

Beauly to Spittal



Figure 25
Raptor Winter Roost
VP Locations and Viewsheds
Map 2

Key

OHL Route Alignment and Tracks

- OHL Alignment
- Limit of Deviation for OHL (LoD)
- 500m buffer from LoD
- Tower
- Permanent access track
- Temporary access track
- Vantage Point

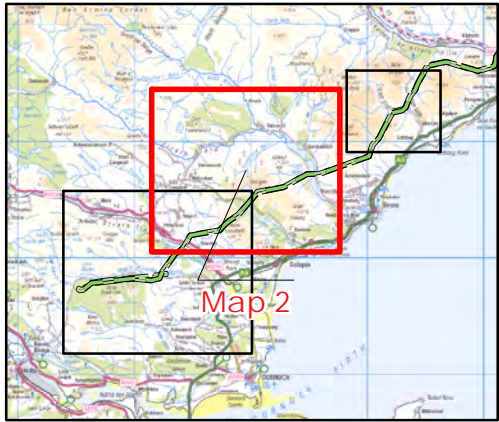
VP Viewshed

KT2/KT3	Ea2
KT1	Ea1
Ea3	

Generated using Ordnance Survey's Terrain 50 dataset that does not take into account the screening effects of buildings.

Observer height 1.5m above ground.
Viewshed height modelled 10m above ground.

Forestry has been used to screen visibility at a height of 10m using the Ordnance Survey OpenMapLocal Woodland dataset.

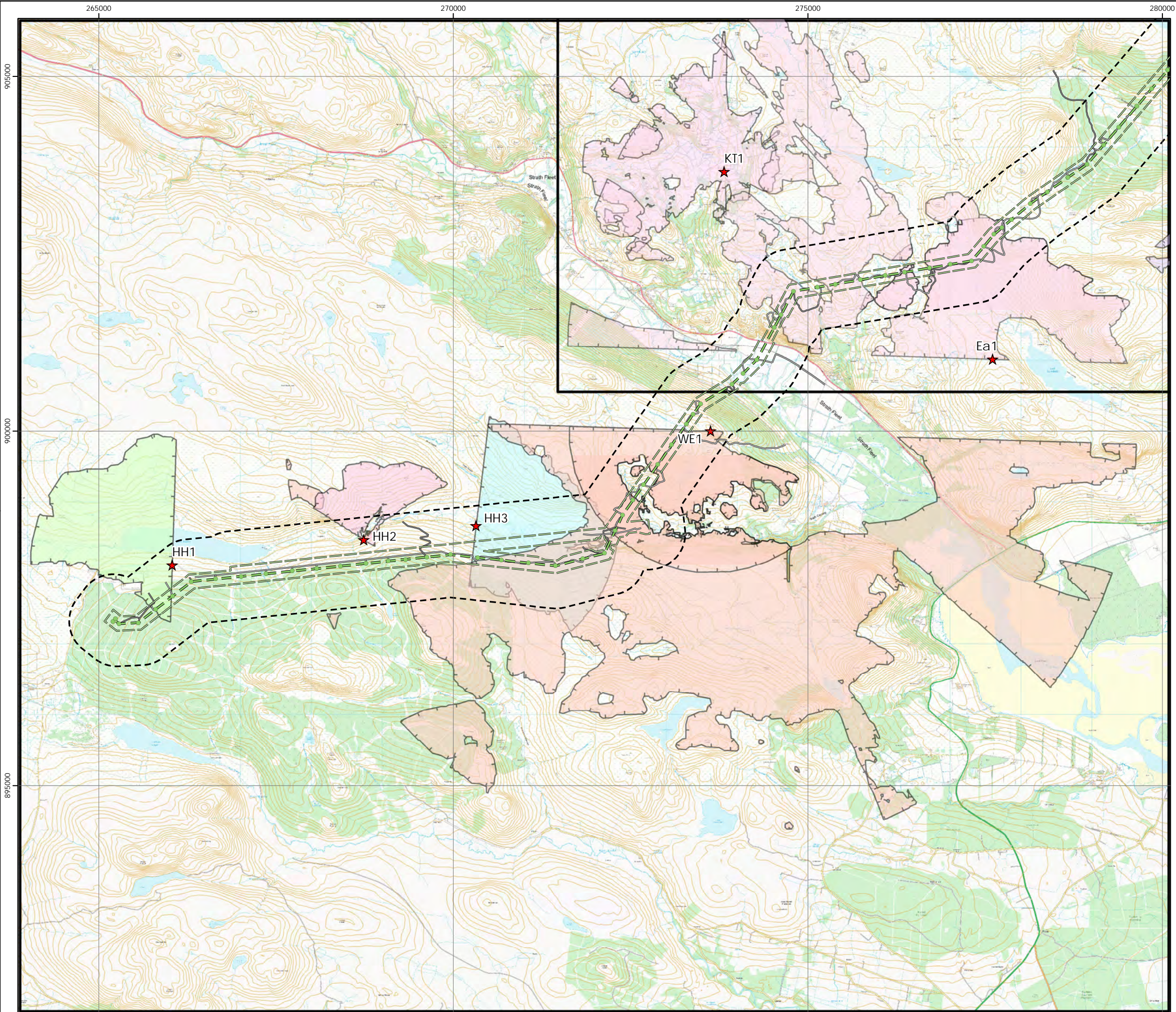


0 0.5 1
Kilometres

N

Scale @ A3:
1:50,000

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Beauly to Spittal



Figure 25
Raptor Winter Roost
VP Locations and Viewsheds
Map 3

Key

OHL Route Alignment and Tracks

- OHL Alignment
- Limit of Deviation for OHL (LoD)
- 500m buffer from LoD
- Tower
- Permanent access track
- Temporary access track
- Vantage Point

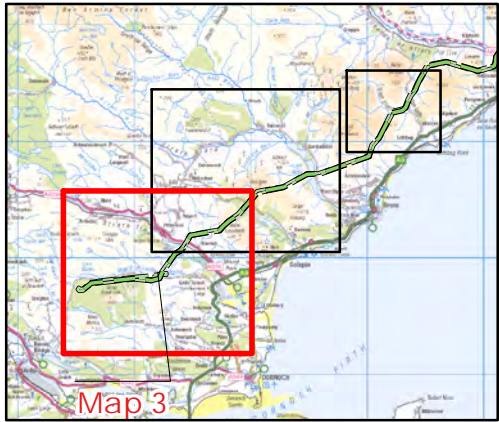
VP Viewshed

WE1	HH2
KT2/KT3	HH1
KT1	Ea1
HH3	

Generated using Ordnance Survey's Terrain 50 dataset that does not take into account the screening effects of buildings.

Observer height 1.5m above ground.
Viewshed height modelled 10m above ground.

Forestry has been used to screen visibility at a height of 10m using the Ordnance Survey OpenMapLocal Woodland dataset.



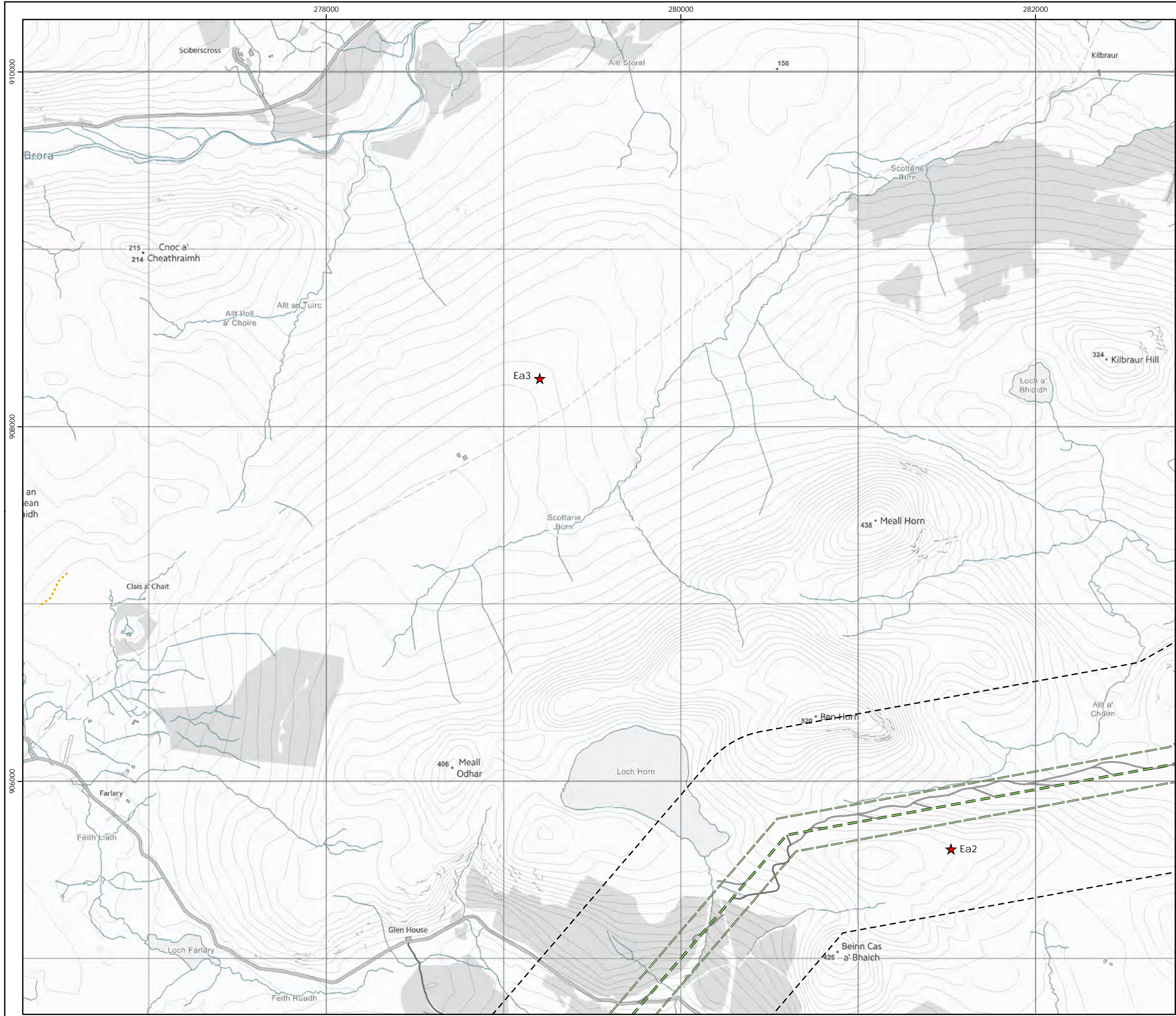
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Kilometres



Scale @ A3:
1:50,000



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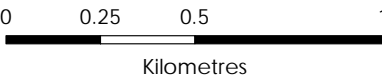
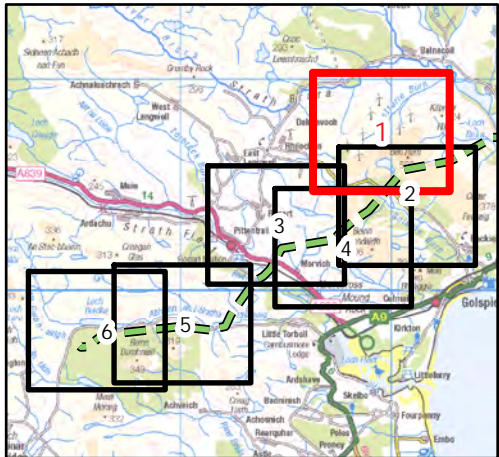


Beauly to Spittal



Figure 26a
Raptor Roost Activity
Kites, eagles and owls - Map 1

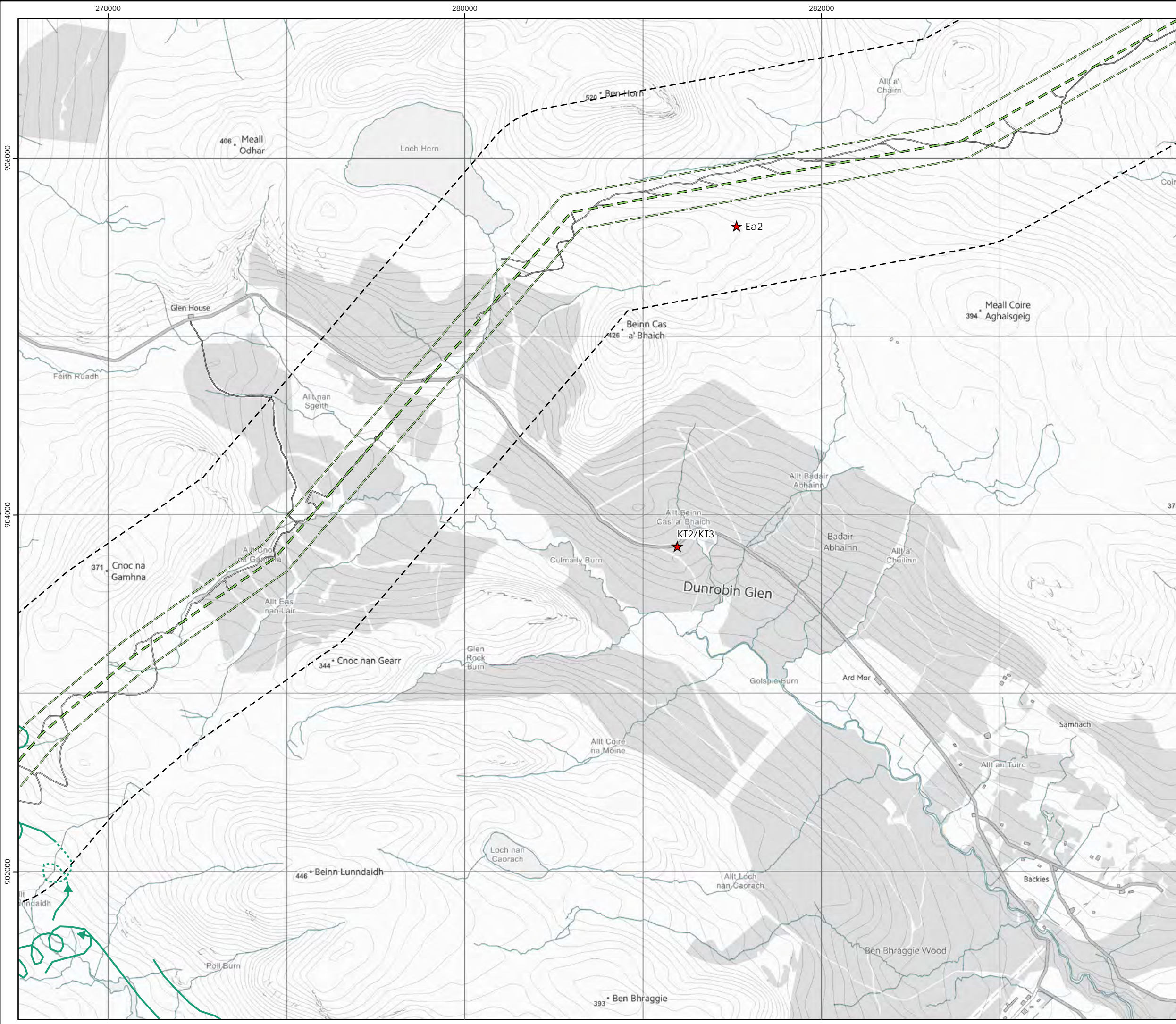
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Red kite
 - Barn owl
 - Short-eared owl
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
1:20,000



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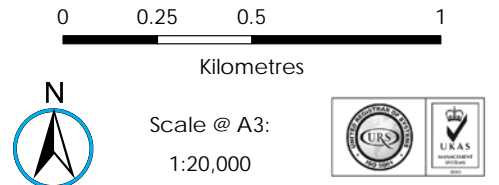
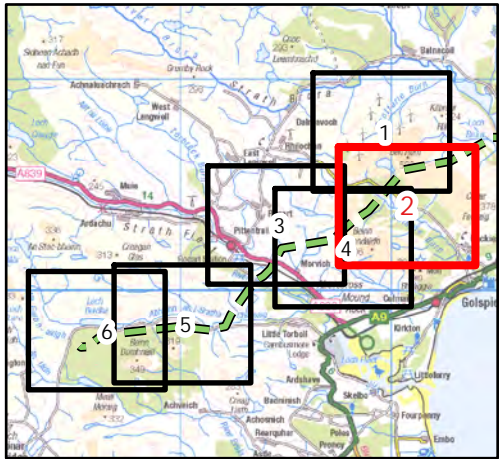


