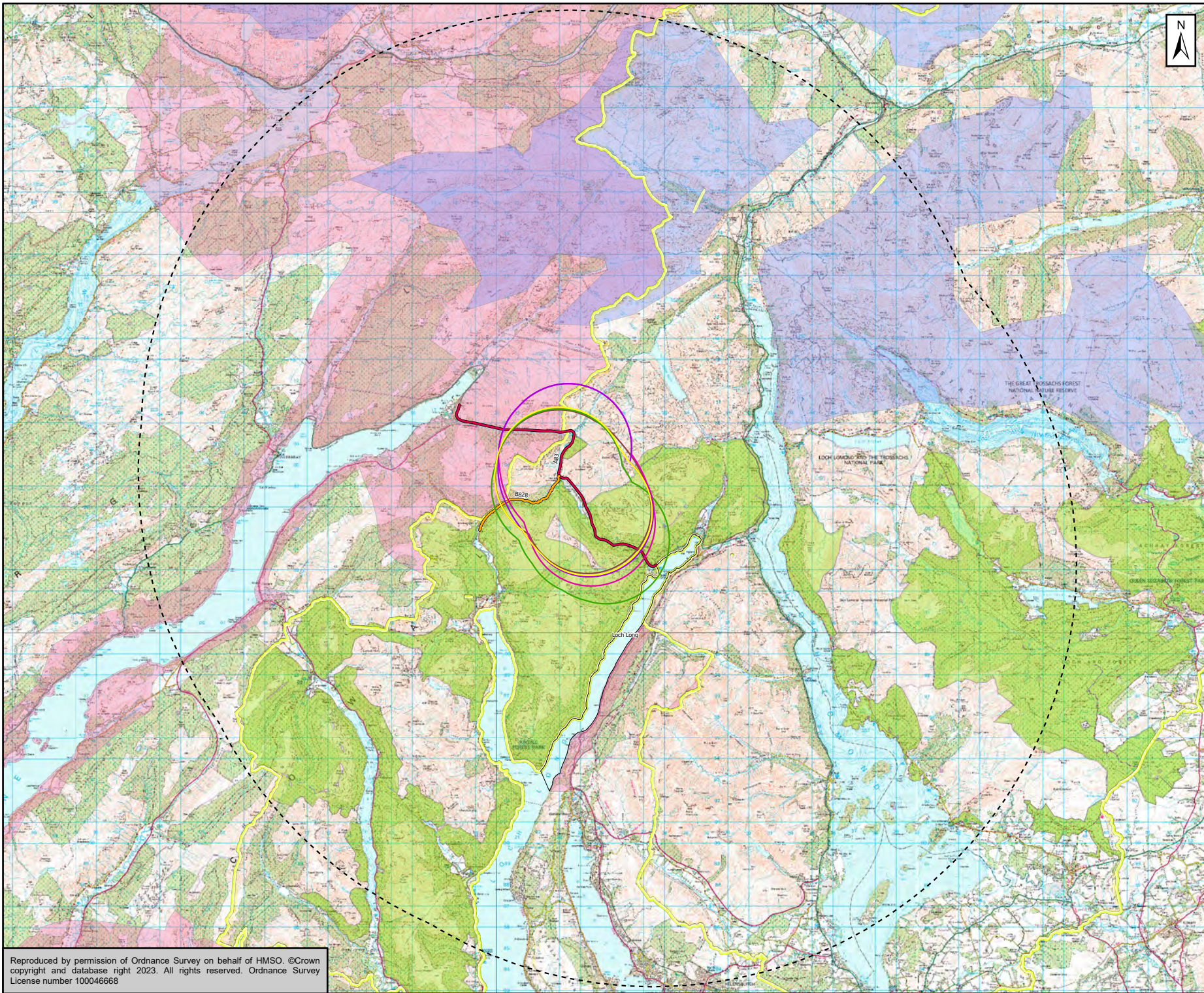


Member of the SNC-Lavalin Group

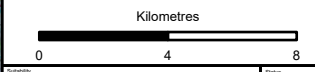
**Figure 5.1A**  
Landscape Designations  
Study Area  
Page 1 of 6

Reproduced by permission of Ordnance Survey on behalf of HMSO. ©Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668

|                 |                                     |        |          |         |    |          |    |            |    |
|-----------------|-------------------------------------|--------|----------|---------|----|----------|----|------------|----|
| Scale           | 1:60,000                            | Drawn  | MA       | Checked | HM | Approved | JM | Authorised | JM |
| Document Number | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000137 |        |          |         |    |          |    |            |    |
| Project         | Original                            | Volume | Revision |         |    |          |    |            |    |
| Location        | Type                                | Role   | Number   | P01     |    |          |    |            |    |



- Existing A83 Trunk Road
- Existing B828 Road
- Brown Option - 3km Study Area
- Green Option - 3km Study Area
- Pink Option - 3km Study Area
- Purple Option - 3km Study Area
- Yellow Option - 3km Study Area
- 20km Study Area
- Argyll Area of Panoramic Quality
- Core Wild Land Areas
- Forest Parks
- Loch Lomond and Trossachs National Park



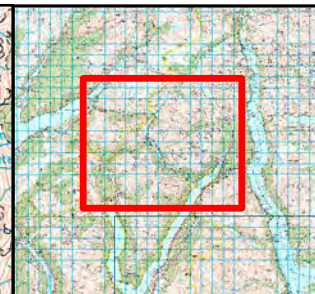
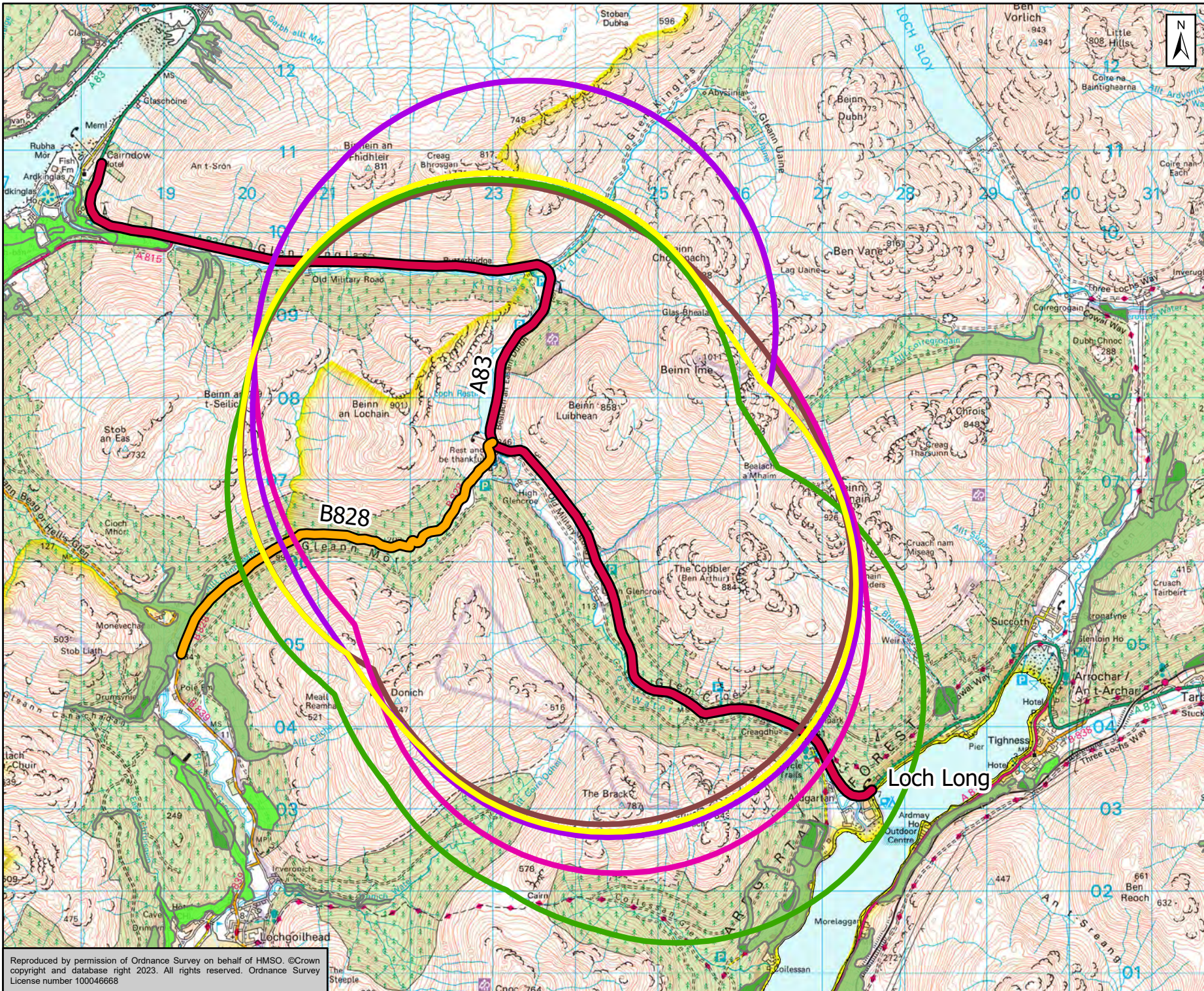
Authorred and Accepted – Stage 2 A2



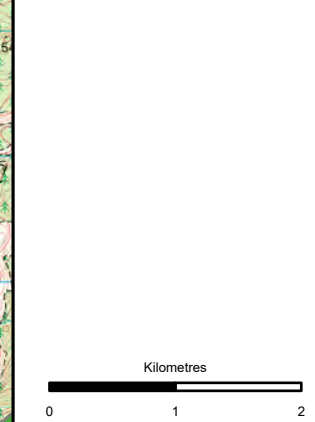
**Figure 5.1B**  
Landscape Designations  
Study Area  
Page 2 of 6

|                 |                                     |        |          |         |    |          |    |           |    |
|-----------------|-------------------------------------|--------|----------|---------|----|----------|----|-----------|----|
| Scale           | 1:235,000                           | Drawn  | IMA      | Checked | HM | Approved | JM | Authorred | JM |
| Document Number | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000138 |        |          |         |    |          |    |           |    |
| Project         | Originator                          | Volume | Revision |         |    |          |    |           |    |
| Location        | Type                                | Role   | Number   |         |    |          |    |           |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668



- Existing A83 Trunk Road
  - Existing B828 Road
  - Brown Option - 3km Study Area
  - Green Option - 3km Study Area
  - Pink Option - 3km Study Area
  - Purple Option - 3km Study Area
  - Yellow Option - 3km Study Area
- Ancient Woodland Inventory**
- Ancient (of semi-natural origin)
  - Long-Established (of plantation origin)
  - Other (on Roy map)



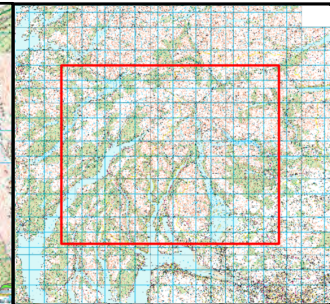
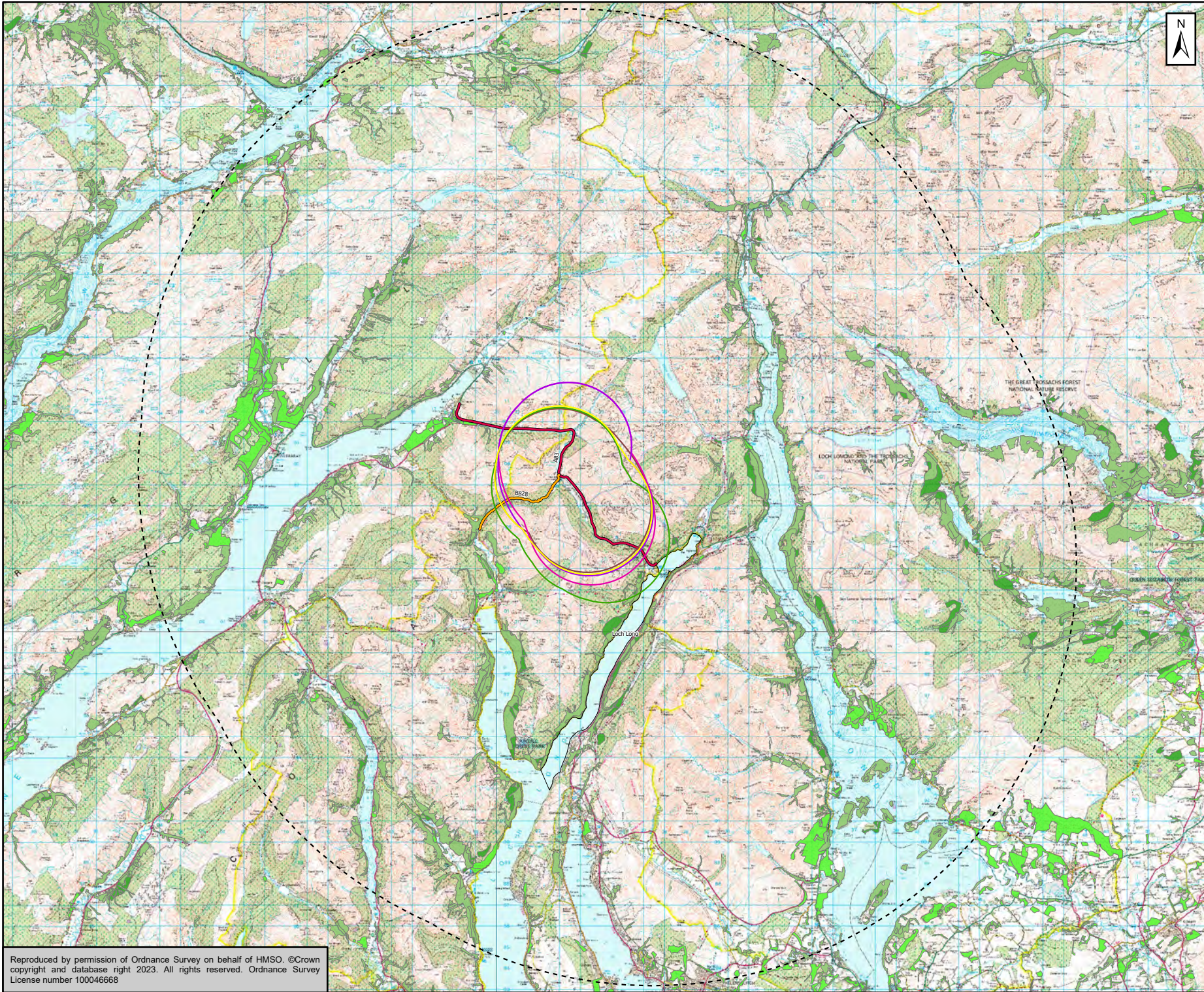
Author and Accepted – Stage 2 A2



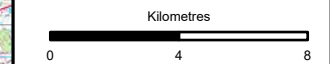
Figure 5.2A  
Ancient Woodland Inventory  
Study Area  
Page 3 of 6

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668

|                 |                                     |        |          |         |    |          |    |            |    |
|-----------------|-------------------------------------|--------|----------|---------|----|----------|----|------------|----|
| Scale           | 1:60,000                            | Drawn  | MA       | Checked | HM | Approved | JM | Authorised | JM |
| Document Number | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000139 |        |          |         |    |          |    |            |    |
| Project         | Originator                          | Volume | Revision |         |    |          |    |            |    |
| Location        | Type                                | Role   | Number   |         |    |          |    |            |    |



- Existing A83 Trunk Road
- Existing B828 Road
- Brown Option - 3km Study Area
- Green Option - 3km Study Area
- Pink Option - 3km Study Area
- Purple Option - 3km Study Area
- Yellow Option - 3km Study Area
- 20km Study Area
- Ancient Woodland Inventory**
- Ancient (of semi-natural origin)
- Long-Established (of plantation origin)
- Other (on Roy map)



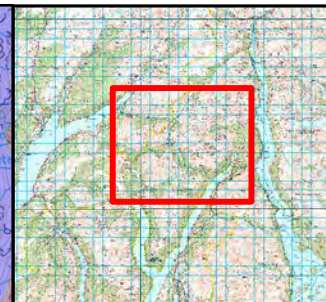
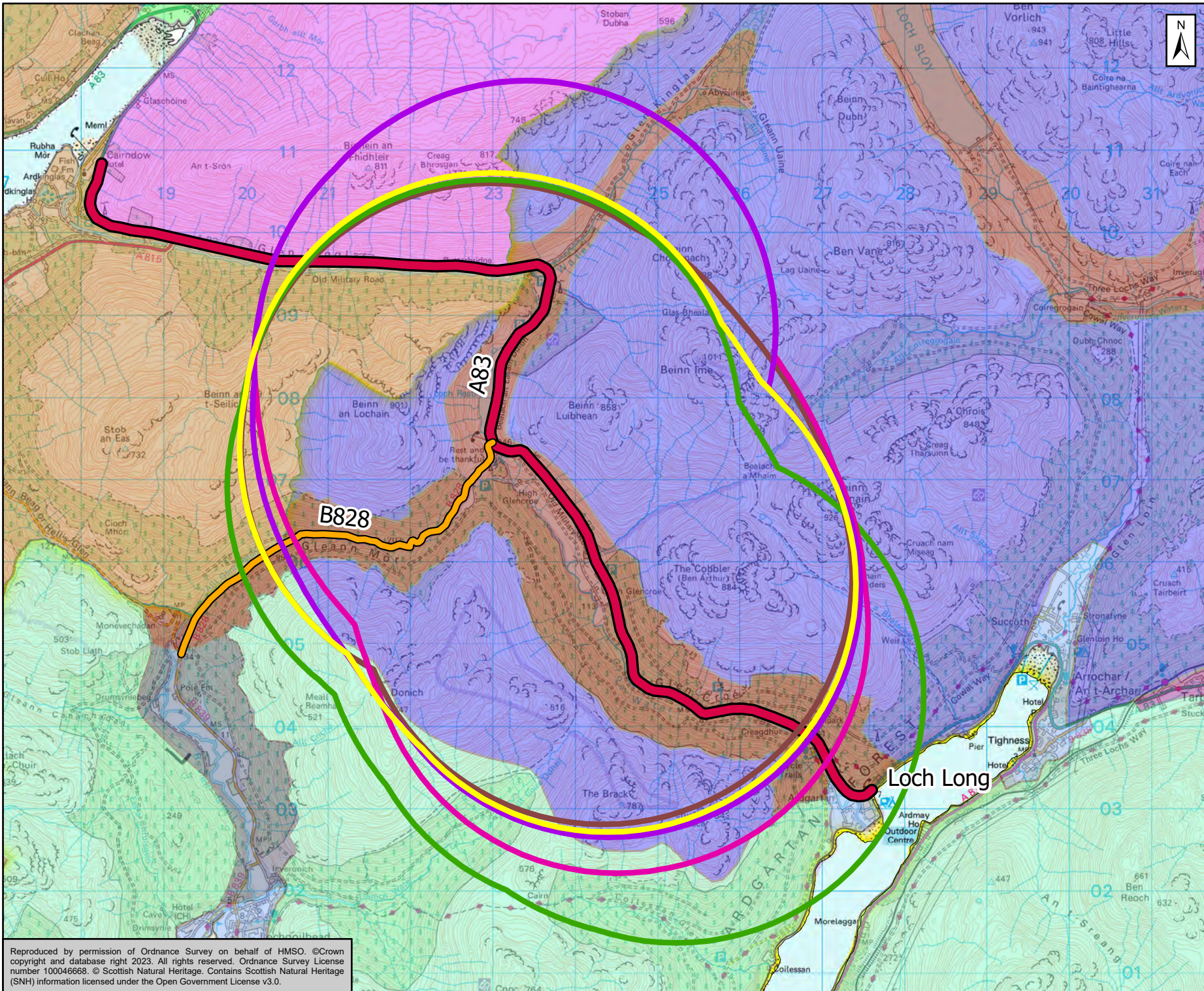
Author and Accepted – Stage 2 A2



**Figure 5.2B**  
Ancient Woodland Inventory  
Study Area  
Page 4 of 6

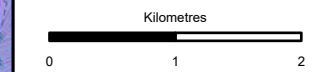
Reproduced by permission of Ordnance Survey on behalf of HMSO. ©Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668

|                 |                    |                  |          |          |
|-----------------|--------------------|------------------|----------|----------|
| Scale           | Drawn              | Checked          | Approved | Author   |
| 1:235,000       | IMA                | HM               | JM       | JM       |
| Document Number | Project            | Originator       | Volume   | Revision |
|                 | A83AAB-AWJ-ELS-LTS | GEN-DR-VT-000140 |          | P01      |
| Location        | Type               | Role             | Number   |          |



- Existing A83 Trunk Road
- Existing B828 Road
- Brown Option - 3km Study Area
- Green Option - 3km Study Area
- Pink Option - 3km Study Area
- Purple Option - 3km Study Area
- Yellow Option - 3km Study Area

- Landscape Character Type**
- 34, Steep Ridges and Mountains
  - 35, Rugged Mountains
  - 37, Upland Glens - Argyll
  - 250, Steep Ridges and Hills
  - 251, Highland Summits
  - 252, Upland Glens - Loch Lomond & the Trossachs
  - 253, Straths and Glens
  - 254, Straths and Glens with Lochs
  - 265, Settled Coastal Fringe



Author and Accepted – Stage 2 A2

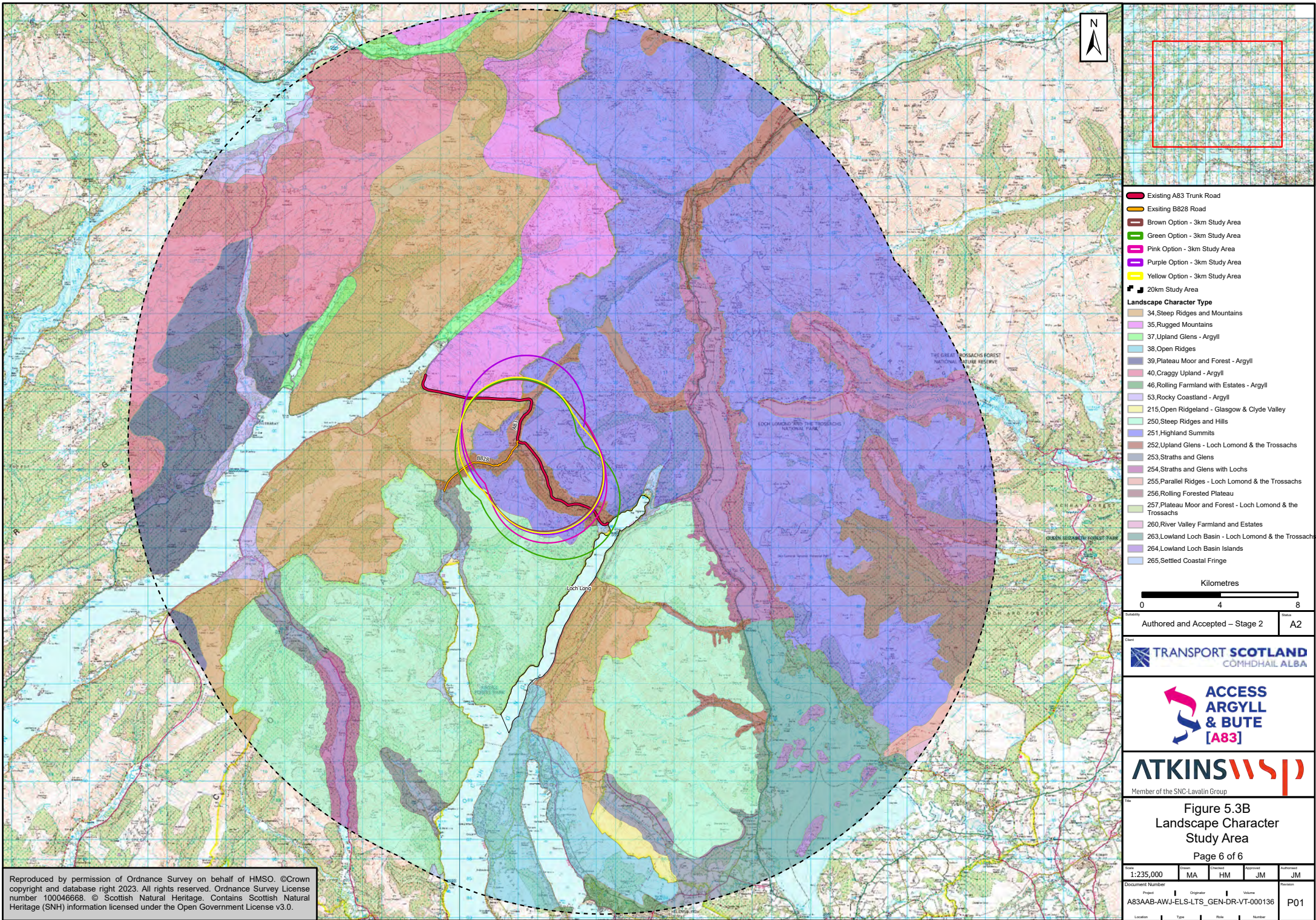


Figure 5.3A  
Landscape Character  
Study Area  
Page 5 of 6

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. © Scottish Natural Heritage. Contains Scottish Natural Heritage (SNH) information licensed under the Open Government License v3.0.

|                 |                                     |        |        |         |    |          |    |            |    |
|-----------------|-------------------------------------|--------|--------|---------|----|----------|----|------------|----|
| Scale           | 1:60,000                            | Drawn  | MA     | Checked | HM | Approved | JM | Authorised | JM |
| Document Number | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000135 |        |        |         |    |          |    |            |    |
| Project         | Original                            | Volume | P01    |         |    |          |    |            |    |
| Location        | Type                                | Role   | Number |         |    |          |    |            |    |





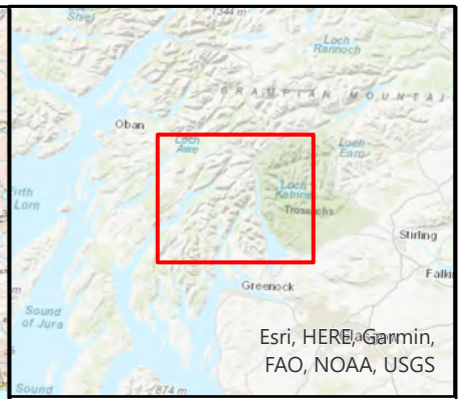
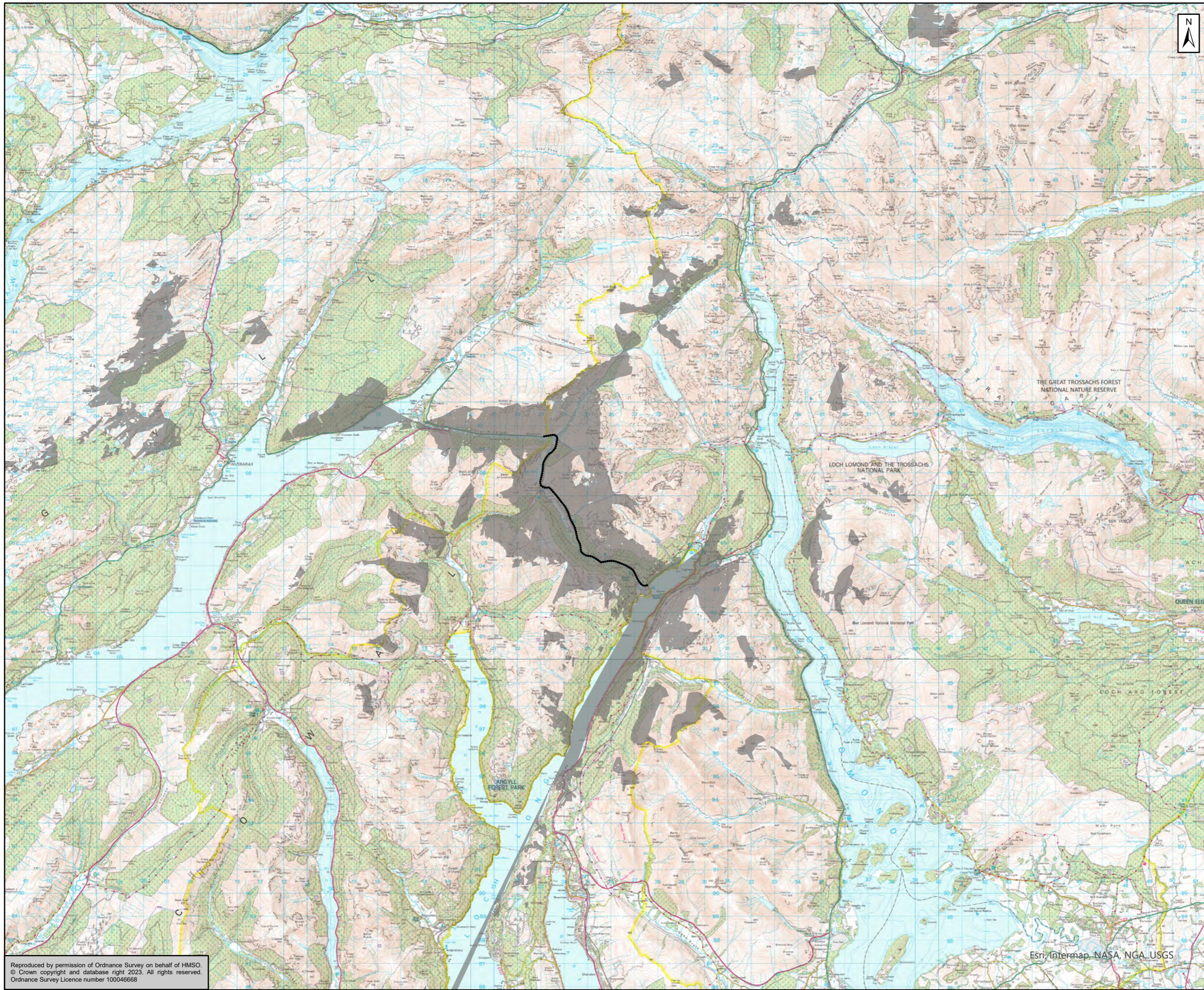
Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. © Scottish Natural Heritage. Contains Scottish Natural Heritage (SNH) information licensed under the Open Government License v3.0.

---

This page is blank.

