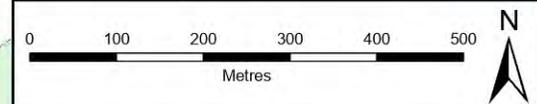


- Site Boundary
- Proposed Substation Design
- Temporary Settlement Pond
- Temporary Earthworks
- Temporary Compound
- Temporary Access Track
- Permanent Access Track
- Substation Platform
- Tower Platform
- Permanent Earthworks (Towers)
- Permanent Earthworks
- Detention Pond
- Watercourse Diversion
- Mounded Verge
- Proposed Woodland Screening



SCALE: See Scale Bar
 SIZE: A4
 PROJECT: 0697221
 DATE: 06/11/2024

VERSION: A03
 DRAWN: CR
 CHECKED: DN
 APPROVED: RF

Figure 1.1
Proposed Development Infrastructure



PROJECTION: British National Grid

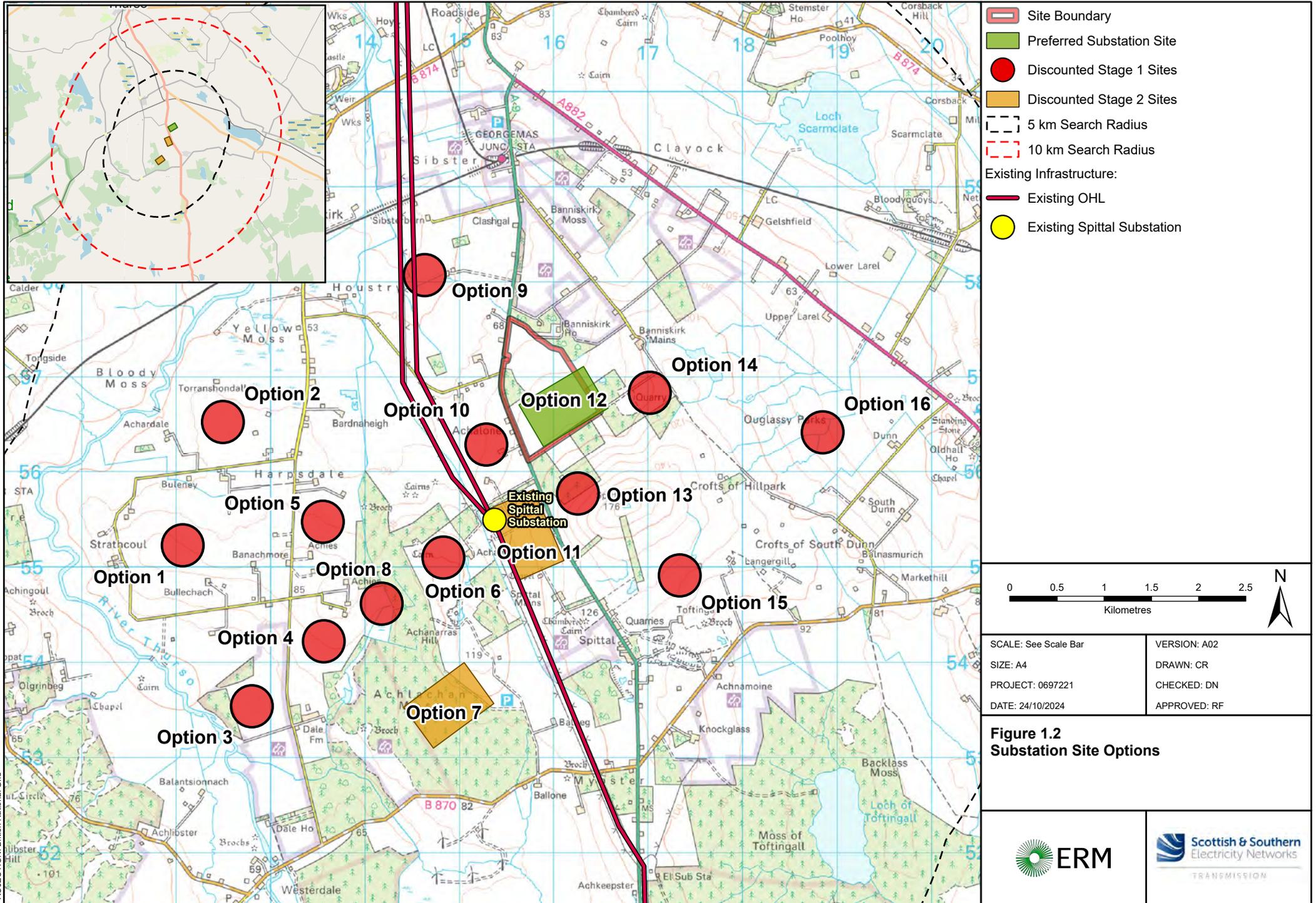
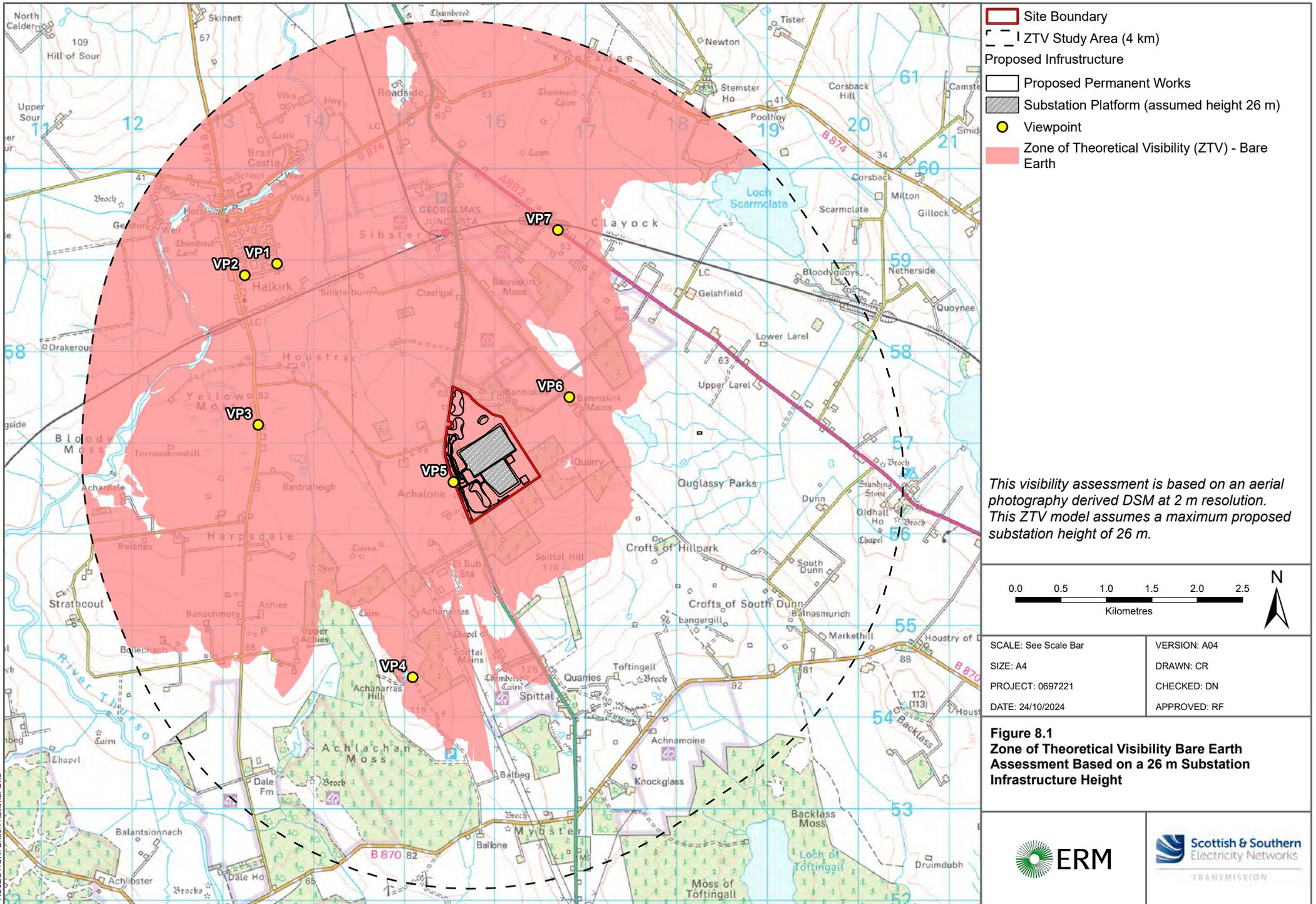