Beauly to Spittal

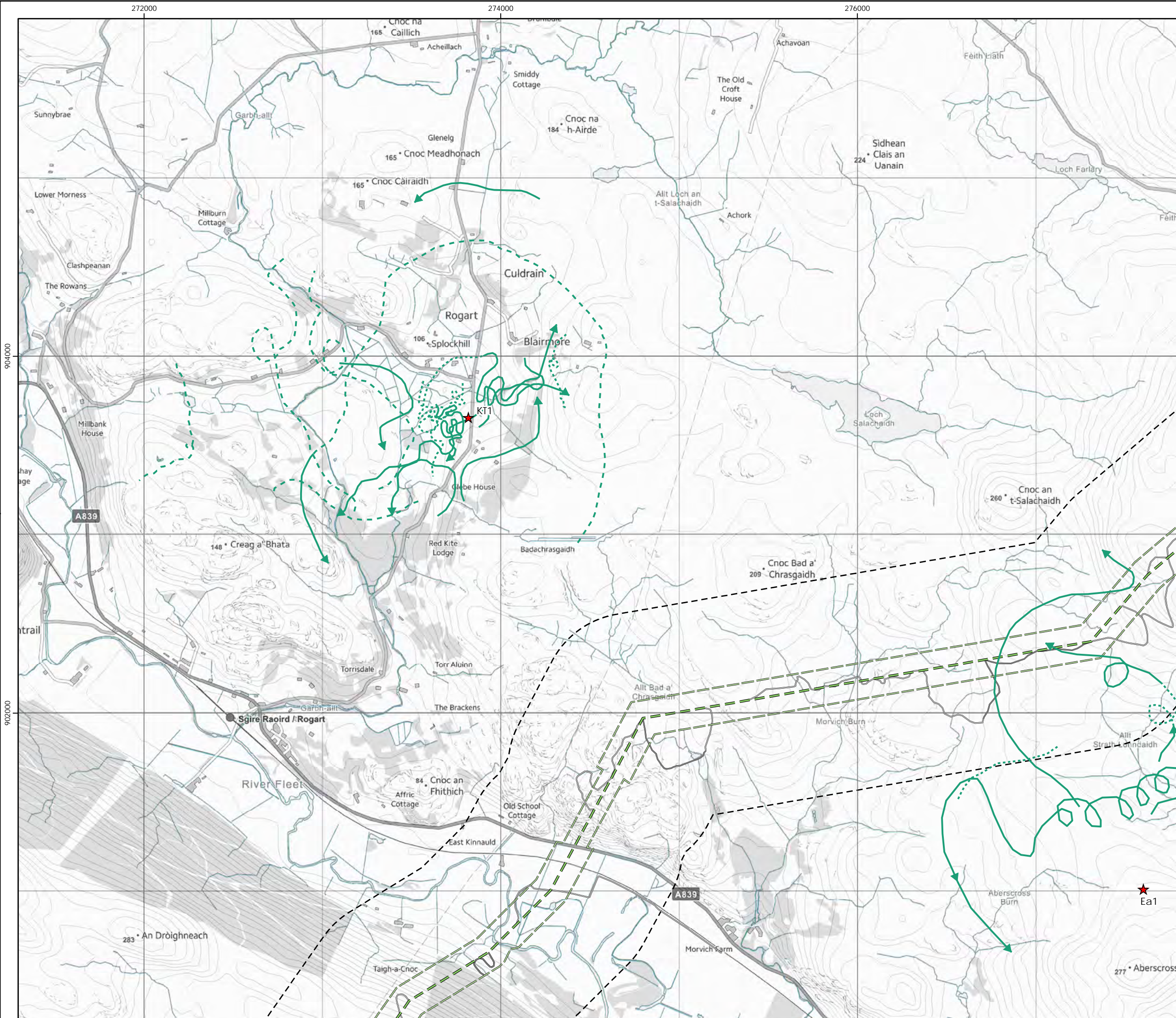


Figure 26a
Raptor Roost Activity
Kites, eagles and owls - Map 2

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Red kite
 - Barn owl
 - Short-eared owl
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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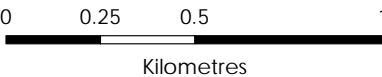
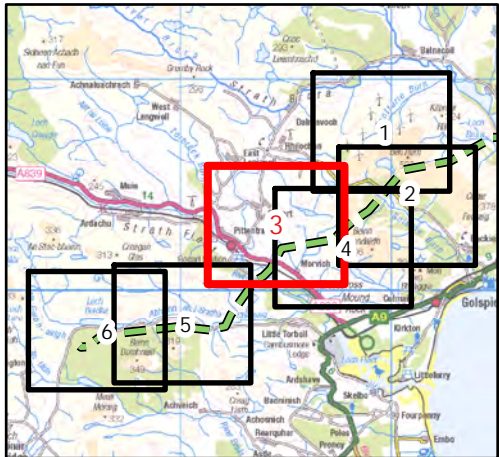


Beauly to Spittal



Figure 26a
Raptor Roost Activity
Kites, eagles and owls - Map 3

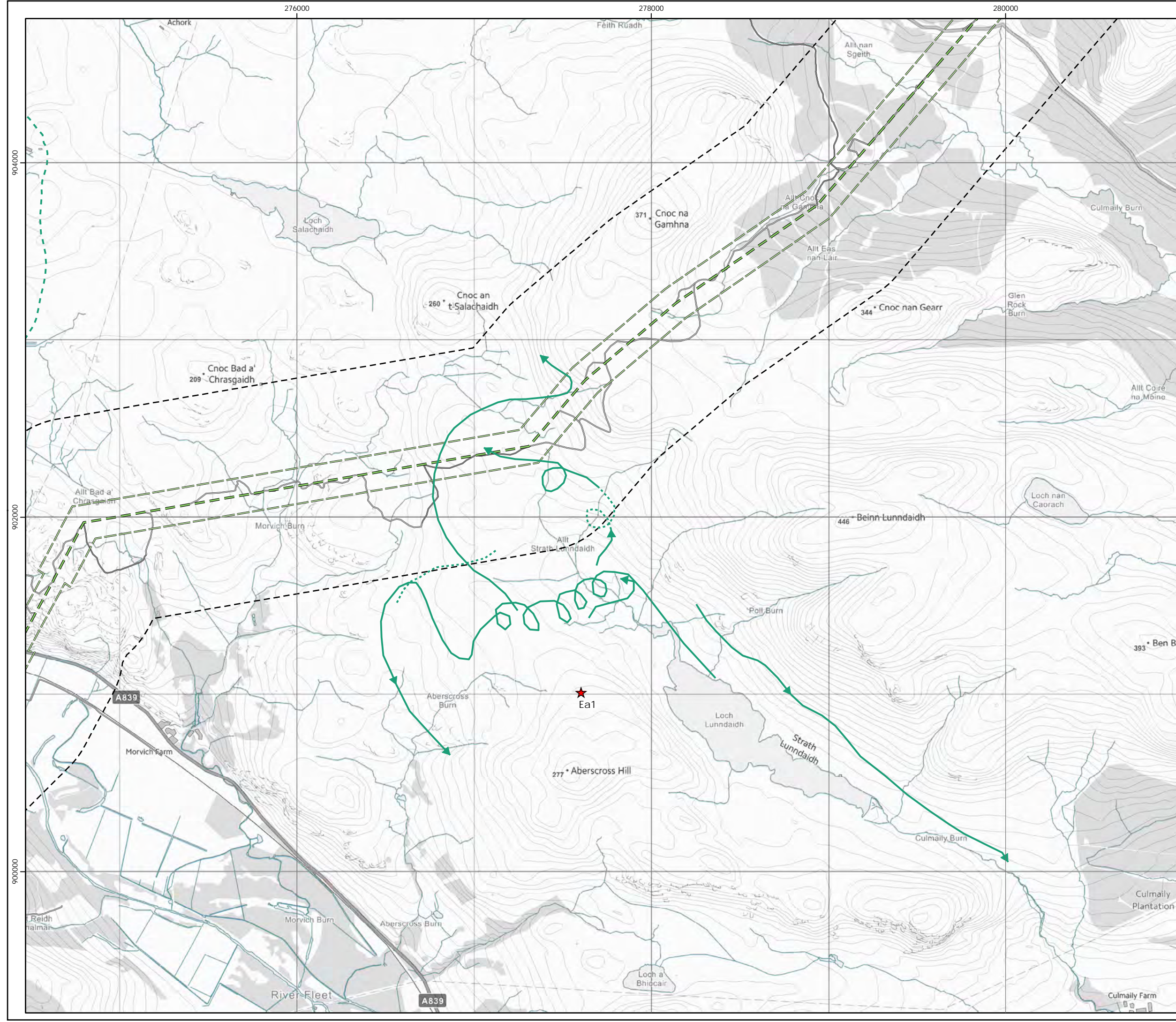
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Red kite
 - Barn owl
 - Short-eared owl
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
1:20,000



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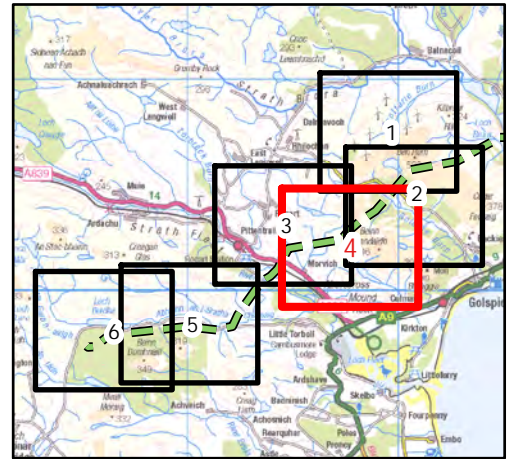


Beauly to Spittal



Figure 26a
Raptor Roost Activity
Kites, eagles and owls - Map 4

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Red kite
 - Barn owl
 - Short-eared owl
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



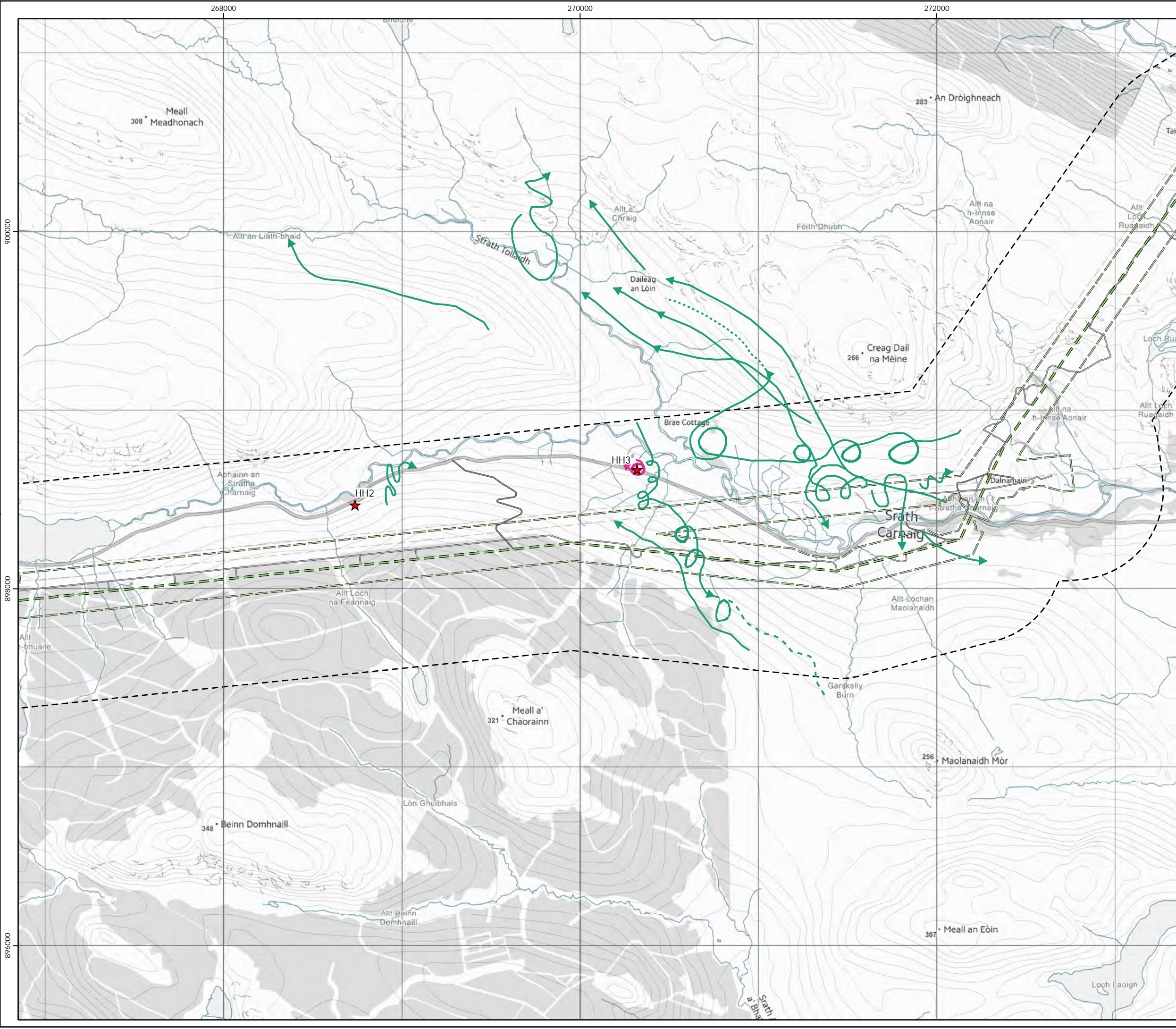
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Kilometres



Scale @ A3:
1:20,000



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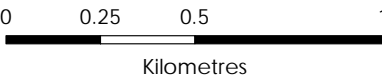
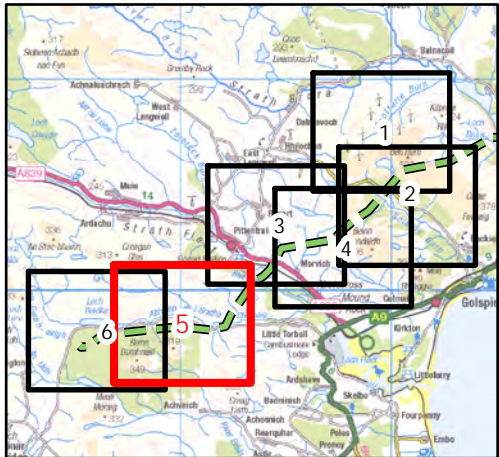


Beauly to Spittal



Figure 26a
Raptor Roost Activity
Kites, eagles and owls - Map 5

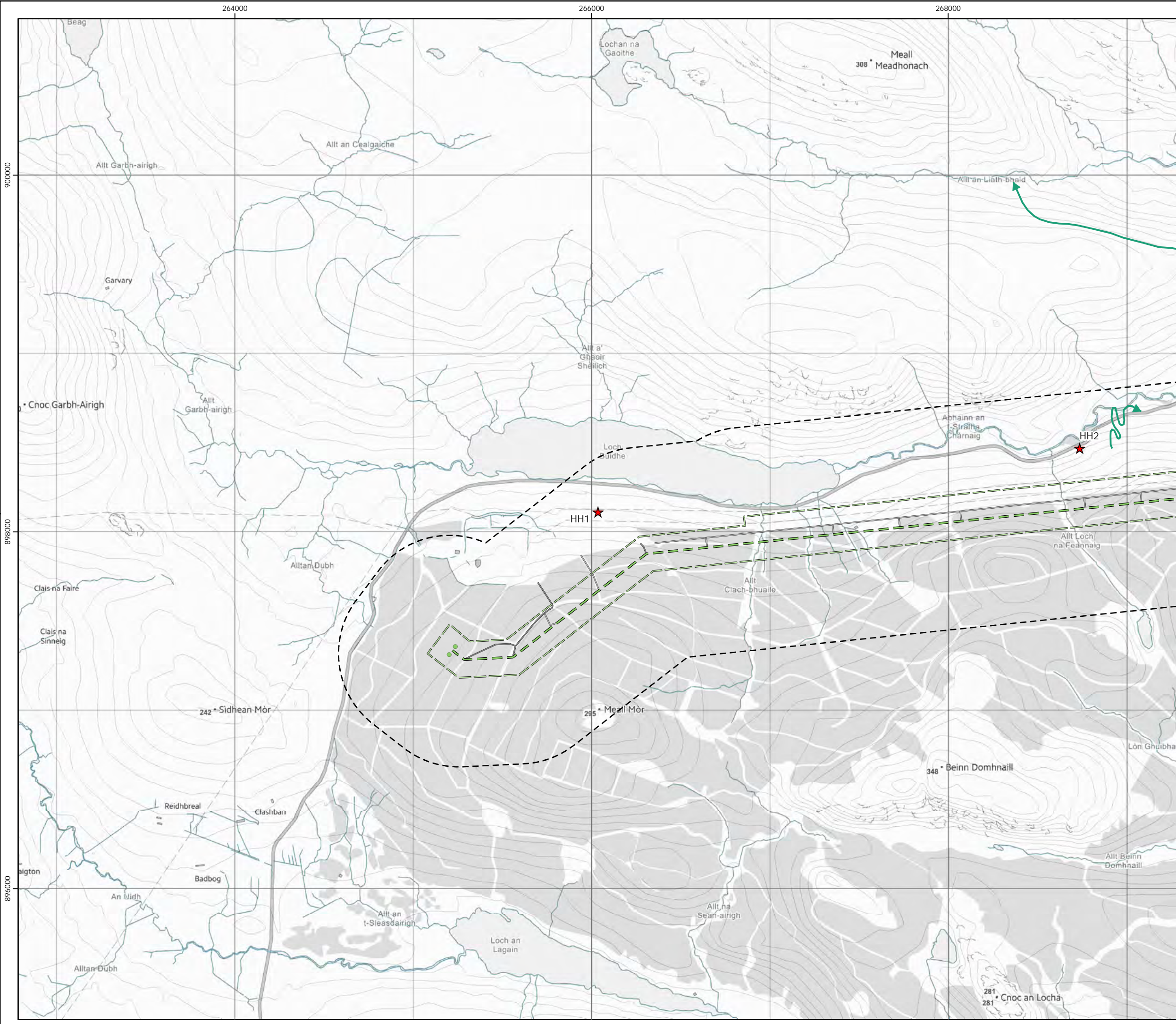
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Red kite
 - Barn owl
 - Short-eared owl
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
1:20,000