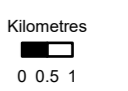
---

## 6. Chapter 6 – Visual Effects



Esri, HERE, Garmin, FAO, NOAA, USGS

- Existing A83 Height data
- Existing A83 ZTV



Subsidiary: Authored and Accepted - Stage 2 Status: A2

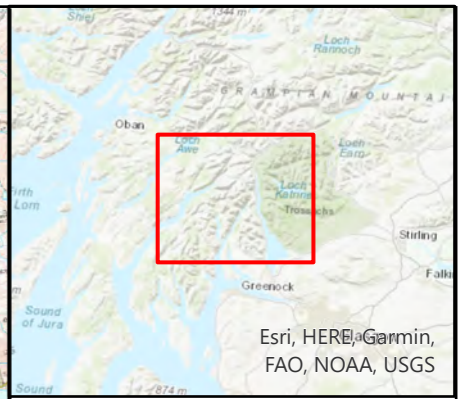
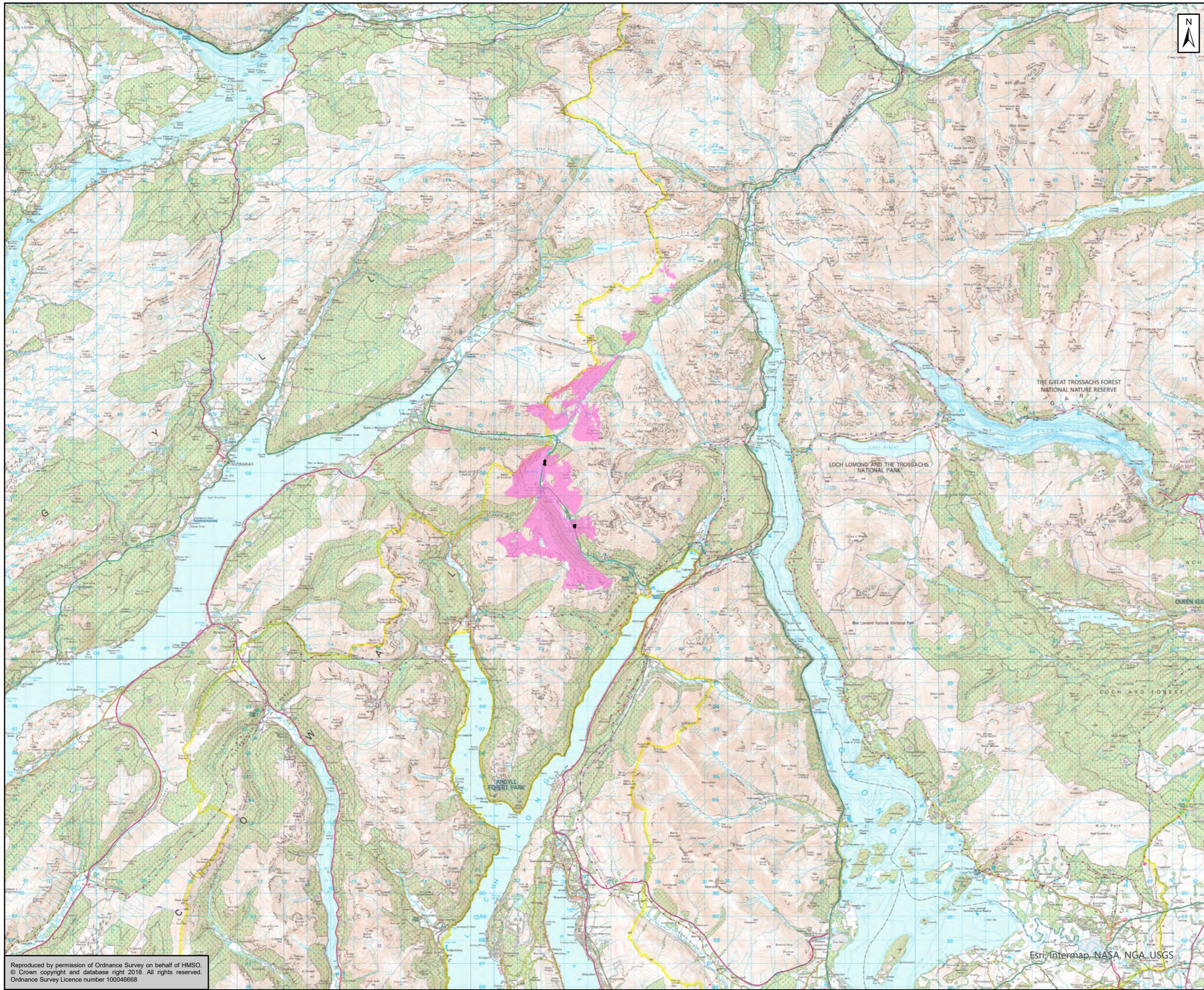


Figure 6.1 a  
Existing A83  
Zone of Theoretical Visibility  
Page 1 of 6

|                                     |           |       |            |         |        |          |          |            |    |
|-------------------------------------|-----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:150,000 | Drawn | LH         | Checked | HM     | Approved | JM       | Authorised | XX |
| Document Number                     | Project   |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 |           |       |            |         |        |          | P01      |            |    |
| Location                            | Type      | Role  | Number     |         |        |          |          |            |    |

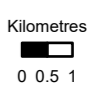
Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey Licence number 100046668

Esri, Intermap, NASA, NGA, USGS



Esri, HERE, Garmin, FAO, NOAA, USGS

- Pink Option Tunnel Portal
- Pink Option ZTV



Subsidiary: Authored and Accepted - Stage 2 Status: A2

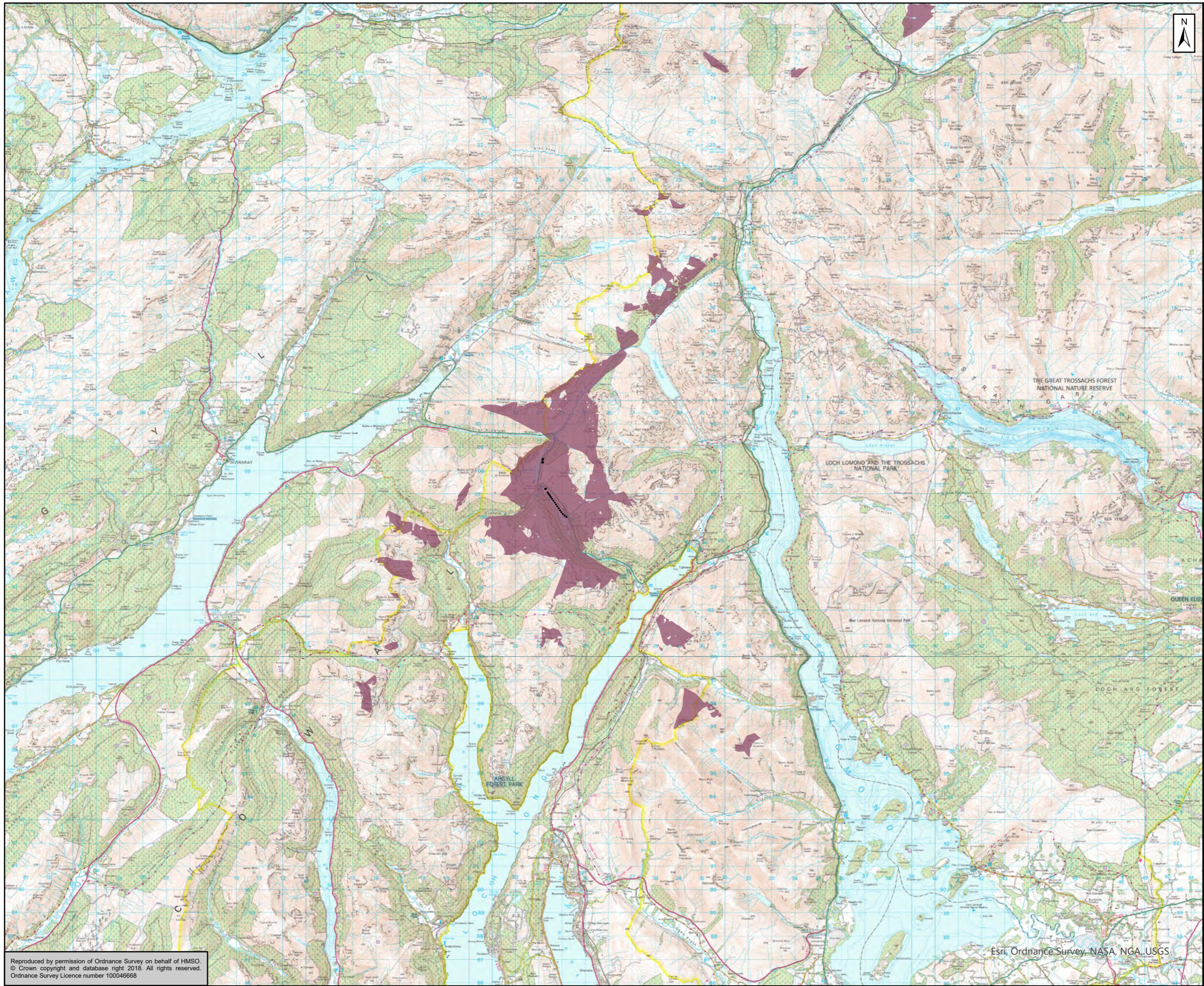


Title: Figure 6.1 b  
Pink Option  
Zone of Theoretical Visibility  
Page 2 of 6

|  |  |   |   |                |
|--|--|---|---|----------------|
| Scale: 1:150,000                                     | Drawn: LH                                    | Checked: HM                                     | Approved: JM                                | Authorised: XX |
| Document Number: A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 | Project: A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 | Originator: A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 | Volume: A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 | Revision: P01  |
| Location:  | Type:  | Role:   | Number:                                     |                |

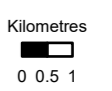
Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey Licence number 100046668

Esri, Intermap, NASA, NGA, USGS



Esri, HERE, Garmin, FAO, NOAA, USGS

- Purple Option Pier and Wall Heights
- Purple Option ZTV



Subsidiary: Authored and Accepted - Stage 2 Status: A2

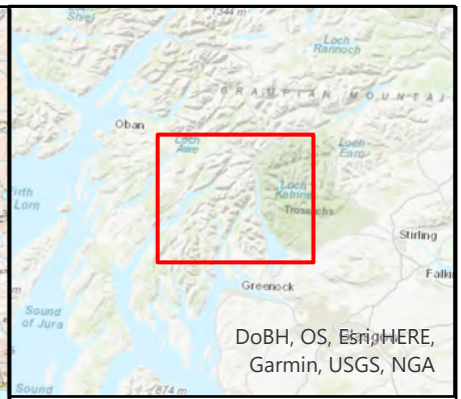
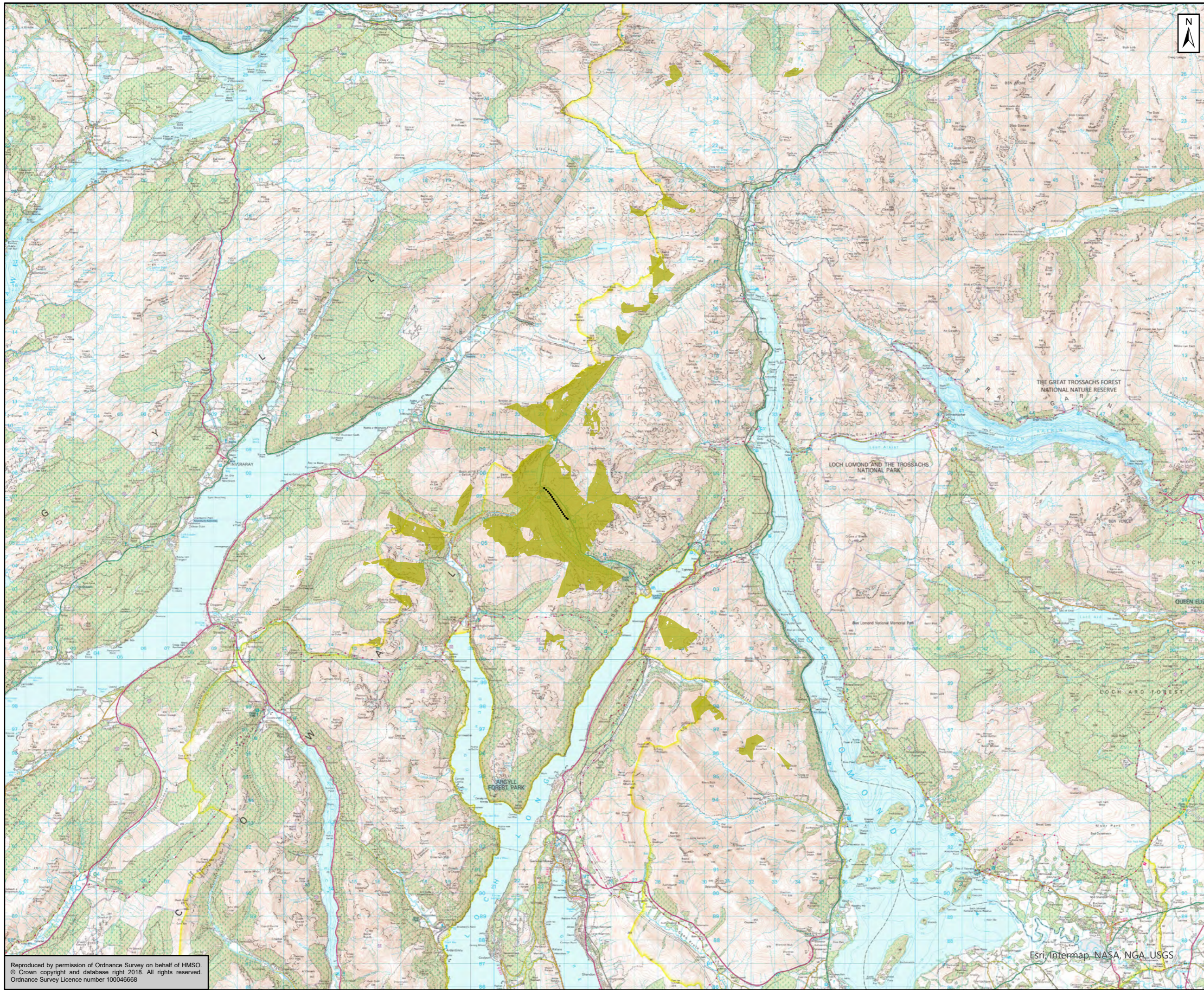


Figure 6.1 c  
Purple Option  
Zone of Theoretical Visibility  
Page 3 of 6

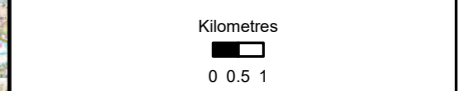
|                 |                                     |       |        |            |    |          |        |            |    |
|-----------------|-------------------------------------|-------|--------|------------|----|----------|--------|------------|----|
| Scale           | 1:150,000                           | Drawn | LH     | Checked    | HM | Approved | JM     | Authorised | XX |
| Document Number | Project                             |       |        | Originator |    |          | Volume |            |    |
|                 | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 |       |        | P01        |    |          | P01    |            |    |
| Location        | Type                                | Role  | Number |            |    |          |        |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey Licence number 100046668

Esri, Ordnance Survey, NASA, NGA, USGS



- Yellow Option Pier
- Yellow Option ZTV



Subsidiary: Authored and Accepted - Stage 2 Status: A2

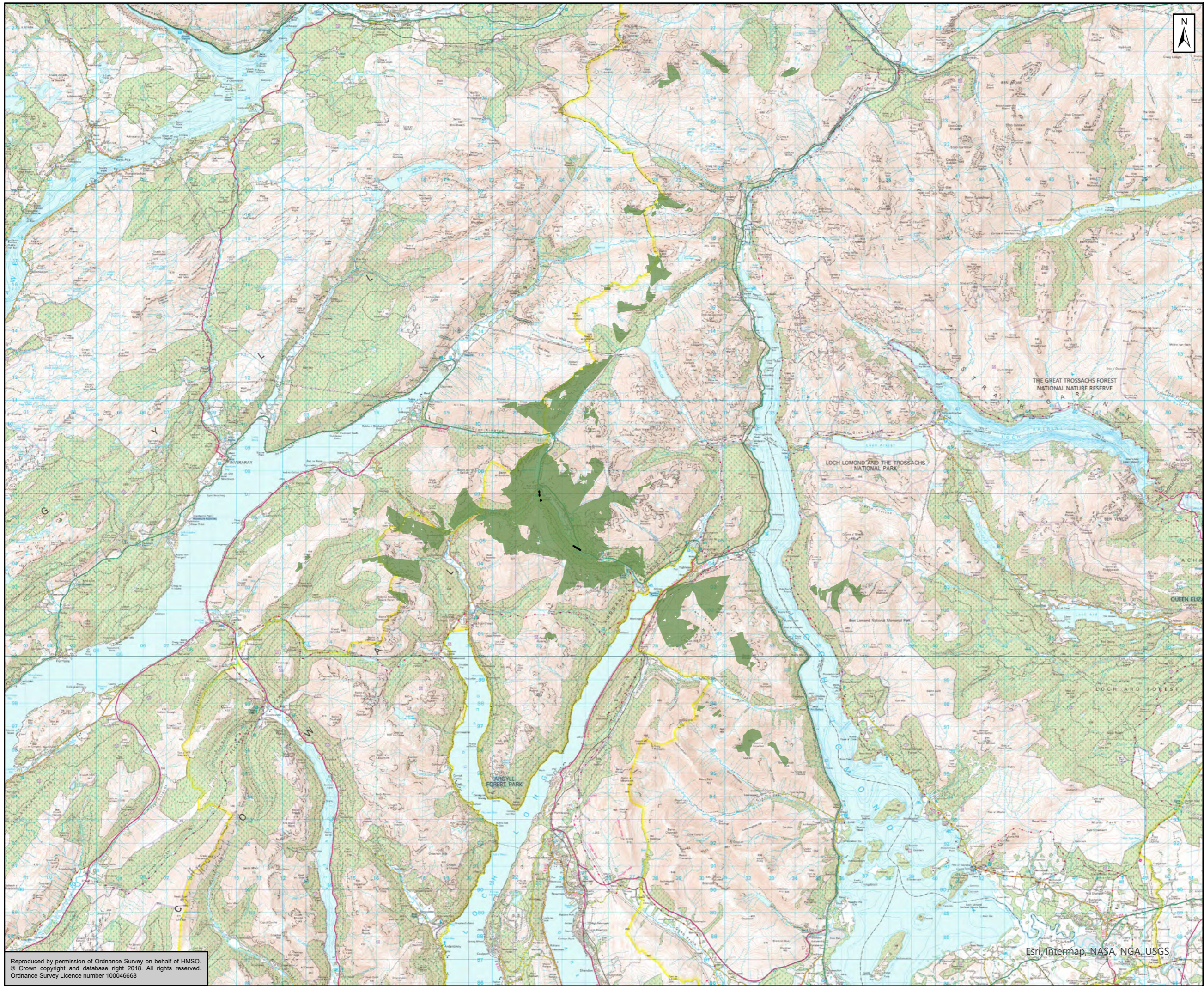


Figure 6.1 d  
Yellow Option  
Zone of Theoretical Visibility  
Page 4 of 6

|                 |                                     |       |            |         |        |          |          |            |    |
|-----------------|-------------------------------------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale           | 1:150,000                           | Drawn | LH         | Checked | HM     | Approved | JM       | Authorised | XX |
| Document Number | Project                             |       | Originator |         | Volume |          | Revision |            |    |
|                 | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 |       |            |         |        |          | P01      |            |    |
| Location        | Type                                | Role  | Number     |         |        |          |          |            |    |

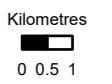
Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2018. All rights reserved.  
Ordnance Survey Licence number 100046668

Esri, Intermap, NASA, NGA, USGS



DoBH, OS, Esri, HERE,  
Garmin, USGS, NGA

- Green Option Debris Flow Shelter, Northern and Southern Viaduct
- Green Option ZTV



Subsidiary: Authored and Accepted- Stage 2 Status: A2



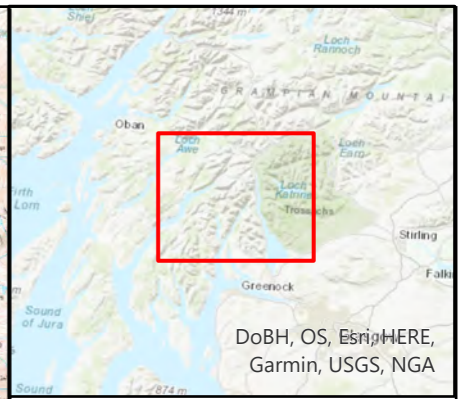
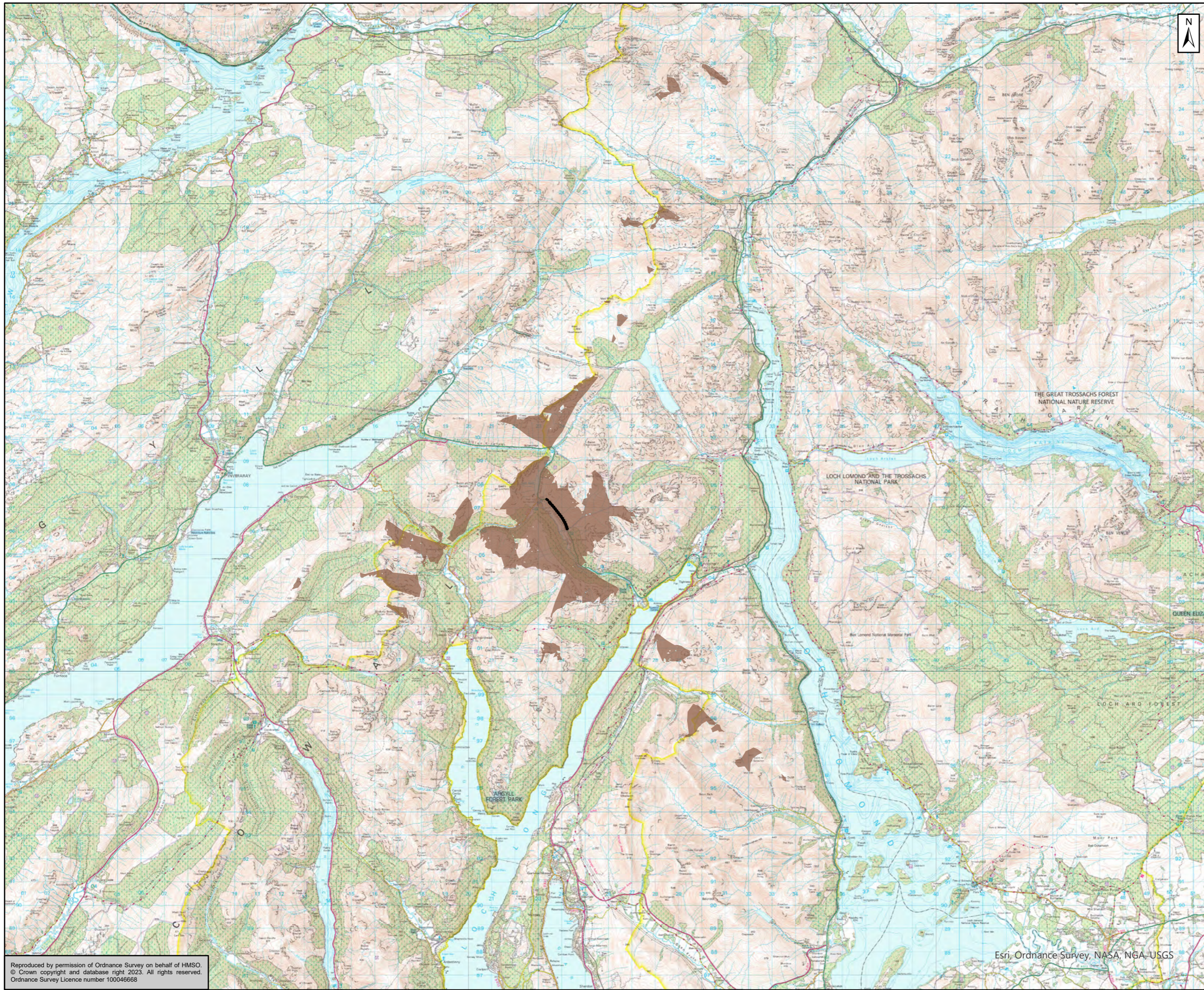
Figure 6.1 e  
Zone of Theoretical Visibility  
Page 5 of 6

|                                     |           |       |            |         |        |          |          |            |    |
|-------------------------------------|-----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:150,000 | Drawn | LH         | Checked | HM     | Approved | JM       | Authorised | XX |
| Document Number                     | Project   |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 |           |       |            |         |        |          | P01      |            |    |
| Location                            | Type      | Role  | Number     |         |        |          |          |            |    |

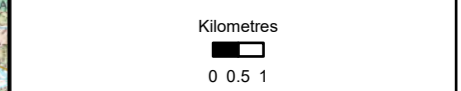
Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2018. All rights reserved.  
Ordnance Survey Licence number 100046668

Esri, Intermap, NASA, NGA, USGS





- Brown Option Retaining Wall and Debris Flow Shelter
- Brown Option ZTV



Subsidiary: Authored and Accepted - Stage 2 Status: A2

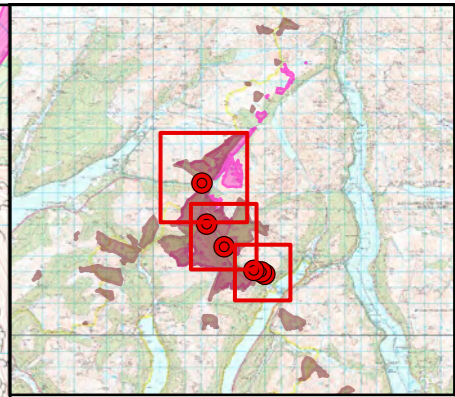
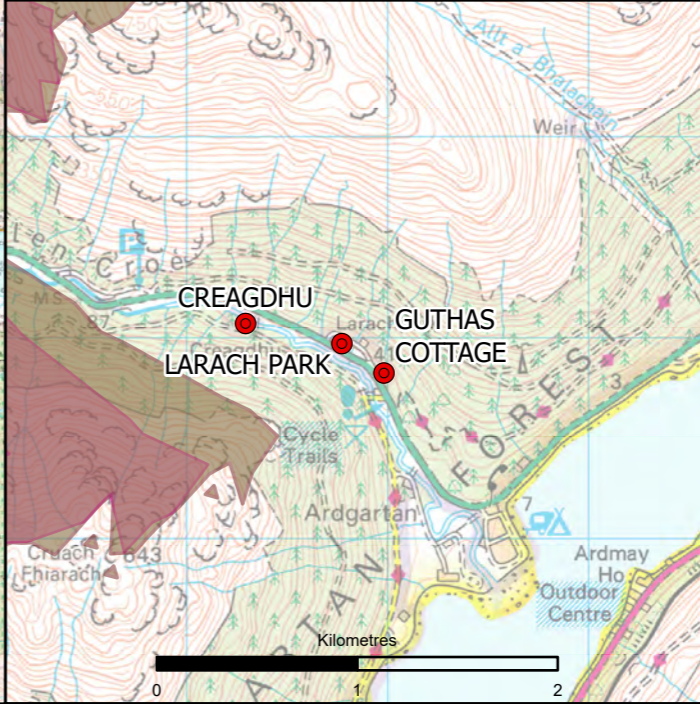
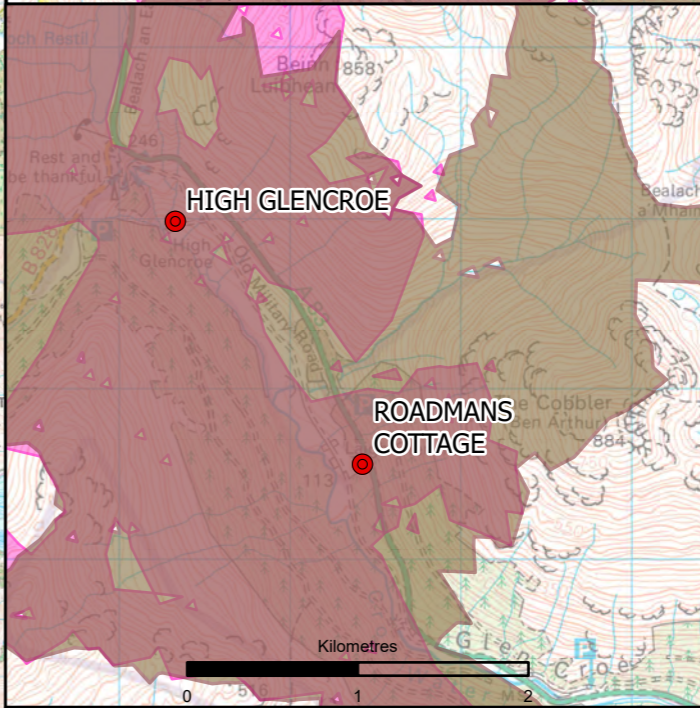
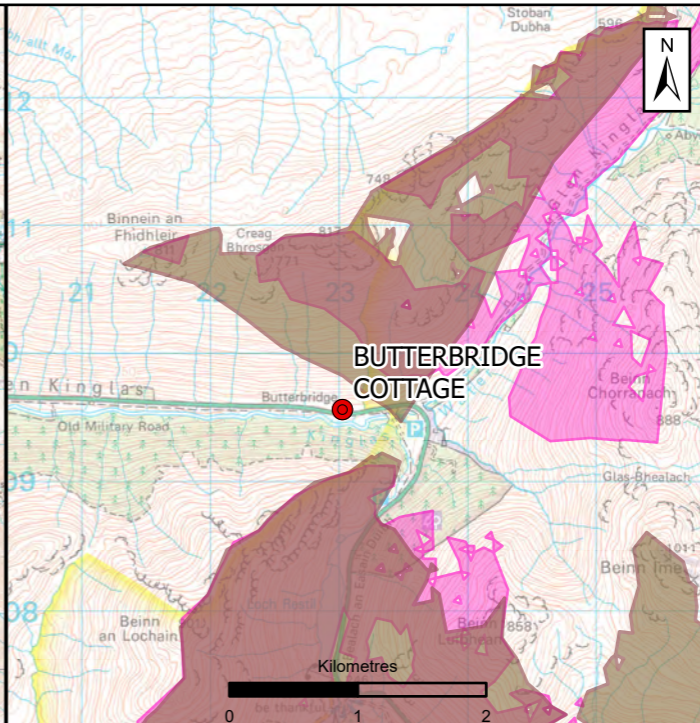
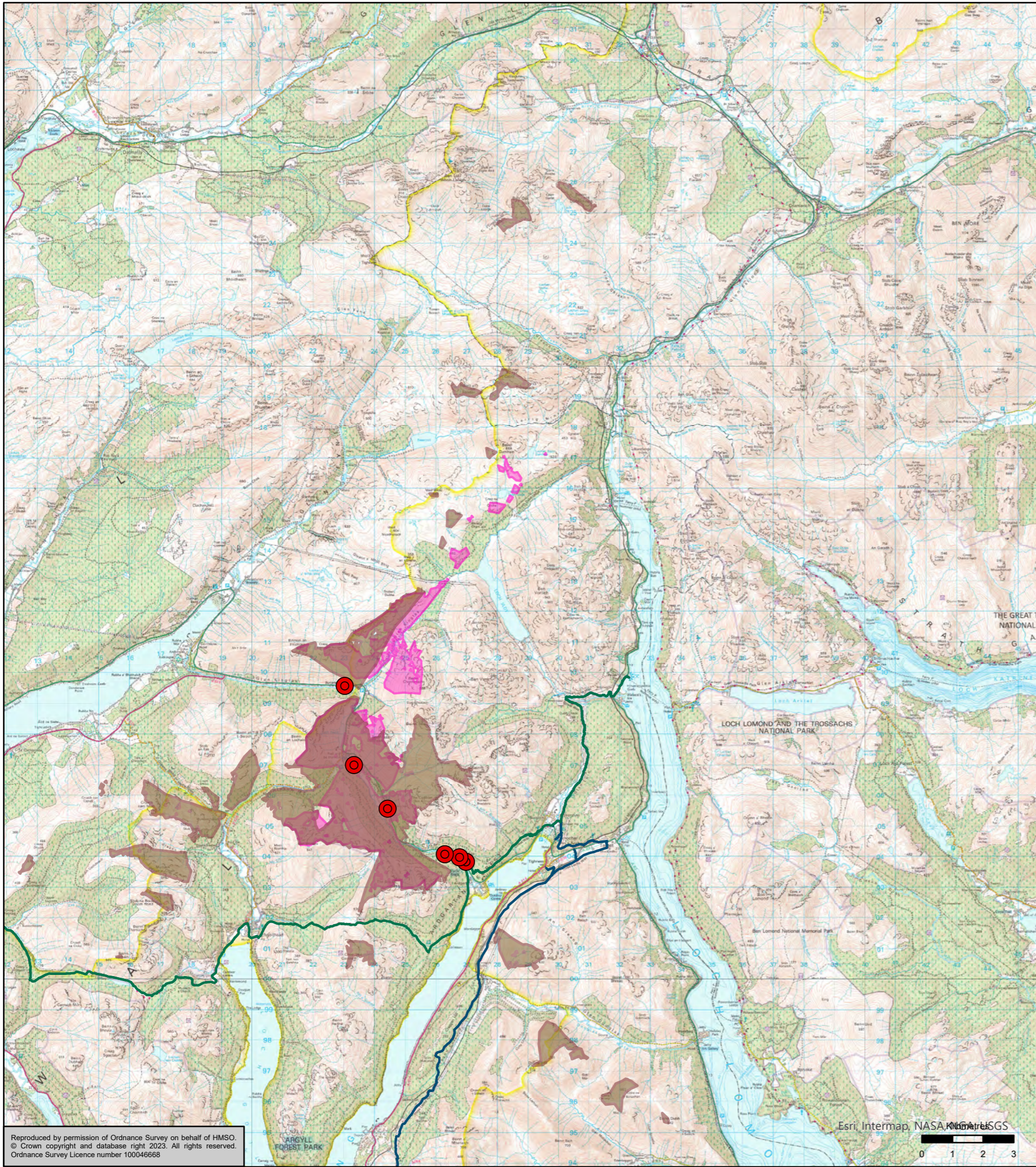


Title: Figure 6.1 f  
Brown Option  
Zone of Theoretical Visibility  
Page 6 of 6

|                                     |           |       |            |         |        |          |          |            |    |
|-------------------------------------|-----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:150,000 | Drawn | LH         | Checked | HM     | Approved | JM       | Authorised | XX |
| Document Number                     | Project   |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 |           |       |            |         |        |          | P01      |            |    |
| Location                            | Type      | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey Licence number 100046668

Esri, Ordnance Survey, NASA, NGA, USGS



- Residential Receptors
- Loch Lomond and Cowal Way
- Three Lochs Way
- Brown Option ZTV
- Pink Option ZTV