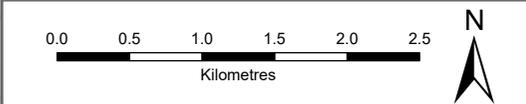
Figure 1.2
Substation Site Options



PROJECTION: British National Grid



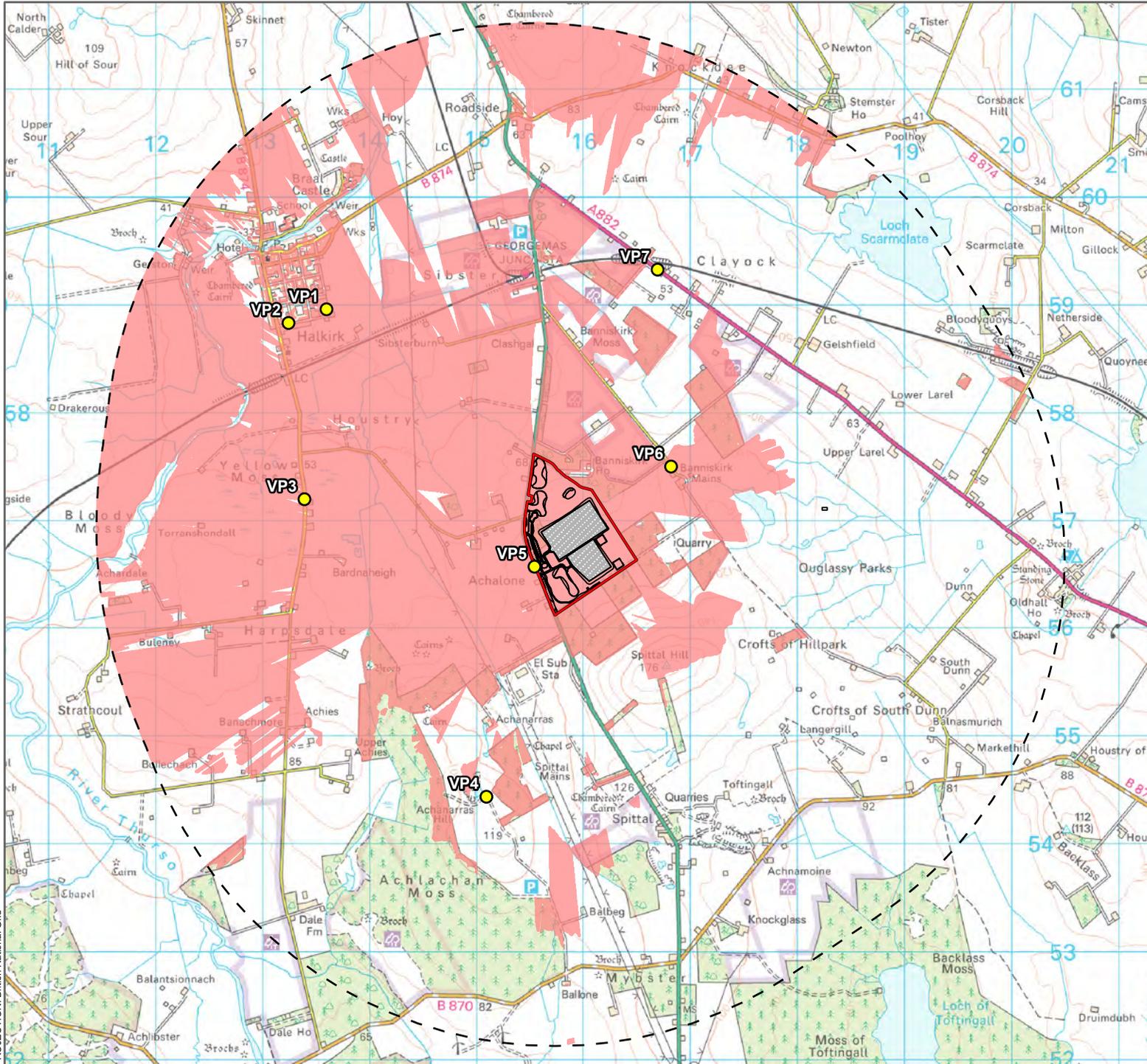
This visibility assessment is based on an aerial photography derived DSM at 2 m resolution. This ZTV model assumes a maximum proposed substation height of 26 m.



SCALE: See Scale Bar	VERSION: A04
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: DN
DATE: 24/10/2024	APPROVED: RF

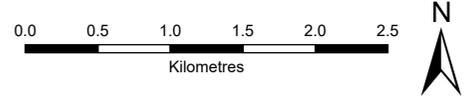
Figure 8.1
Zone of Theoretical Visibility Bare Earth
Assessment Based on a 26 m Substation
Infrastructure Height

PROJECTION: British National Grid



- Site Boundary
- ZTV Study Area (4 km)
- Proposed Infrastructure
 - Proposed Permanent Works
 - Substation Platform (assumed height 26 m)
 - Viewpoint
 - Zone of Theoretical Visibility (ZTV) - Screened

*This visibility assessment is based on an aerial photography derived DSM at 2 m resolution. This ZTV model assumes:
 an average tree height of 30 m;
 an average building height of 10 m;
 a maximum proposed substation height of 26 m.*



SCALE: See Scale Bar	VERSION: A03
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: DN
DATE: 24/10/2024	APPROVED: JF

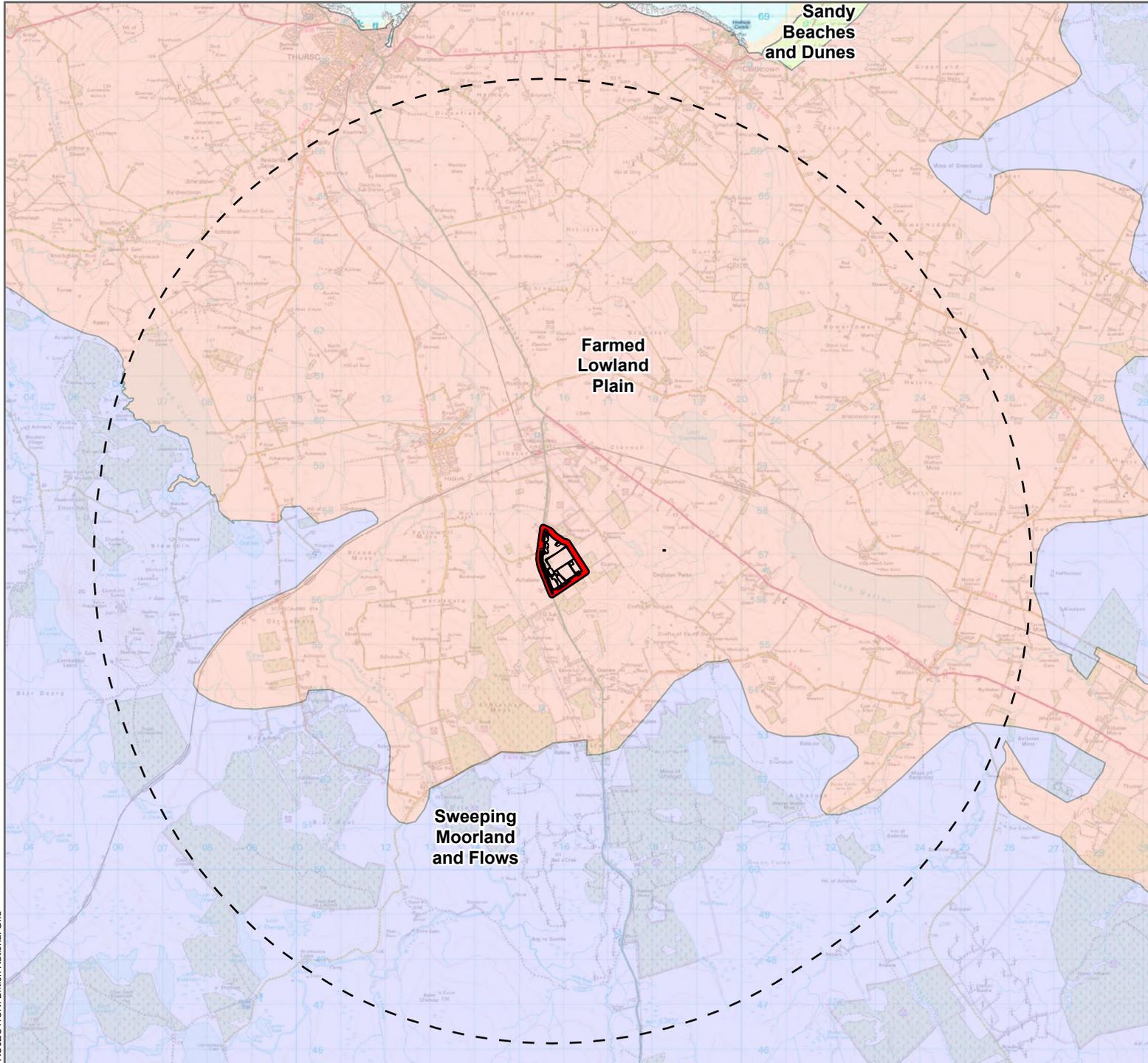
Figure 8.2
Zone of Theoretical Visibility Screened
Assessment Based on a 26 m Substation
Infrastructure Height