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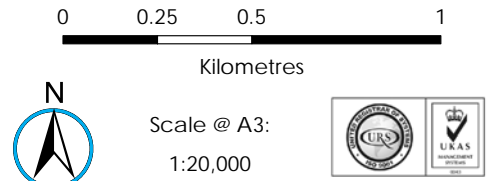
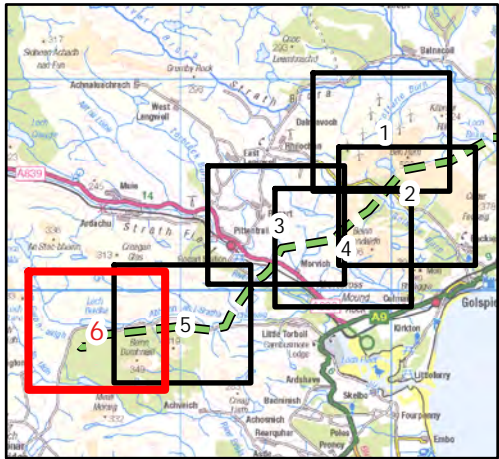


Beaulieu to Spittal

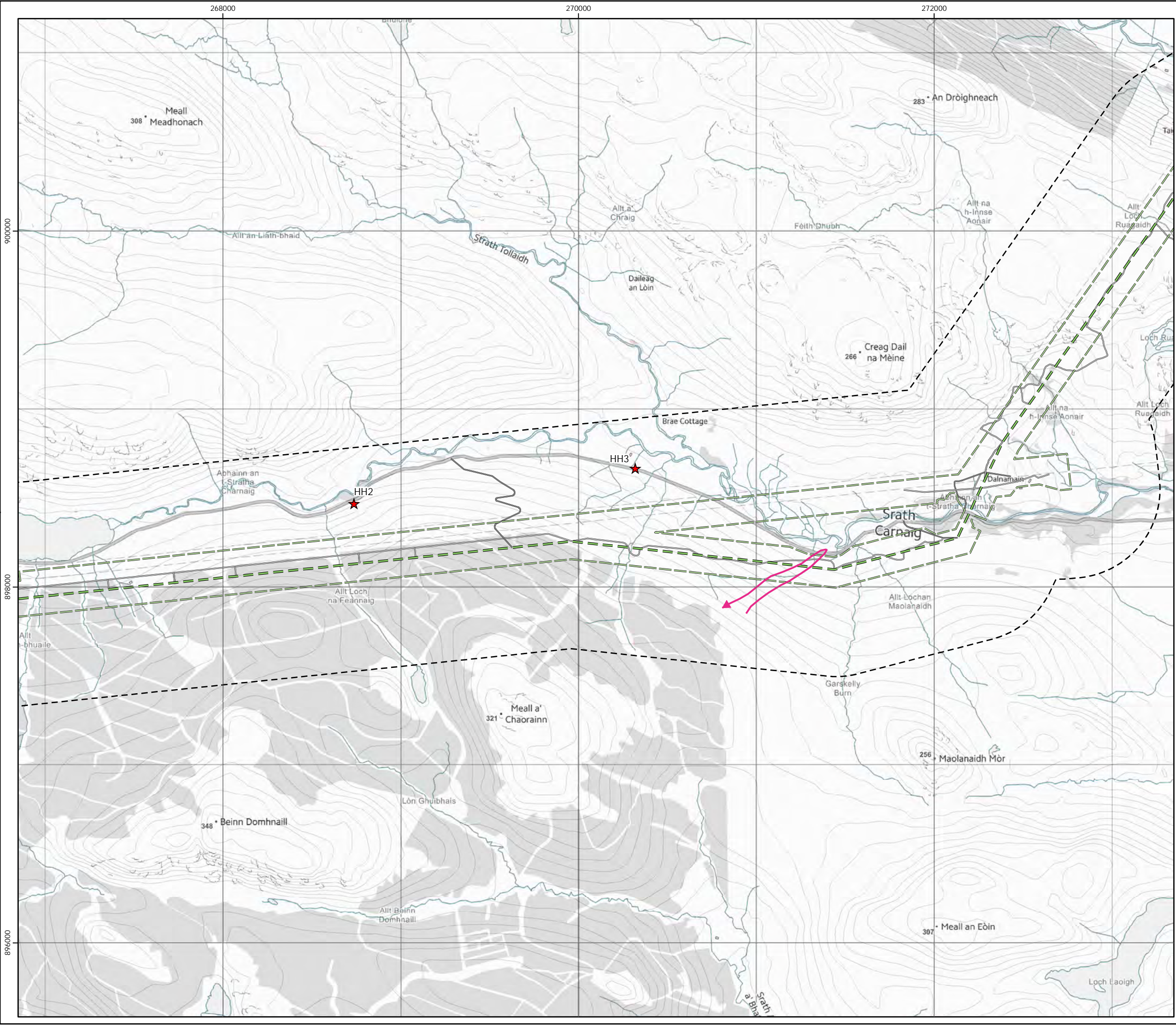


Figure 26a
Raptor Roost Activity
Kites, eagles and owls - Map 6

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Red kite
 - Barn owl
 - Short-eared owl
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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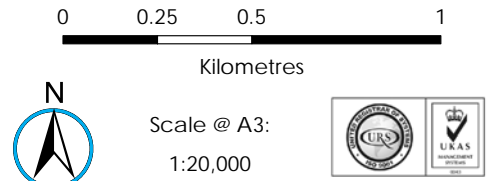
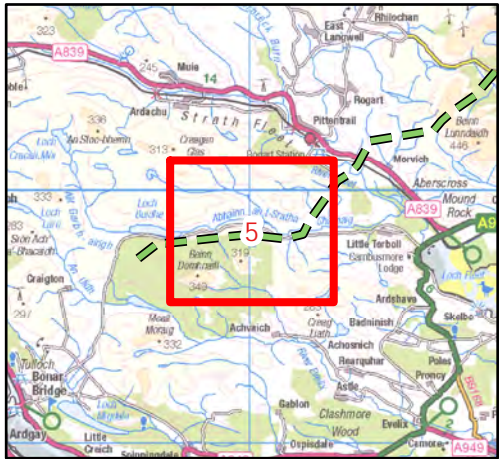


Beauly to Spittal

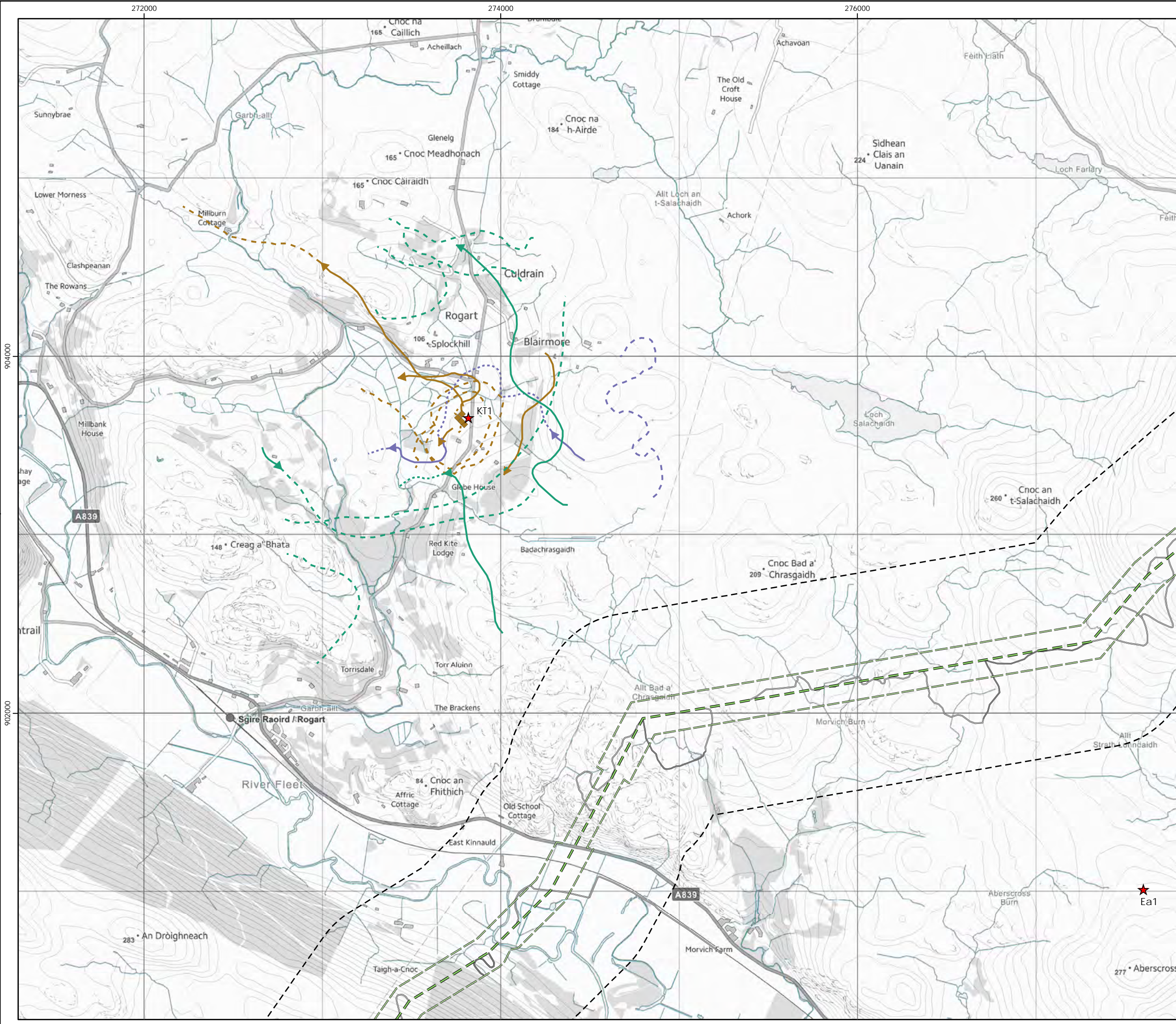


Figure 26b
Raptor Roost Activity
Other raptors - Map 5

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Merlin
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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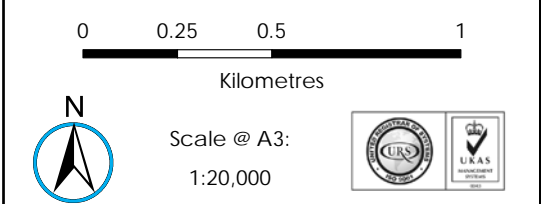
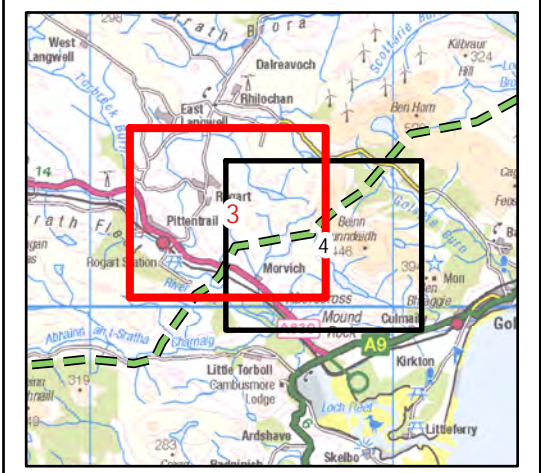


Beauly to Spittal

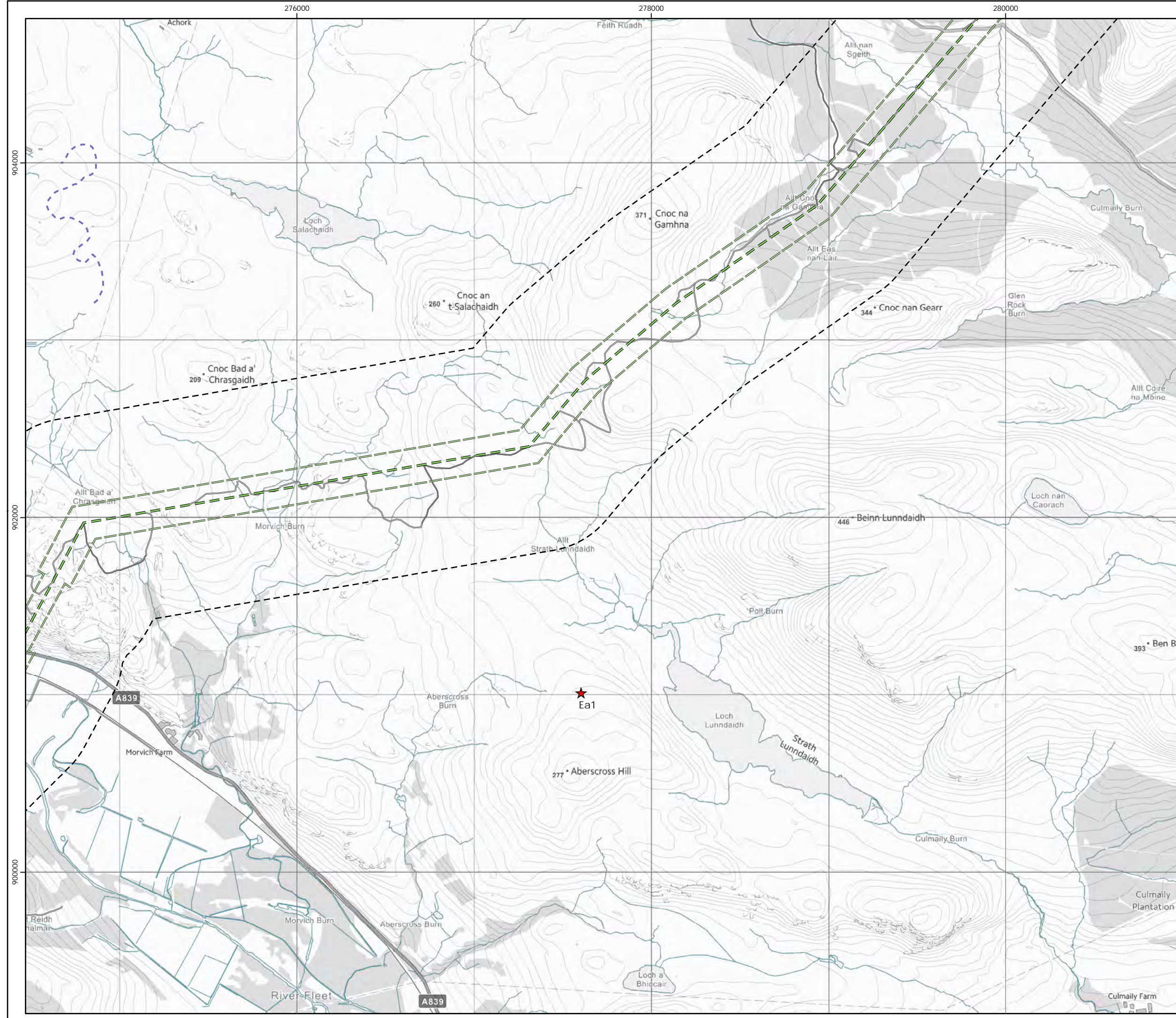


Figure 26c
Raptor Roost Activity
Gulls - Map 3

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Common gull
 - Black-headed gull
 - Herring gull
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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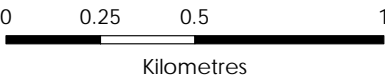
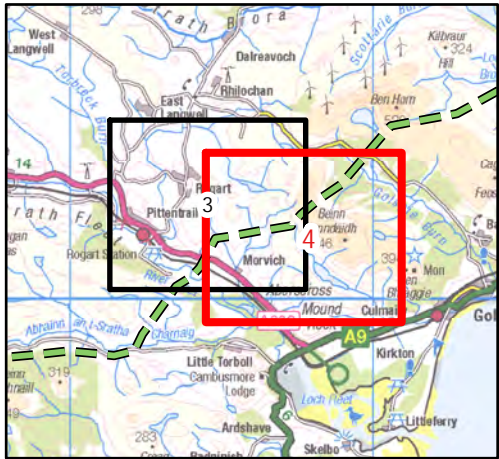