Subsidiary: Authored and Accepted - Stage 2 Status: A2

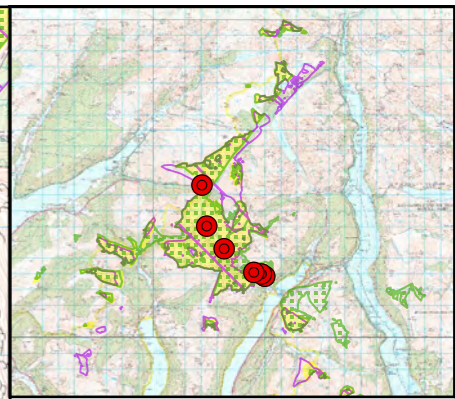
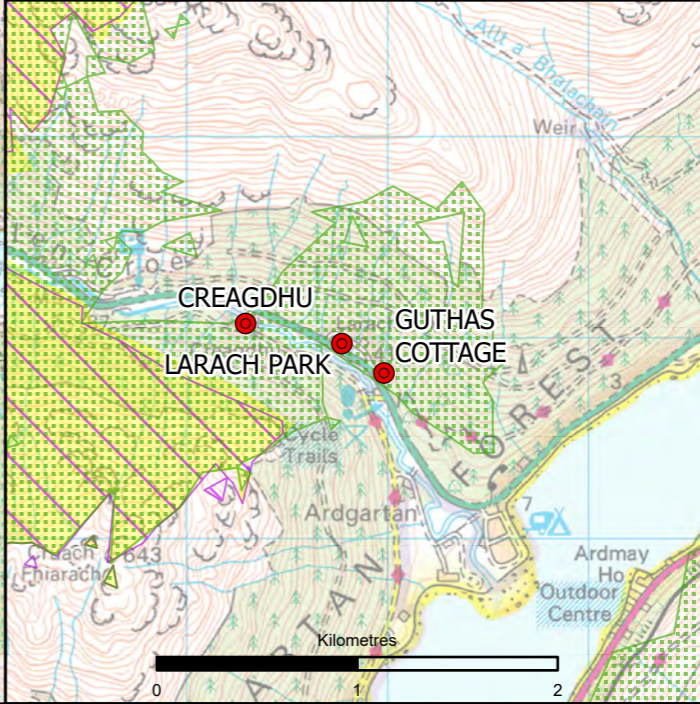
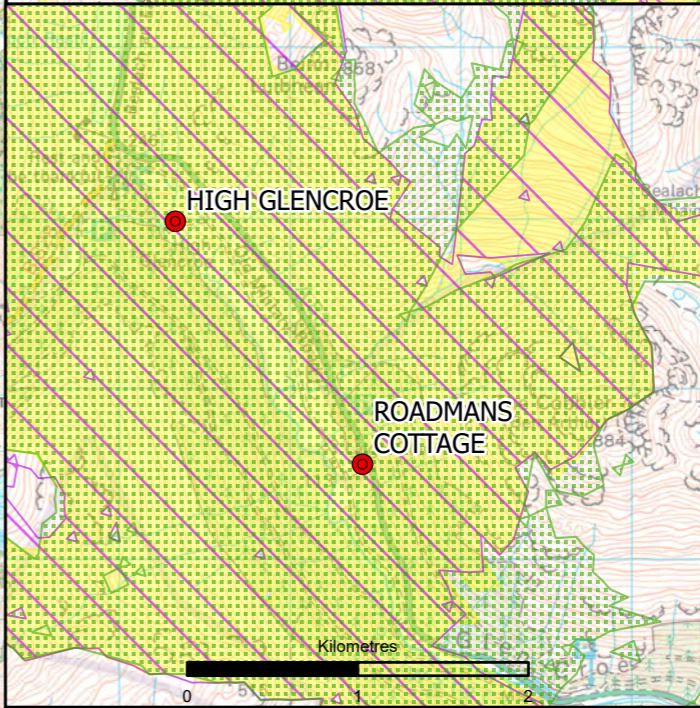
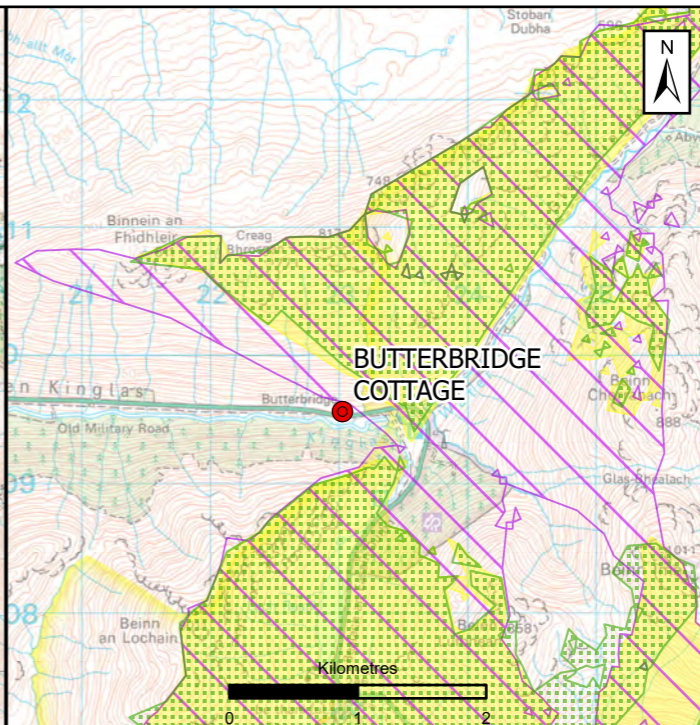
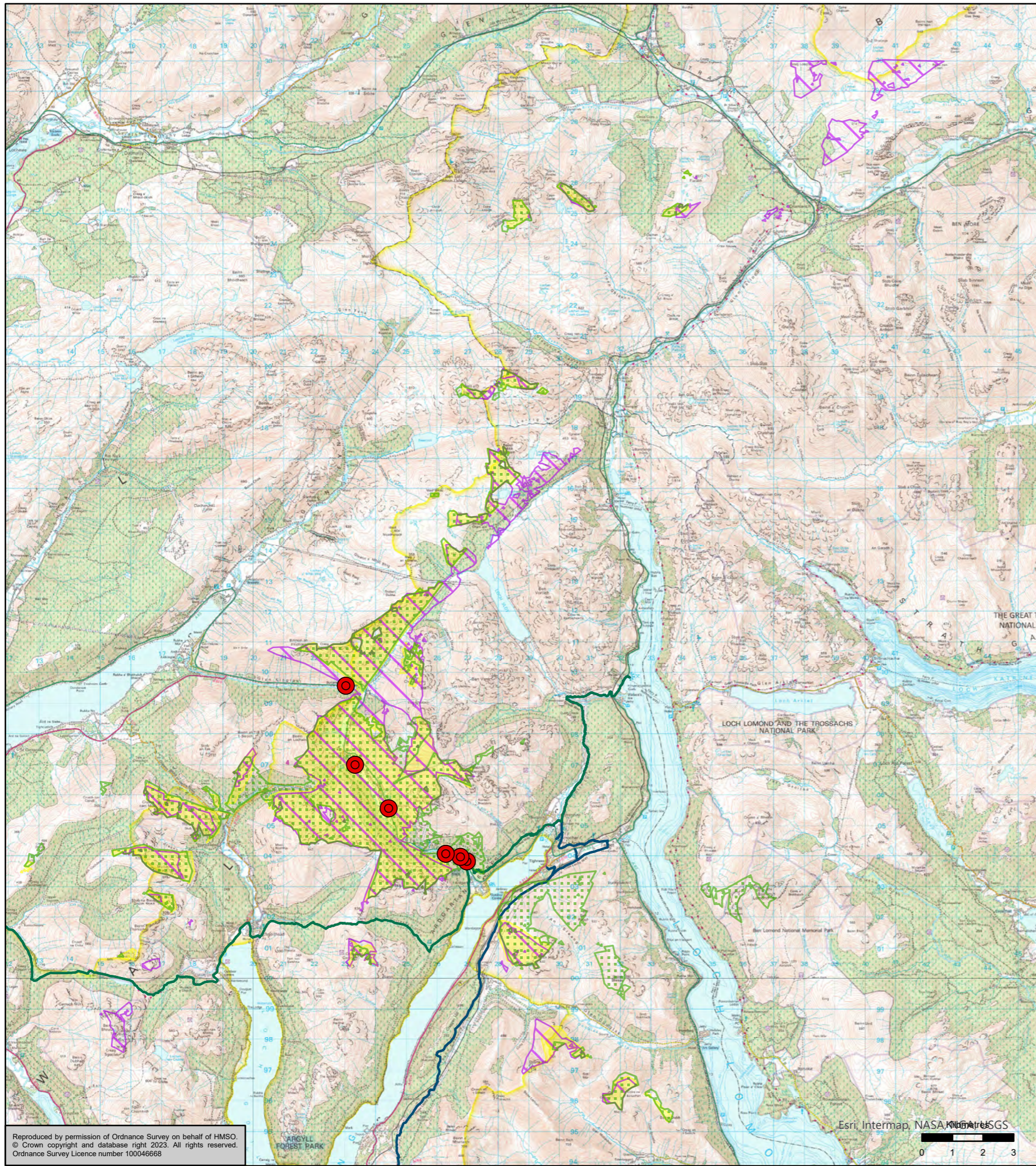


**Figure 6.1g**  
Residential Receptors  
Zones of Theoretical Visibility  
Page 1 of 2

|  |  |                |              |                |
|--|--|----------------|--------------|----------------|
| Scale: 1:135,000                                     | Drawn: MA                                    | Checked: HM    | Approved: JM | Authorised: JM |
| Document Number: A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 | Project: A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 | Originator: JM | Volume: P01  | Revision: P01  |
| Location:  | Type:  | Role:          | Number:      |                |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey Licence number 100046668

Esri, Intermap, NASA, NOAA, USGS



- Residential Receptors
- Loch Lomond and Cowal Way
- Three Lochs Way
- Yellow Option ZTV
- Green Option ZTV
- Purple Option ZTV

Authorised and Accepted - Stage 2 A2



**Figure 6.1h**  
Residential Receptors  
Zones of Theoretical Visibility  
Page 2 of 2

|                                     |           |       |            |         |        |          |          |            |    |
|-------------------------------------|-----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:135,000 | Drawn | MA         | Checked | HM     | Approved | JM       | Authorised | JM |
| Document Number                     | Project   |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000104 |           |       |            |         |        |          | P01      |            |    |
| Location                            | Type      | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey Licence number 100046668

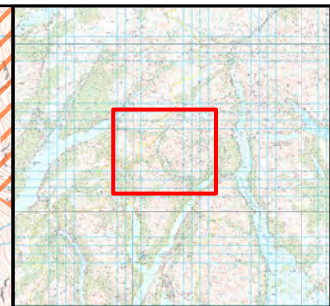
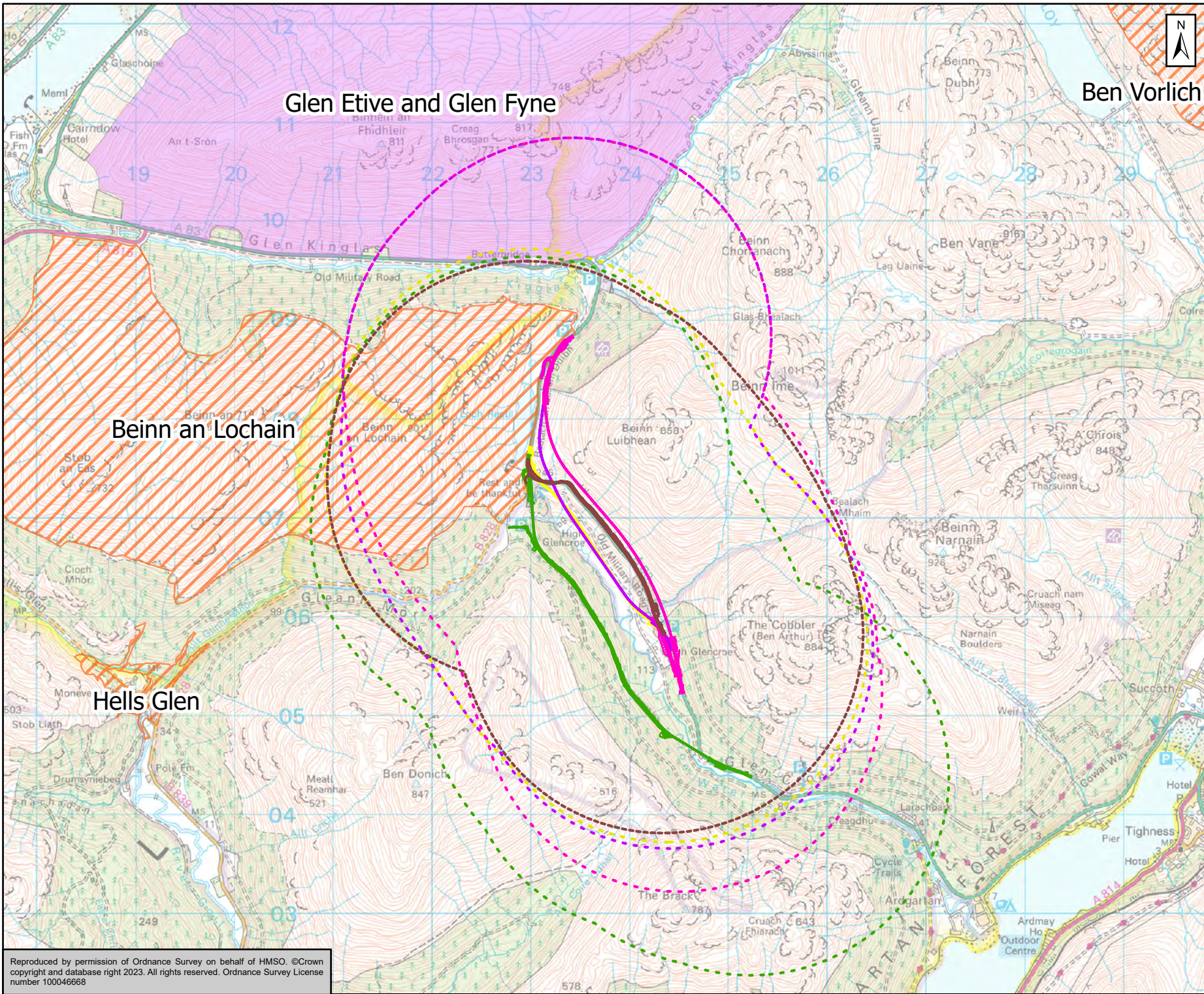
Esri, Intermap, NASA, NOAA, and USGS

---

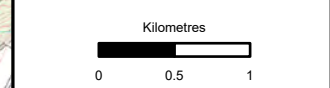
This page is blank.

---

## 7. Chapter 7 – Biodiversity



- Brown Option
- Green Option
- Pink Option
- Purple Option
- Yellow Option
- Brown Option 2km buffer
- Green Option 2km buffer
- Pink Option 2km buffer
- Purple Option 2km buffer
- Yellow Option 2km buffer
- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)



Authorised and Accepted – Stage 2 A2



Member of the SNC-Lavalin Group

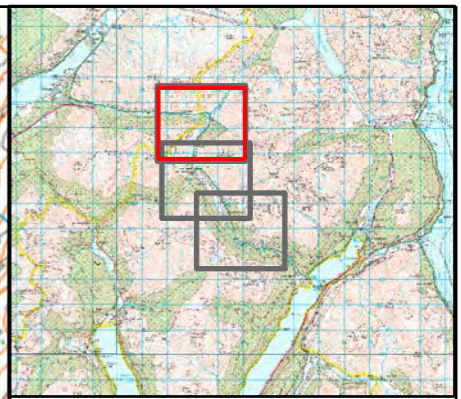
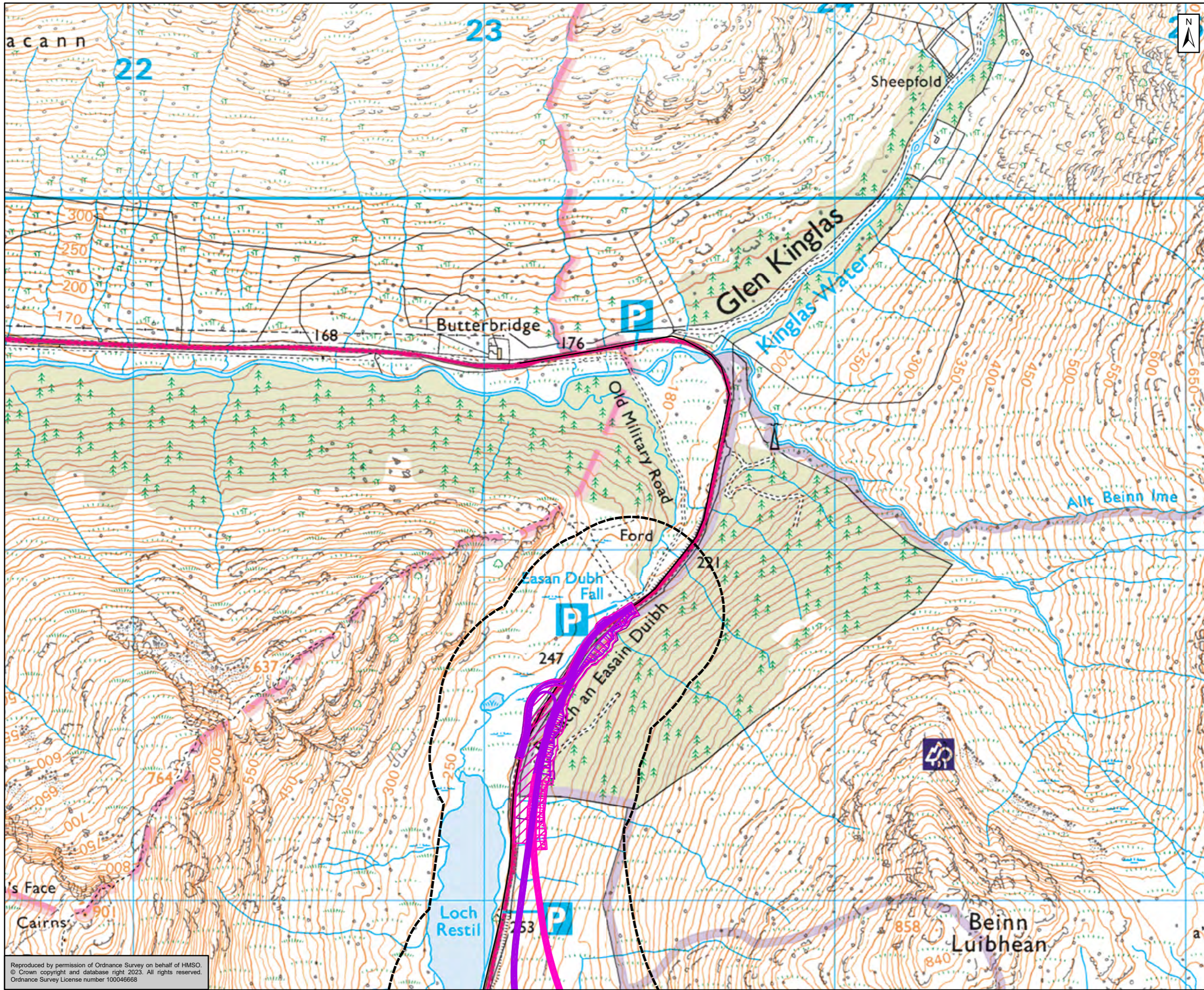
Figure 7.1:  
Statutory Designated  
Sites of Nature Conservation  
Page 1 of 1

Reproduced by permission of Ordnance Survey on behalf of HMSO. ©Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668

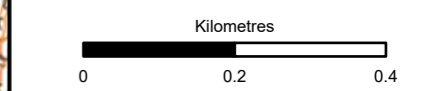
|                 |                                     |       |        |         |    |          |    |            |    |
|-----------------|-------------------------------------|-------|--------|---------|----|----------|----|------------|----|
| Scale           | 1:50,000                            | Drawn | MA     | Checked | HM | Approved | LW | Authorised | CW |
| Document Number | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000129 |       |        |         |    |          |    |            |    |
| Project         | A83AAB-AWJ-ELS-LTS_GEN-DR-VT-000129 |       |        |         |    |          |    |            |    |
| Location        | Type                                | Role  | Number |         |    |          |    |            |    |

---

## 8. Chapter 8 – Geology and Soils



- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▭ Pink Option Works Boundary
- ▭ Green Option Works Boundary
- ▭ Brown Option Works Boundary
- ▭ Yellow Option Works Boundary
- ▭ Purple Option Works Boundary
- ▭ Scheme Options – 250m Study Area



Subsidiary: Authored and Accepted - Stage 2 Status: A2

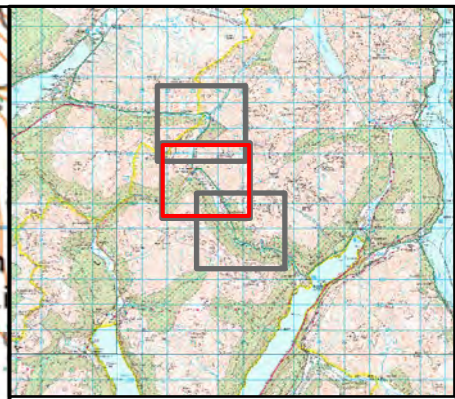
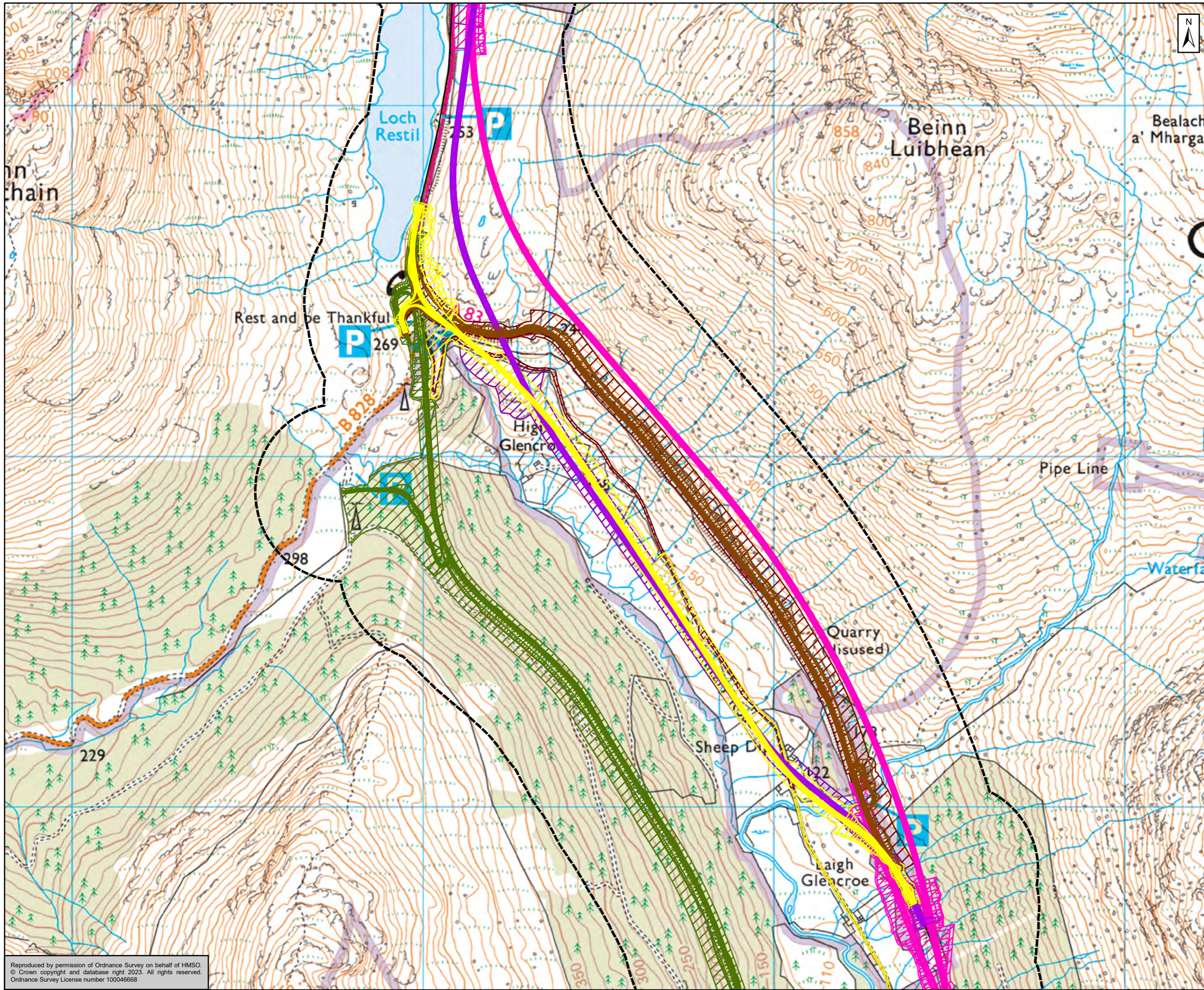


Figure 8.1  
Topography  
Page 1 of 3

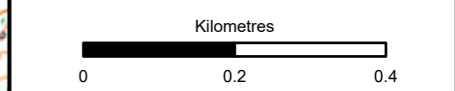
|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:10,000 | Drawn | KKK        | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000112 |          | P01   |            |         |        |          |          |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668





- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▭ Pink Option Works Boundary
- ▭ Green Option Works Boundary
- ▭ Brown Option Works Boundary
- ▭ Yellow Option Works Boundary
- ▭ Purple Option Works Boundary
- ⬢ Scheme Options – 250m Study Area



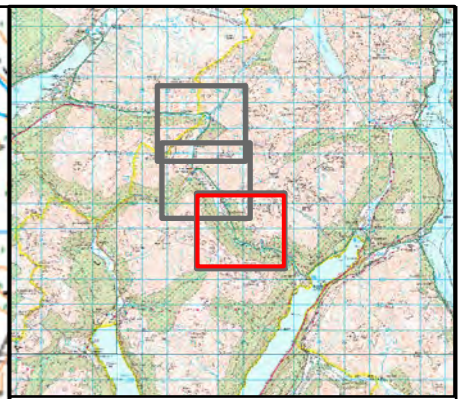
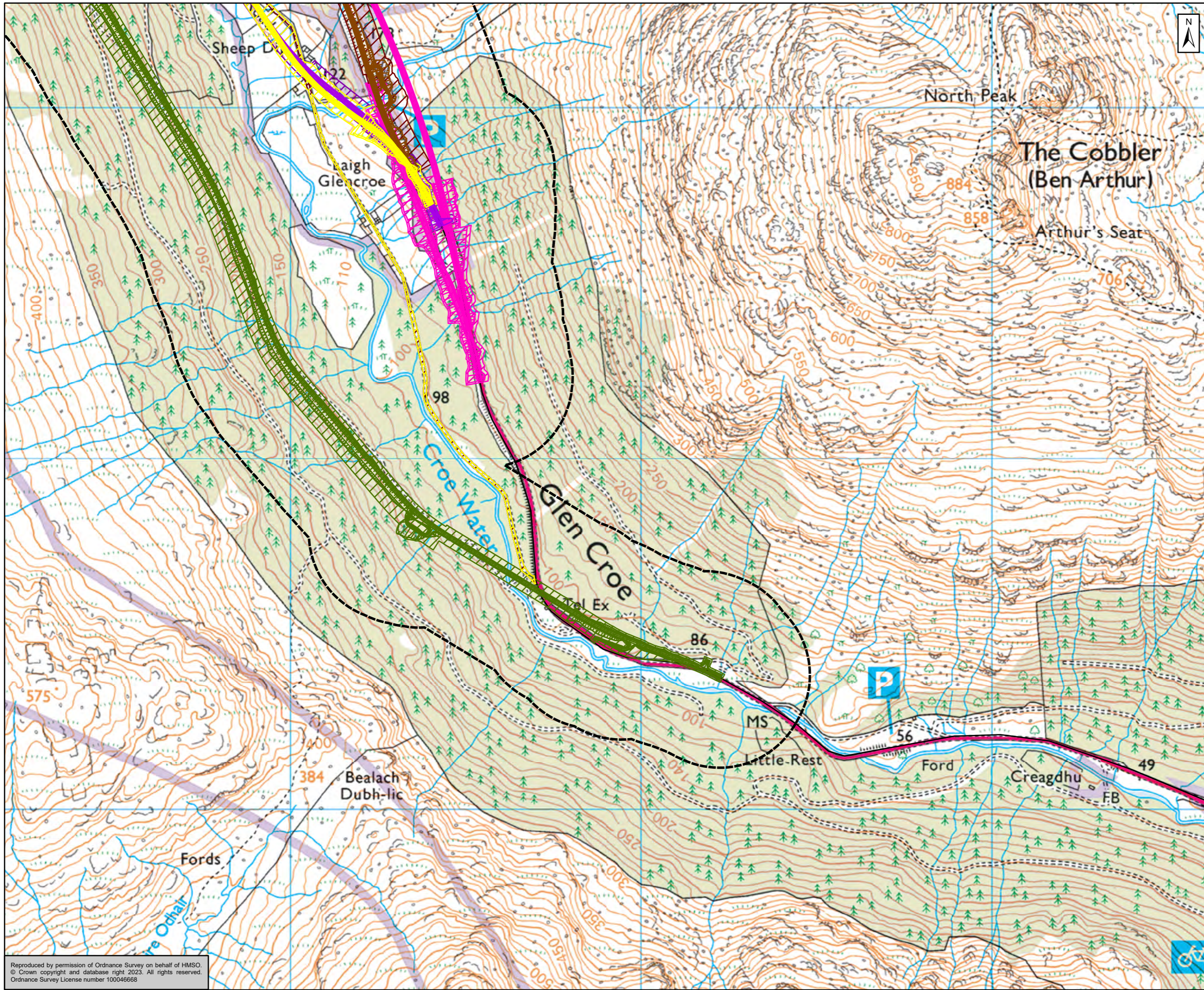
Subsidiary: Authored and Accepted - Stage 2 Status: A2



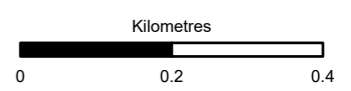
Figure 8.1  
Topography  
Page 2 of 3

|  |                             |                |              |                |
|--|-----------------------------|----------------|--------------|----------------|
| Scale: 1:10,000                                      | Drawn: KKK                  | Checked: MA    | Approved: SB | Authorised: DC |
| Document Number: A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000112 | Project: A83AAB-AWJ-EGT-LTS | Originator: MA | Volume: SB   | Revision: DC   |
| Location:  | Type:                       | Role:          | Number:      |                |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668



- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▭ Pink Option Works Boundary
- ▭ Green Option Works Boundary
- ▭ Brown Option Works Boundary
- ▭ Yellow Option Works Boundary
- ▭ Purple Option Works Boundary
- ⬜ Scheme Options – 250m Study Area



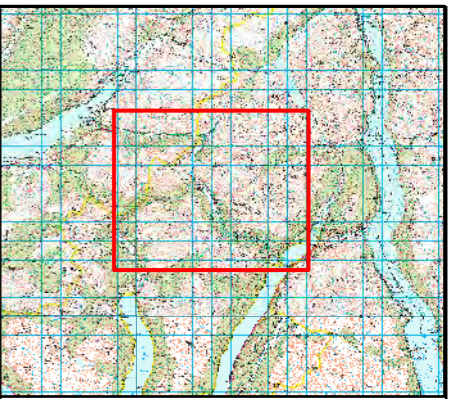
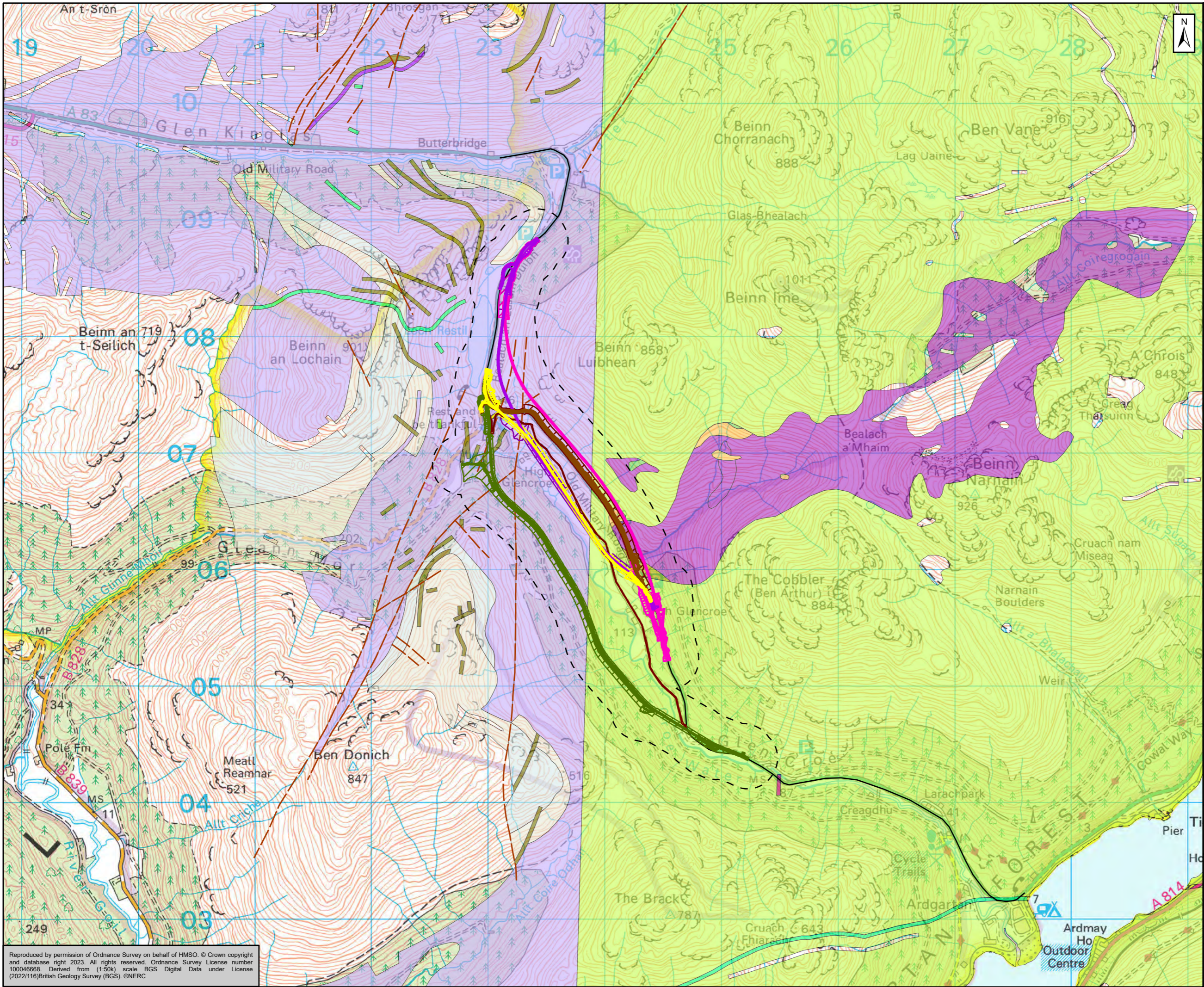
Authored and Accepted - Stage 2 A2



