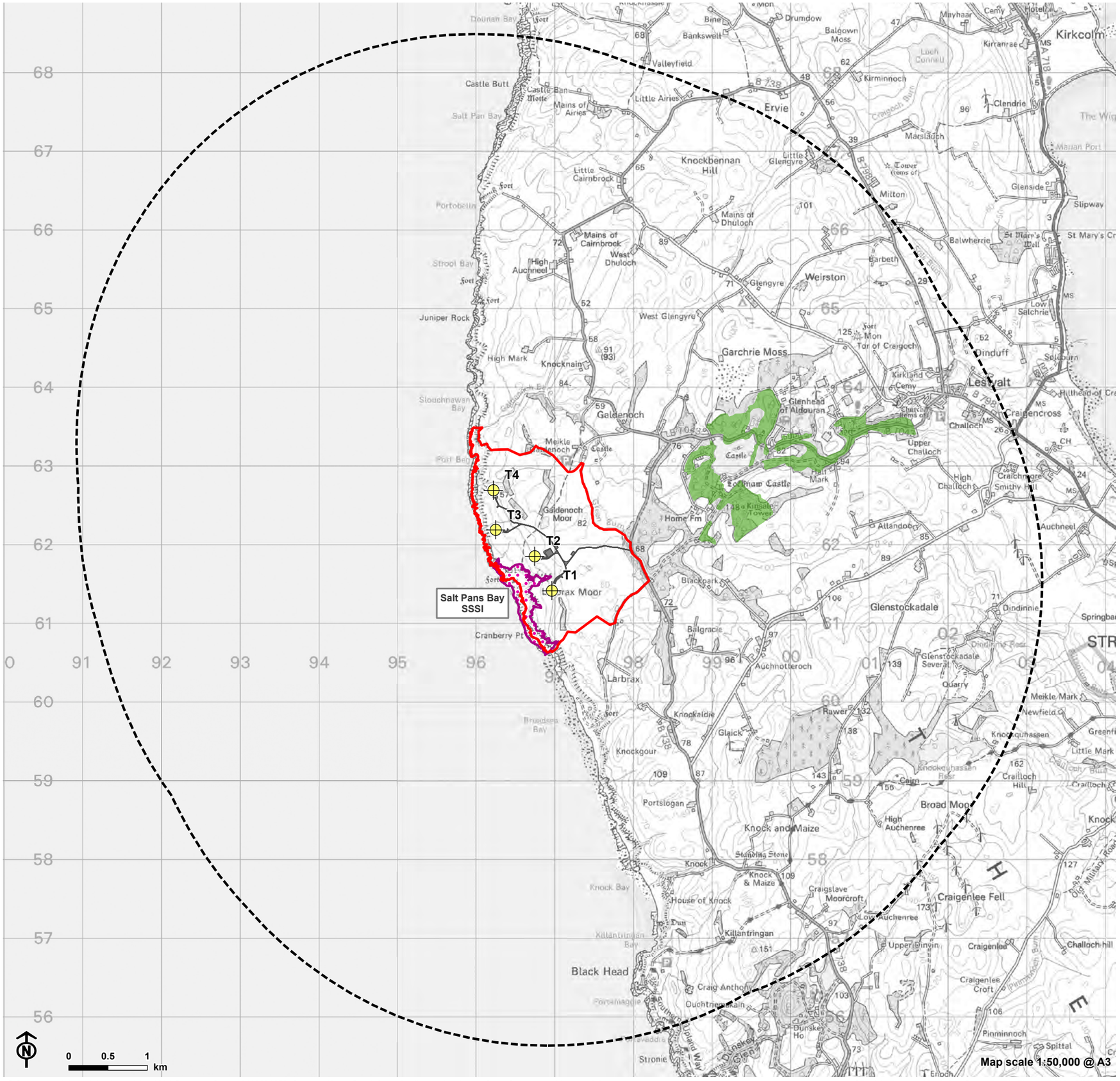
Chapter 7: Ecology - Figures

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.1: Ecological Designated Sites and Ancient Woodland within 5 km