Beauly to Spittal



Figure 26c
Raptor Roost Activity
Gulls - Map 4

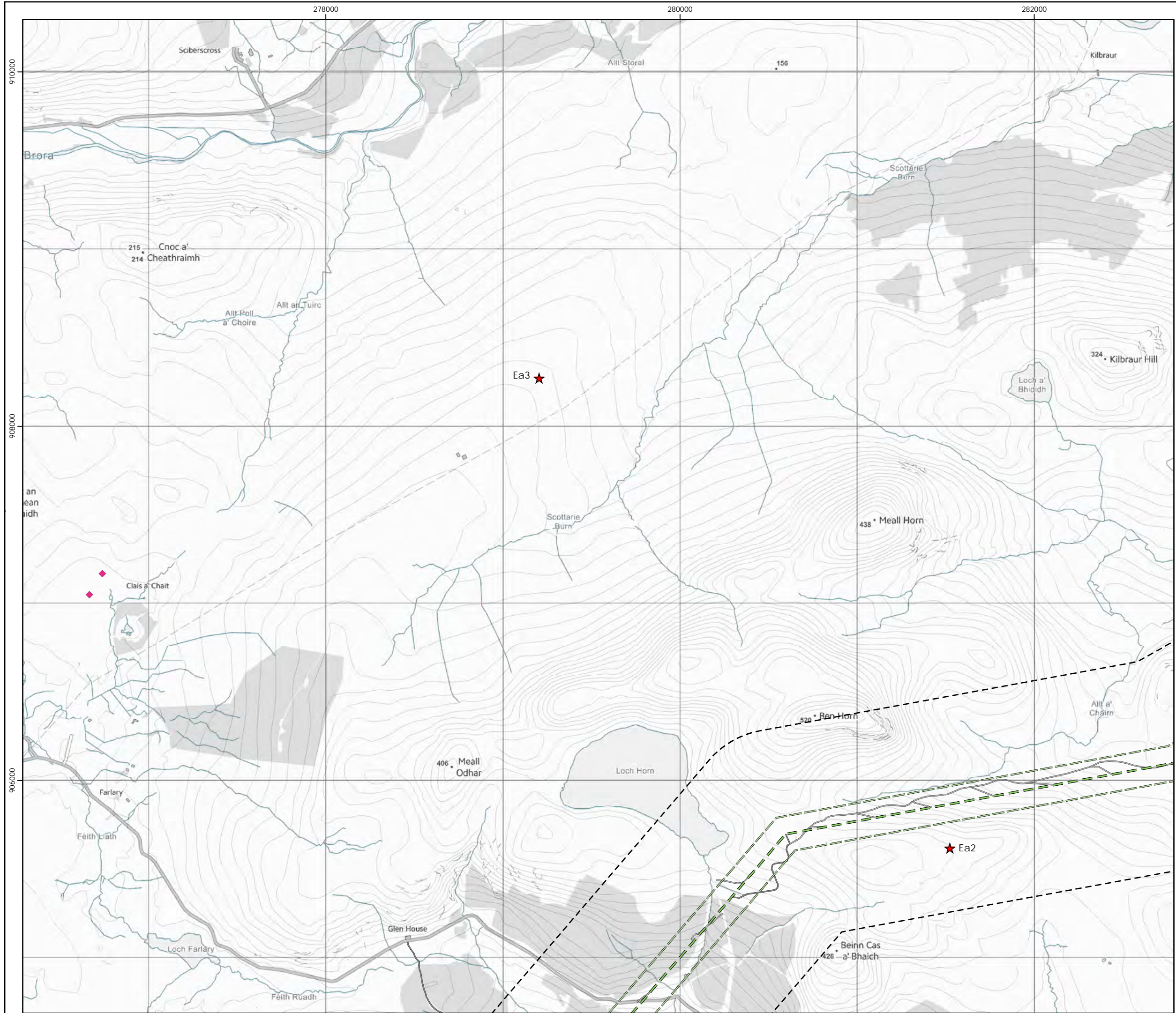
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Common gull
 - Black-headed gull
 - Herring gull
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
1:20,000



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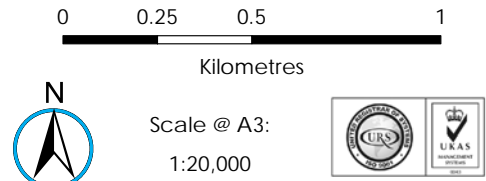
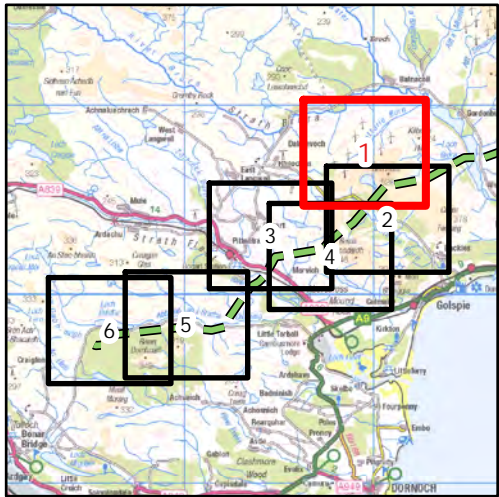


Beauly to Spittal

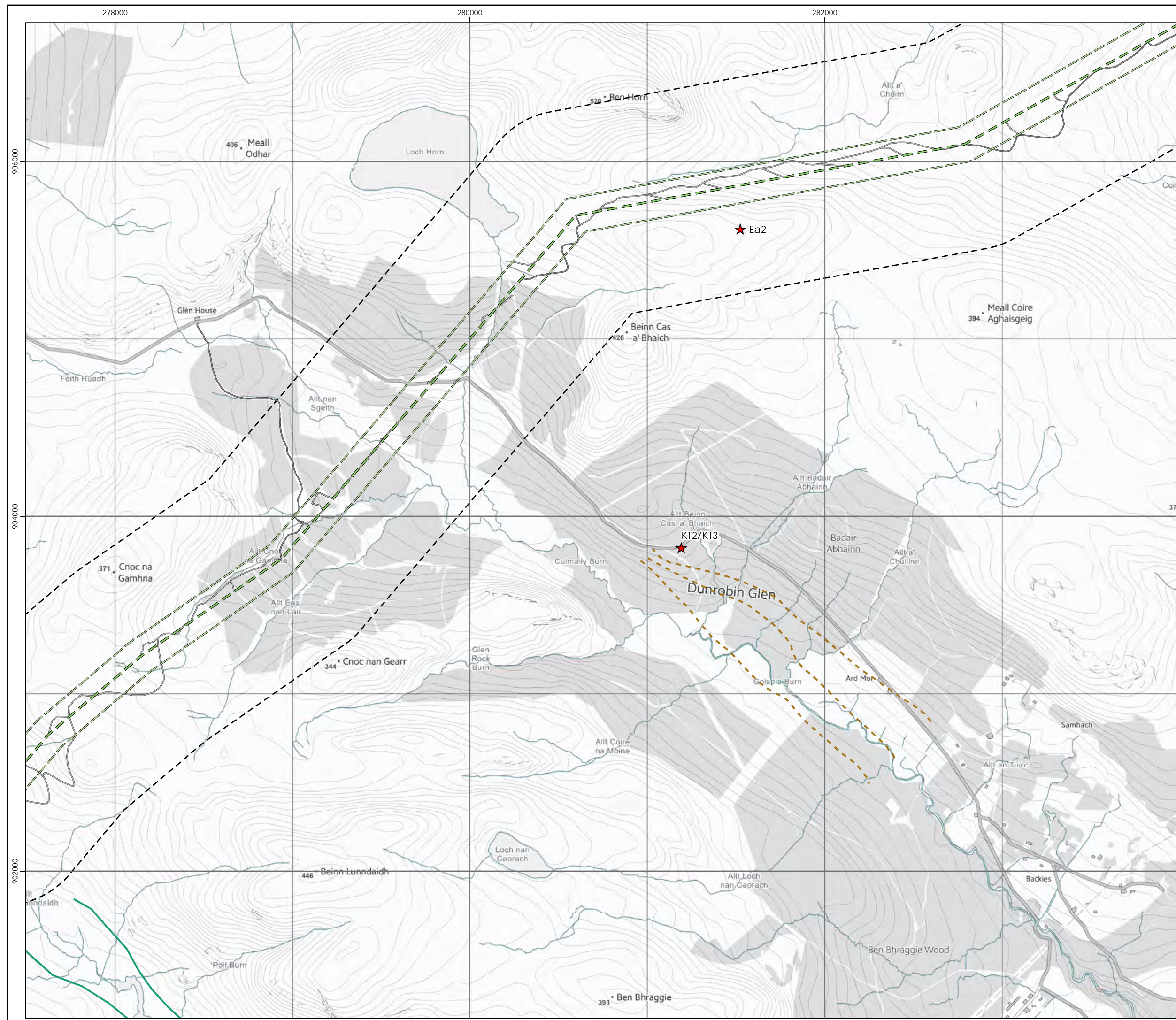


Figure 26d
Raptor Roost Activity
Geese and swans - Map 1

- Key**
- OHL Route Alignment and Tracks
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations
- Greylag goose
 - Brent goose
 - Whooper swan
 - Pink-footed goose
- Height Band
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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Beauly to Spittal



Figure 26d
Raptor Roost Activity
Geese and swans - Map 2

Key

OHL Route Alignment and Tracks

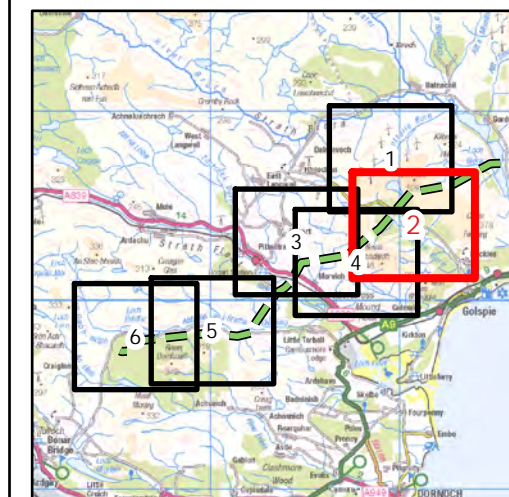
-  OHL Alignment
-  Limit of Deviation for OHL (LoD)
-  500m buffer from LoD
-  Tower
-  Permanent access track
-  Temporary access track
-  Vantage Point

Target species registrations

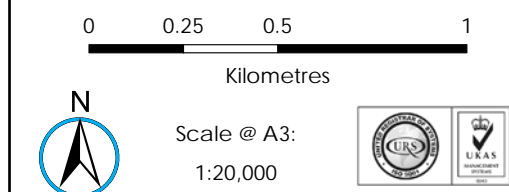
- Greylag goose
- Brent goose
- Whooper swan
- Pink-footed goose

Height Band

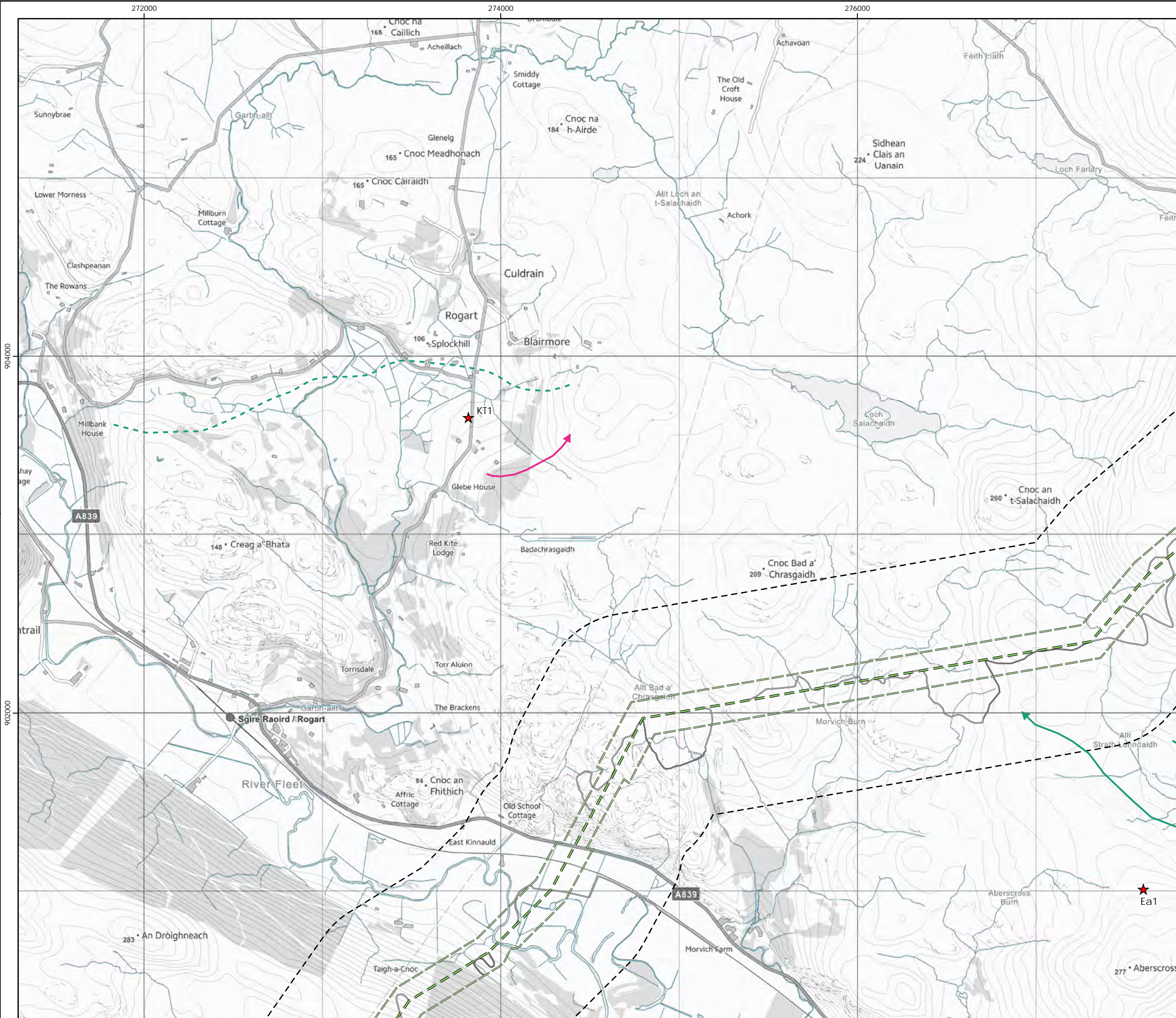
- Below 5m height
 → 5 - 70m height
 - - - Above 70m height
 ♦ On ground
 ○ Heard only



atmos
CONSULTING



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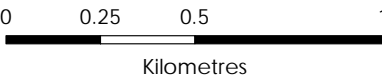
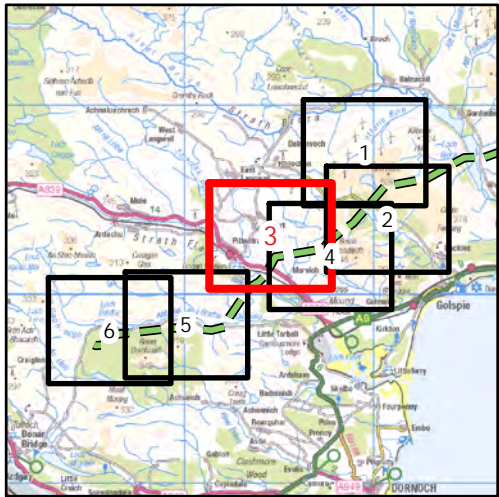