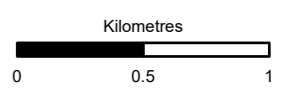
Figure 8.1  
Topography  
Page 3 of 3

|  |                       |               |                |                  |
|--|-----------------------|---------------|----------------|------------------|
| Scale<br>1:10,000                                      | Drawn<br>KKK          | Checked<br>MA | Approved<br>SB | Authorised<br>DC |
| Document Number<br>A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000112 | Project<br>Originator | Volume<br>P01 | Revision       |                  |
| Location   | Type                  | Role          | Number         |                  |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668



SEE PAGE 2 FOR LEGEND



Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.2  
Bedrock Geology and Faults  
(BGS 1:50k)  
Page 1 of 2

|                 |                                     |       |            |         |        |          |          |            |    |
|-----------------|-------------------------------------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale           | 1:30,000                            | Drawn | HM         | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number | Project                             |       | Originator |         | Volume |          | Revision |            |    |
|                 | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000113 |       | P01        |         |        |          | P01      |            |    |
| Location        | Type                                | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. Derived from (1:50k) scale BGS Digital Data under License (2022/116) British Geology Survey (BGS). ©NERC

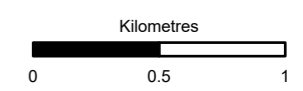
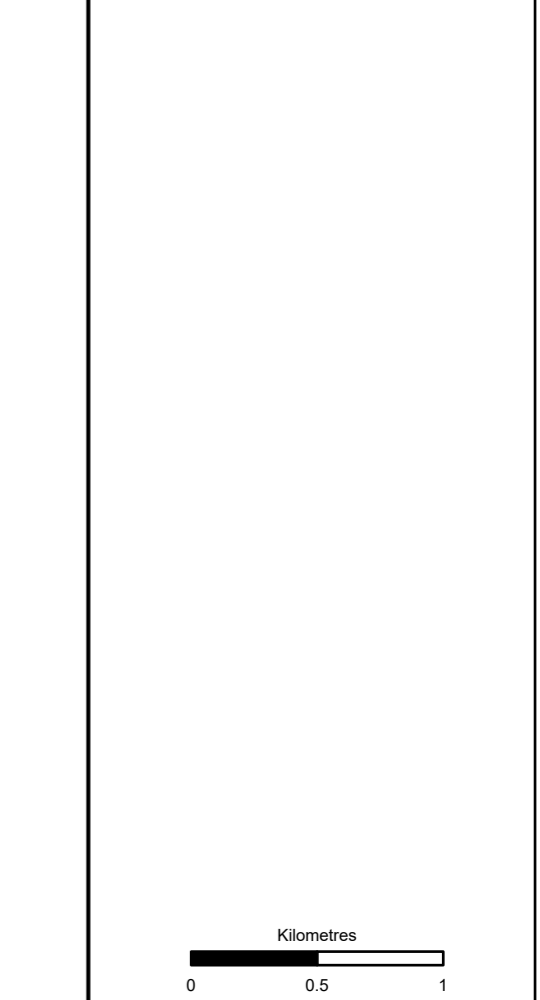
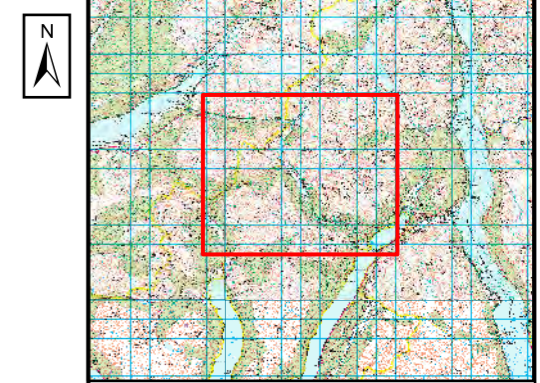
- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▭ Yellow Option Works Boundary
- ▭ Purple Option Works Boundary
- ▭ Pink Option Works Boundary
- ▭ Green Option Works Boundary
- ▭ Brown Option Works Boundary
- ▭ Proposed Scheme Options 250m Study Area
- ▭ Proposed Scheme Options 200m Study Area

**Linear Geology**

- Faults

**Bedrock Geology**

- ▭ MULD-BAMG Mull Dyke-Swarm - Basalt and microgabbro
- ▭ CSTD-MCQGB Central Scotland Late Carboniferous Tholeiitic Dyke Swarm - Quartz-microgabbro
- ▭ SSCGR-IBTFST South Of Scotland Granitic Suite - Intrusion-breccia and tuffisite
- ▭ SSCGR-MLDI South Of Scotland Granitic Suite - Meladiorite
- ▭ SSCGR-PXMDI South Of Scotland Granitic Suite - Pyroxene-mica diorite
- ▭ SSCGR-TO South Of Scotland Granitic Suite - Tonalite
- ▭ SDCAD-LMPY North Britain Siluro-Devonian Calc-Alkaline Dyke Suite - Lamprophyre
- ▭ SDCAD-MCDI North Britain Siluro-Devonian Calc-Alkaline Dyke Suite - Microdiorite
- ▭ SDCAD-MDAN North Britain Siluro-Devonian Calc-Alkaline Dyke Suite - Microdiorite and andesite
- ▭ DCBB-MWACKE Beinn Bheula Schist Formation - Metawacke
- ▭ DCBB-PSPE Beinn Bheula Schist Formation - Psammite and pelite
- ▭ DCBB-PSPP Beinn Bheula Schist Formation - Pelite, semipelite and psammite
- ▭ DCBB-SCH Beinn Bheula Schist Formation - Schist



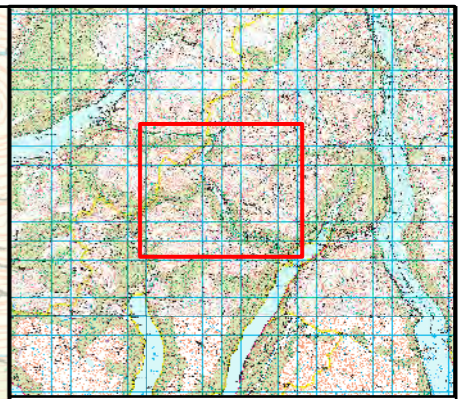
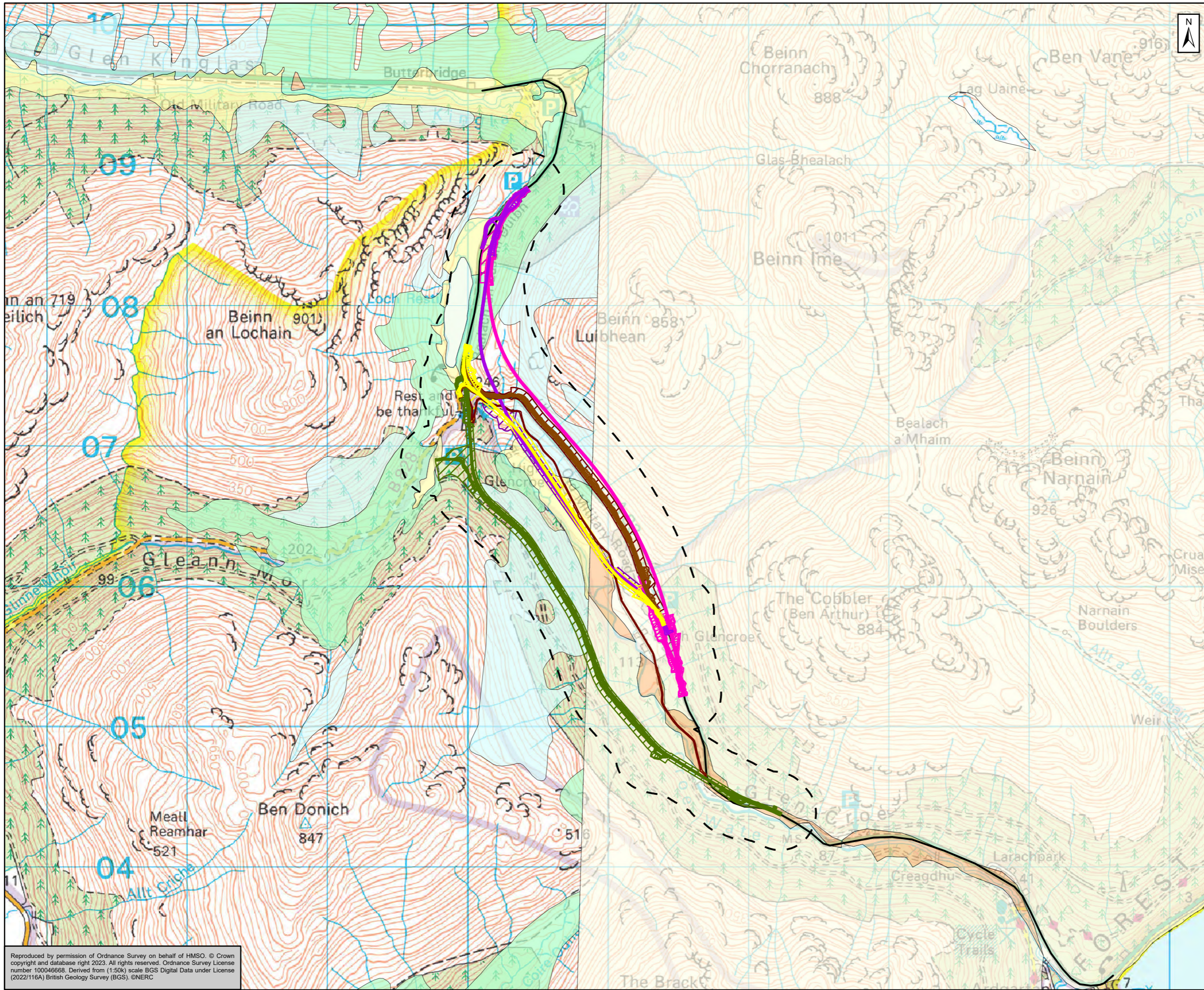
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Title: Figure 8.2  
Bedrock Geology and Faults  
(BGS 1:50k)  
Page 2 of 2

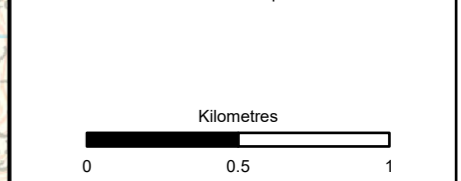
|                 |  |       |        |         |    |          |    |            |     |
|-----------------|--|-------|--------|---------|----|----------|----|------------|-----|
| Scale           | 1:30,000   | Drawn | HM     | Checked | MA | Approved | SB | Authorised | DC  |
| Document Number | Project   Originator   Volume<br>A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000113 |       |        |         |    |          |    | Revision   | P01 |
| Location        | Type   | Role  | Number |         |    |          |    |            |     |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. Derived from (1:50k) scale BGS Digital Data under License (2022/116) British Geology Survey (BGS). ©NERC



- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Yellow Option Works Boundary
- Purple Option Works Boundary
- Pink Option Works Boundary
- Green Option Works Boundary
- Brown Option Works Boundary
- Scheme Options – 250m Study Area

- Superficial Geology**
- ALV-XCZSV Alluvium - Clay, silt, sand and gravel
  - TILLD-DMTN Till, Devensian - Diamicton
  - HMGD-XDSV Hummocky (Moundy) Glacial Deposits - Diamicton, sand and gravel
  - RTD1-XVSZC River Terrace Deposits, 1 - Gravel, sand, silt and clay
  - SUPNM-UKNOWN Superficial Theme Not Mapped - Unknown/ unclassified entry
  - SUPNM-WATR Superficial Theme Not Mapped - Water, type unspecified



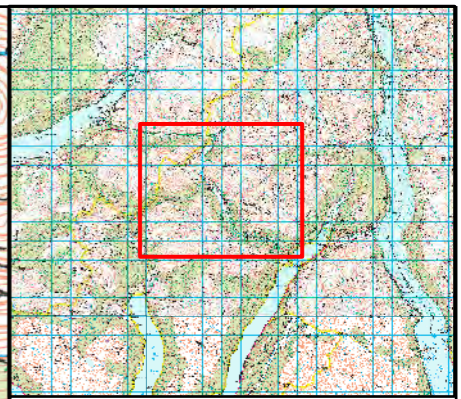
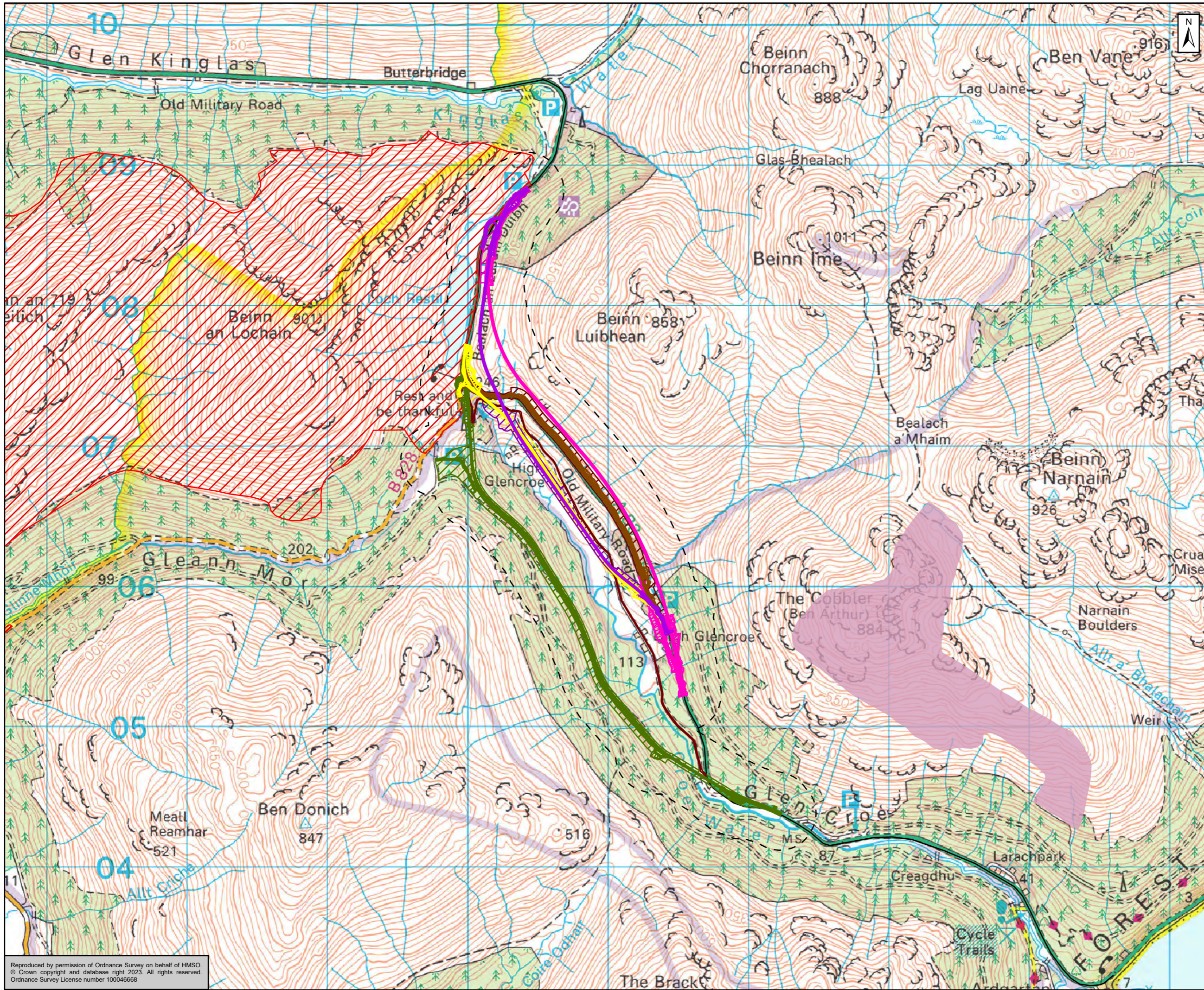
Subsidiary: Authored and Accepted - Stage 2 Status: A2



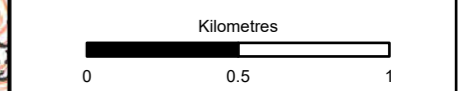
**Figure 8.3**  
**Superficial Geology**  
 (BGS 1:50k)  
 Page 1 of 1

|                 |                                     |       |      |            |    |          |          |            |    |
|-----------------|-------------------------------------|-------|------|------------|----|----------|----------|------------|----|
| Scale           | 1:25,000                            | Drawn | HM   | Checked    | MA | Approved | SB       | Authorised | DC |
| Document Number | Project                             |       |      | Originator |    |          | Volume   |            |    |
|                 | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000114 |       |      | P01        |    |          | Revision |            |    |
|                 | Location                            | Type  | Role | Number     |    |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. Derived from (1:50k) scale BGS Digital Data under License (2022/116A) British Geology Survey (BGS). ©NERC



- Existing A83 Trunk Route
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Yellow Option Works Boundary
- Purple Option Works Boundary
- Pink Option Works Boundary
- Green Option Works Boundary
- Brown Option Works Boundary
- Scheme Options – 250m Study Area
- Beinn an Lochain - Site of Special Scientific Interest
- The Cobbler (Ben Arthur) - Geological Conservation Review Site



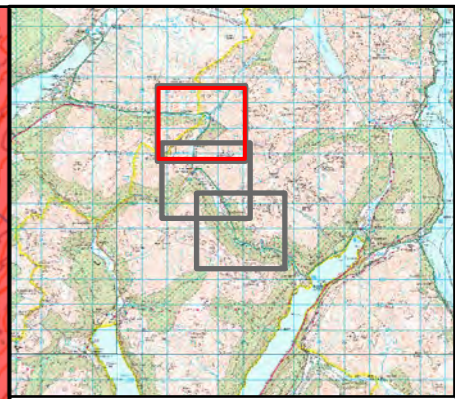
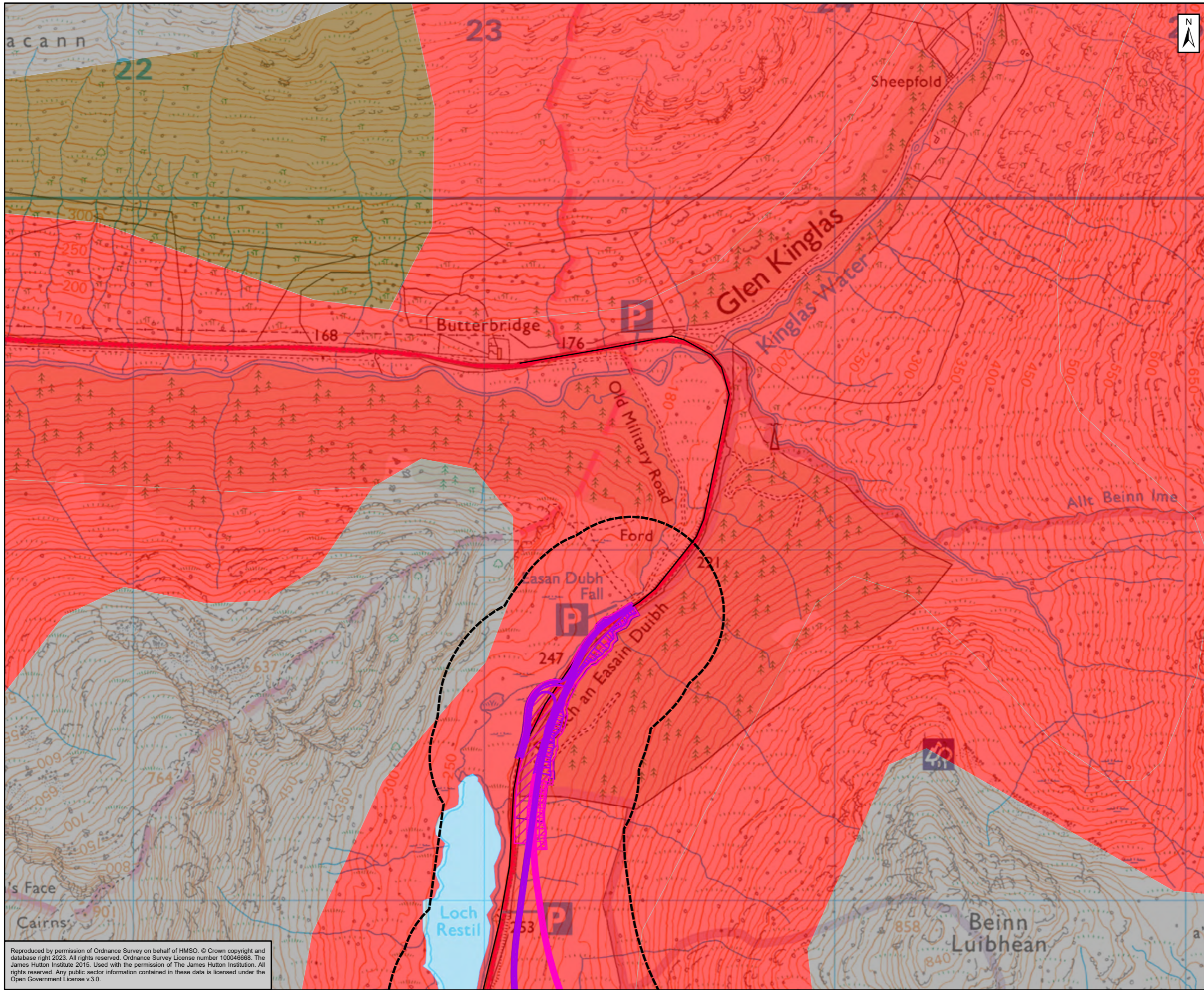
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.4  
SSSI Geology and Geological Conservation Review Sites  
Page 1 of 1

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:25,000 | Drawn | HM         | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000115 |          |       |            |         |        |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668



— Existing A83 Trunk Road  
 — Pink Option  
 — Green Option  
 — Brown Option  
 — Yellow Option  
 — Purple Option  
 — Pink Option Works Boundary  
 — Green Option Works Boundary  
 — Brown Option Works Boundary  
 — Yellow Option Works Boundary  
 — Purple Option Works Boundary  
 — Proposed Scheme Options - 250m Study Area

**Soil Classifications**  
 — Alluvial soils  
 — Calcareous soils  
 — Brown earths  
 — Humus-iron podzols  
 — Immature soils  
 — Lochs  
 — Magnesian soils  
 — Mineral gleys  
 — Montane soils  
 — Peat  
 — Peaty gleys  
 — Peaty podzols

Kilometres  
 0 0.2 0.4

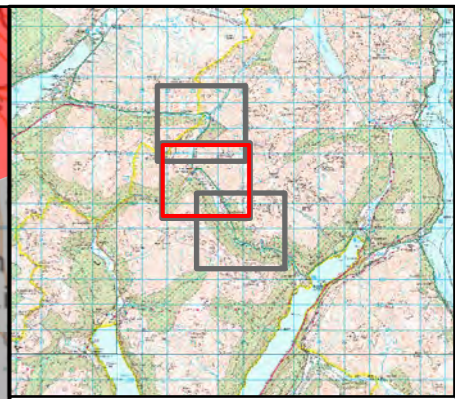
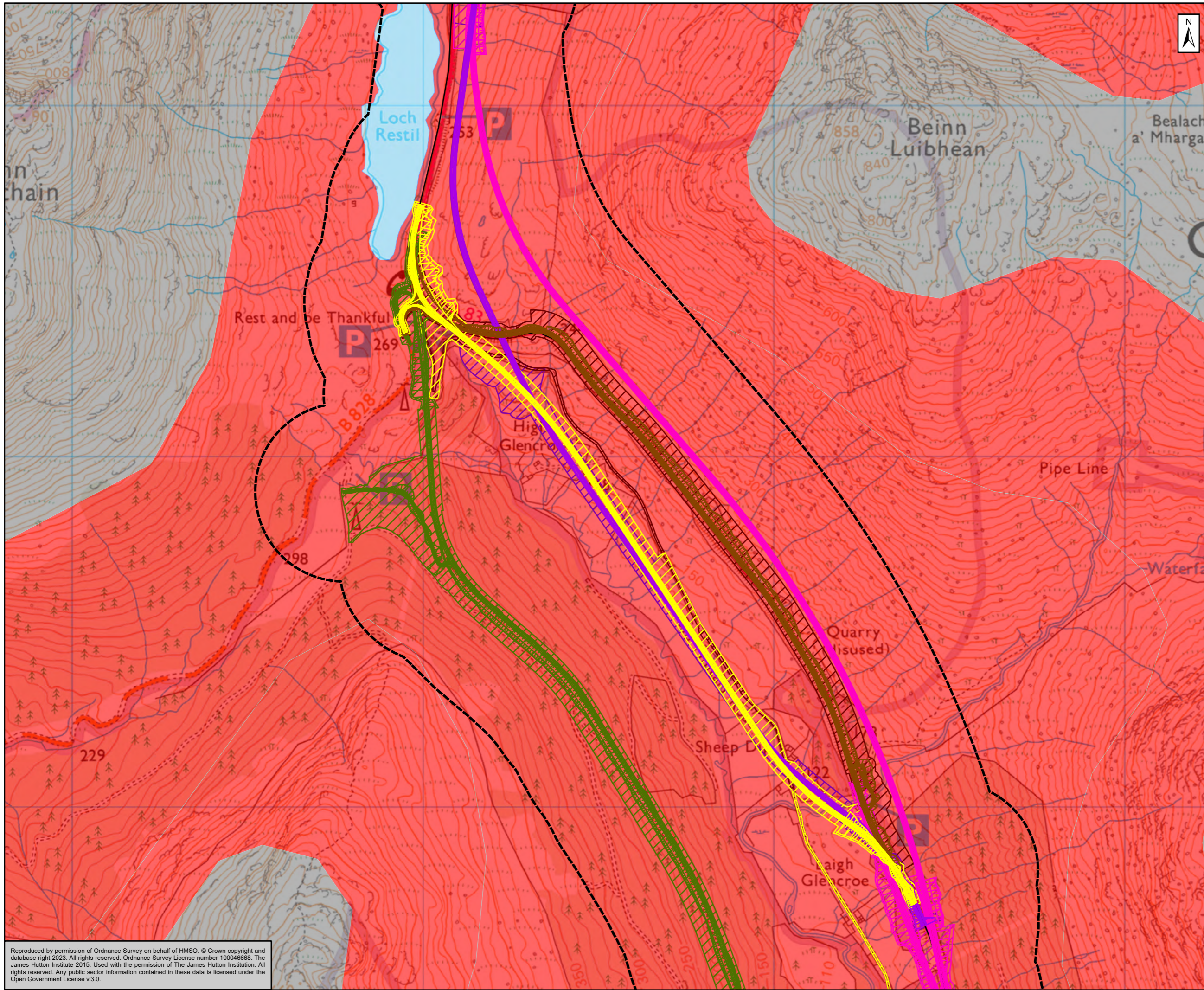
Subtitle: Authored and Accepted - Stage 2 Status: A2



Title: Figure 8.5  
 James Hutton Soil map of Scotland  
 Page 1 of 3

|                                     |         |            |          |            |
|-------------------------------------|---------|------------|----------|------------|
| Scale                               | Drawn   | Checked    | Approved | Authorised |
| 1:10,000                            | KKK     | MA         | SB       | DC         |
| Document Number                     | Project | Originator | Volume   | Revision   |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000116 |         |            |          | P01        |
| Location                            | Type    | Role       | Number   |            |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institution. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v.3.0.



— Existing A83 Trunk Road  
 — Pink Option  
 — Green Option  
 — Brown Option  
 — Yellow Option  
 — Purple Option  
 — Pink Option Works Boundary  
 — Green Option Works Boundary  
 — Brown Option Works Boundary  
 — Yellow Option Works Boundary  
 — Purple Option Works Boundary  
 — Proposed Scheme Options – 250m Study Area

**Soil Classifications**  
 — Alluvial soils  
 — Calcareous soils  
 — Brown earths  
 — Humus-iron podzols  
 — Immature soils  
 — Lochs  
 — Magnesian soils  
 — Mineral gleys  
 — Montane soils  
 — Peat  
 — Peaty gleys  
 — Peaty podzols

Kilometres  
 0 0.2 0.4

Authored and Accepted - Stage 2 Status A2

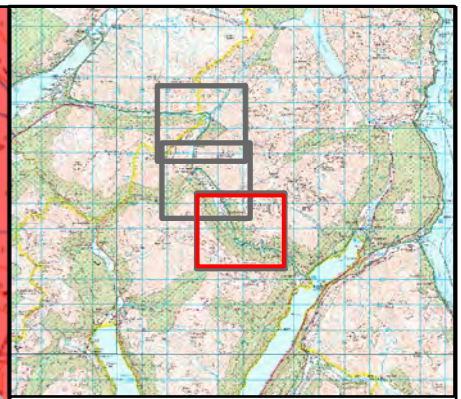
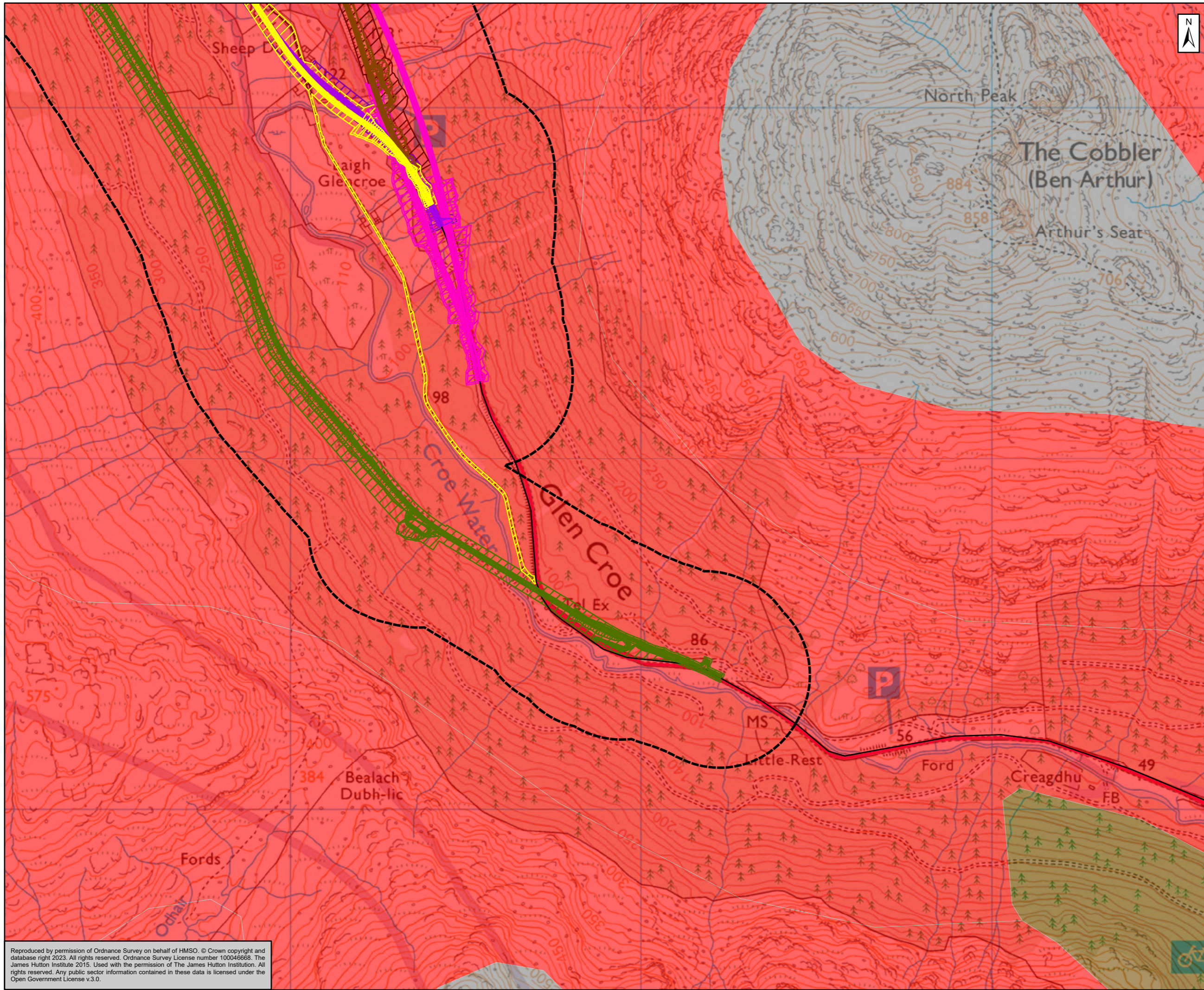


Title  
**Figure 8.5**  
**James Hutton Soil map of Scotland**  
 Page 2 of 3

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:10,000 | Drawn | KKK        | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000116 |          | P01   |            |         |        |          |          |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institution. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v3.0.