TRANSMISSION

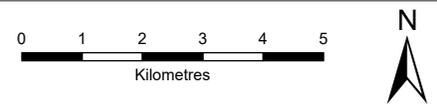
PROJECTION: British National Grid



Site Boundary
 Site Boundary

Proposed Infrastructure
 Proposed Permanent Works
 10 km Buffer of Site Boundary

Landscape Character Types (LCTs)
LCT
 Farmed Lowland Plain
 Sandy Beaches and Dunes
 Sweeping Moorland and Flows



SCALE: See Scale Bar	VERSION: A03
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: DN
DATE: 24/10/2024	APPROVED: RF

**Figure 8.3
 Landscape Character Types (LCTs)
 & Designations**

PROJECTION: British National Grid

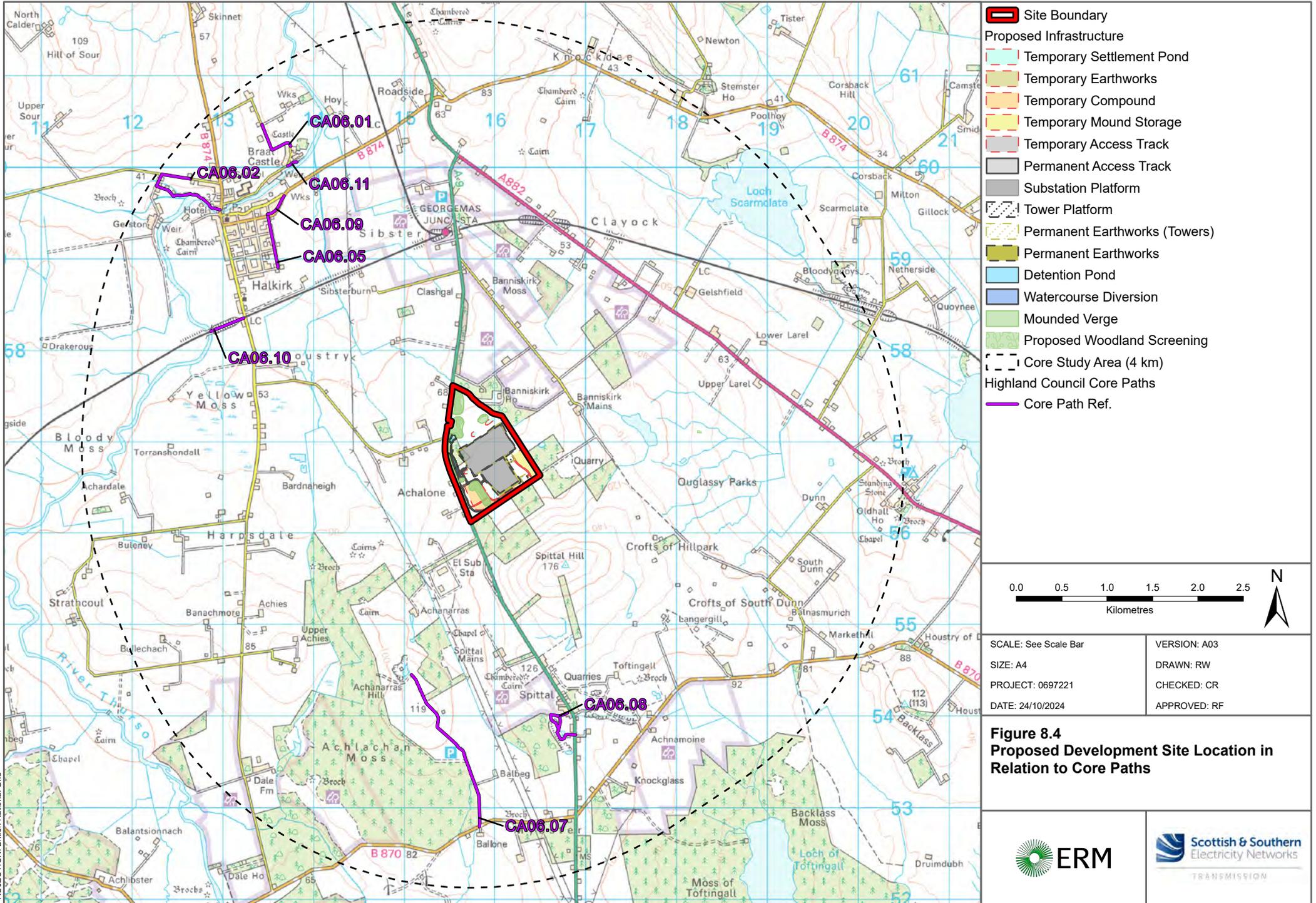


Figure 8.4
Proposed Development Site Location in Relation to Core Paths

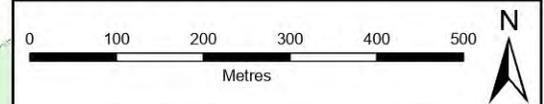


PROJECTION: British National Grid



- Site Boundary
- Proposed Infrastructure**
- Substation Platform
- Permanent Access Track
- Temporary Access Track
- Earthwork Fill/Cut Seeded with low maintenance wildflower and grasses seed mix (or similar approved)
- SUDs Pond and Banks of Realigned Watercourse Wet wildflower meadow seed mix (or similar approved)
- Proposed Native Species Low Maintenance Meadow Mix Low maintenance wildflower and grasses seed mix (or similar approved)
- Proposed Mounds/Bunds Seeded with low maintenance wildflower and grasses seed mix where not planted with trees/scrub (or similar approved)
- Proposed Native Species Woodland and Scrub Mix Planted with transplants 60-80 cm high using locally native species including Rowan (*Sorbus aucuparia*), Field Maple (*Acer campestre*), Willow (*Salix caprea*), Blackthorn (*Prunus spinosa*), Holly (*Ilex aquifolium*), Hazel (*Corylus avellana*), Hawthorn (*Crataegus monogyna*) and Bird Cherry (*Prunus padus*)
- Realigned Watercourse

NOTES: All planting to be protected from deer incursion/attack by deer-proof fencing with access gates for maintenance