MacArthur Green

Ørsted

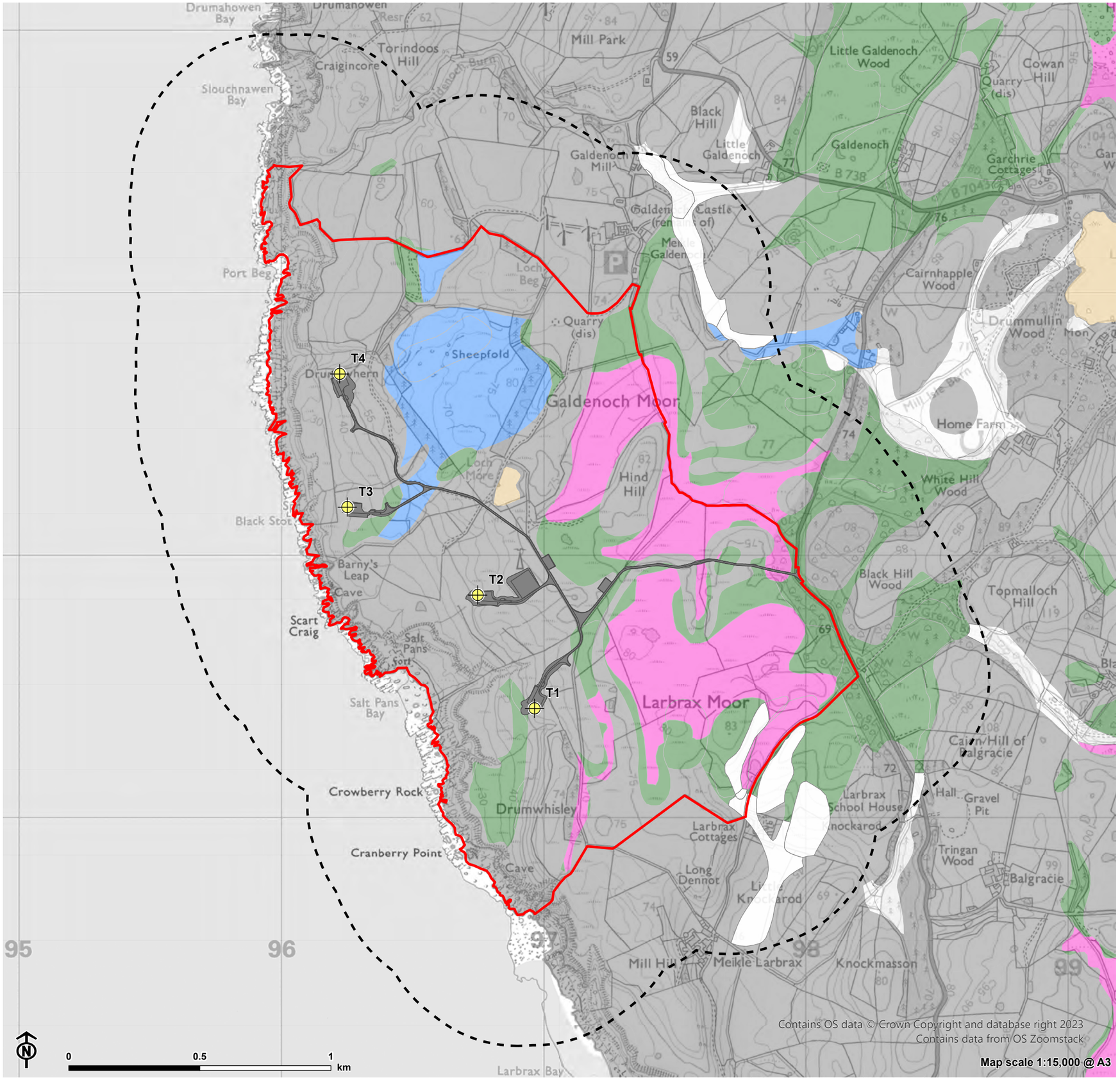
© Crown copyright and database rights 2024 Ordnance Survey 0100031673. Contains NatureScot information licensed under the Open Government Licence v3.0.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 12/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.2: Carbon and Peatland Map 2016



Site Boundary

Turbine

Infrastructure

500m Distance Band

Carbon and Peatland 2016

Class -2: Non-soil

Class 0: Mineral Soil

Class 1: Nationally important carbon-rich soils, deep peat and priority peatland habitat. Areas likely to be of high conservation value

Class 3: Dominant vegetation cover is not priority peatland habitat but is associated with wet and acidic type. Occasional peatland habitats can be found. Most soils are carbon-rich soils, with some areas of deep peat

Class 4: Area unlikely to be associated with peatland habitats or wet and acidic type. Area unlikely to include carbon-rich soils