Beauly to Spittal



Figure 26d
Raptor Roost Activity
Geese and swans - Map 3

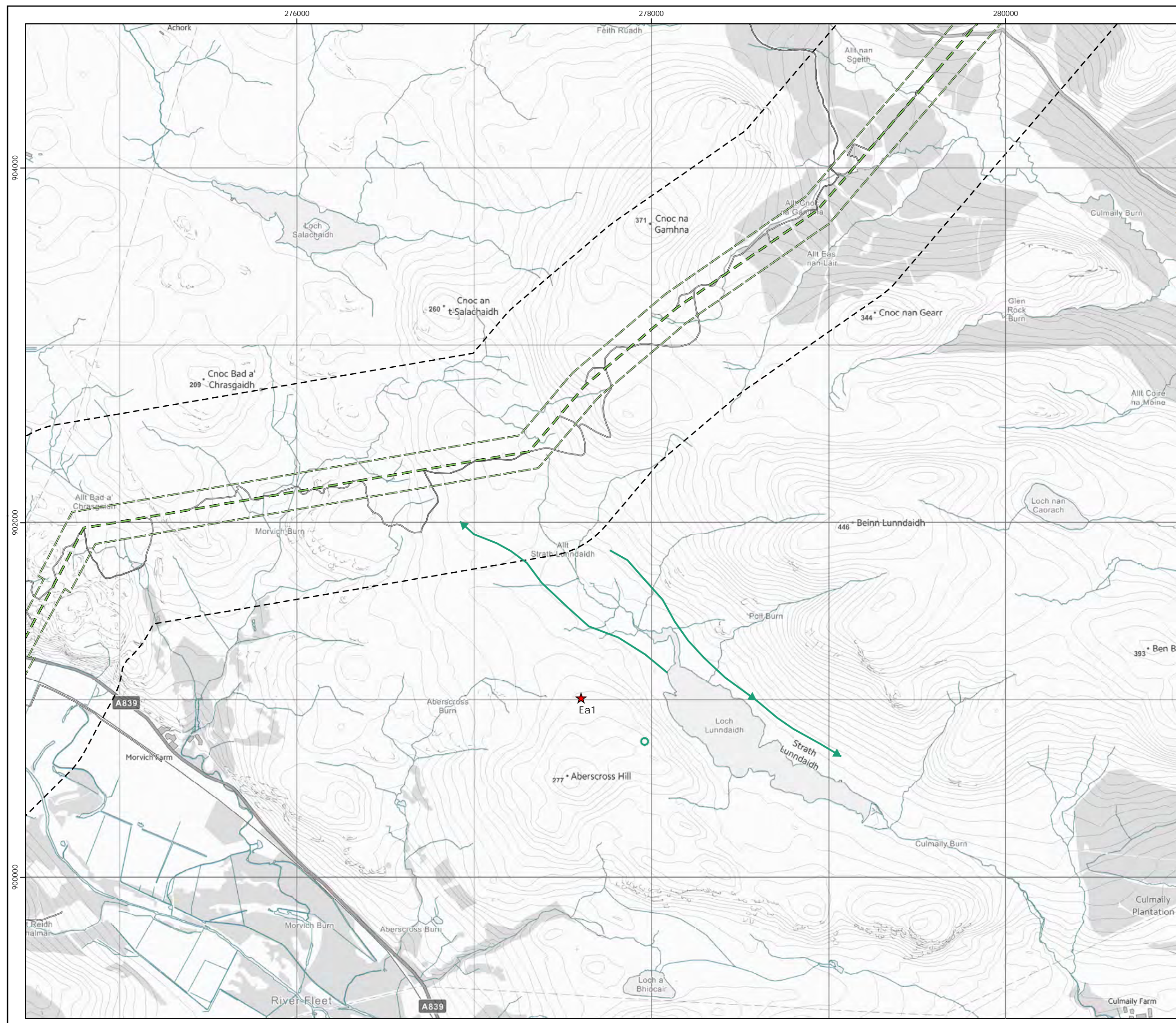
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Greylag goose
 - Brent goose
 - Whooper swan
 - Pink-footed goose
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
1:20,000



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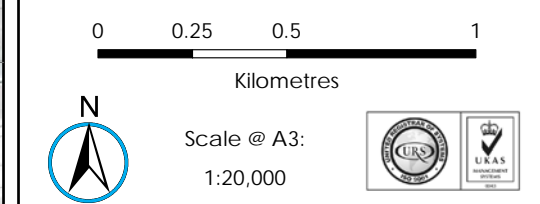
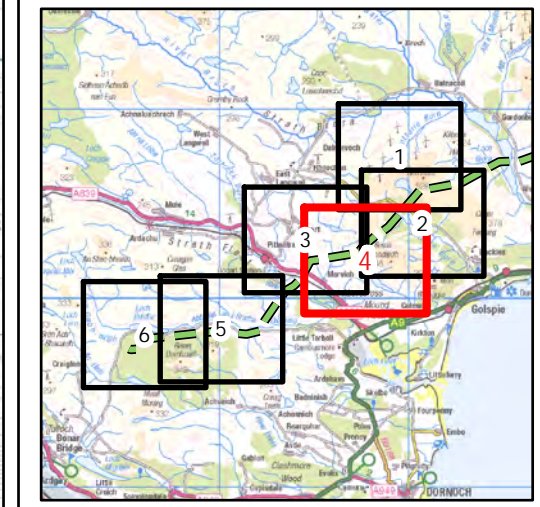


Beaulieu to Spittal

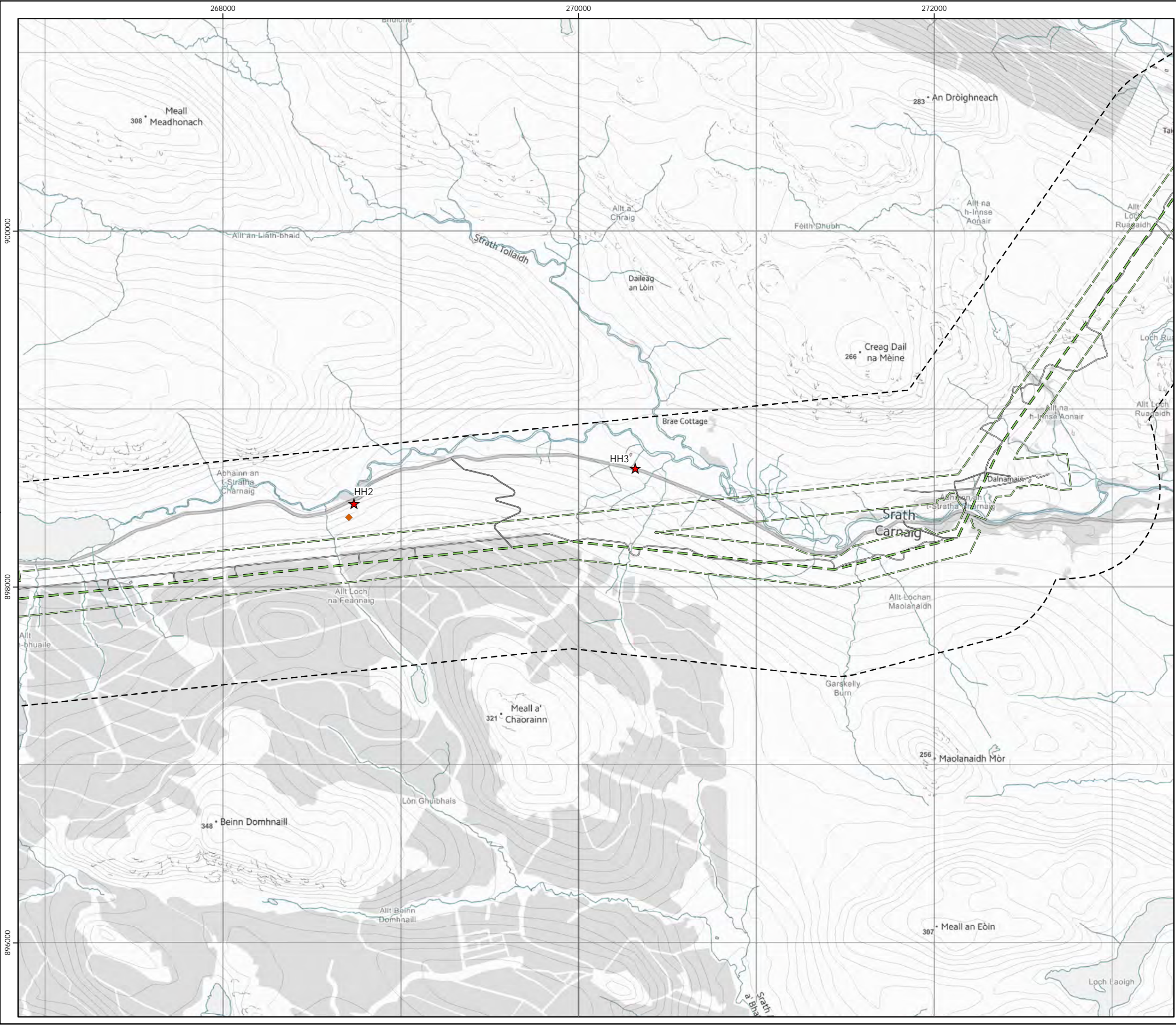


Figure 26d
Raptor Roost Activity
Geese and swans - Map 4

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Greylag goose
 - Brent goose
 - Whooper swan
 - Pink-footed goose
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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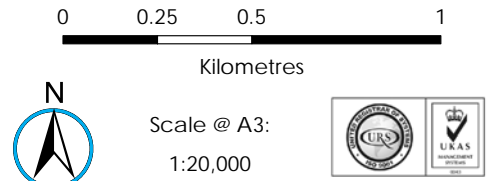
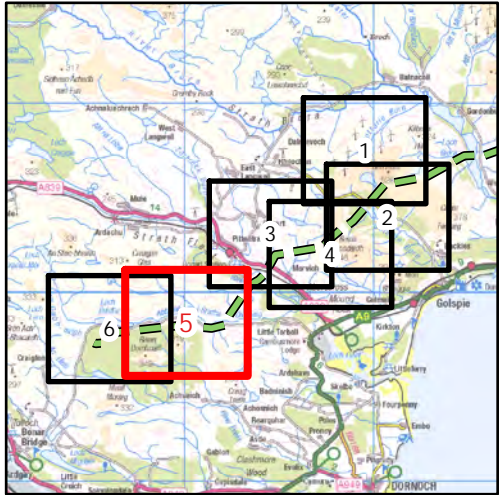


Beauly to Spittal

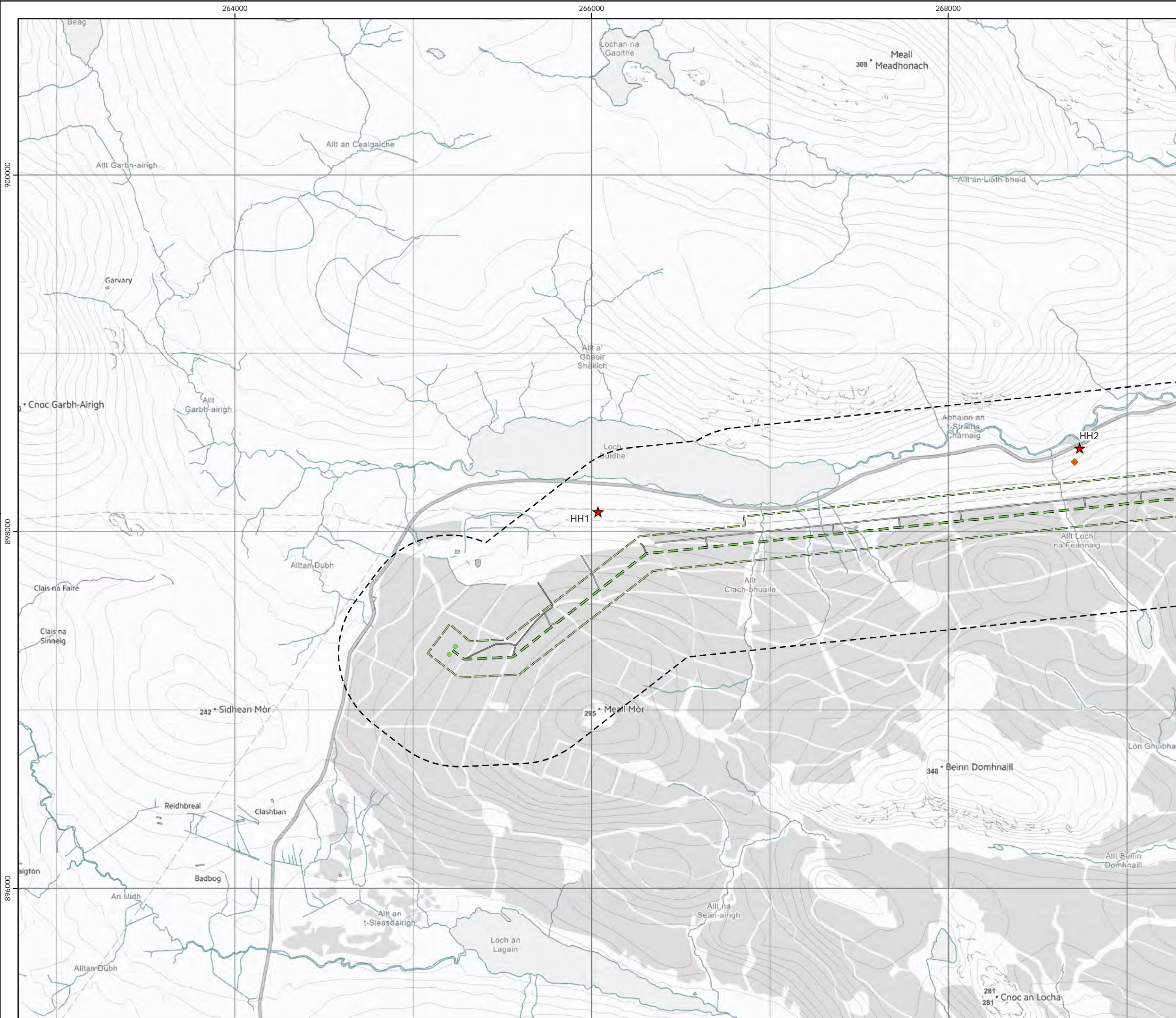


Figure 26d
Raptor Roost Activity
Geese and swans - Map 5

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Greylag goose
 - Brent goose
 - Whooper swan
 - Pink-footed goose
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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Beauly to Spittal



Figure 26d
Raptor Roost Activity
Geese and swans - Map 6

Key

OHL Route Alignment and Tracks

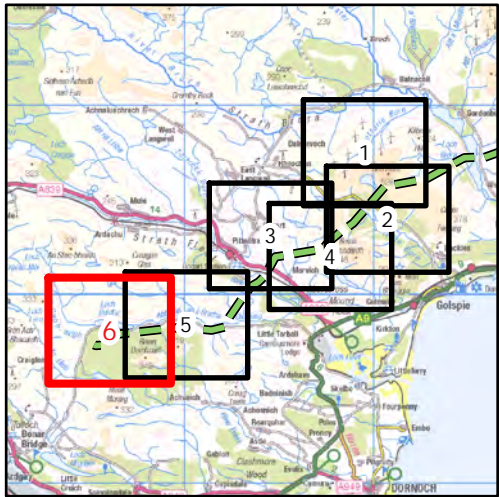
- OHL Alignment
- Limit of Deviation for OHL (LoD)
- 500m buffer from LoD
- Tower
- Permanent access track
- Temporary access track
- Vantage Point