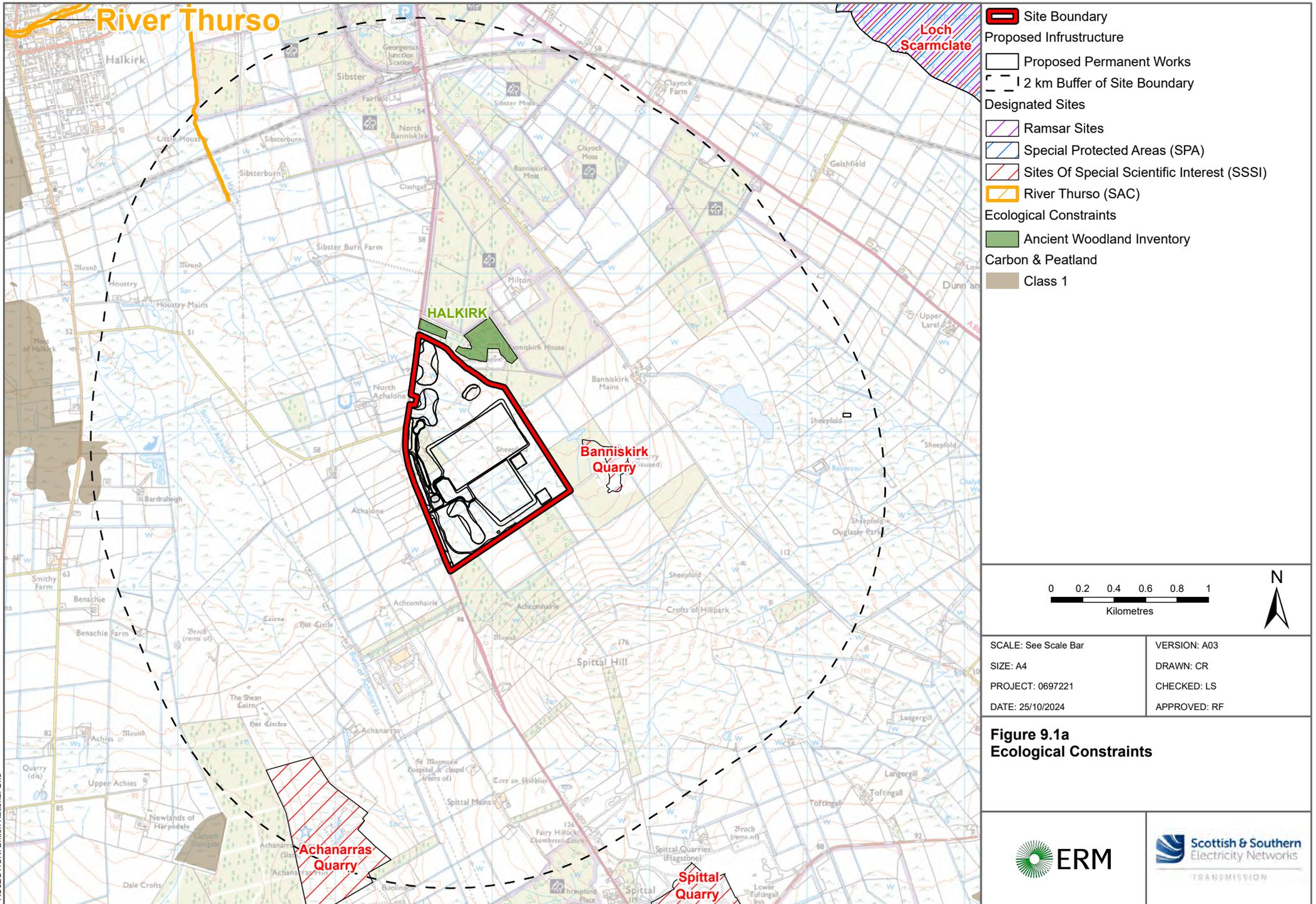


SCALE: See Scale Bar	VERSION: A03
SIZE: A4	DRAWN: DN
PROJECT: 0697221	CHECKED: BM
DATE: 14/11/2024	APPROVED: KG

Figure 8.5
Landscape Mitigation



PROJECTION: British National Grid



Site Boundary

Proposed Infrastructure

- Proposed Permanent Works
- 2 km Buffer of Site Boundary

Designated Sites

- Ramsar Sites
- Special Protected Areas (SPA)
- Sites Of Special Scientific Interest (SSSI)
- River Thurso (SAC)

Ecological Constraints

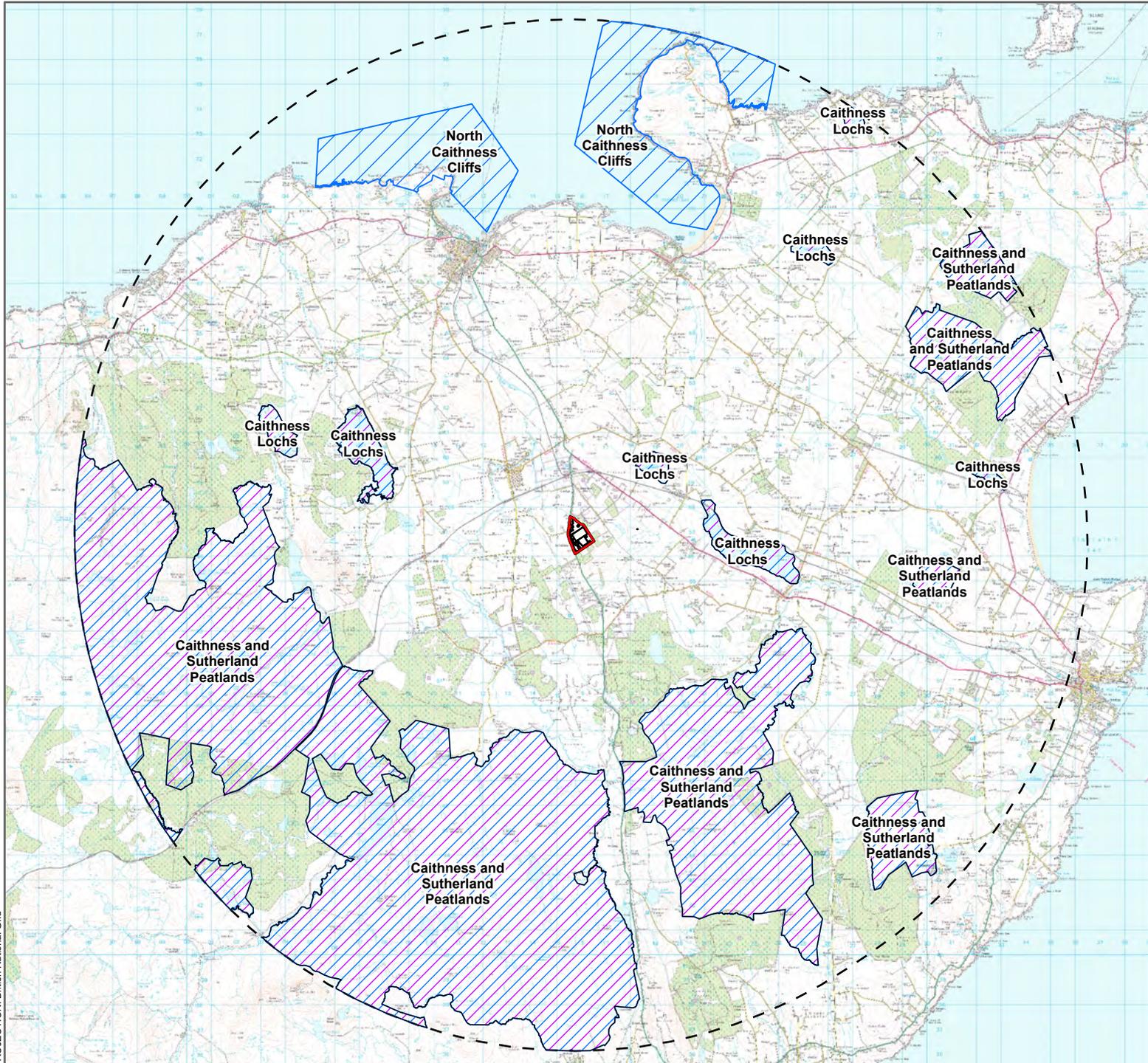
- Ancient Woodland Inventory
- Carbon & Peatland
- Class 1



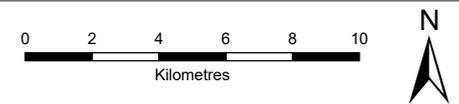
SCALE: See Scale Bar	VERSION: A03
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: LS
DATE: 25/10/2024	APPROVED: RF

Figure 9.1a
Ecological Constraints

PROJECTION: British National Grid



- Site Boundary
- Proposed Infrastructure
- Proposed Permanent Works
- Bird Boundaries & Buffers
- 20 km Buffer of Site Boundary
- Ramsar
- Special Protected Area (SPA)



SCALE: See Scale Bar	VERSION: A02
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: LS
DATE: 25/10/2024	APPROVED: RF

Figure 9.1b
Ramsar & Special Protection Areas (SPAs)



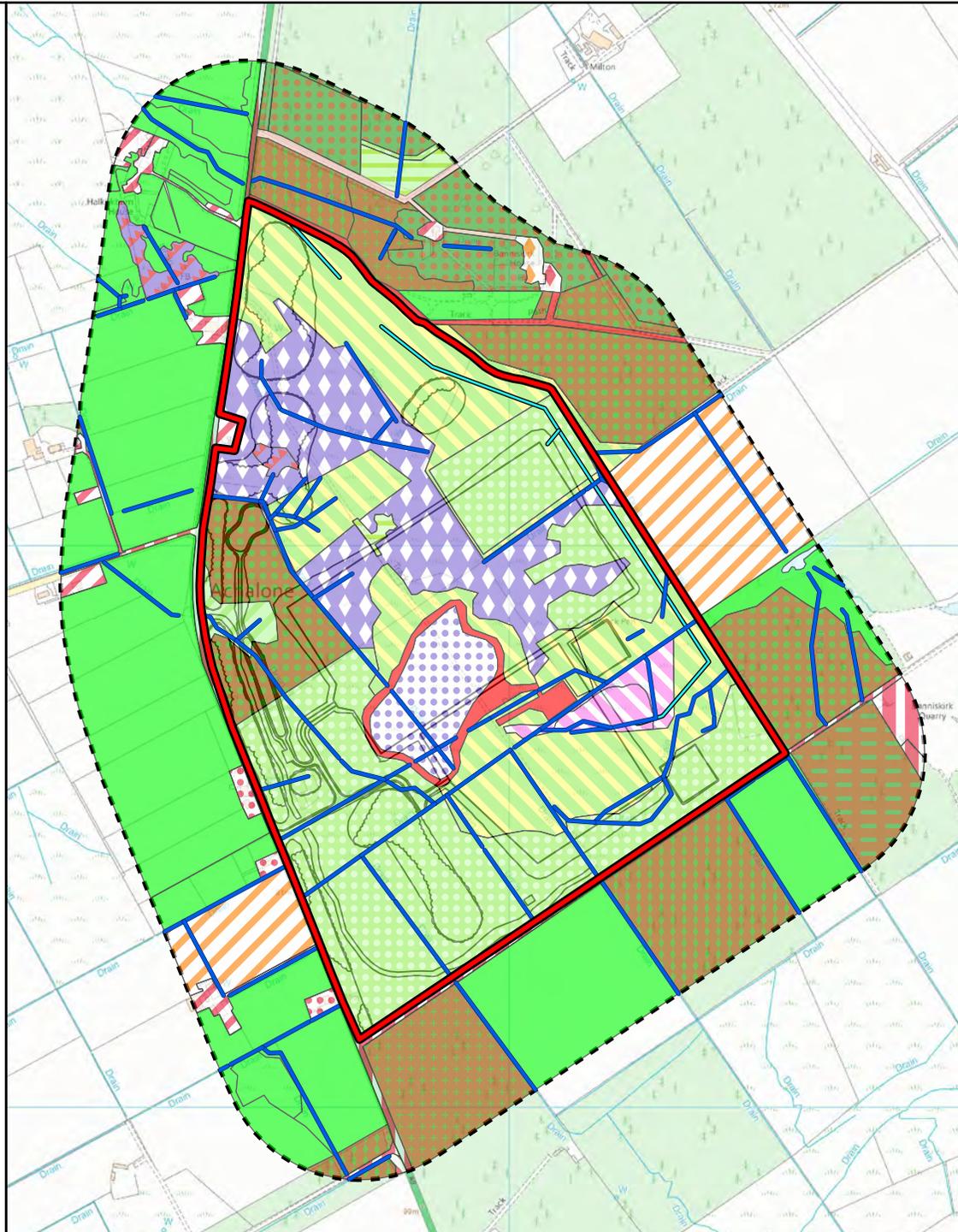


TRANSMISSION

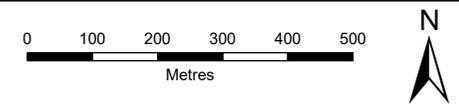
PROJECTION: British National Grid

UK Habitat Classification:

-  c1 - arable and horticulture
-  c1f - horticulture
-  f1a - blanket bog
-  g1a6 - Other lowland dry acid grassland
-  g3 - neutral grassland
-  g3c - other neutral grassland
-  g3c8 - Holcus-Juncus neutral grassland
-  g4 - modified grassland
-  h1b5 - dry heaths, upland (H4030)
-  h1b6 - wet heathland with cross-leaved heath, upland (H4010)
-  h3e - gorse scrub
-  u1 - built-up areas and gardens
-  u1a - open mosaic habitats on previously developed land
-  u1b - developed land, sealed surface
-  u1b5 - buildings
-  u1d - suburban mosaic of developed/natural surfaces
-  u1e - built linear features
-  w1c6 - Beech forests on neutral to rich soils (H9130)
-  w1f7 - other lowland mixed deciduous woodland
-  w1g - other woodland, broadleaved
-  w1h - other woodland, mixed
-  w1h5 - other woodland, mixed, mainly broadleaved
-  w1h6 - other woodland, mixed, mainly conifer
-  r1g - other standing water
-  r2b - other rivers and streams



-  Site Boundary
- Proposed Site Infrastructure
-  Proposed Permanent Works
-  Habitat Survey Area (250 m Buffer of Site Boundary)

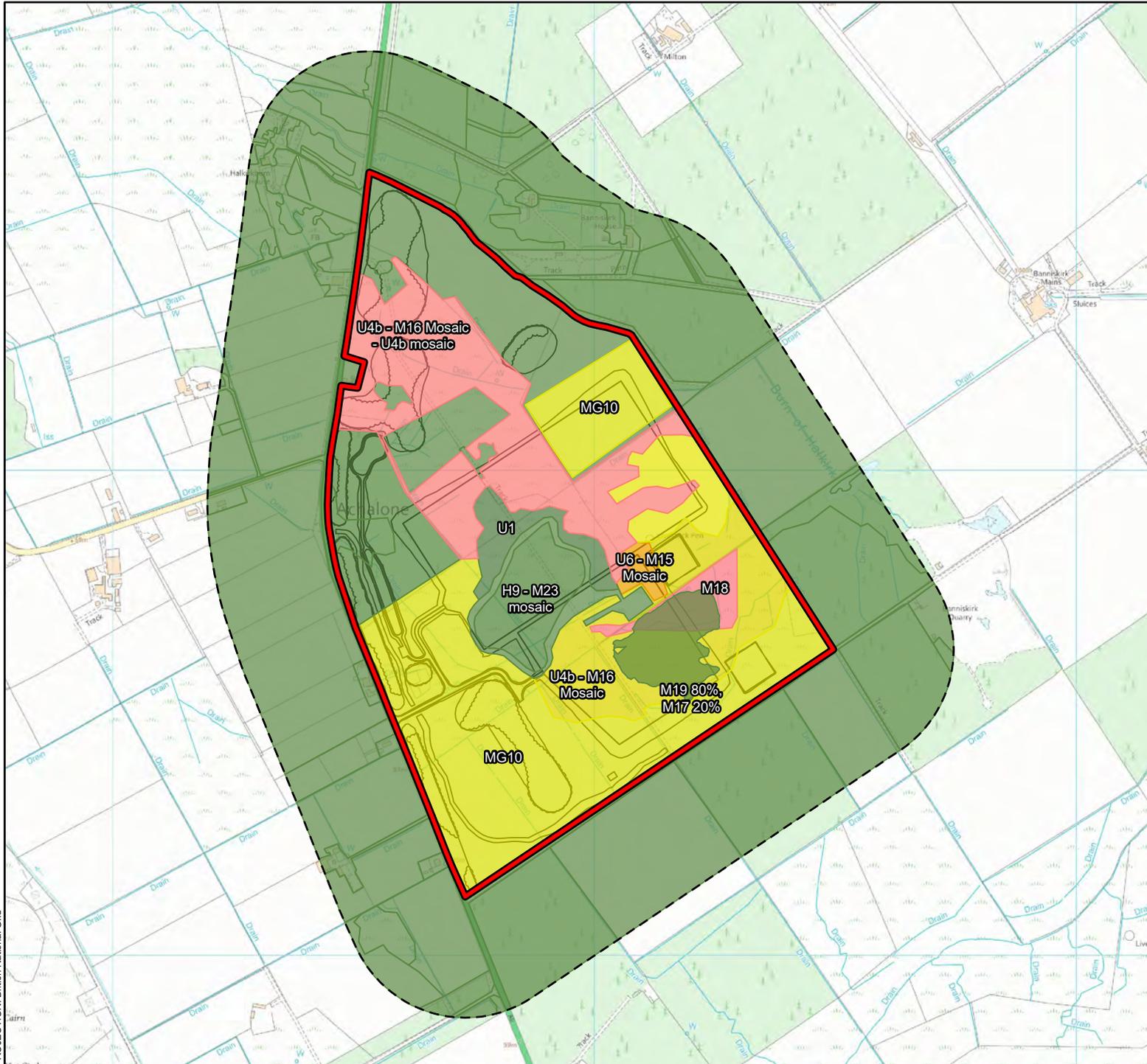


SCALE: See Scale Bar	VERSION: A04
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: LS
DATE: 25/10/2024	APPROVED: RF

Figure 9.2a
UK Habitat Classification



PROJECTION: British National Grid



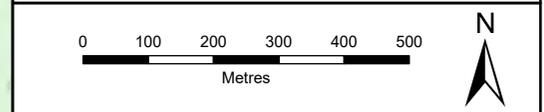
Site Boundary

Proposed Site Infrastructure

- Proposed Permanent Works
- Habitat Survey Area (250 m Buffer of Site Boundary)

GWDTE

- Low
- Low - Moderate
- Moderate
- Moderate - High
- High



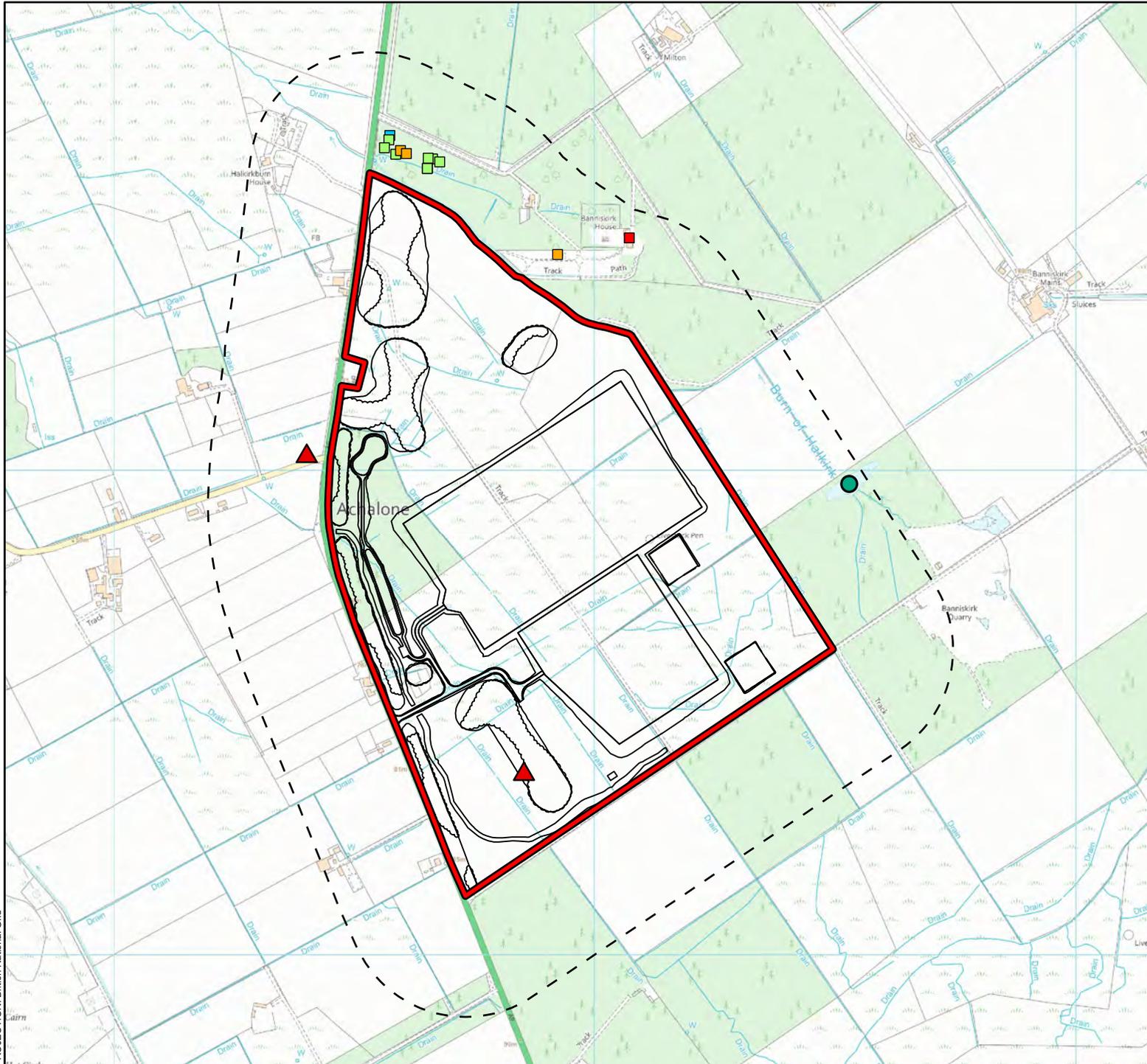
SCALE: See Scale Bar
 SIZE: A4
 PROJECT: 0697221
 DATE: 25/10/2024