— Existing A83 Trunk Road  
 — Pink Option  
 — Green Option  
 — Brown Option  
 — Yellow Option  
 — Purple Option  
 — Pink Option Works Boundary  
 — Green Option Works Boundary  
 — Brown Option Works Boundary  
 — Yellow Option Works Boundary  
 — Purple Option Works Boundary  
 — Proposed Scheme Options – 250m Study Area

**Soil Classifications**  
 — Alluvial soils  
 — Calcareous soils  
 — Brown earths  
 — Humus-iron podzols  
 — Immature soils  
 — Lochs  
 — Magnesian soils  
 — Mineral gleys  
 — Montane soils  
 — Peat  
 — Peaty gleys  
 — Peaty podzols

Kilometres  
 0 0.2 0.4

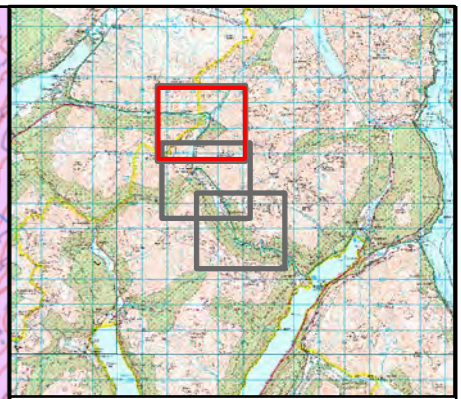
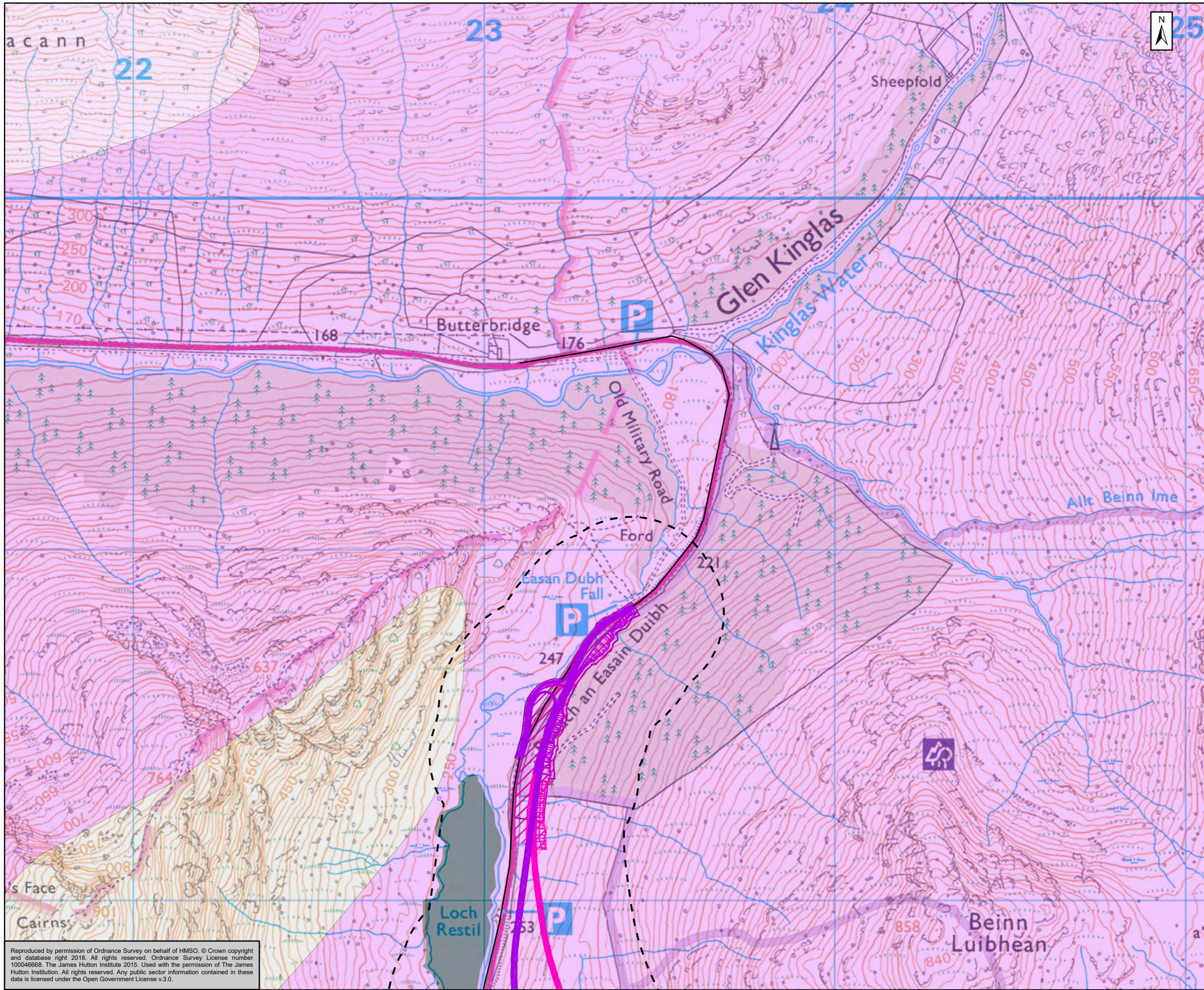
Subtitle: Authored and Accepted - Stage 2 Status: A2



Title: Figure 8.5  
 James Hutton Soil map of Scotland  
 Page 3 of 3

|                 |                                     |        |        |         |    |          |    |            |     |
|-----------------|-------------------------------------|--------|--------|---------|----|----------|----|------------|-----|
| Scale           | 1:10,000                            | Drawn  | KKK    | Checked | MA | Approved | SB | Authorised | DC  |
| Document Number | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000116 |        |        |         |    |          |    | Revision   | P01 |
| Project         | Originator                          | Volume |        |         |    |          |    |            |     |
| Location        | Type                                | Role   | Number |         |    |          |    |            |     |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institution. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v3.0.



— Existing A83 Trunk Road  
 — Pink Option  
 — Green Option  
 — Brown Option  
 — Yellow Option  
 — Purple Option  
 — Yellow Option Works Boundary  
 — Purple Option Works Boundary  
 — Pink Option Works Boundary  
 — Green Option Works Boundary  
 — Brown Option Works Boundary  
 — Scheme Options – 250m Study Area

**Land Capability for Agriculture**

- 1
- 2
- 3.1
- 3.2
- 4.1
- 4.2
- 5.1
- 5.2
- 5.3
- 6.1
- 6.2
- 6.3
- 7
- 888
- 999
- 9500

Kilometres  
0 0.2 0.4

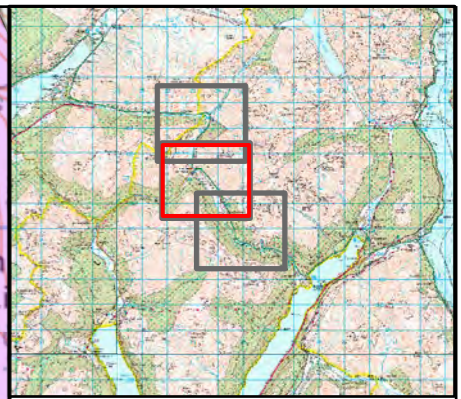
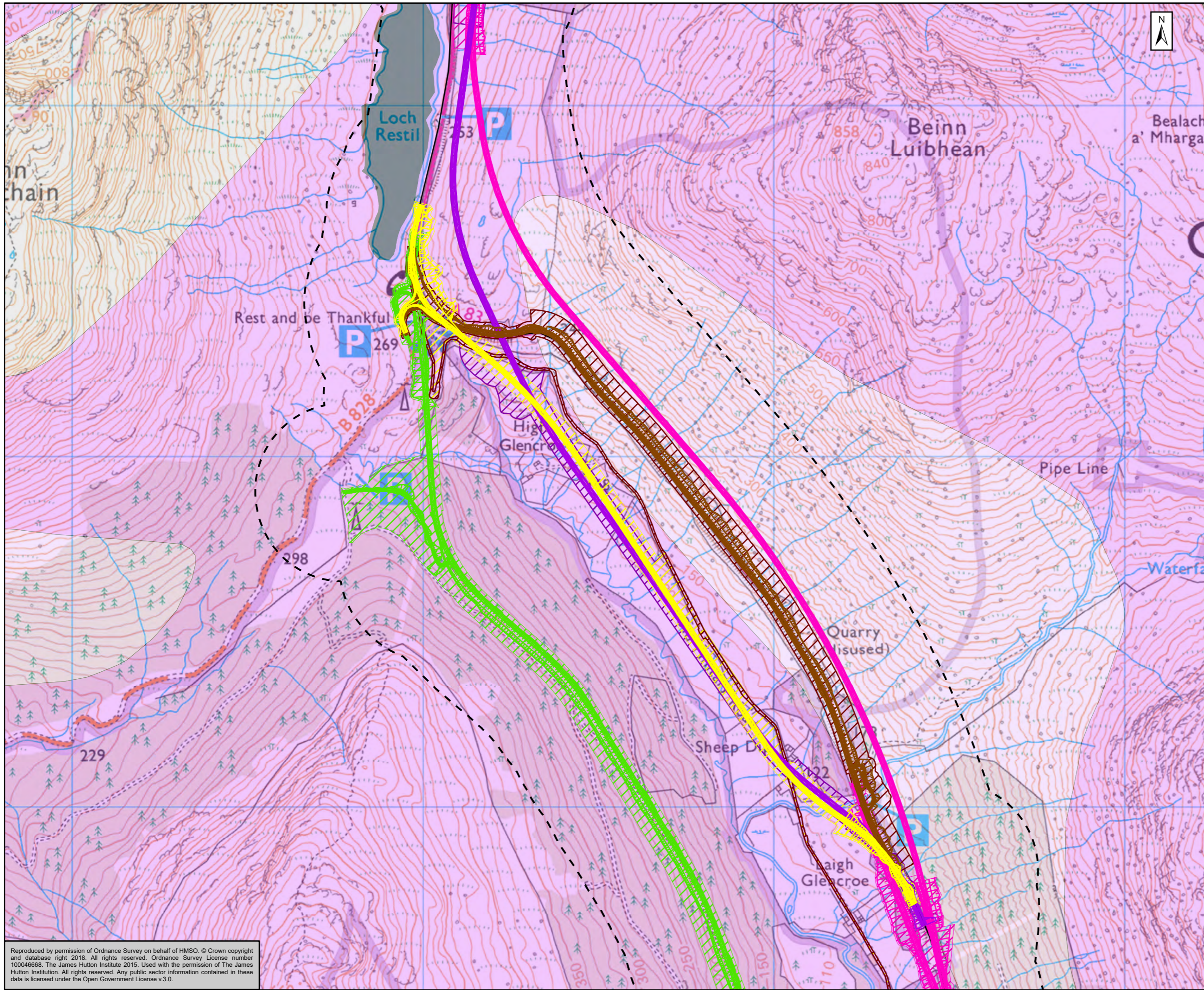
Substity: Authored and Accepted - Stage 2 Status: A2



Figure 8.6  
Land Capability for Agriculture Map  
Page 1 of 3

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:10,000 | Drawn | HM         | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000117 |          |       |            |         |        |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institute. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v3.0.



— Existing A83 Trunk Road  
 — Pink Option  
 — Green Option  
 — Brown Option  
 — Yellow Option  
 — Purple Option  
 ▨ Yellow Option Works Boundary  
 ▨ Purple Option Works Boundary  
 ▨ Pink Option Works Boundary  
 ▨ Green Option Works Boundary  
 ▨ Brown Option Works Boundary  
 - - - Scheme Options – 250m Study Area

**Land Capability for Agriculture**

- 1
- 2
- 3.1
- 3.2
- 4.1
- 4.2
- 5.1
- 5.2
- 5.3
- 6.1
- 6.2
- 6.3
- 7
- 888
- 999
- 9500

Kilometres

0 0.2 0.4

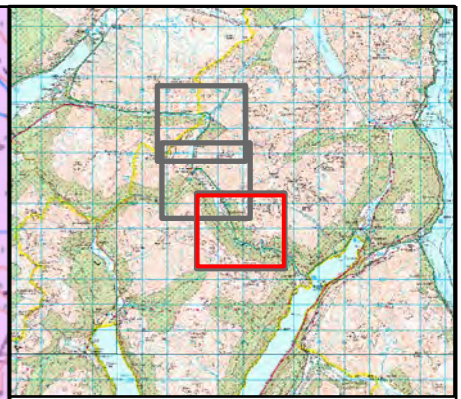
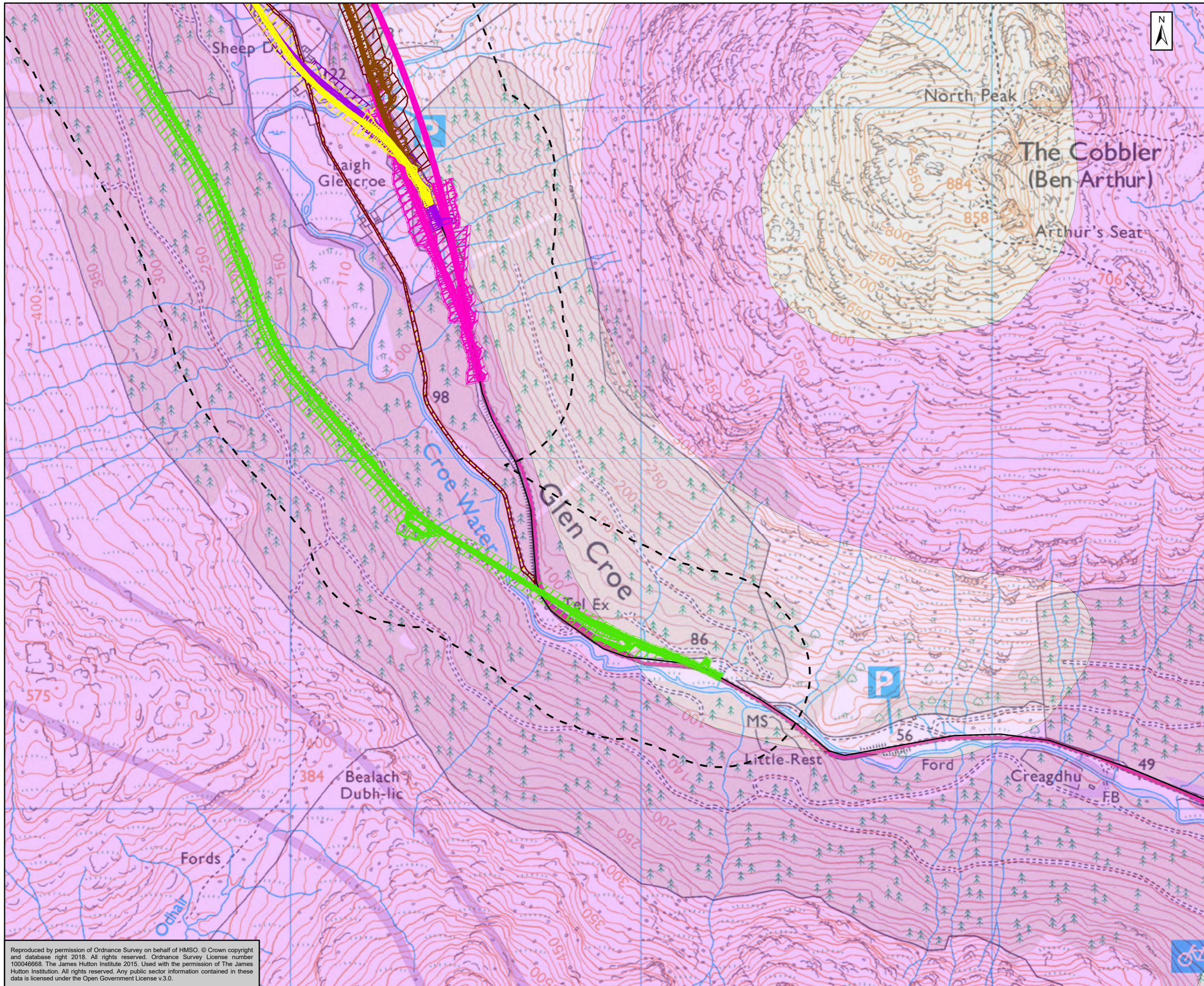
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.6  
Land Capability for Agriculture Map  
Page 2 of 3

|                                     |                                     |       |                                     |         |                                     |          |          |            |    |
|-------------------------------------|-------------------------------------|-------|-------------------------------------|---------|-------------------------------------|----------|----------|------------|----|
| Scale                               | 1:10,000                            | Drawn | HM                                  | Checked | MA                                  | Approved | SB       | Authorised | DC |
| Document Number                     | Project                             |       | Originator                          |         | Volume                              |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000117 | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000117 |       | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000117 |         | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000117 |          | P01      |            |    |
| Location                            | Type                                | Role  | Number                              |         |                                     |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institute. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v3.0.



— Existing A83 Trunk Road  
 — Pink Option  
 — Green Option  
 — Brown Option  
 — Yellow Option  
 — Purple Option  
 — Yellow Option Works Boundary  
 — Purple Option Works Boundary  
 — Pink Option Works Boundary  
 — Green Option Works Boundary  
 — Brown Option Works Boundary  
 - - - Scheme Options – 250m Study Area

**Land Capability for Agriculture**

|      |
|------|
| 1    |
| 2    |
| 3.1  |
| 3.2  |
| 4.1  |
| 4.2  |
| 5.1  |
| 5.2  |
| 5.3  |
| 6.1  |
| 6.2  |
| 6.3  |
| 7    |
| 888  |
| 999  |
| 9500 |

Kilometres  
0 0.2 0.4

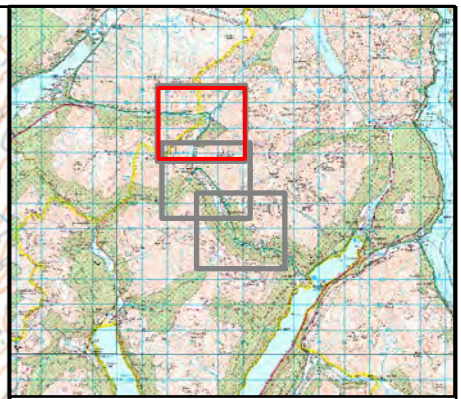
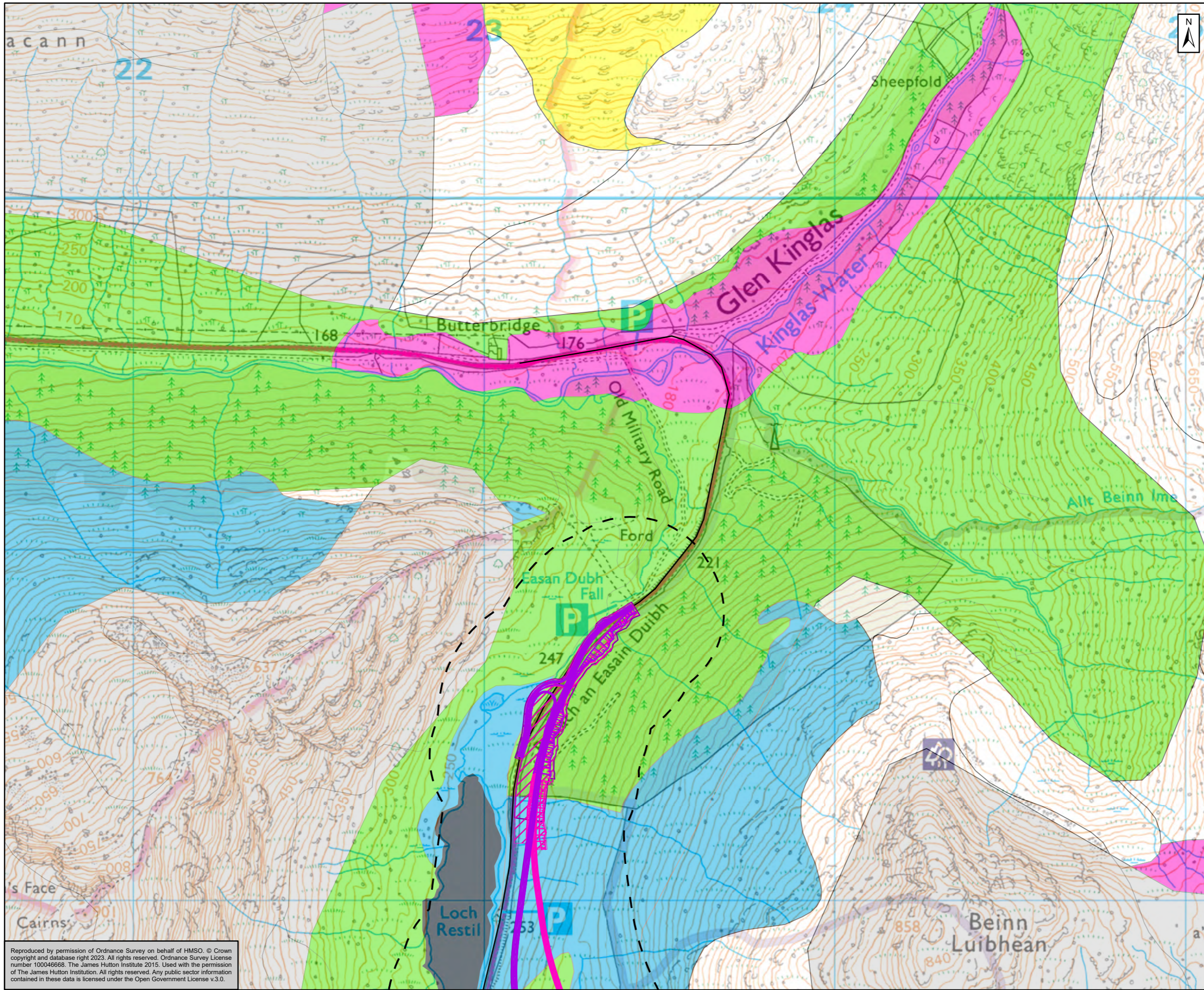
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.6  
Land Capability for Agriculture Map  
Page 3 of 3

|  |                             |                 |                 |                |
|--|-----------------------------|-----------------|-----------------|----------------|
| Scale: 1:10,000                                      | Drawn: HM                   | Checked: MA     | Approved: SB    | Authorised: DC |
| Document Number: A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000117 | Project Originator: [Blank] | Volume: [Blank] | Revision: P01   | [Blank]        |
| Location: [Blank]                                    | Type: [Blank]               | Role: [Blank]   | Number: [Blank] | [Blank]        |

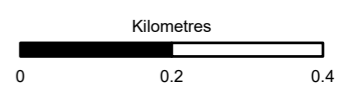
Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institute. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v3.0.



- Existing A83 Trunk Route
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▨ Yellow Option Works Boundary
- ▨ Purple Option Works Boundary
- ▨ Pink Option Works Boundary
- ▨ Green Option Works Boundary
- ▨ Brown Option Works Boundary
- ▭ Scheme Options – 250m Study Area

**Carbon and Peat Mapping - Importance**

- Nom-Soil
- Unknown Soil
- Mineral Soil
- Class 1
- Class 2
- Class 3
- Class 4
- Class 5



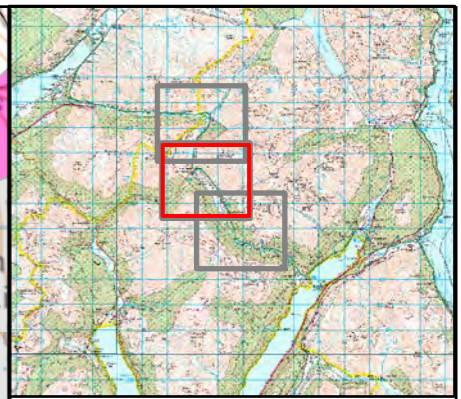
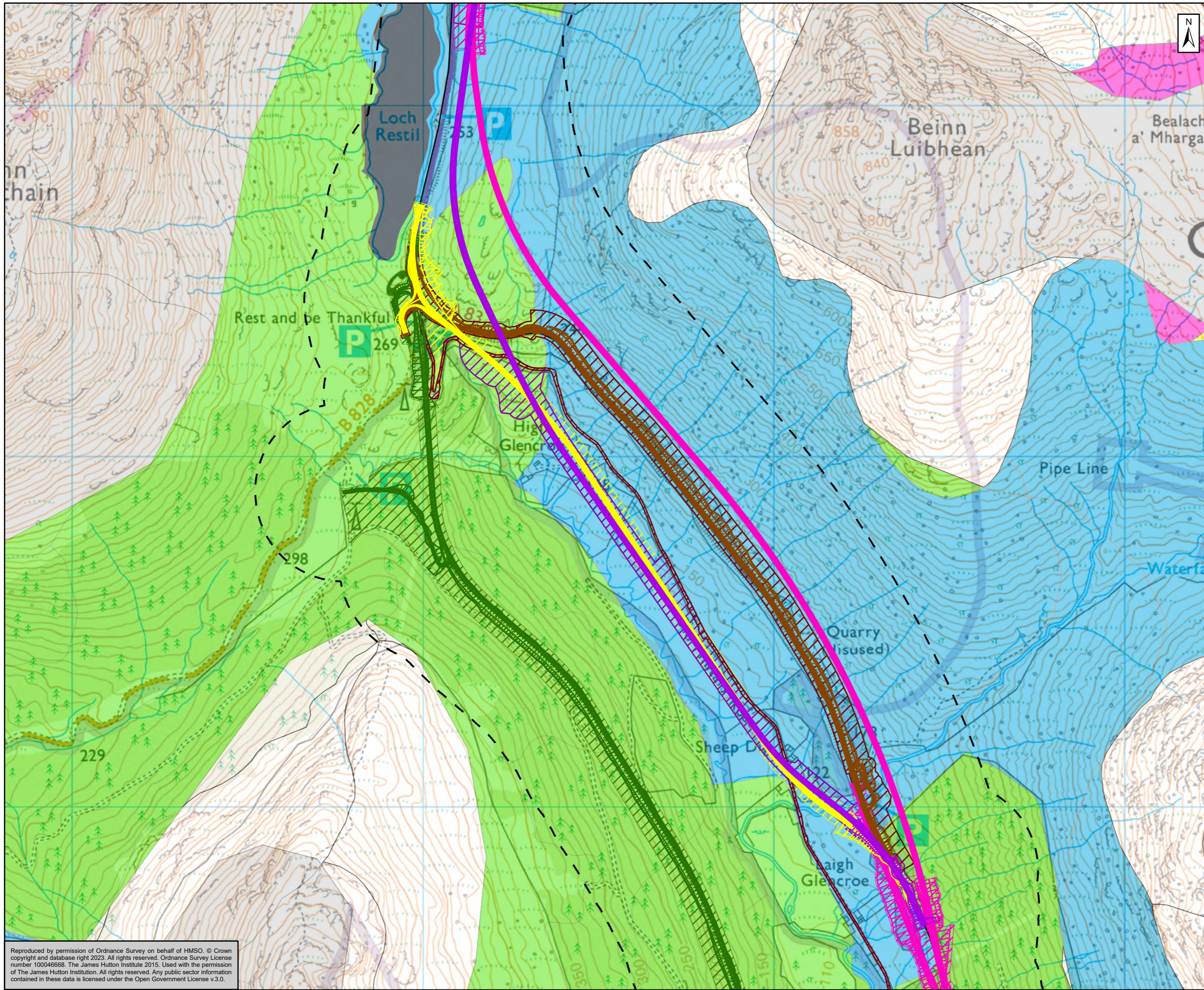
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.7  
Carbon and Peat Map 2016  
Page 1 of 3

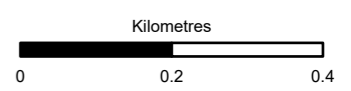
|                                     |          |       |        |            |    |          |        |            |    |
|-------------------------------------|----------|-------|--------|------------|----|----------|--------|------------|----|
| Scale                               | 1:10,000 | Drawn | HM     | Checked    | MA | Approved | SB     | Authorised | DC |
| Document Number                     | Project  |       |        | Originator |    |          | Volume |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000118 |          |       | P01    |            |    |          |        |            |    |
| Location                            | Type     | Role  | Number |            |    |          |        |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institute. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v.3.0.



- Existing A83 Trunk Route
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Yellow Option Works Boundary
- Purple Option Works Boundary
- Pink Option Works Boundary
- Green Option Works Boundary
- Brown Option Works Boundary
- Scheme Options – 250m Study Area

- Carbon and Peat Mapping - Importance**
- Nom-Soil
  - Unknown Soil
  - Mineral Soil
  - Class 1
  - Class 2
  - Class 3
  - Class 4
  - Class 5



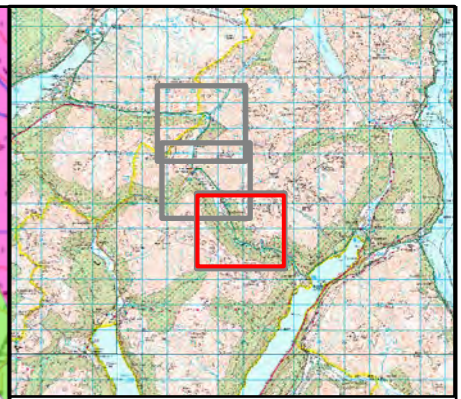
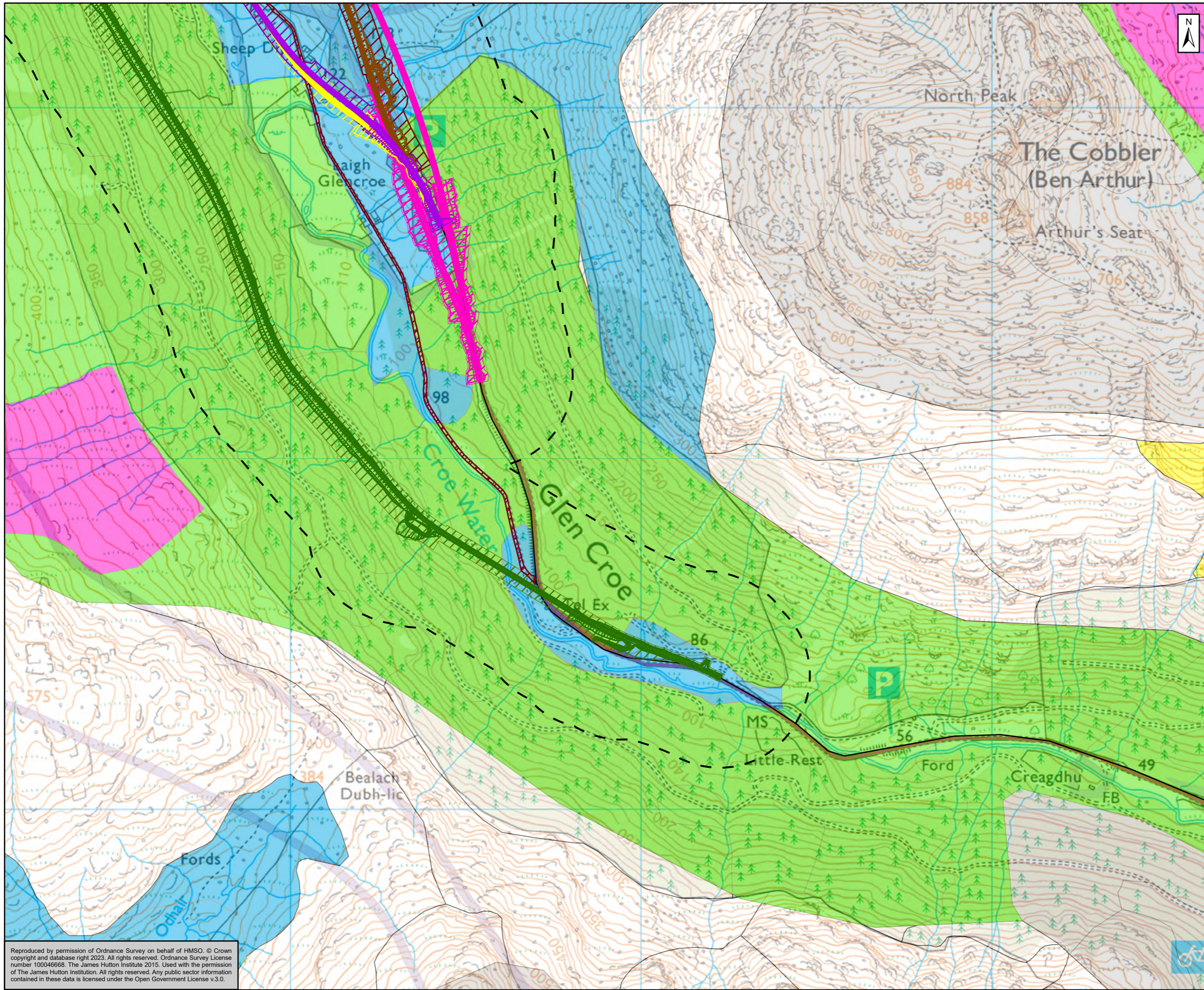
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.7  
Carbon and Peat Map 2016  
Page 2 of 3

|                 |                                     |        |        |         |    |          |    |            |     |
|-----------------|-------------------------------------|--------|--------|---------|----|----------|----|------------|-----|
| Scale           | 1:10,000                            | Drawn  | HM     | Checked | MA | Approved | SB | Authorised | DC  |
| Document Number | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000118 |        |        |         |    |          |    | Revision   | P01 |
| Project         | Originator                          | Volume |        |         |    |          |    |            |     |
| Location        | Type                                | Role   | Number |         |    |          |    |            |     |

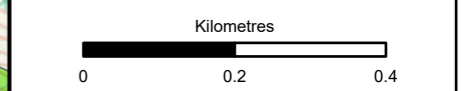
Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institute. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v.3.0.