Target species registrations

- Greylag goose
- Brent goose
- Whooper swan
- Pink-footed goose

Height Band

- Below 5m height
- 5 - 70m height
- Above 70m height
- On ground
- Heard only



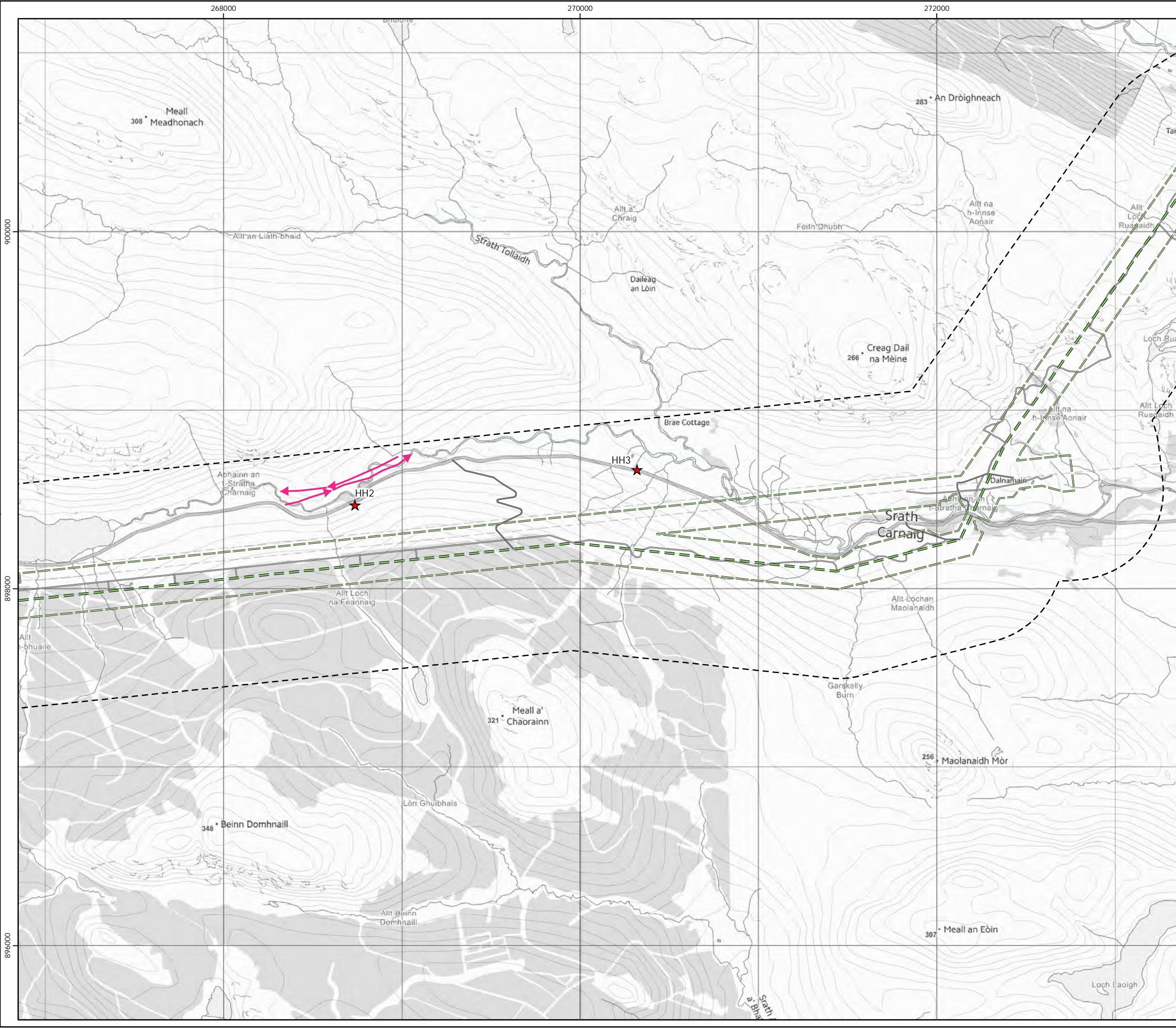
0 0.25 0.5 1
Kilometres

N

Scale @ A3:
1:20,000

UKAS

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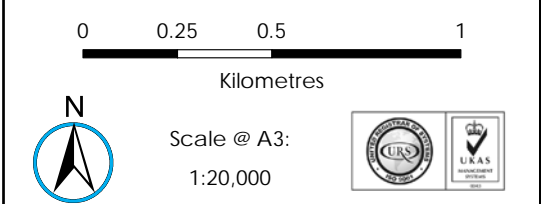
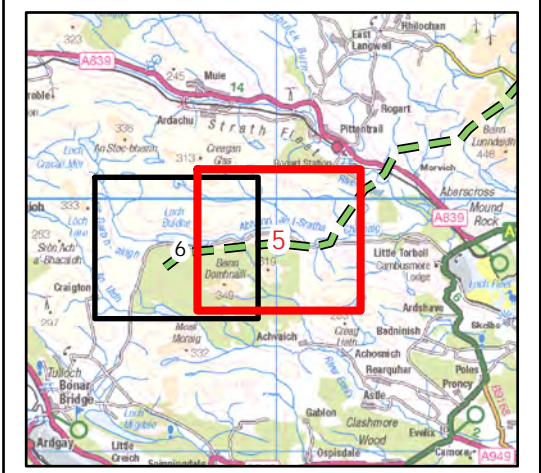


Beaulieu to Spittal

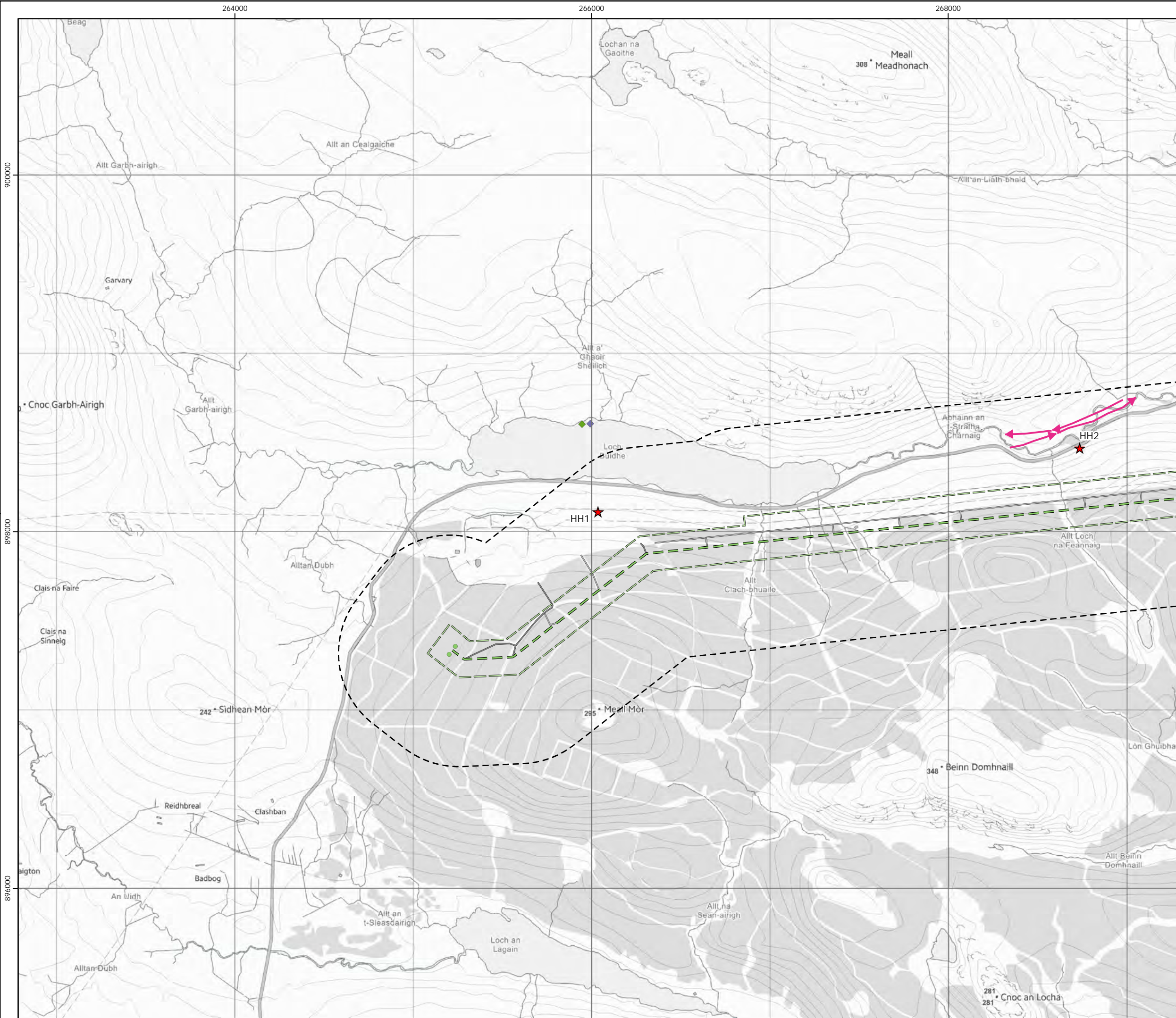


Figure 26e
Raptor Roost Activity
Ducks - Map 5

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Teal
 - Goosander
 - Wigeon
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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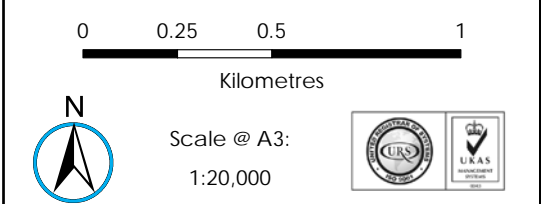
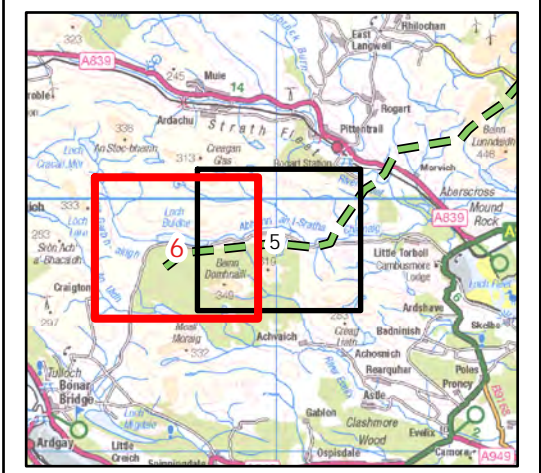


Beauly to Spittal

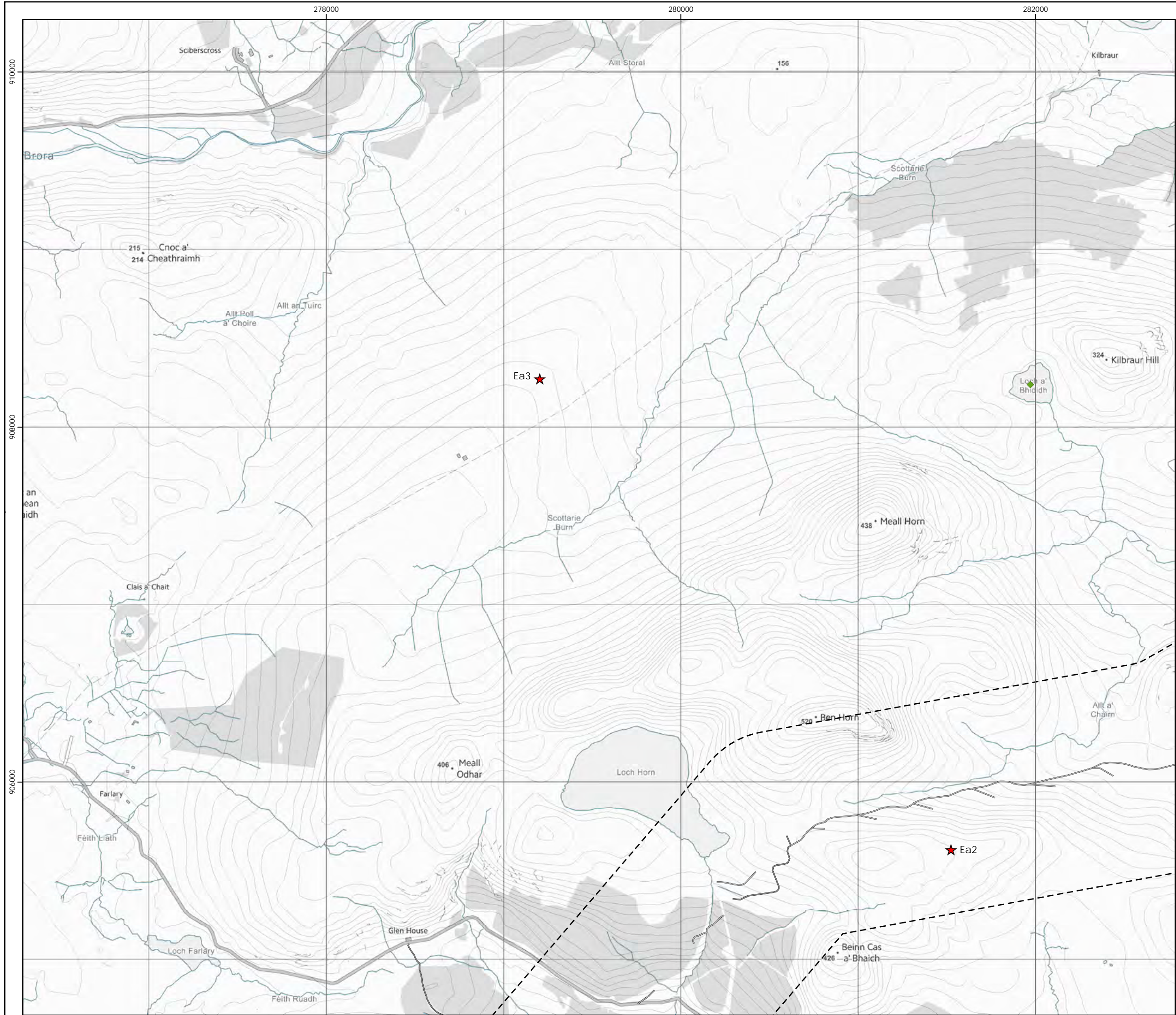


Figure 26e
Raptor Roost Activity
Ducks - Map 6

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Teal
 - Goosander
 - Wigeon
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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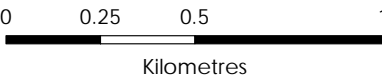
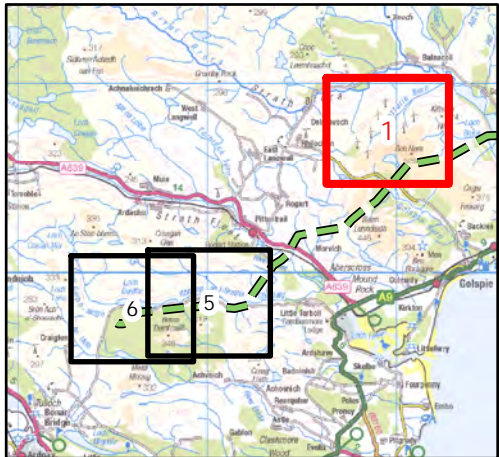


Beauly to Spittal



Figure 26f
Raptor Roost Activity
Grouse, Divers and Seabirds -
Map 1

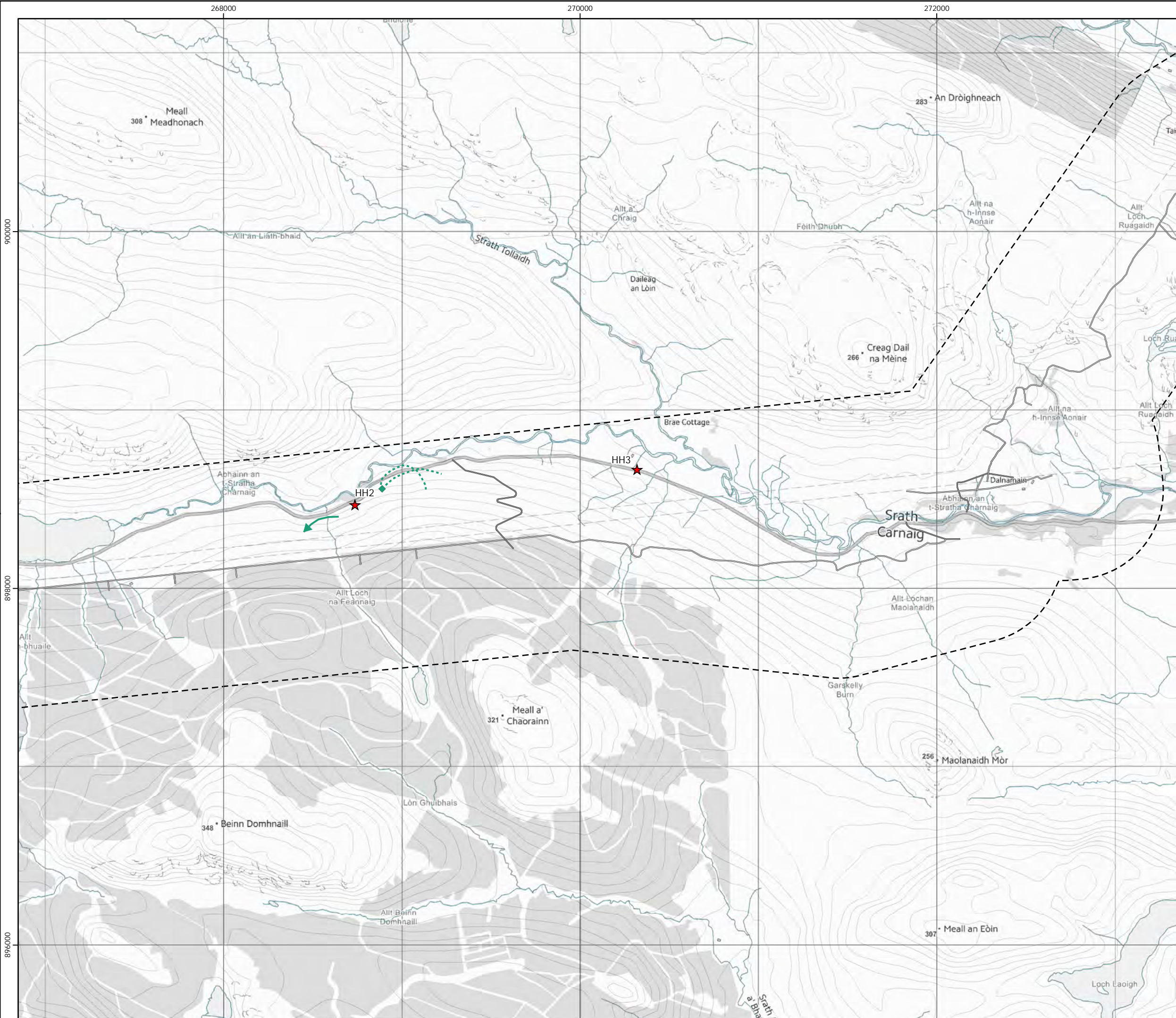
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Black grouse
 - Unidentified diver
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
1:20,000