VERSION: A03
 DRAWN: CR
 CHECKED: LS
 APPROVED: RF

Figure 9.2b
Groundwater Dependent Terrestrial Ecosystems (GWDTE), with National Vegetation Classification (NVC)



PROJECTION: British National Grid



Site Boundary

Proposed Infrastructure

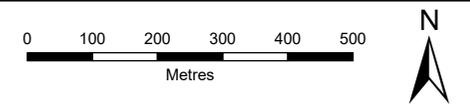
- Proposed Permanent Works
- Protected Species Walkover Survey Area (250 m Buffer of Site Boundary)

Protected Species

- Amphibian
- Bird

Bat Roost Suitability:

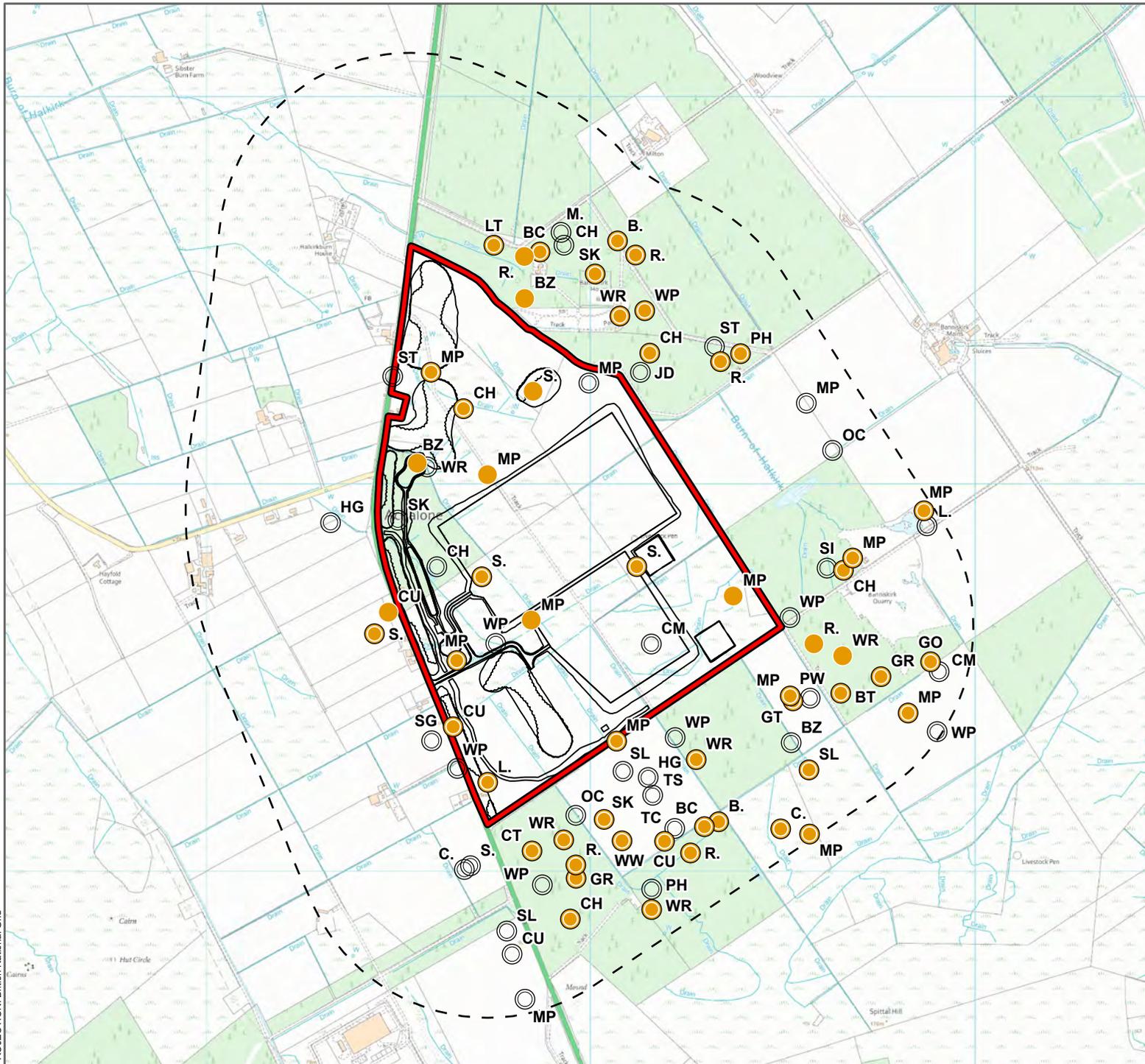
- High
- Moderate
- Low
- Negligible



SCALE: See Scale Bar	VERSION: A03
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: LS
DATE: 25/10/2024	APPROVED: RF

Figure 9.3
Protected Species

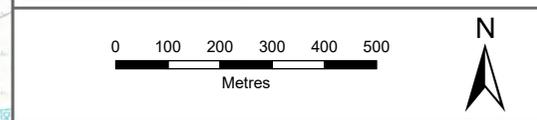
PROJECTION: British National Grid



Site Boundary
 Proposed Infrastructure
 Proposed Permanent Works
 Breeding Bird Survey Area [500 m Buffer of Site Boundary]

Breeding Bird Survey Status
 Non-breeding
 Possible
 Probable

Species	Name	Species	Name
B.	Blackbird	MP	Meadow Pipit
BC	Blackcap	OC	Oystercatcher
BT	Blue Tit	PH	Pheasant
BZ	Buzzard	PW	Pied Wagtail
C.	Carrion Crow	R.	Robin
CH	Chaffinch	S.	Skylark
CM	Common Gull	SG	Starling
CT	Coal Tit	SI	Swift
CU	Curlew	SK	Siskin
GO	Goldfinch	SL	Swallow
GR	Greenfinch	ST	Song Thrush
GT	Great Tit	TC	Tree Creeper
HG	Herring Gull	TS	Tree Sparrow
JD	Jackdaw	WP	Woodpigeon
L.	Lapwing	WR	Wren
LT	Long-tailed Tit	WW	Willow Warbler
M.	Mistle Thrush		