- Existing A83 Trunk Route
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▨ Yellow Option Works Boundary
- ▨ Purple Option Works Boundary
- ▨ Pink Option Works Boundary
- ▨ Green Option Works Boundary
- ▨ Brown Option Works Boundary
- ⋯ Scheme Options – 250m Study Area

**Carbon and Peat Mapping - Importance**

- Nom-Soil
- Unknown Soil
- Mineral Soil
- Class 1
- Class 2
- Class 3
- Class 4
- Class 5



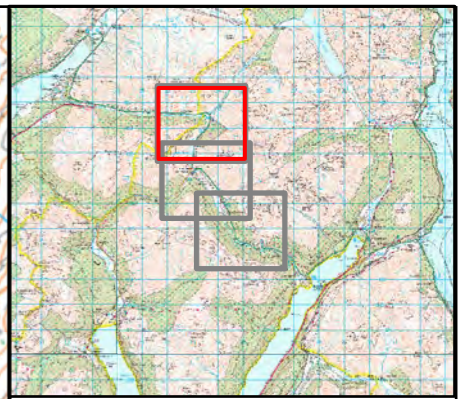
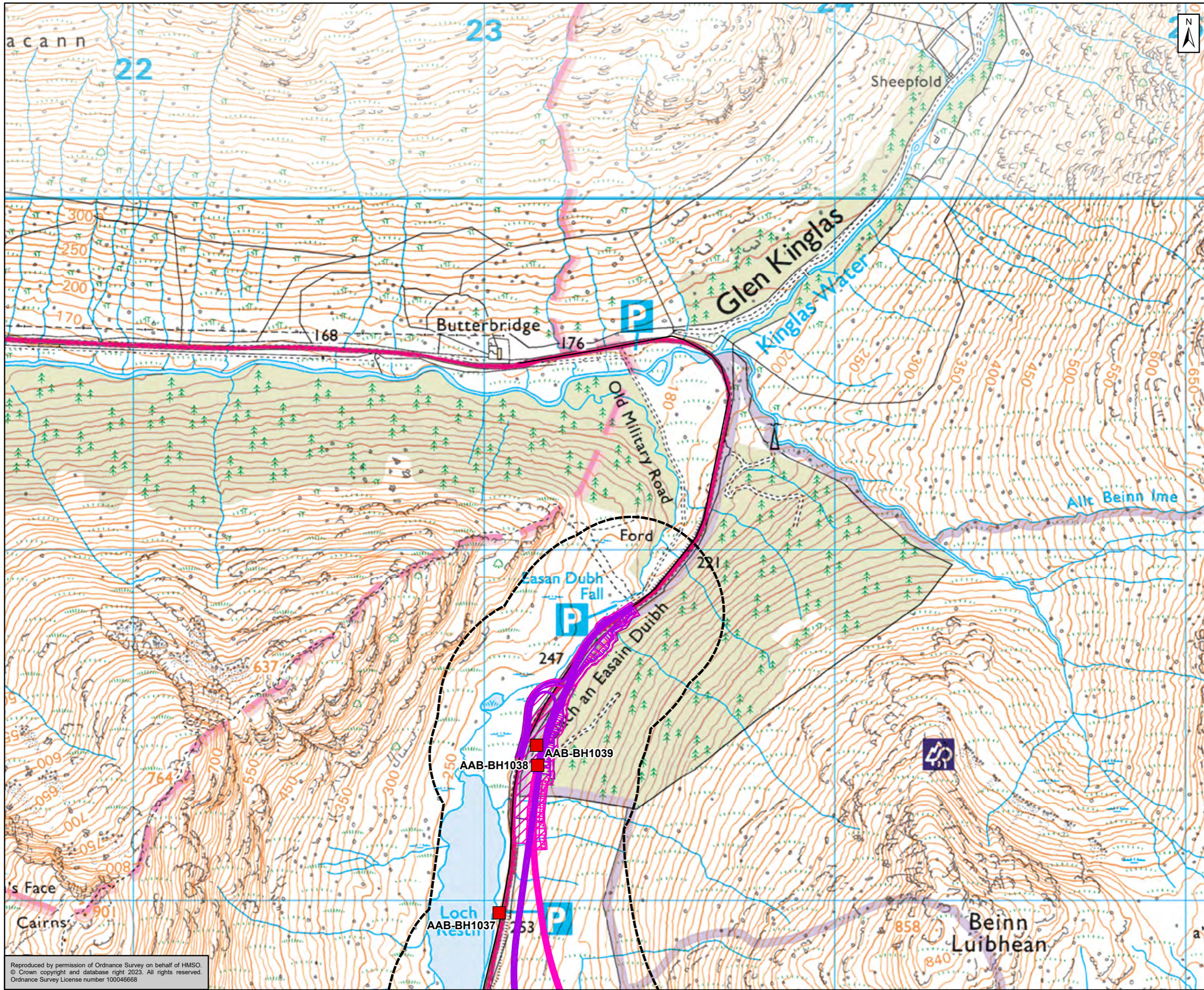
Subsidiary: Authored and Accepted - Stage 2 Status: A2



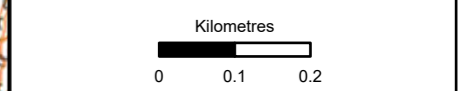
Figure 8.7  
Carbon and Peat Map 2016  
Page 3 of 3

|                                     |          |       |      |            |    |          |        |            |        |  |  |
|-------------------------------------|----------|-------|------|------------|----|----------|--------|------------|--------|--|--|
| Scale                               | 1:10,000 | Drawn | HM   | Checked    | MA | Approved | SB     | Authorised | DC     |  |  |
| Document Number                     | Project  |       |      | Originator |    |          | Volume |            |        |  |  |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000118 |          |       | P01  |            |    | Revision |        |            |        |  |  |
| Location                            |          |       | Type |            |    | Role     |        |            | Number |  |  |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668. The James Hutton Institute 2015. Used with the permission of The James Hutton Institute. All rights reserved. Any public sector information contained in these data is licensed under the Open Government License v.3.0.



- Groundwater Installations
- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Pink Option Works Boundary
- Green Option Works Boundary
- Brown Option Works Boundary
- Yellow Option Works Boundary
- Purple Option Works Boundary
- Scheme Options – 250m Study Area



Authorised and Accepted - Stage 2 A2

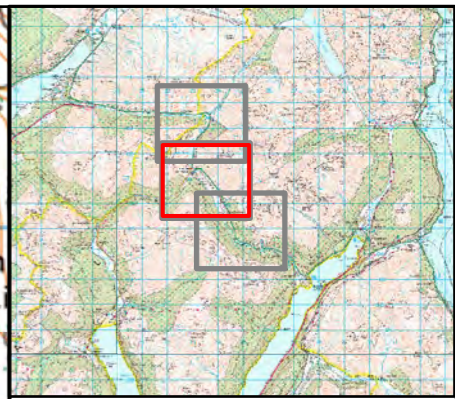
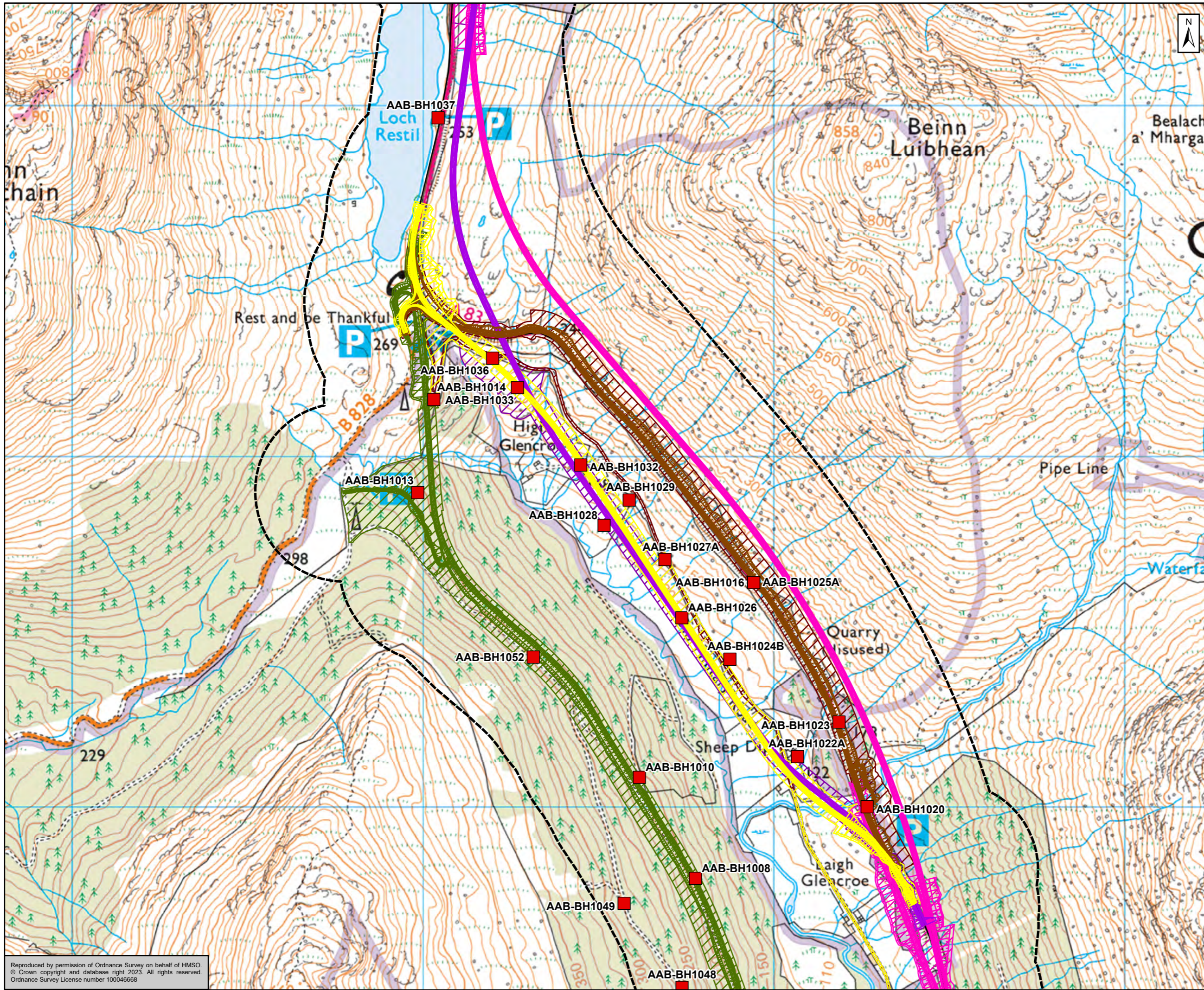


**Figure 8.8**  
Groundwater Installations  
Page 1 of 3

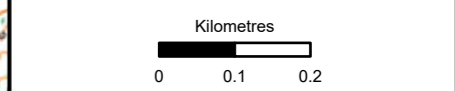
|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:10,000 | Drawn | KKK        | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000119 |          | P01   |            |         |        |          |          |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668





- Groundwater Installations
- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Pink Option Works Boundary
- Green Option Works Boundary
- Brown Option Works Boundary
- Yellow Option Works Boundary
- Purple Option Works Boundary
- Scheme Options – 250m Study Area



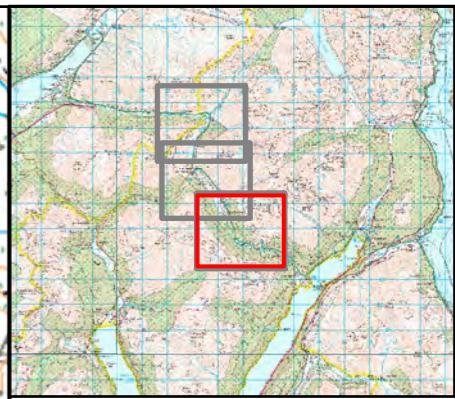
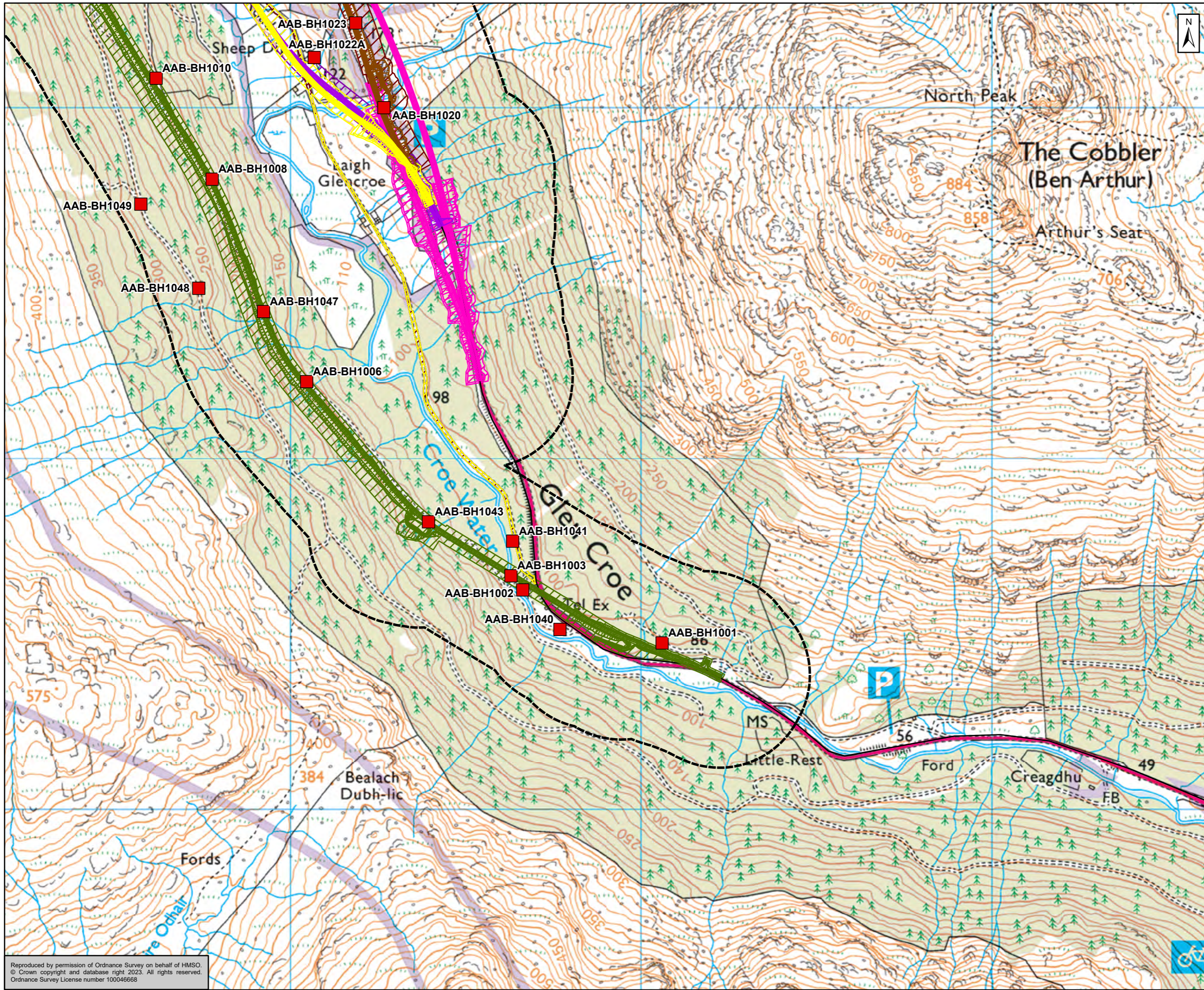
Authorised and Accepted - Stage 2 A2



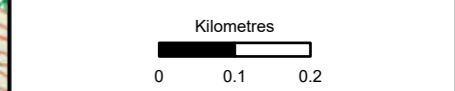
**Figure 8.8**  
Groundwater Installations  
Page 2 of 3

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:10,000 | Drawn | KKK        | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000119 |          | P01   |            | P01     |        |          |          |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668



- Groundwater Installations
- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Pink Option Works Boundary
- Green Option Works Boundary
- Brown Option Works Boundary
- Yellow Option Works Boundary
- Purple Option Works Boundary
- Scheme Options – 250m Study Area



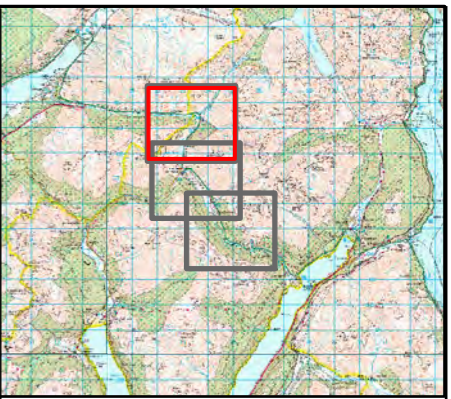
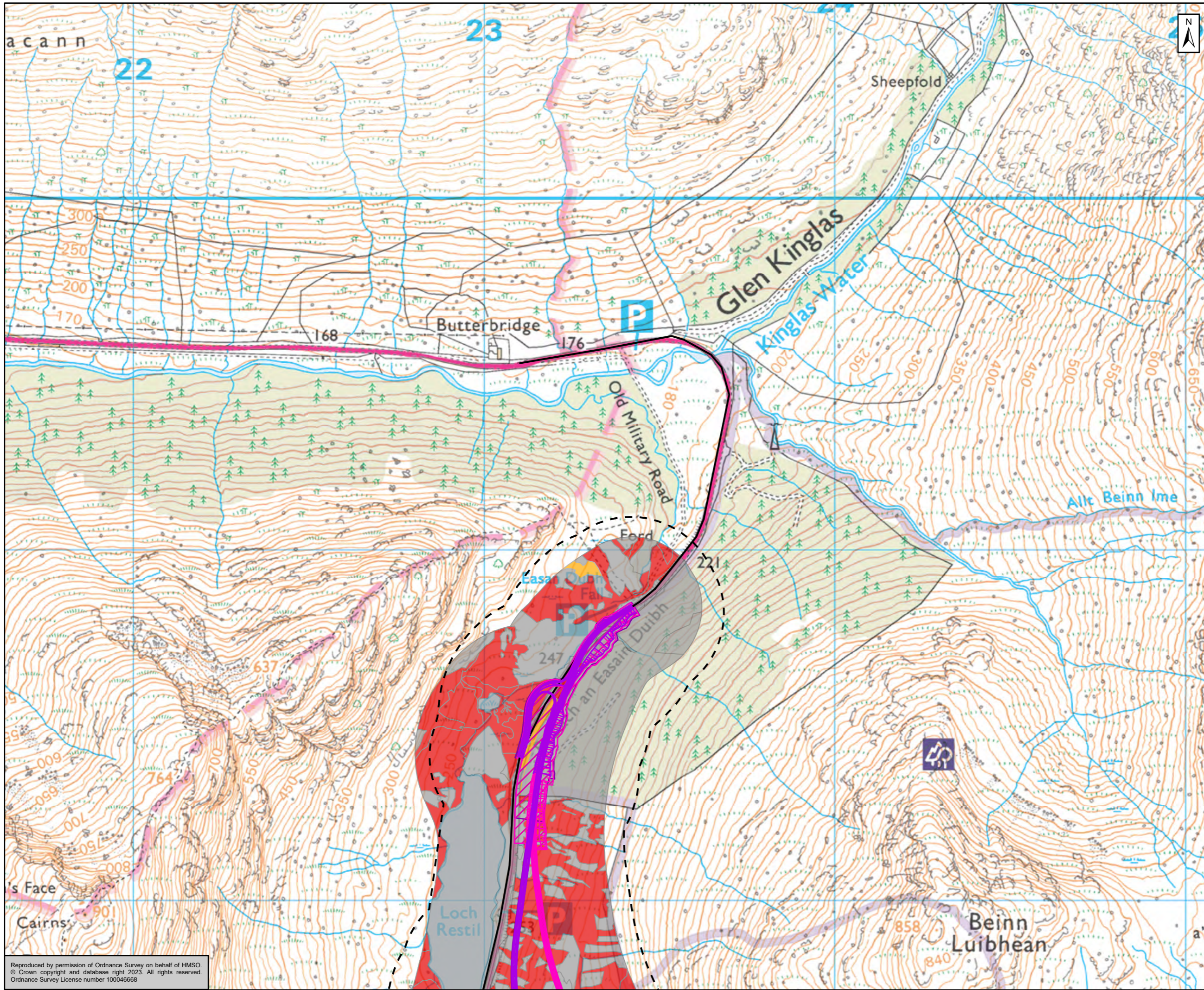
Authorised and Accepted - Stage 2 A2



**Figure 8.8**  
Groundwater Installations  
Page 3 of 3

|  |                    |               |                 |                  |
|--|--------------------|---------------|-----------------|------------------|
| Scale<br>1:10,000                                      | Drawn<br>KKK       | Checked<br>MA | Approved<br>SB  | Authorised<br>DC |
| Document Number<br>A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000119 | Project Originator | Volume        | Revision<br>P01 |                  |
| Location   | Type               | Role          | Number          |                  |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668



- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▭ Pink Option Works Boundary
- ▭ Green Option Works Boundary
- ▭ Brown Option Works Boundary
- ▭ Yellow Option Works Boundary
- ▭ Purple Option Works Boundary
- - - Scheme Options – 250m Study Area

- GWDE Final Ranking**
- Potentially Highly Dependant GWDE
  - Potentially Moderately Dependant GWDE
  - No GWDE



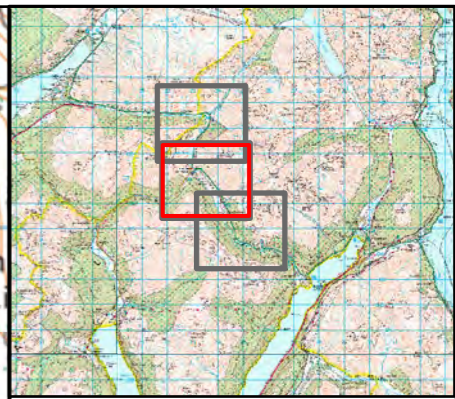
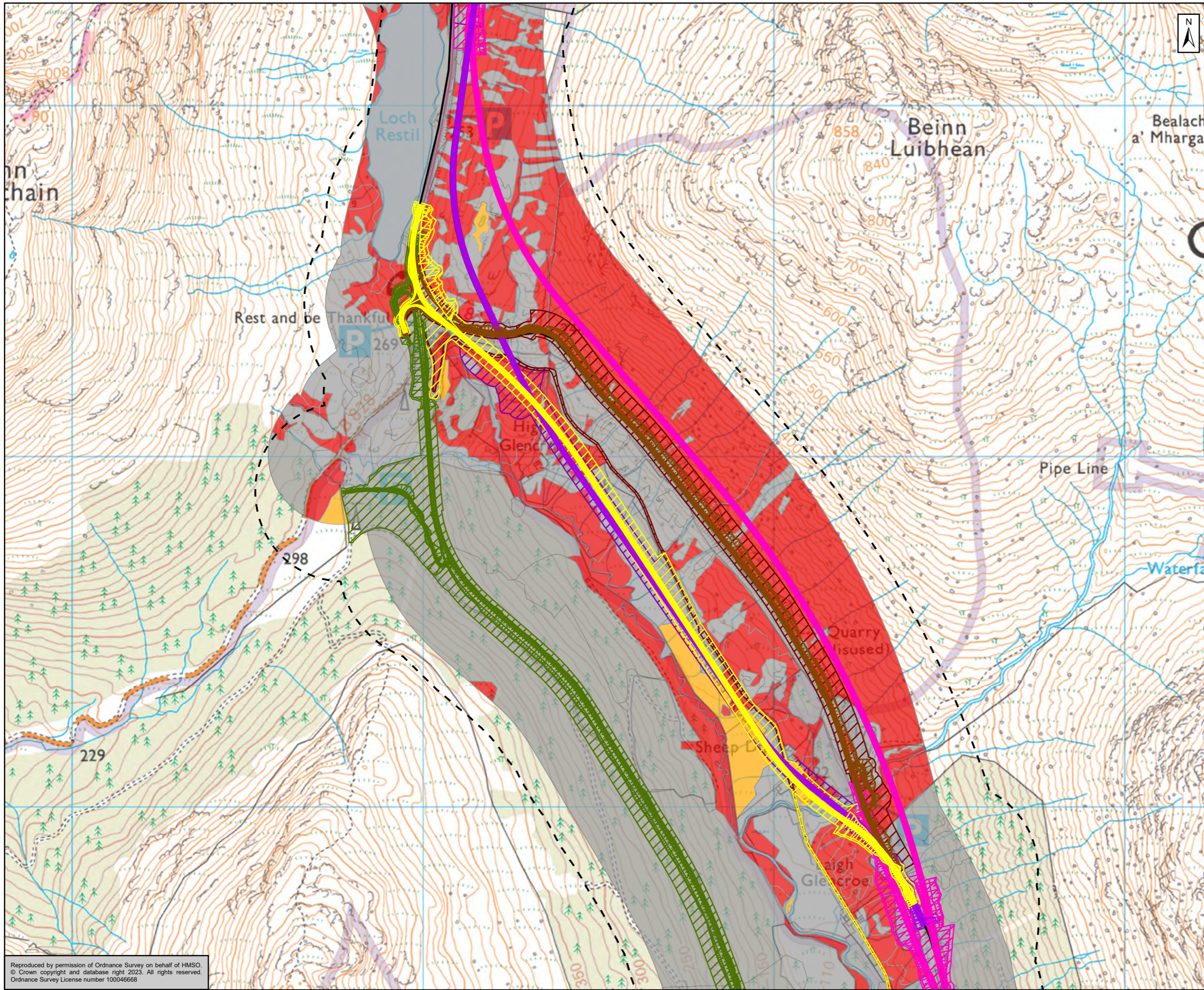
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.9  
Groundwater Dependent  
Terrestrial Ecosystems  
Page 1 of 3

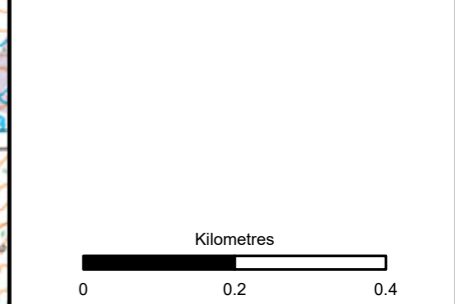
|                 |                                     |        |        |         |    |          |    |            |     |
|-----------------|-------------------------------------|--------|--------|---------|----|----------|----|------------|-----|
| Scale           | 1:10,000                            | Drawn  | HM     | Checked | MA | Approved | SB | Authorised | DC  |
| Document Number | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000120 |        |        |         |    |          |    | Revision   | P01 |
| Project         | Originator                          | Volume |        |         |    |          |    |            |     |
| Location        | Type                                | Role   | Number |         |    |          |    |            |     |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668



- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- Pink Option Works Boundary
- Green Option Works Boundary
- Brown Option Works Boundary
- Yellow Option Works Boundary
- Purple Option Works Boundary
- Scheme Options – 250m Study Area

- GWDE Final Ranking**
- Potentially Highly Dependent GWDE
  - Potentially Moderately Dependent GWDE
  - No GWDE



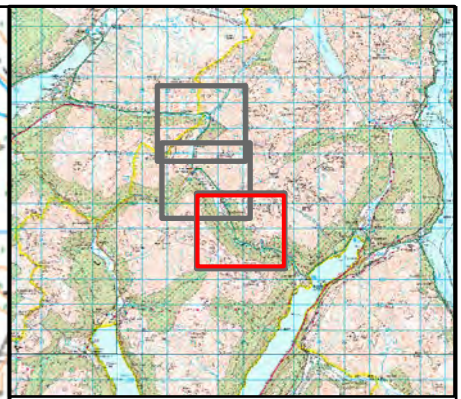
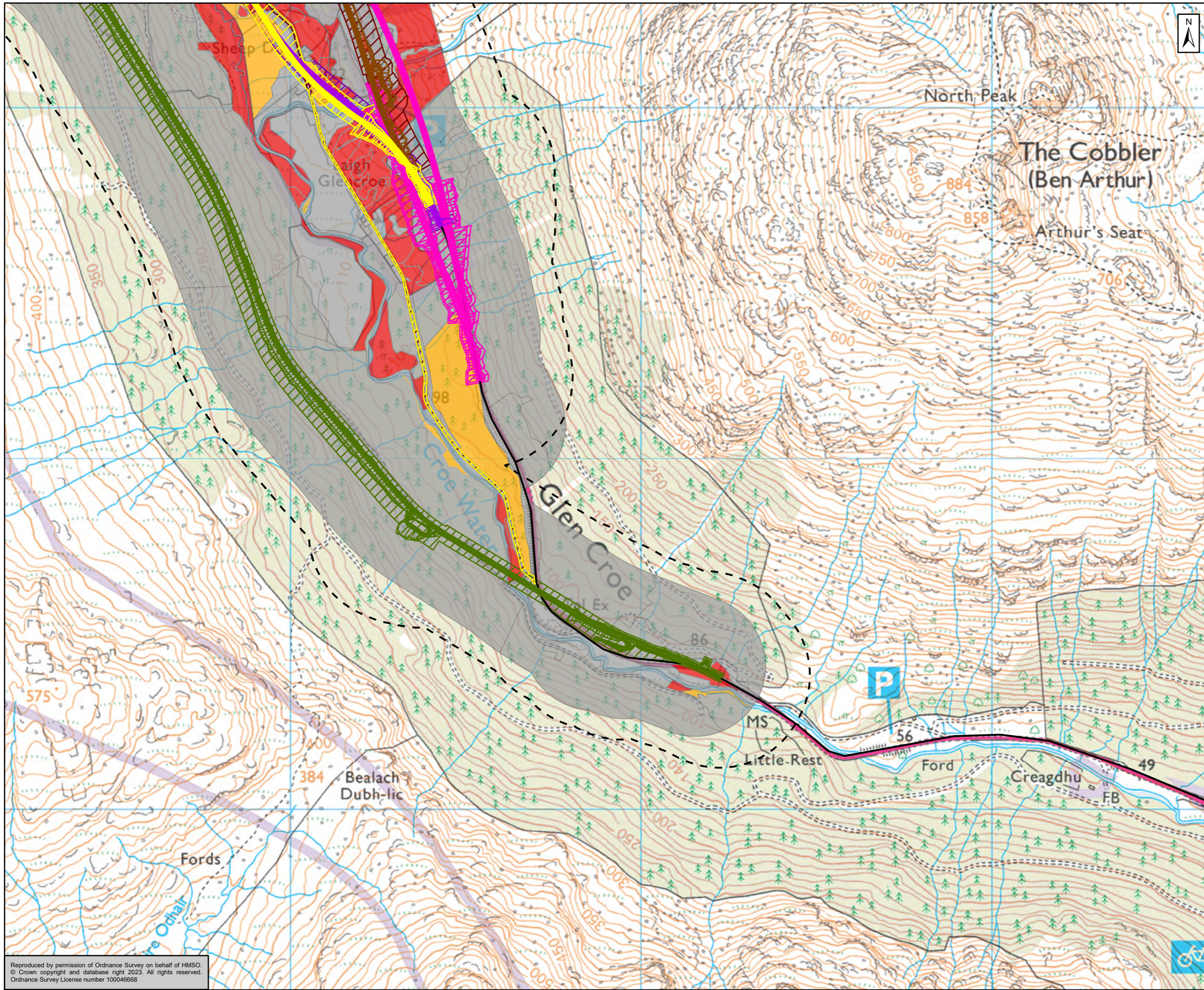
Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.9  
Groundwater Dependent  
Terrestrial Ecosystems  
Page 2 of 3

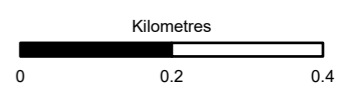
|                 |                                     |       |            |         |        |          |          |            |    |
|-----------------|-------------------------------------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale           | 1:10,000                            | Drawn | HM         | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number | Project                             |       | Originator |         | Volume |          | Revision |            |    |
|                 | A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000120 |       |            |         |        |          | P01      |            |    |
| Location        | Type                                | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668



- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▭ Pink Option Works Boundary
- ▭ Green Option Works Boundary
- ▭ Brown Option Works Boundary
- ▭ Yellow Option Works Boundary
- ▭ Purple Option Works Boundary
- - - Scheme Options – 250m Study Area

- GWDE Final Ranking**
- Potentially Highly Dependant GWDE
  - Potentially Moderately Dependant GWDE
  - No GWDE



Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 8.9  
Groundwater Dependent  
Terrestrial Ecosystems  
Page 3 of 3

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:10,000 | Drawn | HM         | Checked | MA     | Approved | SB       | Authorised | DC |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-EGT-LTS_GEN-DR-VT-000120 | P01      |       | P01        |         | P01    |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668

---

This page is blank.