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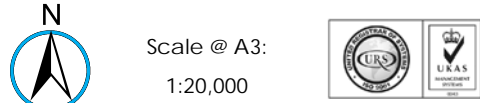
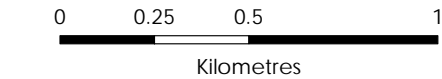
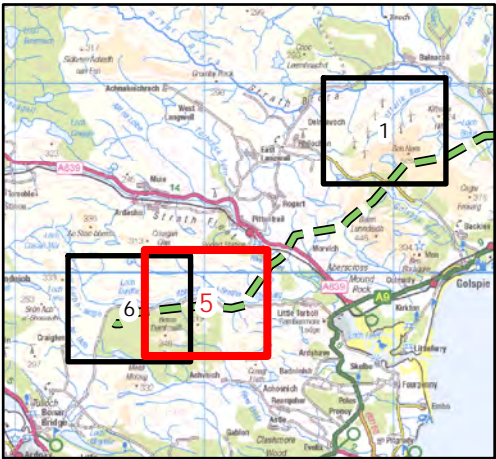


Beauly to Spittal

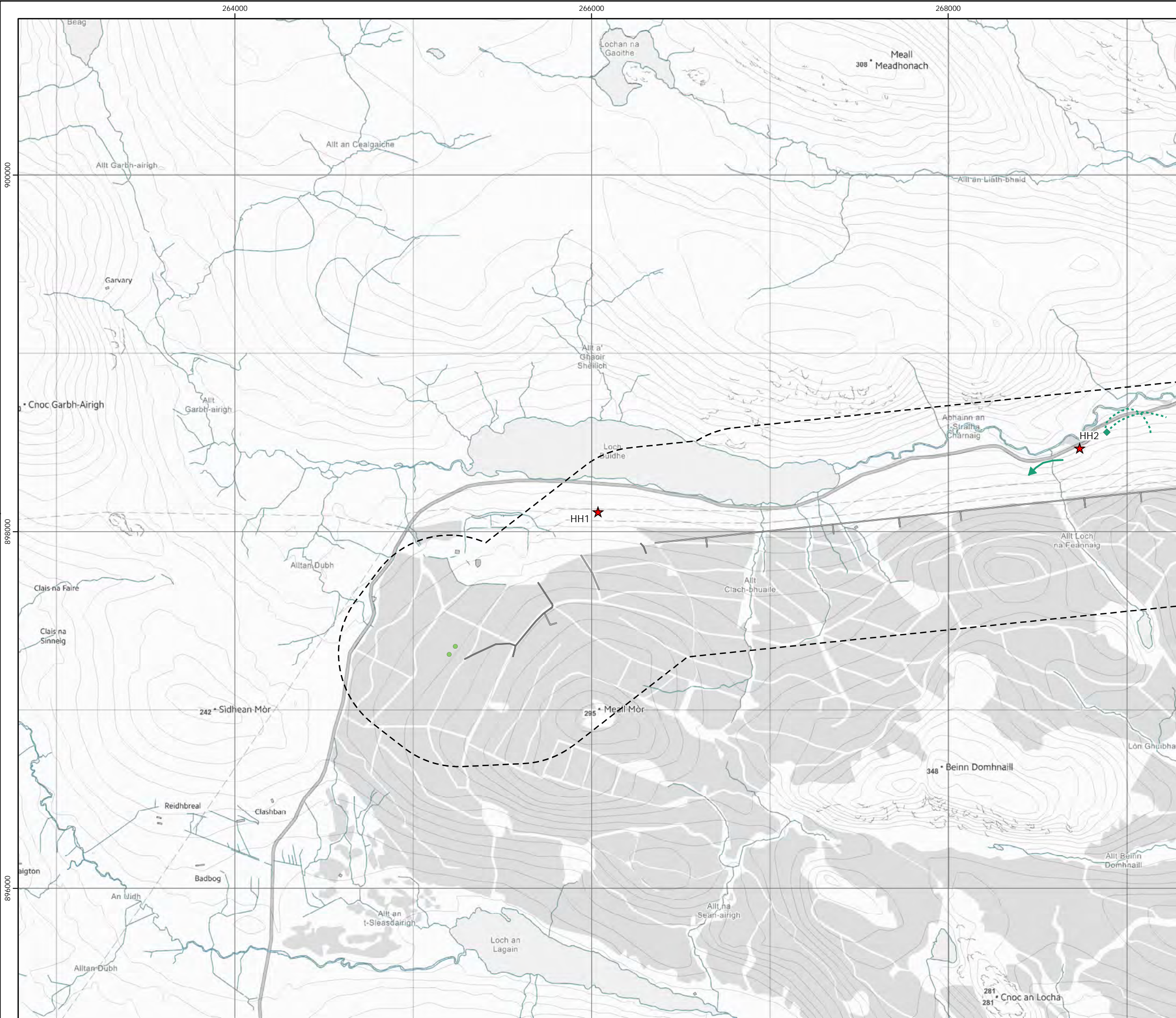


Figure 26f
Raptor Roost Activity
Grouse, Divers and Seabirds -
Map 5

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Black grouse
 - Unidentified diver
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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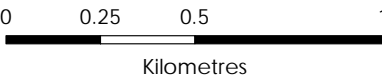
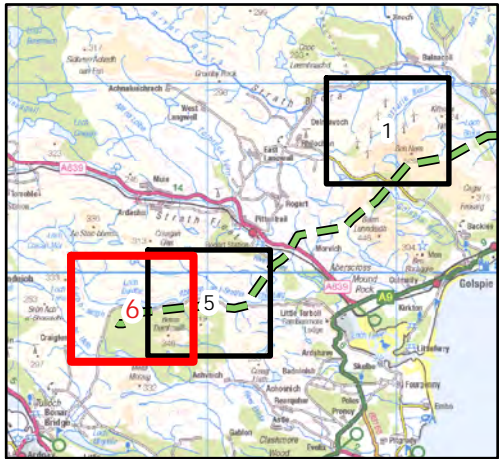


Beaulieu to Spittal



Figure 26f
Raptor Roost Activity
Grouse, Divers and Seabirds -
Map 6

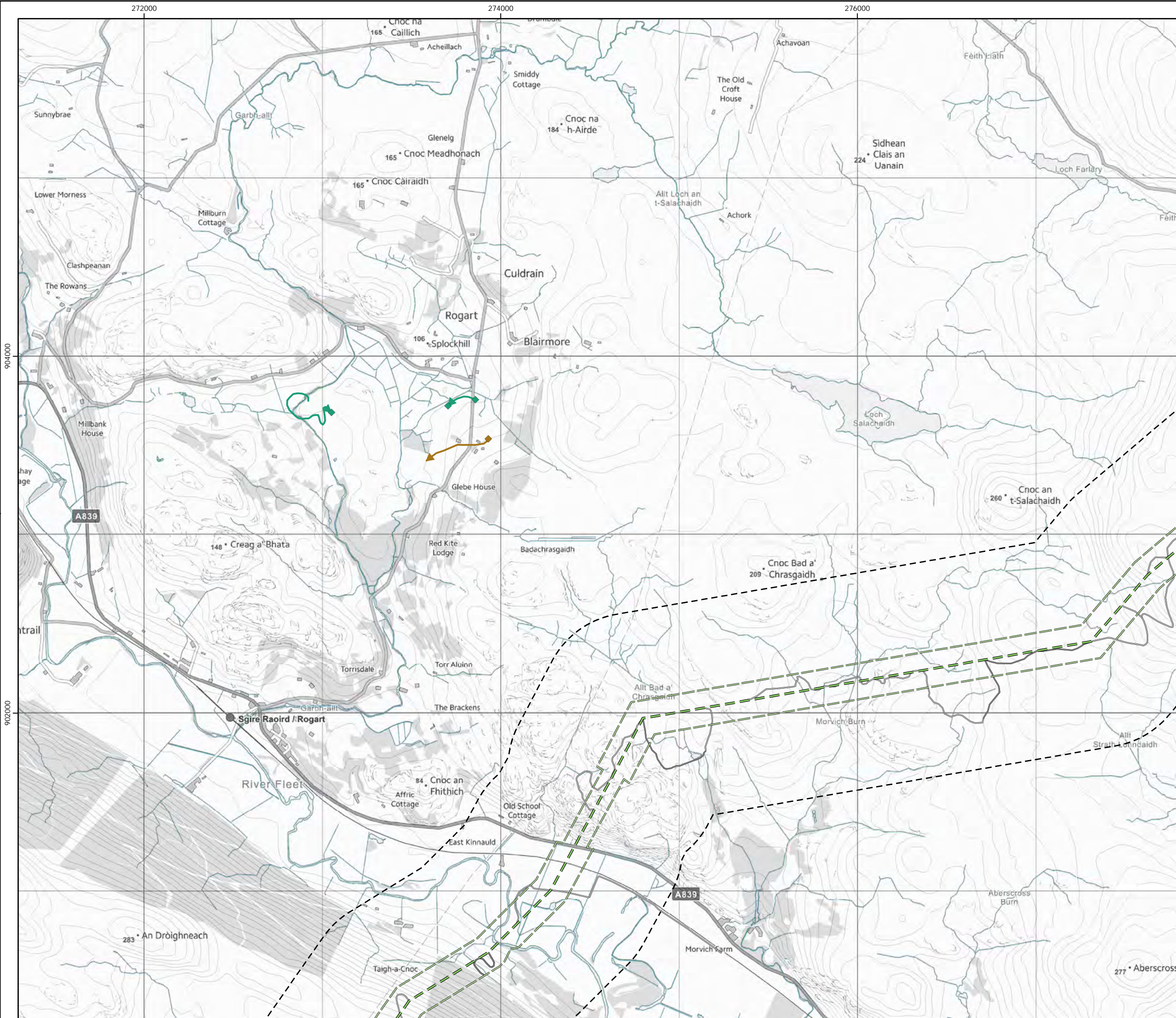
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Black grouse
 - Unidentified diver
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
1:20,000



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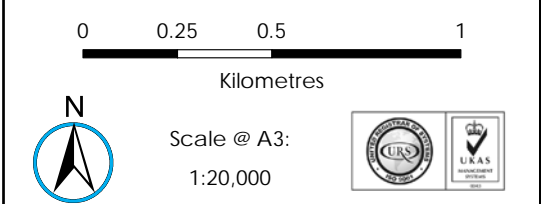
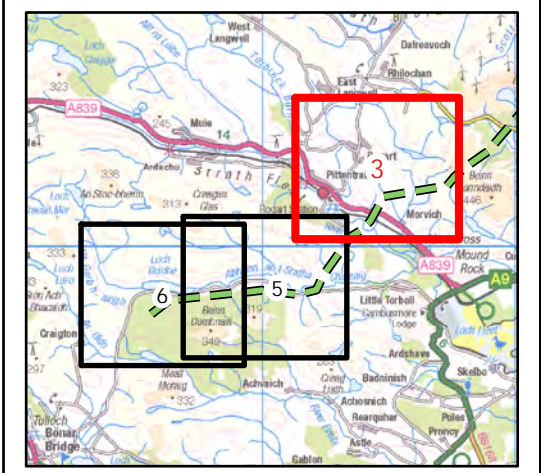


Beauly to Spittal

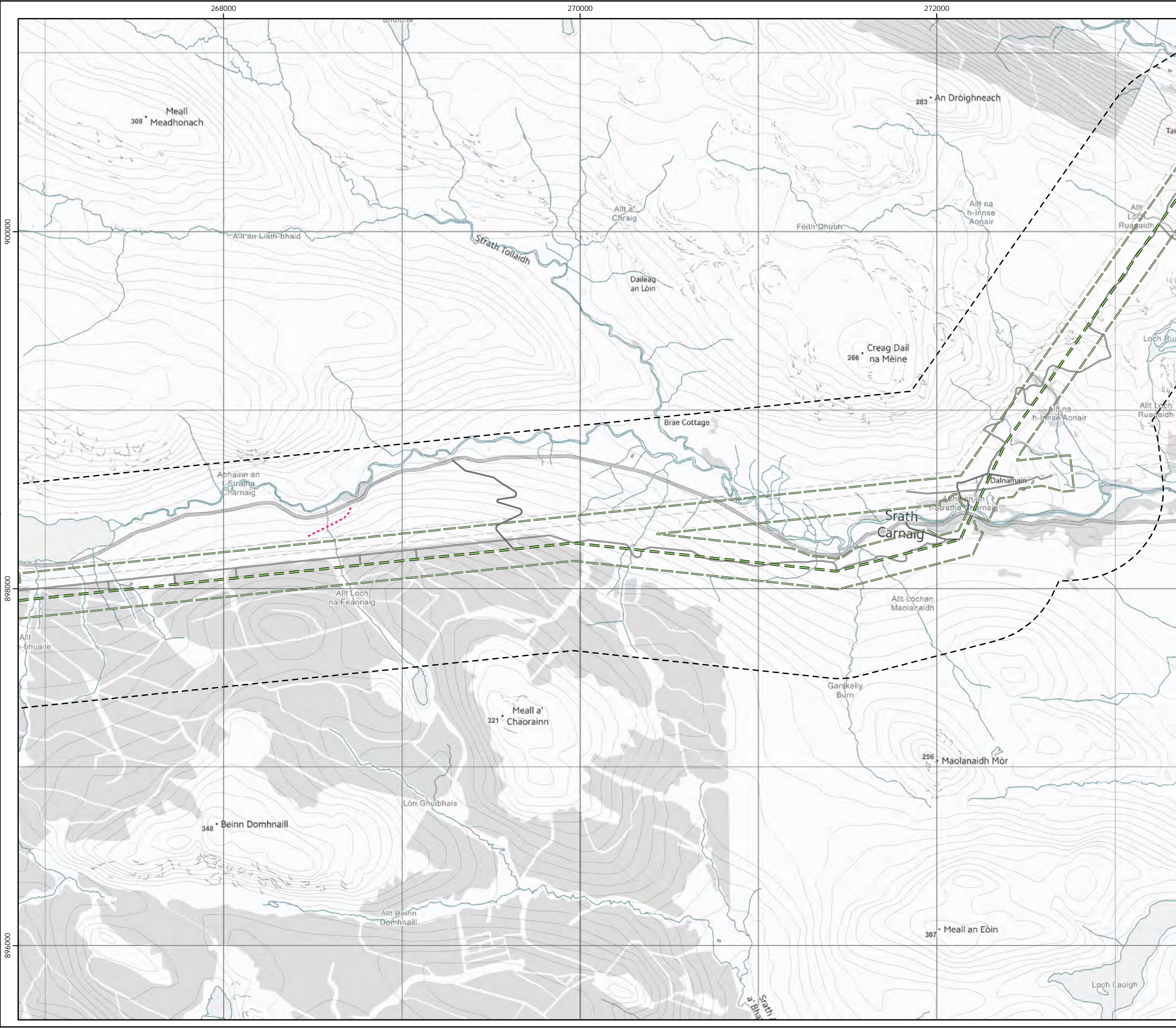


Figure 26g
Raptor Roost Activity
Waders - Map 3

- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Oystercatcher
 - Woodcock
 - Curlew
 - Ringed plover
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



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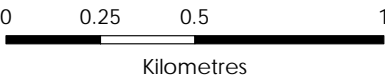
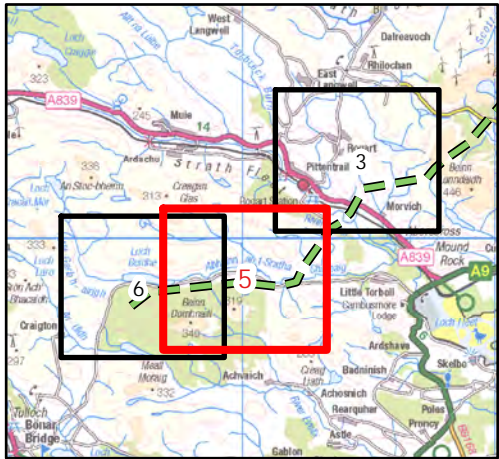