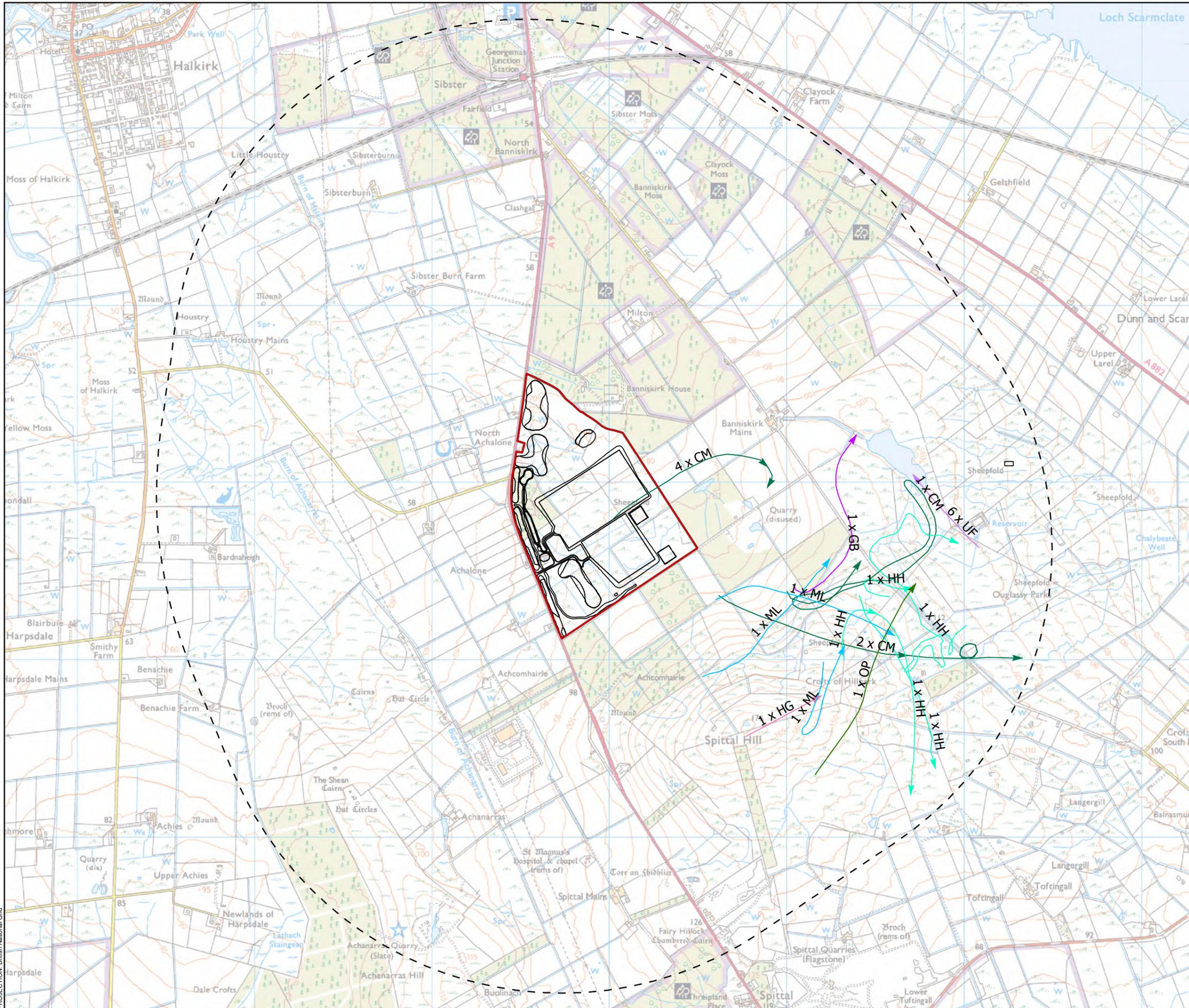


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VERSION: A03
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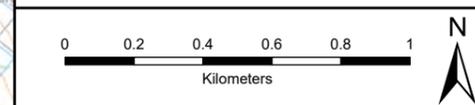
Figure 9.4
Breeding Bird Survey





- Site Boundary
- Flight Activity Survey Area [2 km Buffer of Site Boundary]
- Flight Activity Species**
- CM
- GB
- HG
- HH
- ML
- OP
- UF

Species Code	Species Name
CM	Common Gull
GB	Great Black-backed
HG	Herring Gull
HH	Hen Harrier
ML	Merlin
OP	Osprey
UF	Unidentified Yellow-billed Swan

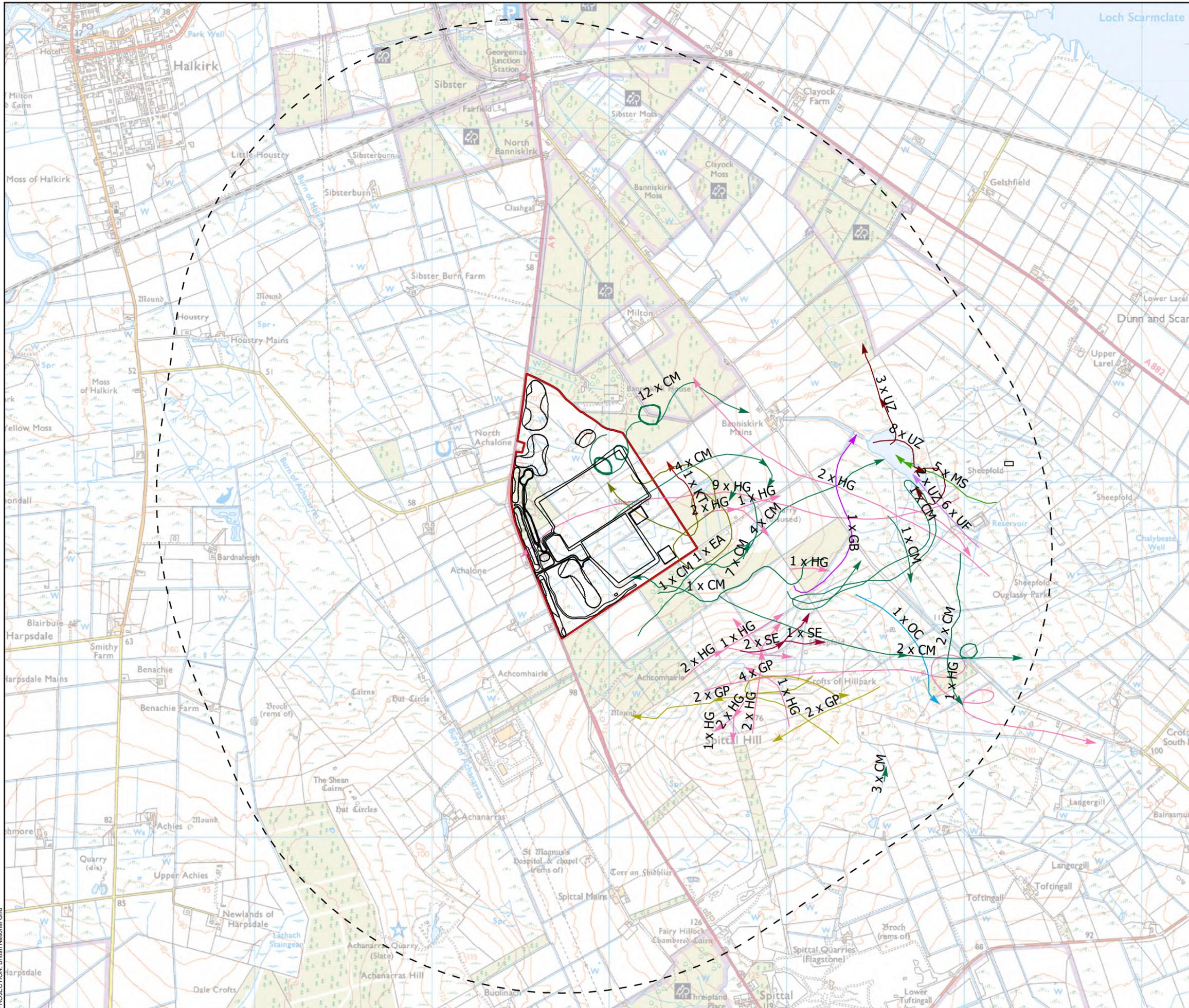


SCALE: See Scale Bar	VERSION: A02
SIZE: A3	DRAWN: CR
PROJECT: 0697221	CHECKED: LS
DATE: 30/10/2024	APPROVED: RF

Figure 9.5a
Flight Activity Survey Results 2023

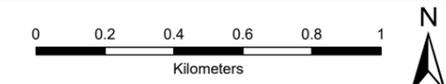


PROJECTION: British National Grid



- Site Boundary
- Proposed Site Infrastructure
- Proposed Permanent Works
- Flight Activity Survey Area [2 km Buffer of Site Boundary]
- Flight Activity Species
- CM
- EA
- GB
- GP
- HG
- KT
- MS
- OC
- SE
- UF
- UZ

Species Code	Species Name
CM	Common Gull
EA	Golden Eagle
GB	Great Black-backed
GP	Golden Plover
HG	Herring Gull
KT	Red Kite
MS	Mute Swan
OC	Oystercatcher
SE	Short-eared Owl
UF	Unidentified Yellow-billed Swan
UZ	Hybrid Gull