---

## 9. Chapter 9 – Material Assets and Waste

Not Used

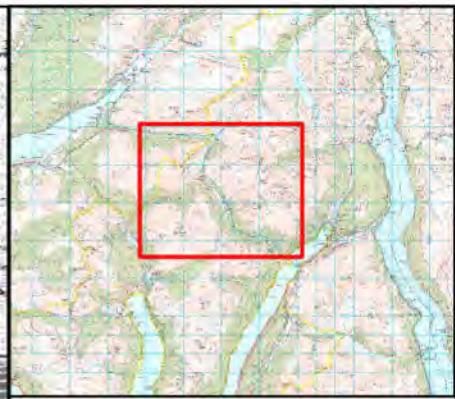
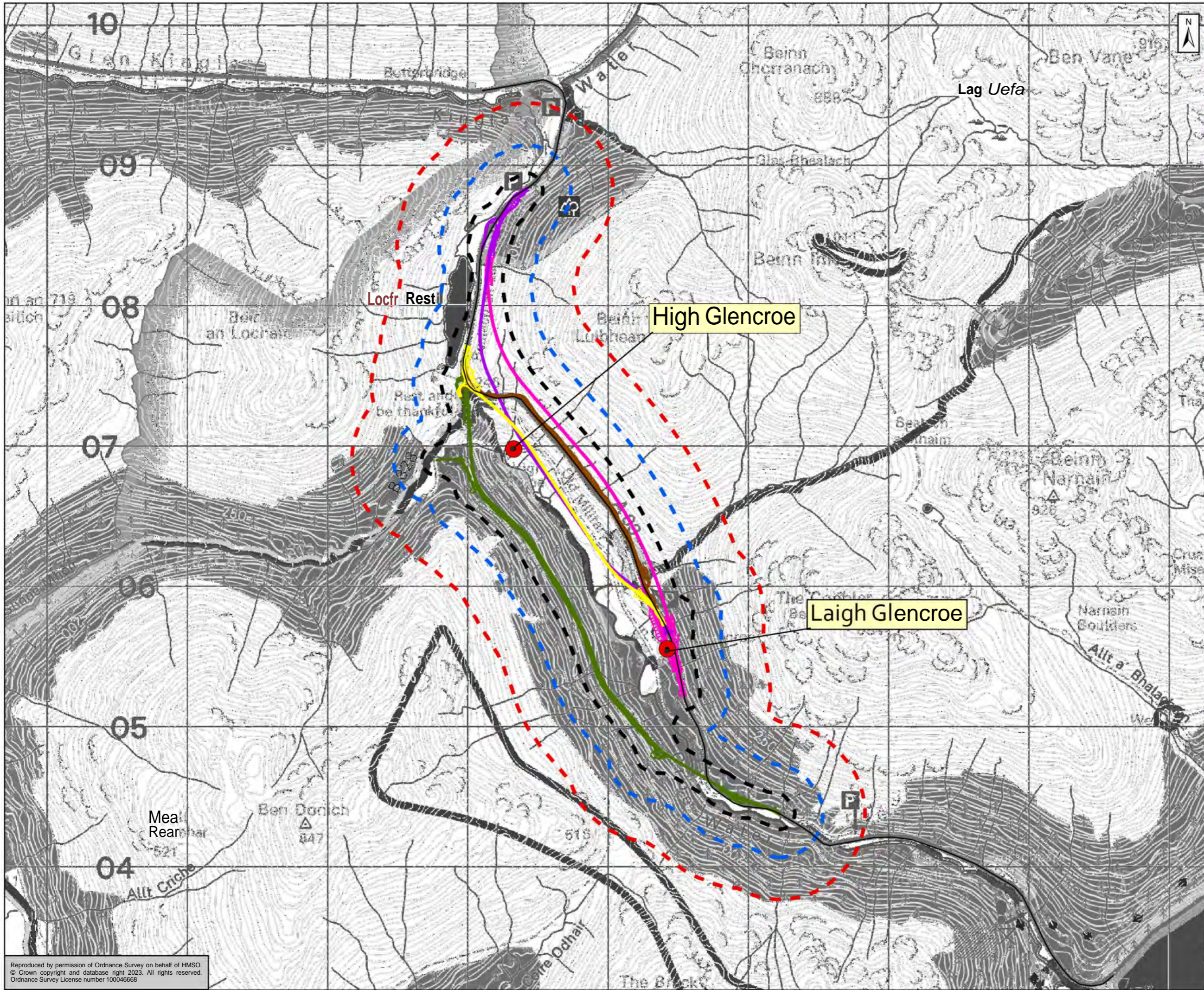
---

This page is blank.

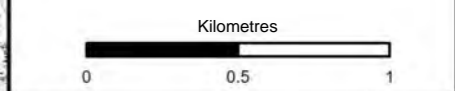


---

## 10. Chapter 10 – Noise and Vibration



- Noise and Vibration Sensitive Receptors
- Existing A83 Trunk Road
- Pink Option
- Green Option
- Brown Option
- Yellow Option
- Purple Option
- ▬ Construction Vibration Study Area
- ▬ Construction Noise Study Area
- ▬ Operational Noise Study Area



Authorised and Accepted - Stage 2 A2



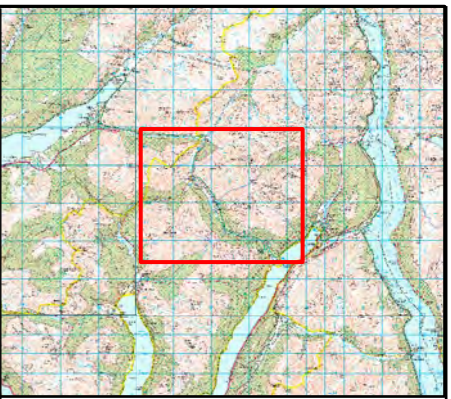
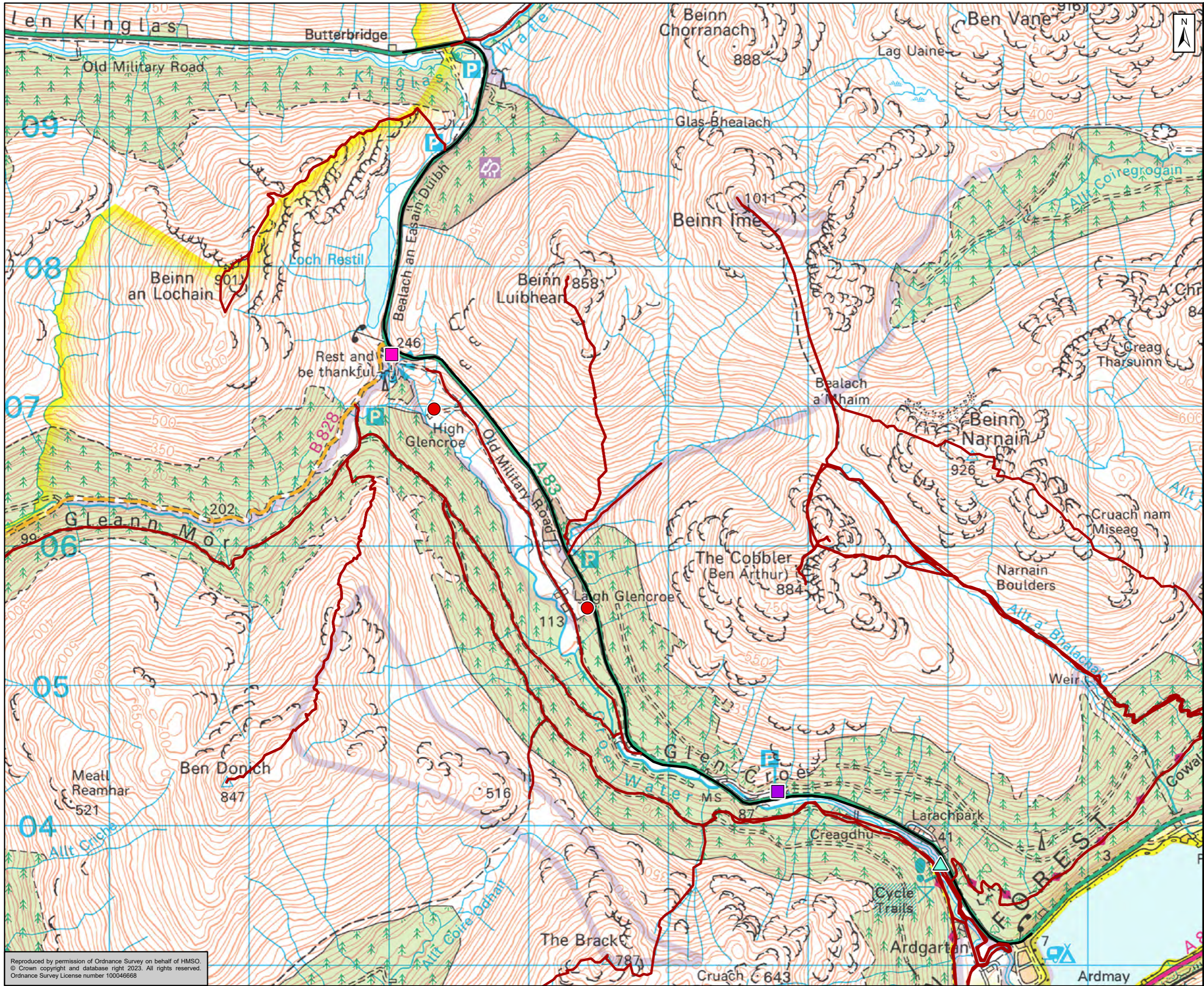
Figure 10.1  
Noise & Vibration Receptors  
Page 1 of 1

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:25,000 | Drawn | KKK        | Checked | MH     | Approved | RB       | Authorised | SB |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-ENV-LTS_GEN-DR-VT-000128 |          | P01   |            | P01     |        | P01      |          |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

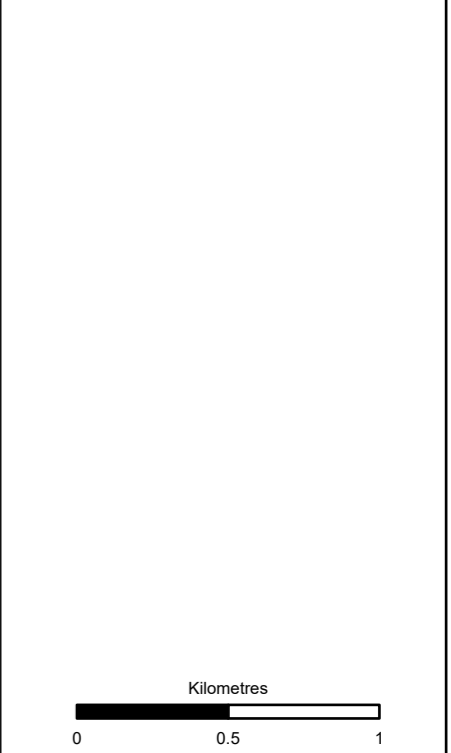
Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668

---

## 11. Chapter 11 – Population and Human Health



- Residential Receptors
- Rest and Be Thankful Car Park
- ▲ Ardgarten Visitor Center
- Honeymoon Bridge Car Park
- Existing A83 Trunk Road
- Walking Trails



Subsidiary: Authored and Accepted - Stage 2 Status: A2



Figure 11.1  
Population and Human  
Health Receptors  
Page 1 of 1

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:25,000 | Drawn | HM         | Checked | LH     | Approved | PM       | Authorised | XX |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-ETS-LTS_GEN-DR-VT-000141 |          |       |            |         |        |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO.  
© Crown copyright and database right 2023. All rights reserved.  
Ordnance Survey License number 100046668

---

## 12. Chapter 12 – Effects on Climate

Not Used

---

This page is blank.

---

## 13. Chapter 13 – Climate Vulnerability

Not Used

---

This page is blank.



## 14. Chapter 14 – Major Accidents and Disasters

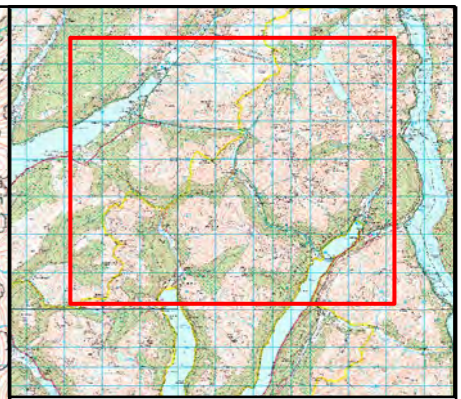
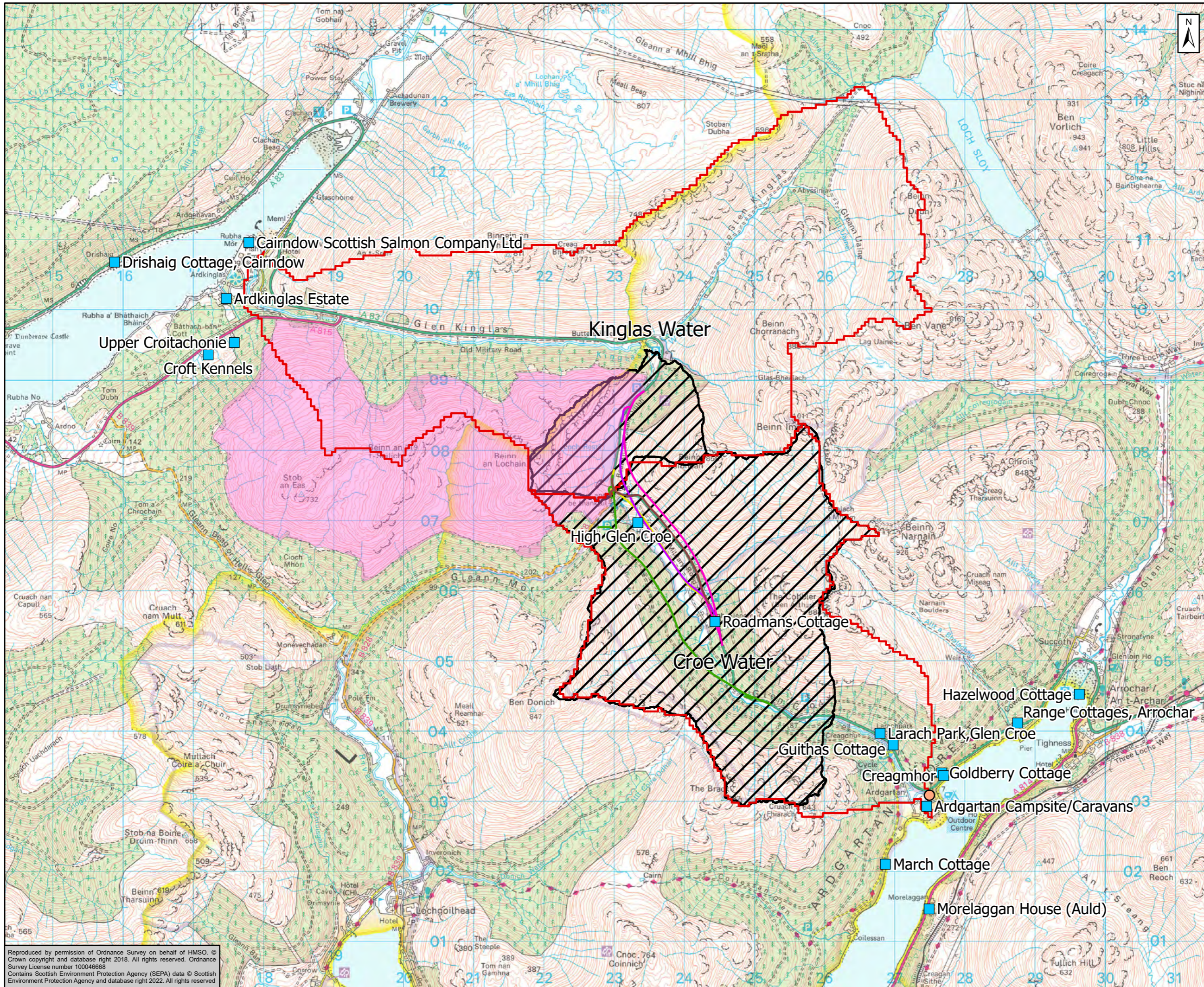
Not Used

---

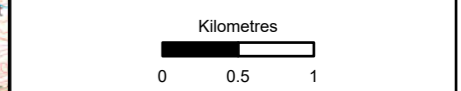
This page is blank.

---

## 15. Chapter 15 – Road Drainage and Water Environment



- Argyll & Bute Council - A83 Corridor PWS
- CAR Abstraction for Ardgartan Hotel
- Brown Option Centreline
- Green Option Centreline
- Pink Option Centreline
- Purple Option Centreline
- Yellow Option Centreline
- Beinn an Lochain SSSI
- Croe Water and Kinglas Water WFD Catchments
- Study Hydrological Extent



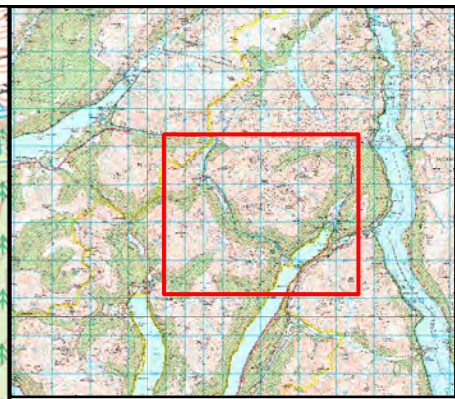
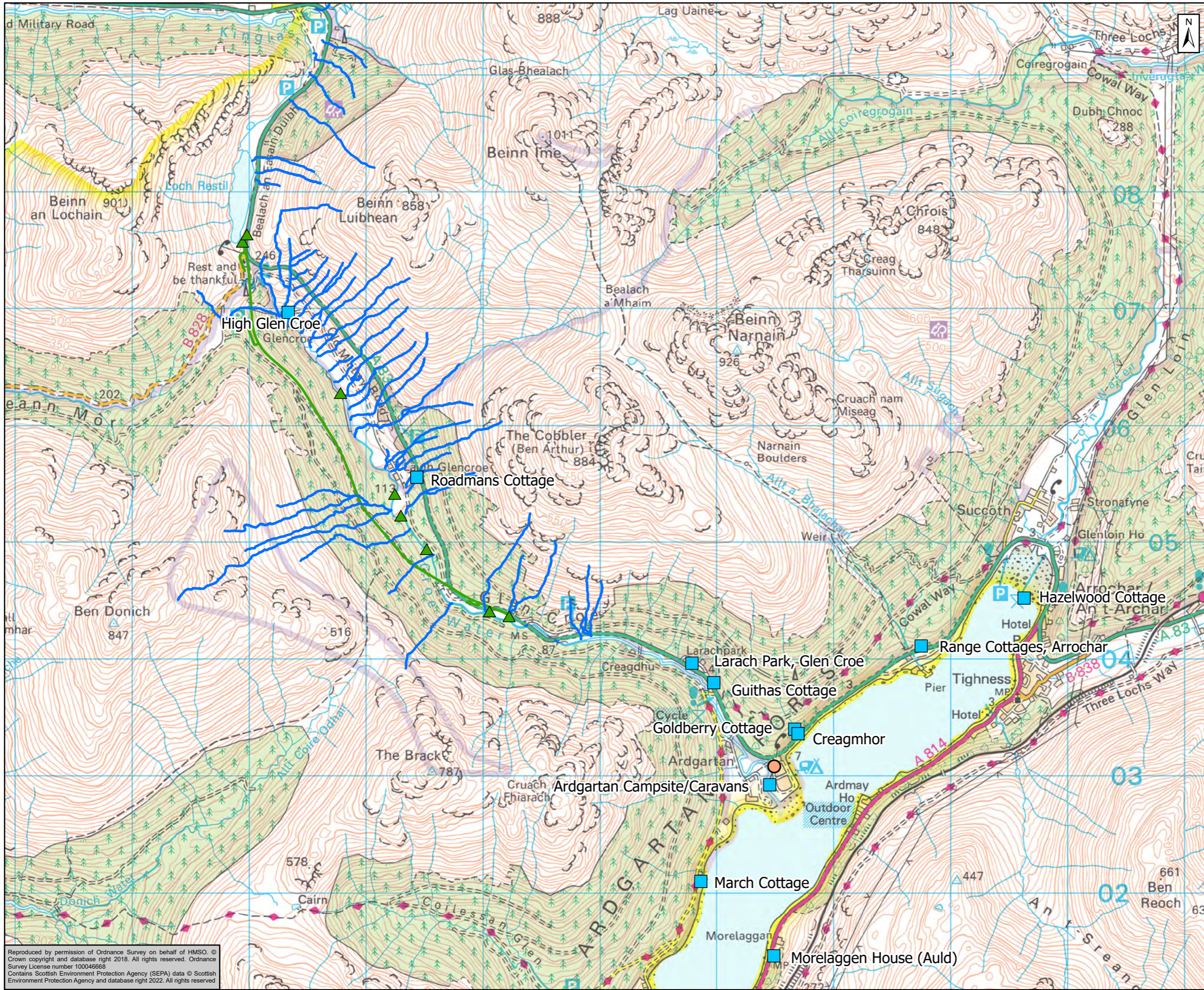
Author and Accepted – Stage 2 A2



**Figure 15.1**  
Hydrology Detail  
and WFD Catchments  
Page 1 of 1

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:50,000 | Drawn | MA         | Checked | HM     | Approved | SB       | Authorised | SB |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 |          |       |            |         |        |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668  
Contains Scottish Environment Protection Agency (SEPA) data © Scottish Environment Protection Agency and database right 2022. All rights reserved



- Argyll & Bute Council - A83 Corridor PWS
- CAR Abstraction for Ardgartan Hotel
- ▲ Green Option Drainage Outfalls
- Green Option Centreline
- Watercourses (1:25k only)



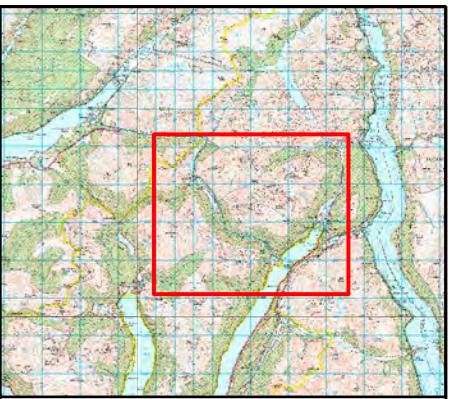
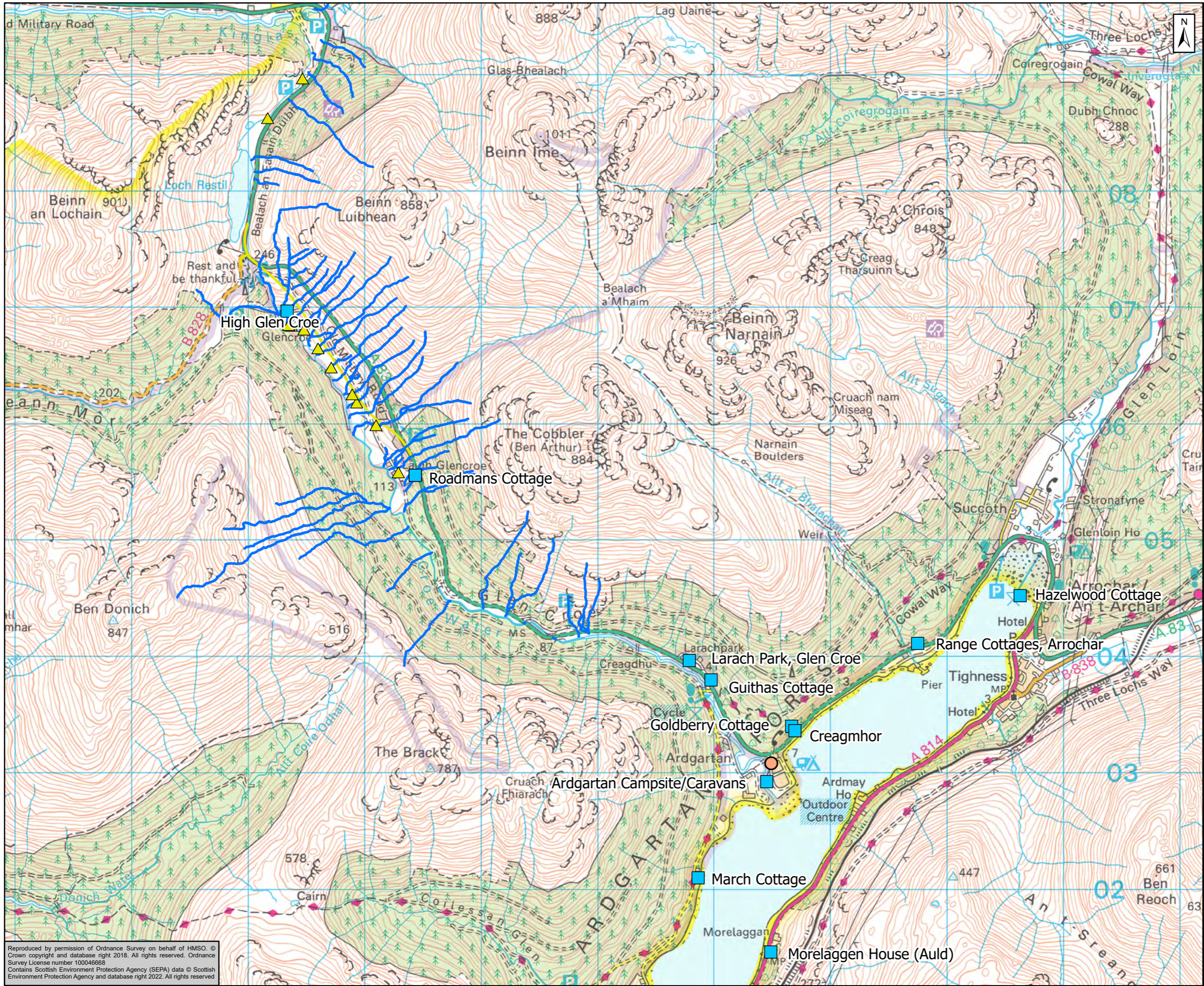
Subsidiary: Authored and Accepted – Stage 2 Status: A2



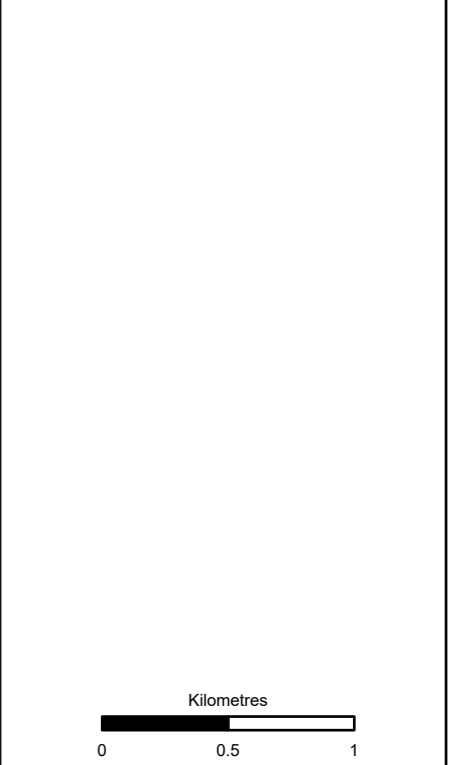
Figure 15.2a  
Hydrology Detail - Study Area  
Green Option  
Page 1 of 5

|  |  |   |   |                |
|--|--|---|---|----------------|
| Scale: 1:30,000                                      | Drawn: MA                                    | Checked: HM                                     | Approved: SB                                | Authorised: SB |
| Document Number: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Project: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Originator: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Volume: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Revision: P01  |
| Location:  | Type:  | Role:   | Number:                                     |                |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668  
Contains Scottish Environment Protection Agency (SEPA) data © Scottish Environment Protection Agency and database right 2022. All rights reserved



- Argyll & Bute Council - A83 Corridor PWS
- CAR Abstraction for Ardgartan Hotel
- ▲ Yellow Option Drainage Outfalls
- Yellow Option Centreline
- Watercourses (1:25k only)