Beauly to Spittal



Figure 26g
Raptor Roost Activity
Waders - Map 5

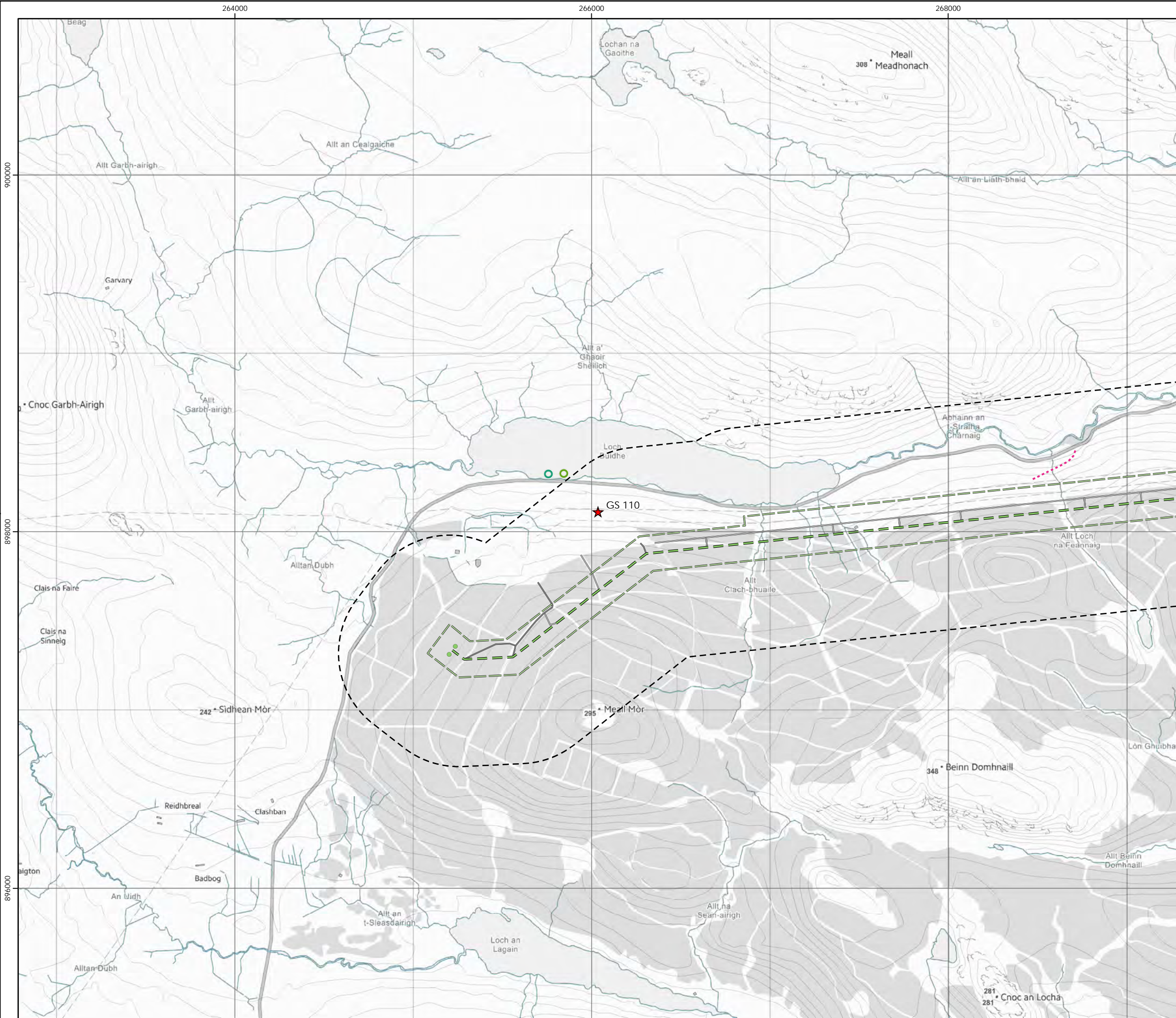
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Oystercatcher
 - Woodcock
 - Curlew
 - Ringed plover
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
 - On ground
 - Heard only



Scale @ A3:
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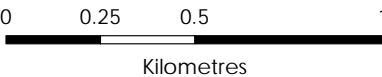
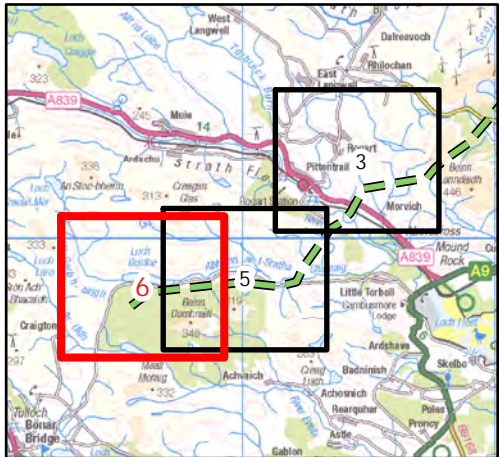


Beauly to Spittal



Figure 26g
Raptor Roost Activity
Waders - Map 6

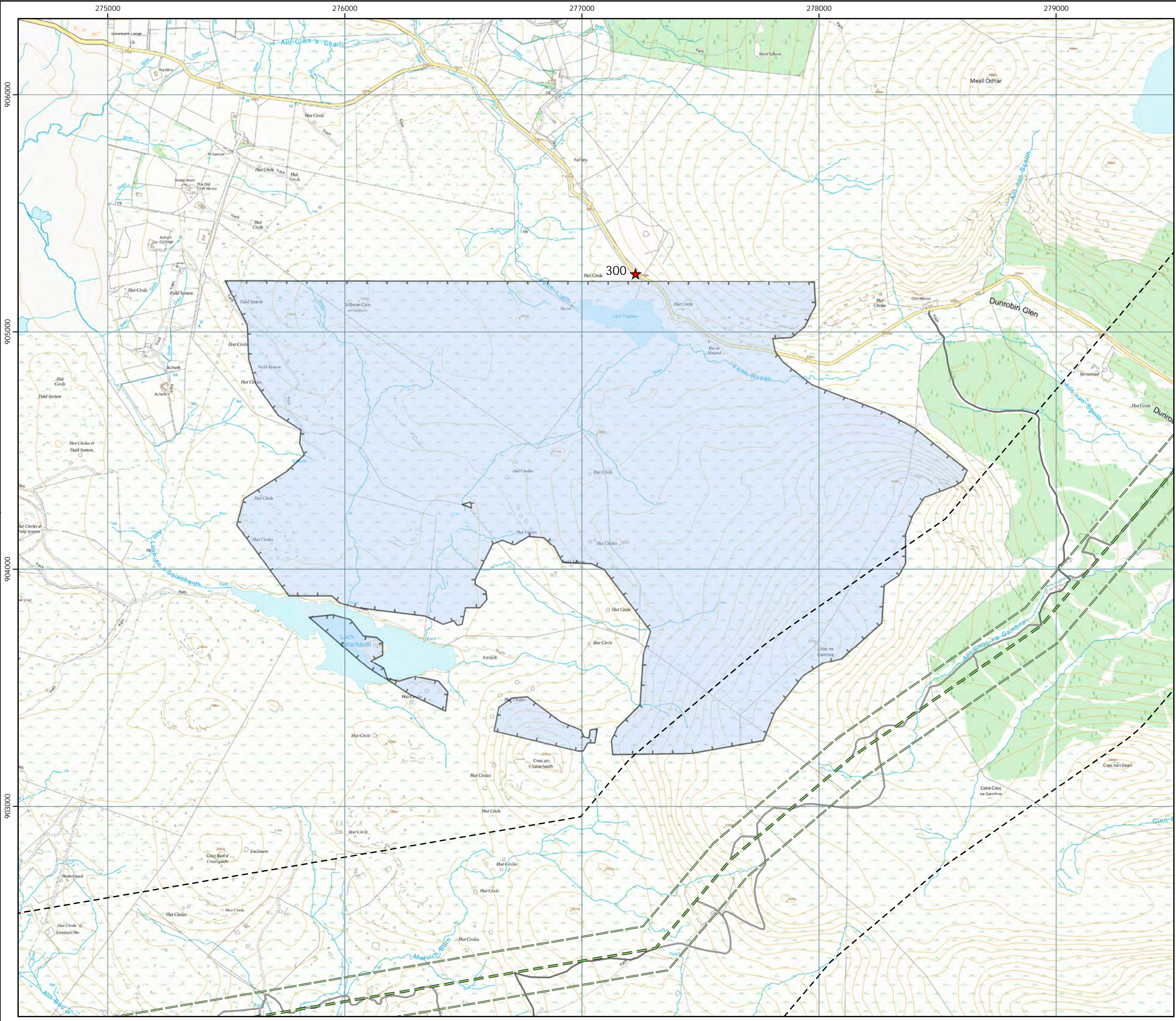
- Key**
- OHL Route Alignment and Tracks**
- OHL Alignment
 - Limit of Deviation for OHL (LoD)
 - 500m buffer from LoD
 - Tower
 - Permanent access track
 - Temporary access track
 - Vantage Point
- Target species registrations**
- Oystercatcher
 - Woodcock
 - Curlew
 - Ringed plover
- Height Band**
- Below 5m height
 - 5 - 70m height
 - Above 70m height
- Registration Type**
- On ground
 - Heard only



Scale @ A3:
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Beauly to Spittal



Figure 27
Diver Vantage Point Locations
and Viewsheds

Key

OHL Route Alignment and Tracks

- OHL Alignment
- Limit of Deviation for OHL (LoD)
- 500m buffer from LoD
- Tower
- Permanent access track
- Temporary access track
- Vantage Point

VP Viewshed

- 300

Generated using Ordnance Survey's Terrain 50 dataset that does not take into account the screening effects of buildings.

Observer height 1.5m above ground.
Viewshed height modelled 10m above ground.

Forestry has been used to screen visibility at a height of 10m using the Ordnance Survey OpenMapLocal Woodland dataset.

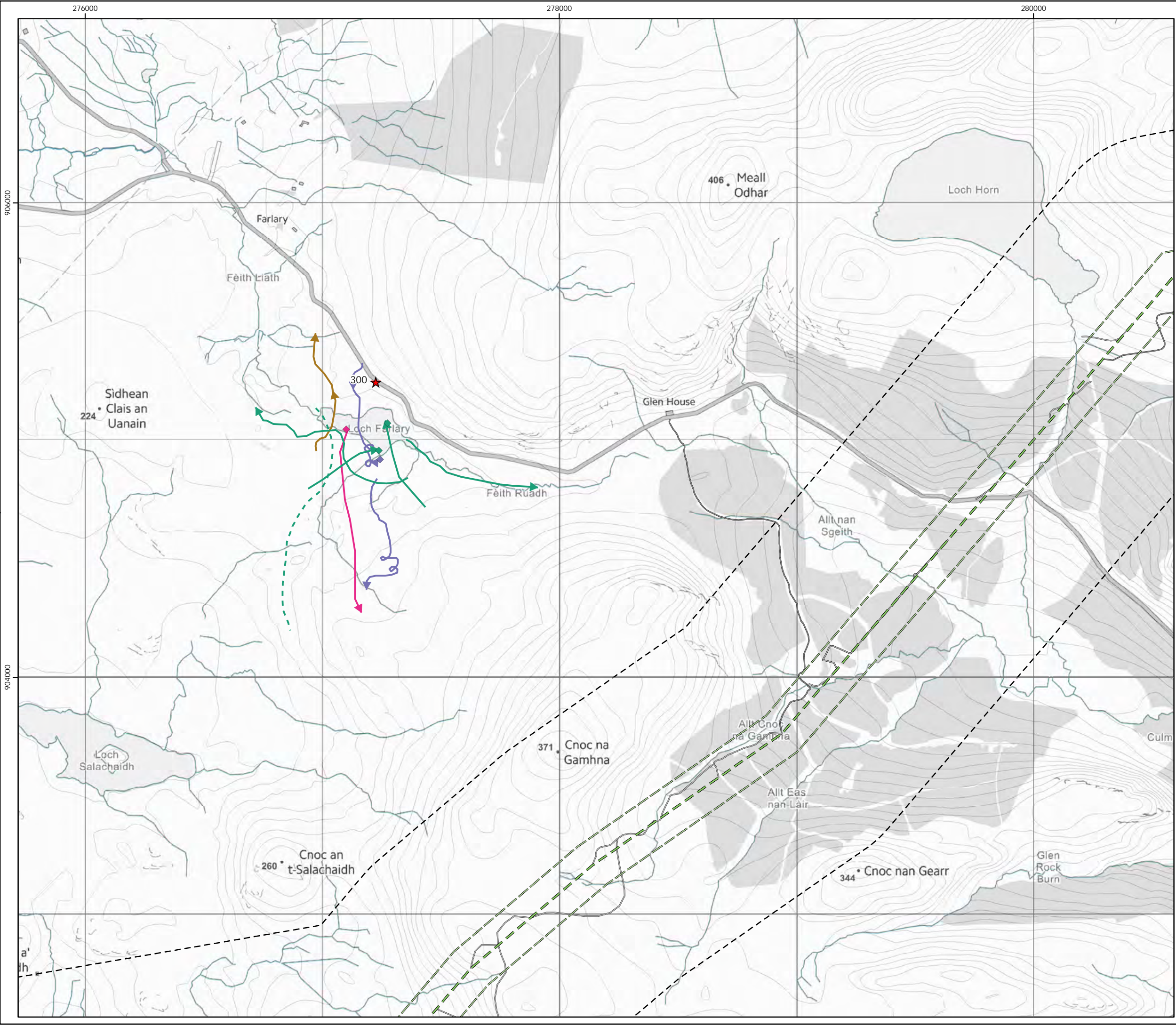


0 250 500
Metres

N

Scale @ A3:
1:15,000

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Beaulieu to Spittal



Figure 28
Diver VP Activity
Waders, Diver and Goose

Key

OHL Route Alignment and Tracks

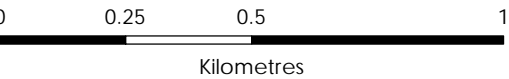
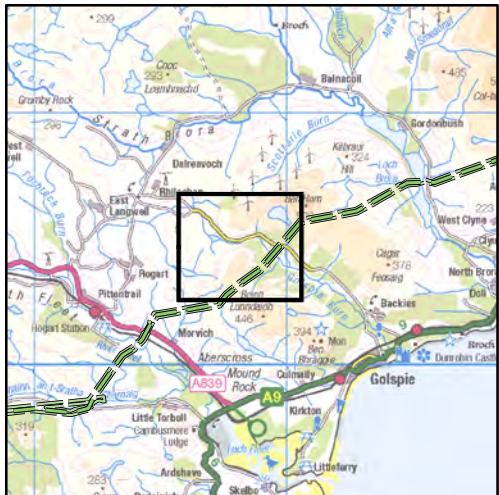
- OHL Alignment
- Limit of Deviation for OHL (LoD)
- 500m buffer from LoD
- Tower
- Permanent access track
- Temporary access track
- Vantage Point

Target species registrations

- Greylag goose
- Lapwing
- Red-throated diver
- Curlew

Height Band

- Below 5m height
- 5 - 70m height
- Above 70m height



N

Scale @ A3:
1:15,000

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Appendix B. Vantage Point Survey Visit Details

Table 43: VP Survey Information – Timing and Duration of Surveys (Core VPs, Goose VPs and Winter Raptor VPs – North Section)

Table 44: VP Survey Information – Timing and Duration of Surveys (Core VPs, Goose VPs, Winter Raptor VPs and Diver VPs – South Section)

Appendix C. Vantage Point Survey Summary of Weather Conditions

Table 45: VP Weather Summary (Core VPs, Goose VPs and Winter Raptor VPs – North Section)

Table 46: VP Weather Summary (Core VPs, Goose VPs, Winter Raptor VPs and Diver VPs
– South Section)

Appendix D. Vantage Point Survey Target Species Flights

Table 47: VP Flight Line Details (Core VPs – North Section)

Table 48: VP Flight Line Details (Winter Goose VPs – North Section)

Table 49: VP Flight Line Details (Winter Raptor VPs – North Section)

Table 50: VP Flight Line Details (Core VPs – South Section)

Table 51: VP Flight Line Details (Winter Goose VPs – South Section)

Table 52: VP Flight Line Details (Winter Raptor VPs – South Section)

Table 53: VP Flight Line Details (Diver VPs – South Section)

Appendix E. Conservation Status of all Recorded Bird Species

Table 54: Conservation Status of all Recorded Bird Species

Appendix F. Vantage Point Survey Ground and Heard-Only Registrations of Target Species

Table 55: Point Registrations from VP Surveys (Core VPs, Winter Goose VPs, Winter Raptor VPs – North Section)

Table 56: Point Registrations from VP Surveys (Core VPs, Goose Roost VPs, Winter Raptor VPs, and Diver VPs – South Section)