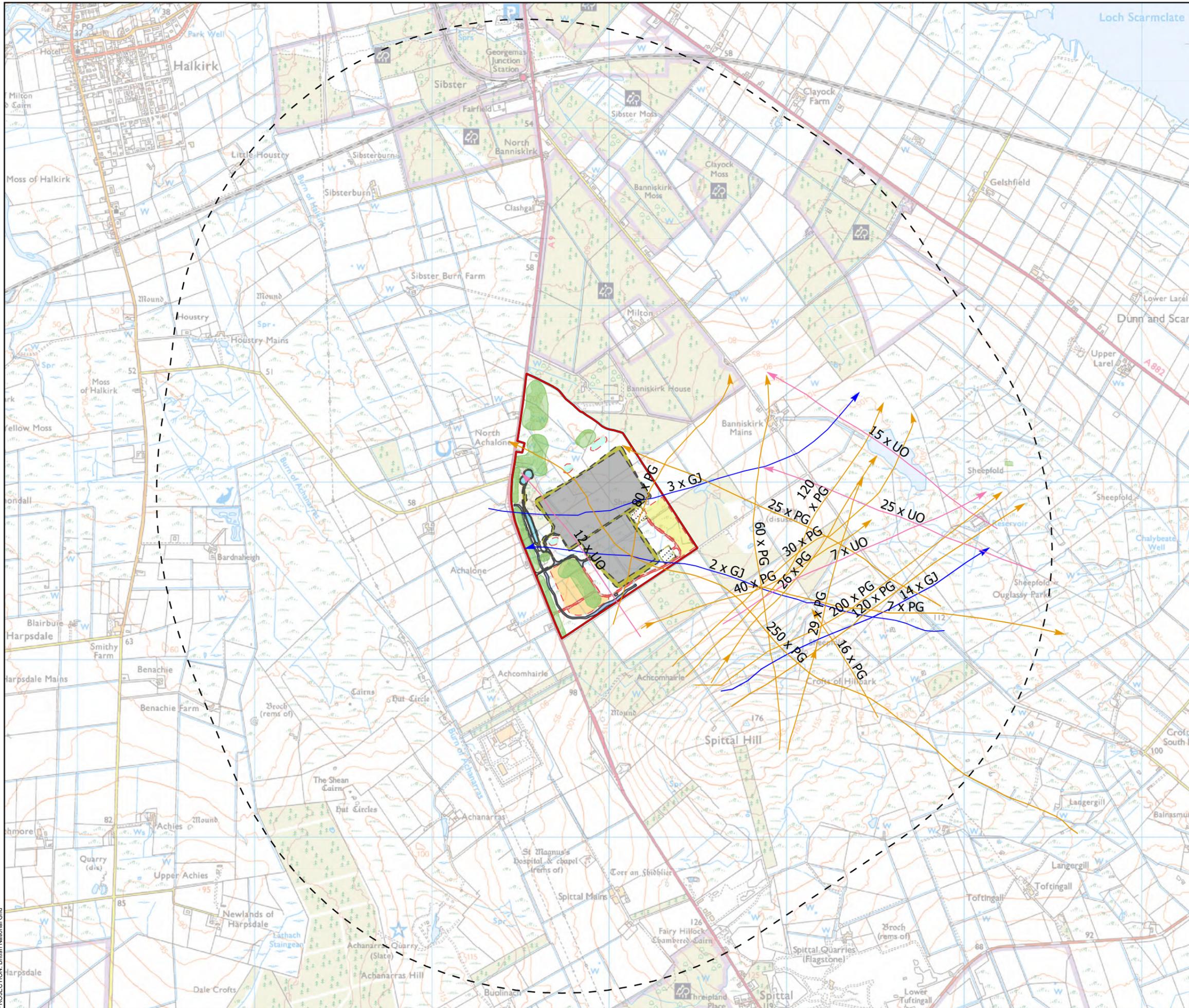


SCALE: See Scale Bar	VERSION: A02
SIZE: A3	DRAWN: CR
PROJECT: 0697221	CHECKED: LS
DATE: 30/10/2024	APPROVED: RF

Annex Figure 9.5b
Flight Activity Survey Results 2024

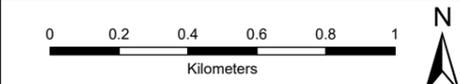


PROJECTION: British National Grid



- Site Boundary
- Proposed Infrastructure**
- Temporary Settlement Pond
- Temporary Earthworks
- Temporary Compound
- Temporary Mound Storage
- Temporary Access Track
- Permanent Access Track
- Substation Platform
- Tower Platform
- Permanent Earthworks (Towers)
- Permanent Earthworks
- Detention Pond
- Watercourse Diversion
- Mounded Verge
- Proposed Woodland Screening
- 2 km Buffer of Site Boundary
- Winter Goose Species**
- GJ
- PG
- UO

Species Code	Species Name
GJ	Greylag Goose
PG	Pink-footed Goose
UO	Unidentified Goose

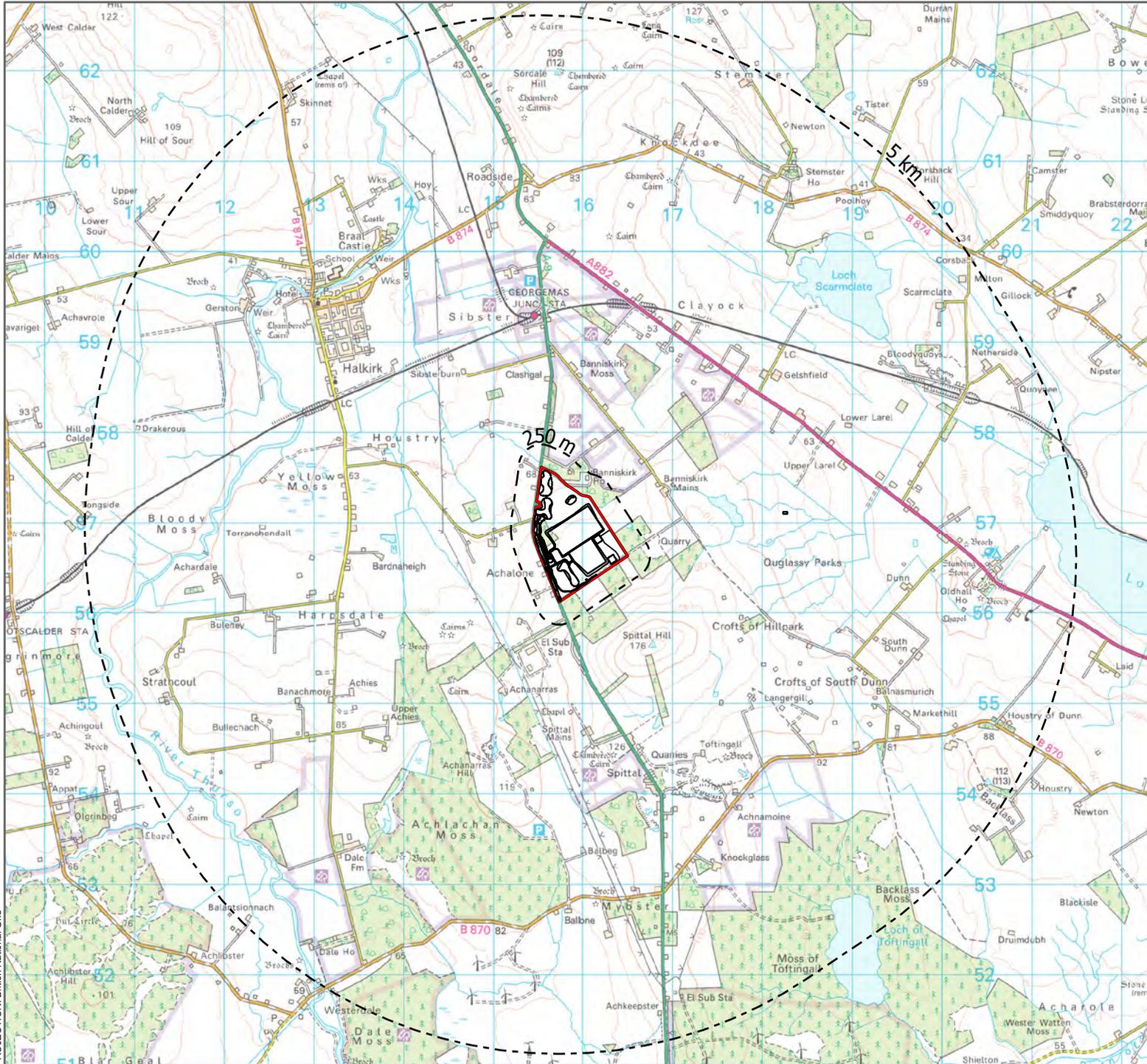


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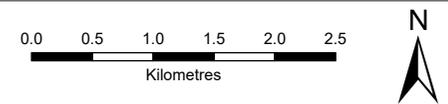
Figure 9.6
Goose Roost Waterfowl Flights



PROJECTION: British National Grid



- Site Boundary
- Proposed Infrastructure
- Proposed Permanent Works
- Site Boundaries
- Non-Designated Sites Study Area (250 m Buffer of Site Boundary)
- Designated Sites Study Area (5 km Buffer of Site Boundary)



SCALE: See Scale Bar	VERSION: A02
SIZE: A4	DRAWN: CR
PROJECT: 0697221	CHECKED: LT
DATE: 25/10/2024	APPROVED: RF

Figure 10.1
Cultural Heritage Study Areas

TRANSMISSION

PROJECTION: British National Grid