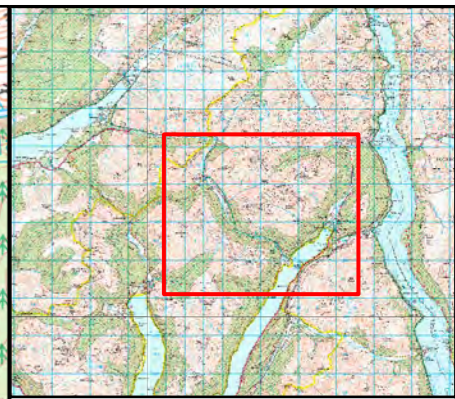
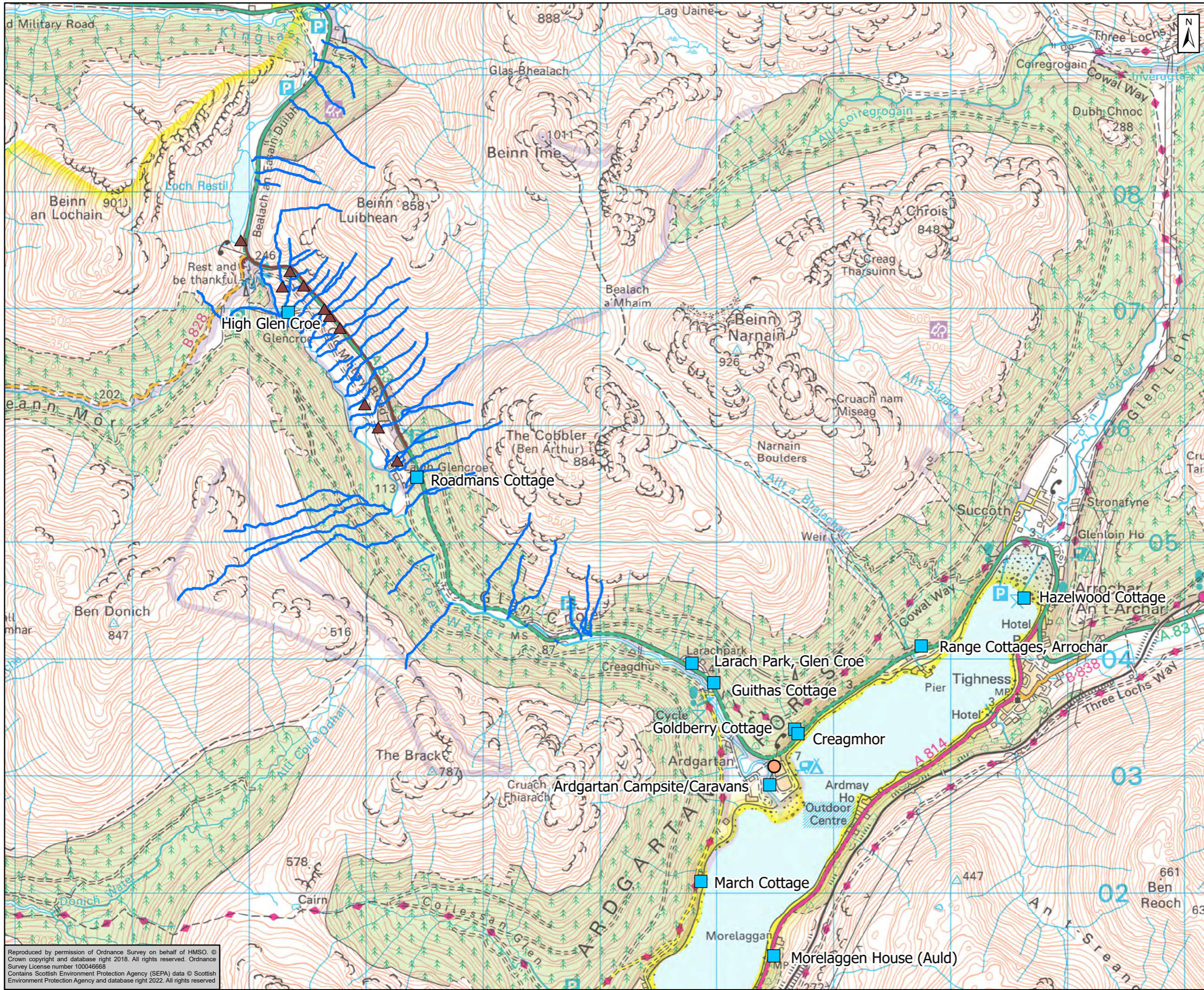
Subsidiary: Authored and Accepted – Stage 2 Status: A2



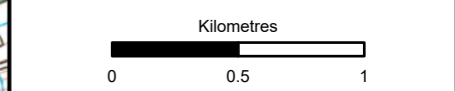
Figure 15.2b  
Hydrology Detail - Study Area  
Yellow Option  
Page 2 of 5

|  |  |   |   |                |
|--|--|---|---|----------------|
| Scale: 1:30,000                                      | Drawn: MA                                    | Checked: HM                                     | Approved: SB                                | Authorised: SB |
| Document Number: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Project: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Originator: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Volume: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Revision: P01  |
| Location:  | Type:  | Role:   | Number:                                     |                |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668  
Contains Scottish Environment Protection Agency (SEPA) data © Scottish Environment Protection Agency and database right 2022. All rights reserved



- Argyll & Bute Council - A83 Corridor PWS
- CAR Abstraction for Ardgartan Hotel
- ▲ Brown Option Drainage Outfalls
- Brown Option Centreline
- Watercourses (1:25k only)



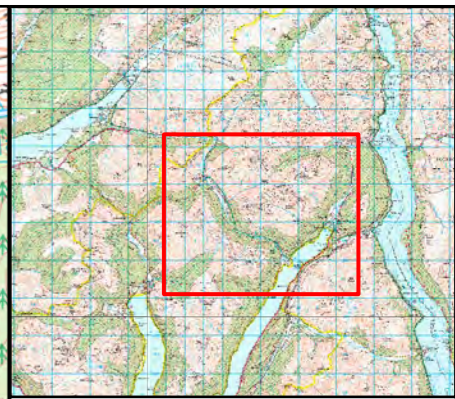
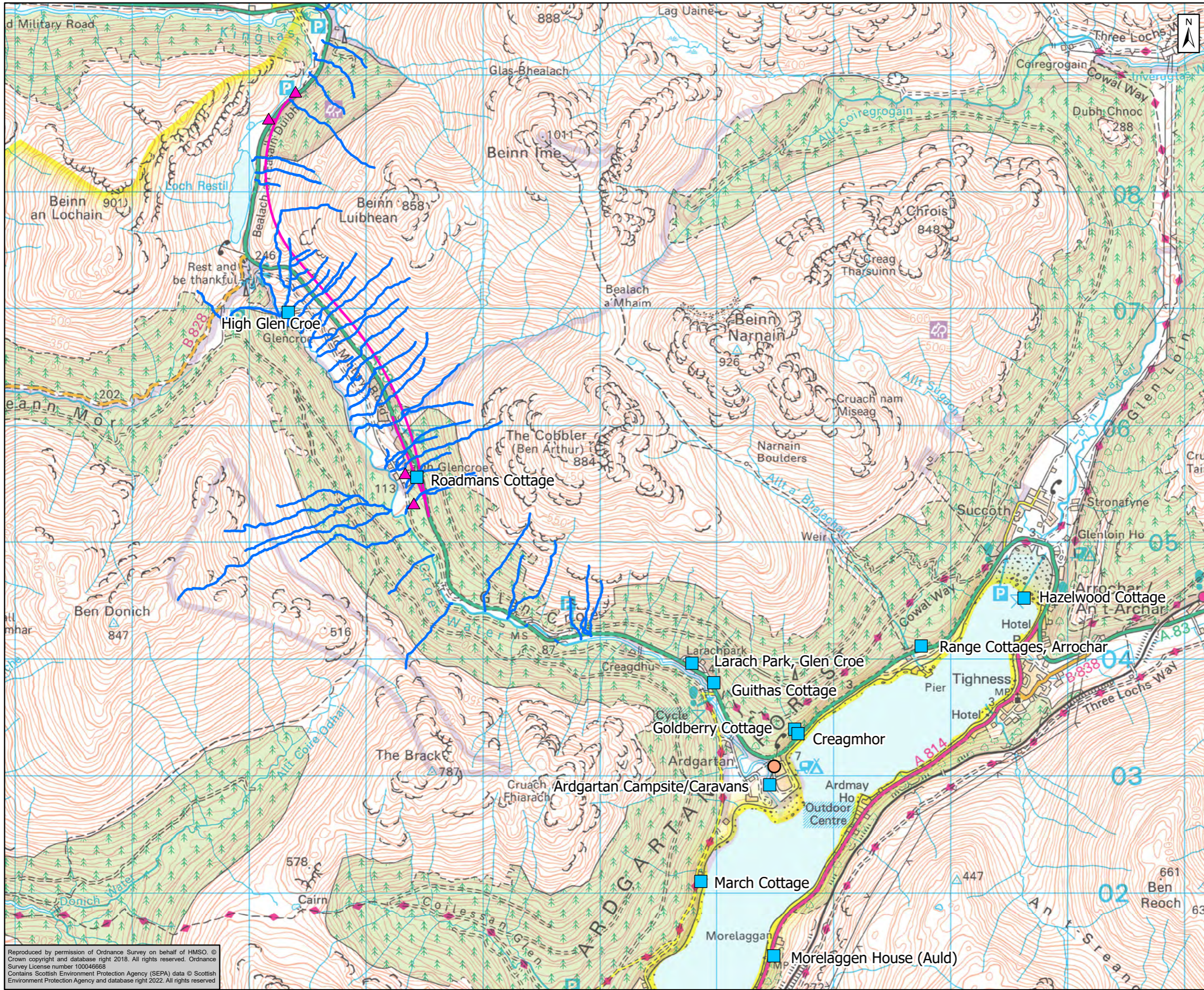
Subsidiary: Authored and Accepted – Stage 2 Status: A2



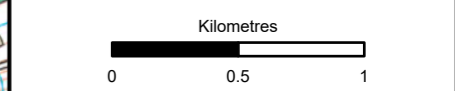
Figure 15.2c  
Hydrology Detail - Study Area  
Brown Option  
Page 3 of 5

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:30,000 | Drawn | MA         | Checked | HM     | Approved | SB       | Authorised | SB |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 |          |       |            |         |        |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668  
Contains Scottish Environment Protection Agency (SEPA) data © Scottish Environment Protection Agency and database right 2022. All rights reserved



- Argyll & Bute Council - A83 Corridor PWS
- CAR Abstraction for Ardgartan Hotel
- ▲ Pink Option Drainage Outfalls
- Pink Option Centreline
- Watercourses (1:25k only)



Subsidiary: Authored and Accepted – Stage 2 Status: A2

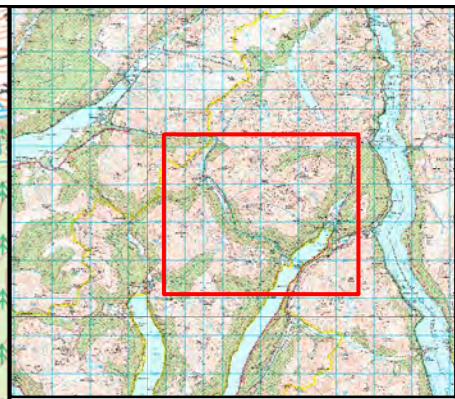
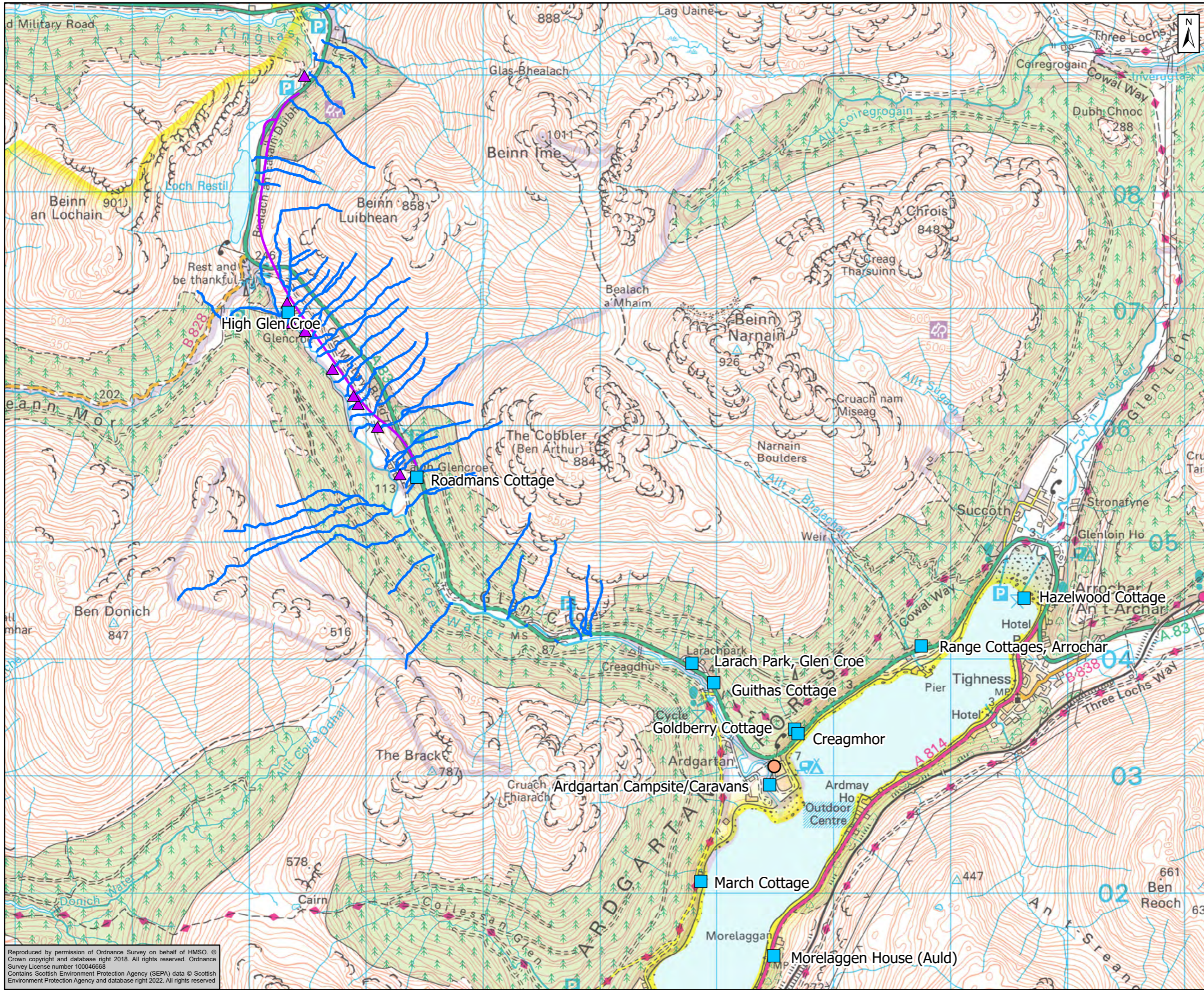


Figure 15.2d  
Hydrology Detail - Study Area  
Pink Option  
Page 4 of 5

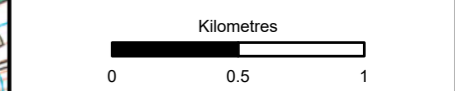
|  |  |   |   |                |
|--|--|---|---|----------------|
| Scale: 1:30,000                                      | Drawn: MA                                    | Checked: HM                                     | Approved: SB                                | Authorised: SB |
| Document Number: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Project: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Originator: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Volume: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 | Revision: P01  |
| Location:  | Type:  | Role:   | Number:                                     |                |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668  
Contains Scottish Environment Protection Agency (SEPA) data © Scottish Environment Protection Agency and database right 2022. All rights reserved





- Argyll & Bute Council - A83 Corridor PWS
- CAR Abstraction for Ardgartan Hotel
- ▲ Purple Option Drainage Outfalls
- Purple Option Centreline
- Watercourses (1:25k only)



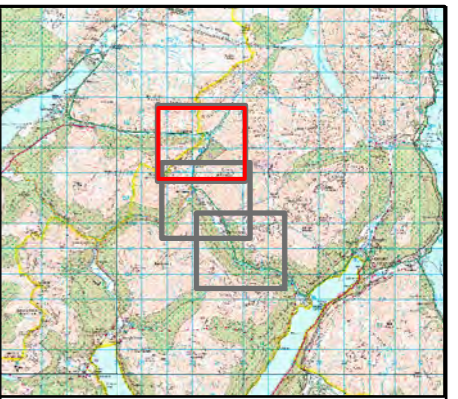
Subsidiary: Authored and Accepted – Stage 2 Status: A2



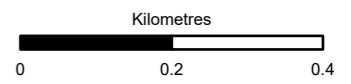
Figure 15.2e  
Hydrology Detail - Study Area  
Purple Option  
Page 5 of 5

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:30,000 | Drawn | MA         | Checked | HM     | Approved | SB       | Authorised | SB |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000102 |          |       |            |         |        |          |          | P01        |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved. Ordnance Survey License number 100046668  
Contains Scottish Environment Protection Agency (SEPA) data © Scottish Environment Protection Agency and database right 2022. All rights reserved



- Yellow Option Centerline
  - Purple Option Centerline
  - Pink Option Centerline
  - Green Option Centerline
  - Brown Option Centerline
- Lidar Gradients (Degrees)**
- 1 - 5
  - 6 - 19
  - 20 - 32
  - 33 - 46
  - 47 - 60
  - 61 - 90



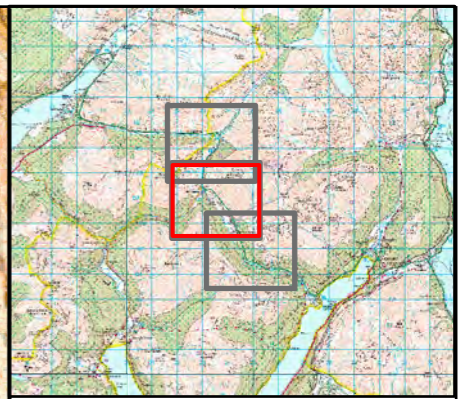
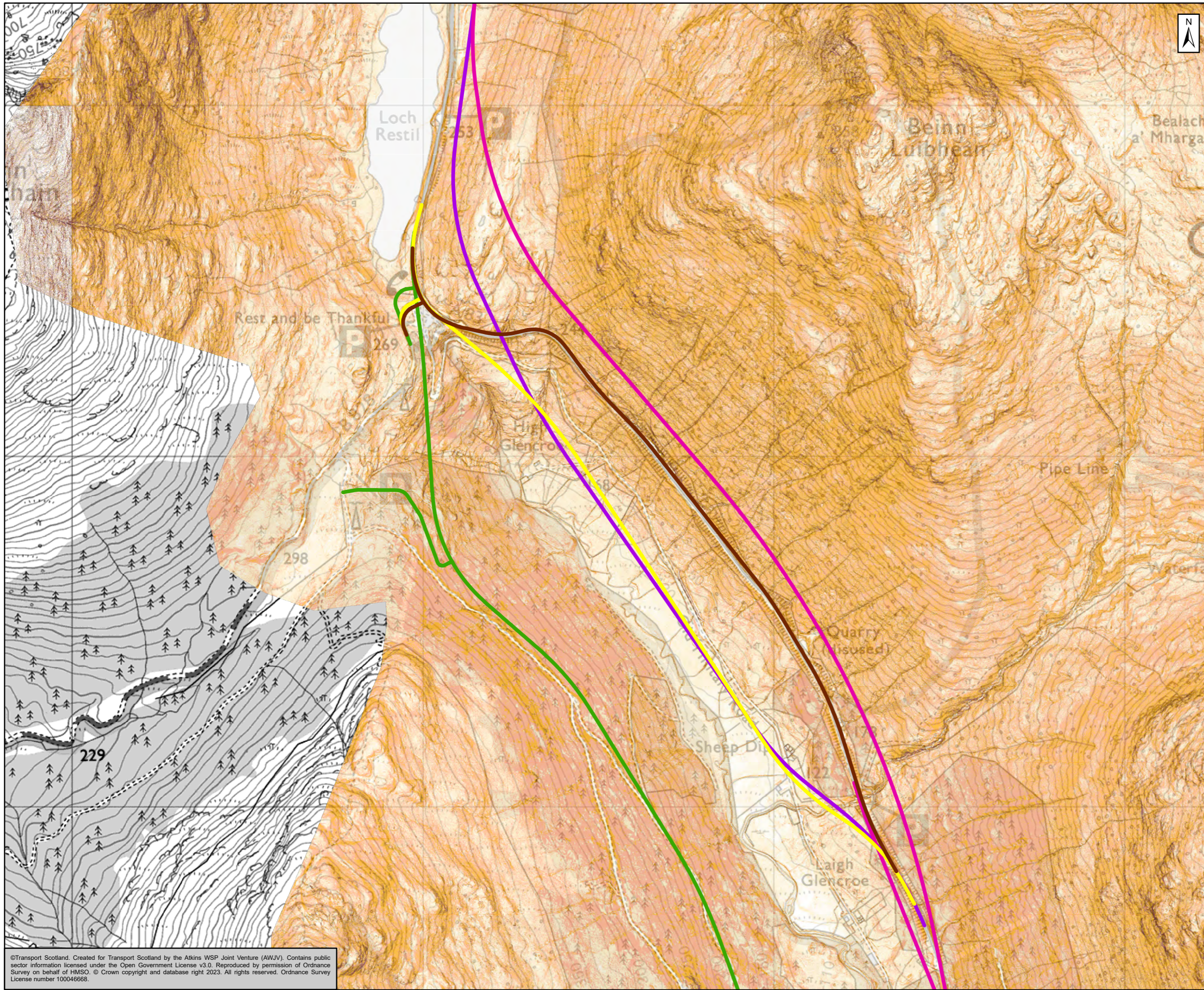
Subsidiary: Authored and Accepted – Stage 2 Status: A2



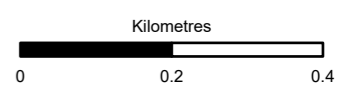
Figure 15.3  
Slope Gradient  
Page 1 of 3

|                                     |          |       |            |         |        |          |          |            |    |
|-------------------------------------|----------|-------|------------|---------|--------|----------|----------|------------|----|
| Scale                               | 1:10,000 | Drawn | AM         | Checked | HM     | Approved | SB       | Authorised | SB |
| Document Number                     | Project  |       | Originator |         | Volume |          | Revision |            |    |
| A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000103 |          |       |            |         |        |          | P01      |            |    |
| Location                            | Type     | Role  | Number     |         |        |          |          |            |    |

©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668.



- Yellow Option Centerline
  - Purple Option Centerline
  - Pink Option Centerline
  - Green Option Centerline
  - Brown Option Centerline
- Lidar Gradients (Degrees)**
- 1 - 5
  - 6 - 19
  - 20 - 32
  - 33 - 46
  - 47 - 60
  - 61 - 90



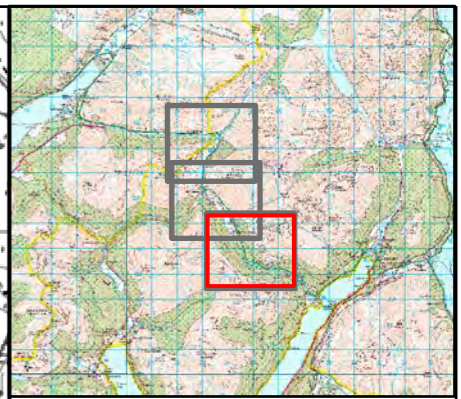
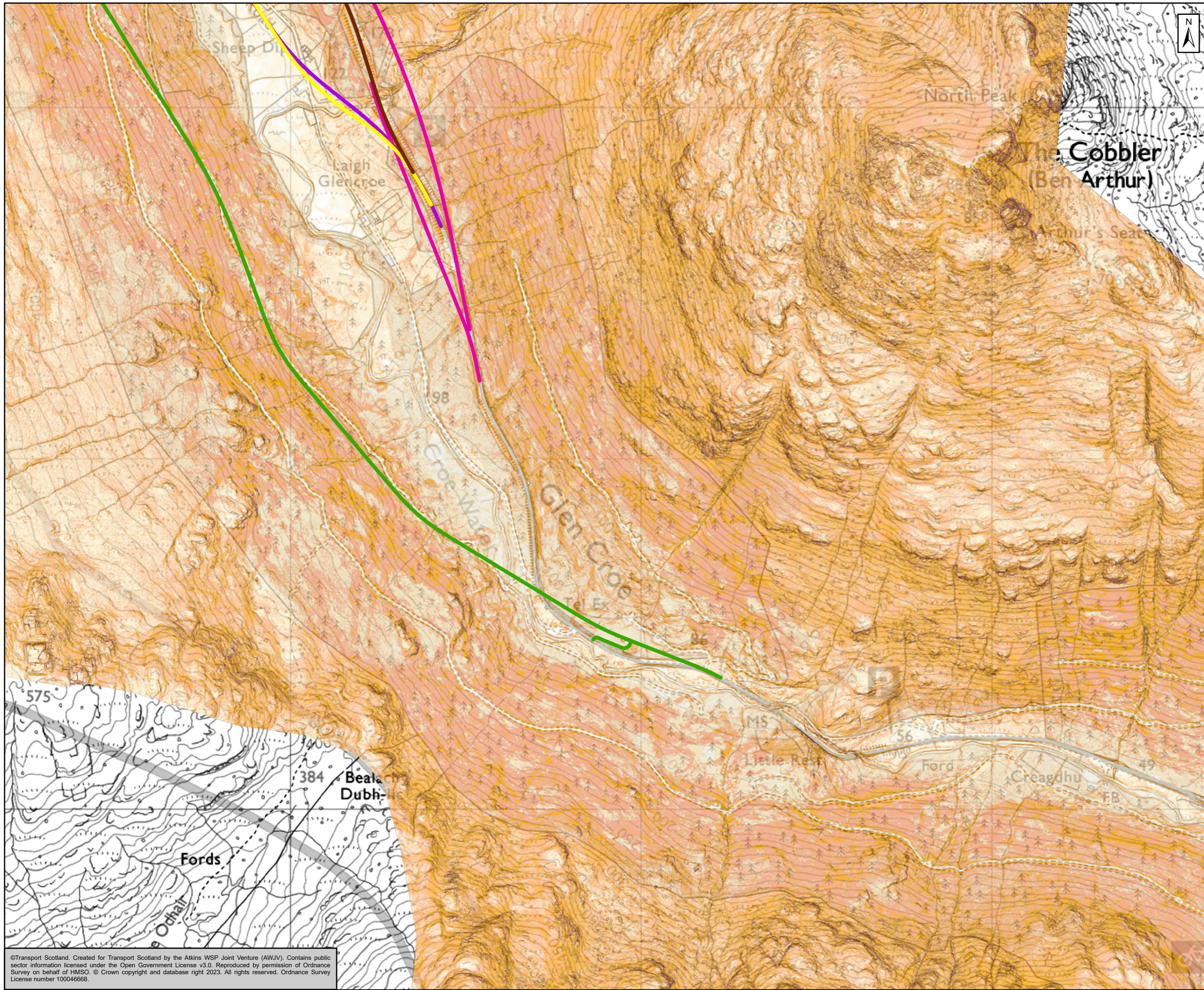
Status: FINAL Subsidiary: S1



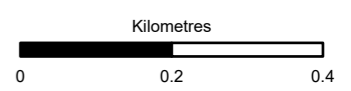
**Figure 15.3**  
Slope Gradient  
Page 2 of 3

|  |  |                     |                 |                |
|--|--|---------------------|-----------------|----------------|
| Scale: 1:10,000                                      | Drawn: AM                                    | Checked: HM         | Approved: SB    | Authorised: SB |
| Document Number: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000103 | Project: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000103 | Originator: [Blank] | Volume: [Blank] | Revision: P01  |
| Location: [Blank]                                    | Type: [Blank]                                | Role: [Blank]       | Number: [Blank] | [Blank]        |

©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668.



- Yellow Option Centerline
  - Purple Option Centerline
  - Pink Option Centerline
  - Green Option Centerline
  - Brown Option Centerline
- Lidar Gradients (Degrees)**
- 1 - 5
  - 6 - 19
  - 20 - 32
  - 33 - 46
  - 47 - 60
  - 61 - 90



Status: FINAL      Submittal: S1

Client: **TRANSPORT SCOTLAND**  
COMHDHAIL ALBA

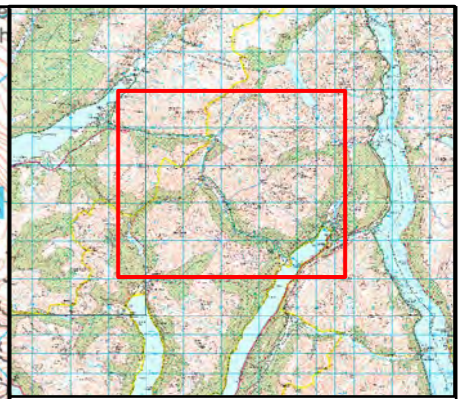
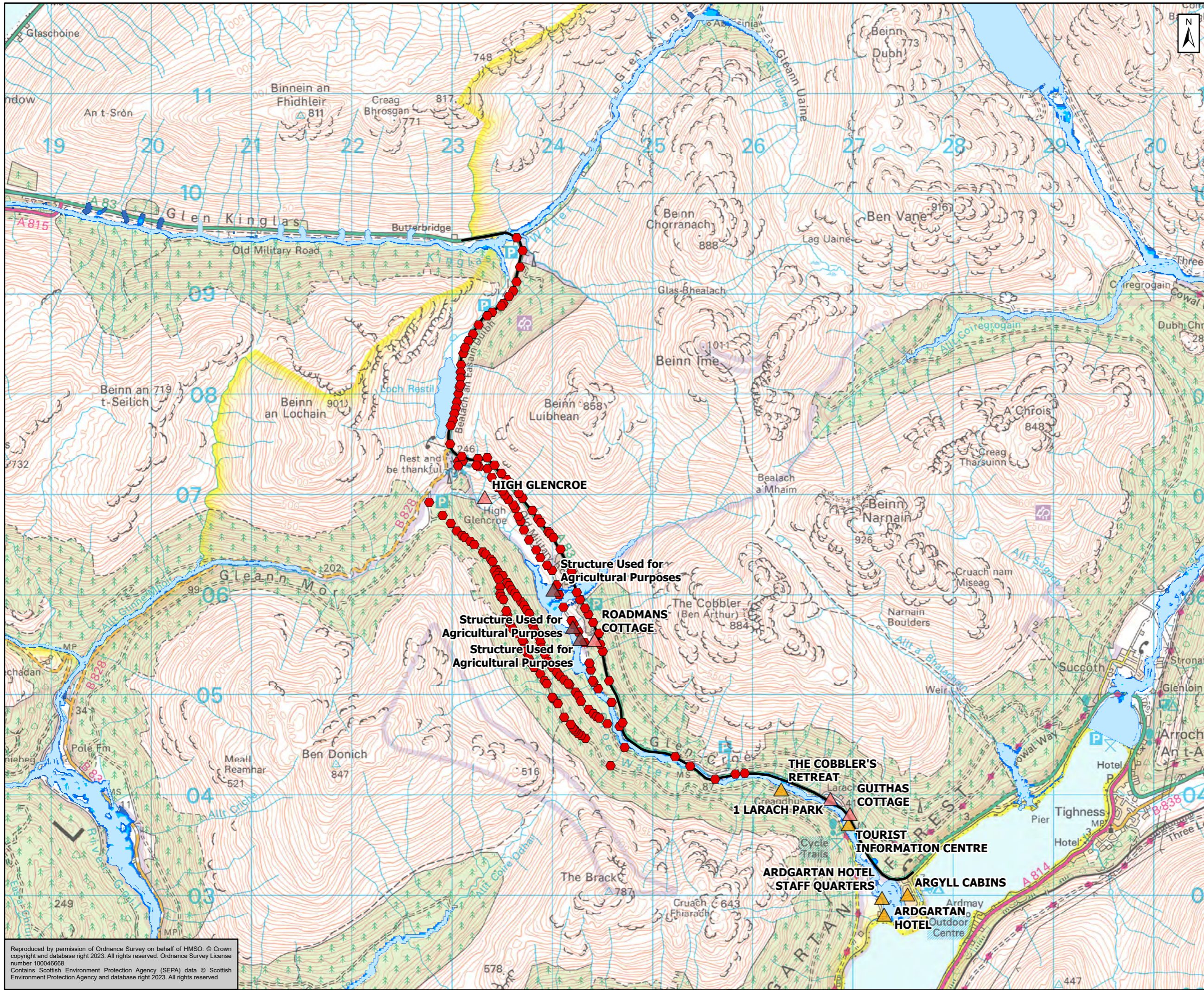
**ACCESS ARGYLL & BUTE [A83]**

**ATKINS WSP**  
Member of the SNC-Lavalin Group

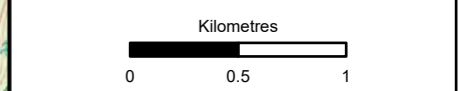
Figure 15.3  
Slope Gradient  
Page 3 of 3

|  |  |   |   |                |
|--|--|---|---|----------------|
| Scale: 1:10,000                                      | Drawn: AM                                    | Checked: HM                                     | Approved: SB                                | Authorised: SB |
| Document Number: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000103 | Project: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000103 | Originator: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000103 | Volume: A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000103 | Revision: P01  |
| Location:  | Type:  | Role:   | Number:                                     |                |

©Transport Scotland. Created for Transport Scotland by the Atkins WSP Joint Venture (AWJV). Contains public sector information licensed under the Open Government License v3.0. Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668.



- Identified Culvert and Bridge Crossings
- Flood Receptors**
- ▲ Tourism
- ▲ Residential
- ▲ Agricultural
- Existing A83 Trunk Road
- 1 in 10 year (1% AEP) - Maximum Flood Extent - SEPA
- 1 in 200 year (0.5% AEP) - Maximum Flood Extent - SEPA
- 1 in 1000 year (0.1% AEP) - Maximum Flood Extent - SEPA



Author and Accepted – Stage 2 A2



Figure 15.4  
Baseline Flood Risk  
Page 1 of 1

|                                     |          |       |            |         |    |          |    |            |    |
|-------------------------------------|----------|-------|------------|---------|----|----------|----|------------|----|
| Scale                               | 1:35,000 | Drawn | MA         | Checked | HM | Approved | SB | Authorised | SB |
| Document Number                     | Project  |       | Originator | Volume  |    | Revision |    |            |    |
| A83AAB-AWJ-HDG-LTS_GEN-DR-VT-000104 |          |       |            |         |    | P01      |    |            |    |
| Location                            | Type     | Role  | Number     |         |    |          |    |            |    |

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2023. All rights reserved. Ordnance Survey License number 100046668  
Contains Scottish Environment Protection Agency (SEPA) data © Scottish Environment Protection Agency and database right 2023. All rights reserved