Class 5: Soil information takes precedence over vegetation data. No peatland habitat recorded. May also include areas of bare soil. Soils are carbon-rich and deep peat

Ørsted

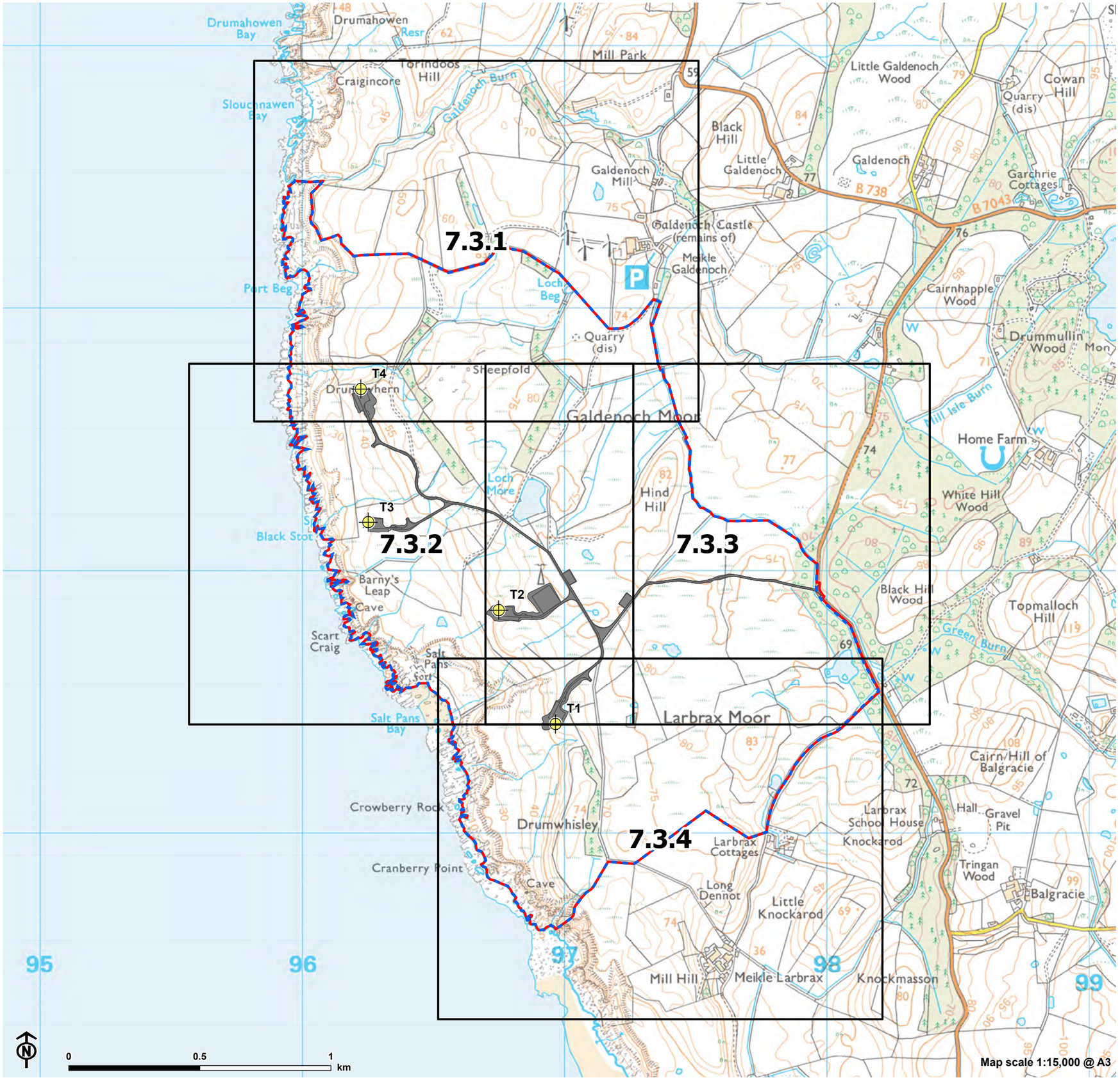
© Crown copyright and database rights 2024 Ordnance Survey 0100031673. Contains NatureScot information licensed under the Open Government Licence v3.0.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 12/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.3: National Vegetation Classification Survey Area and Survey Results Overview



Site Boundary
Turbine
Infrastructure
NVC Survey Area
Tile Extent/Figure Number

MacArthur Green

Ørsted

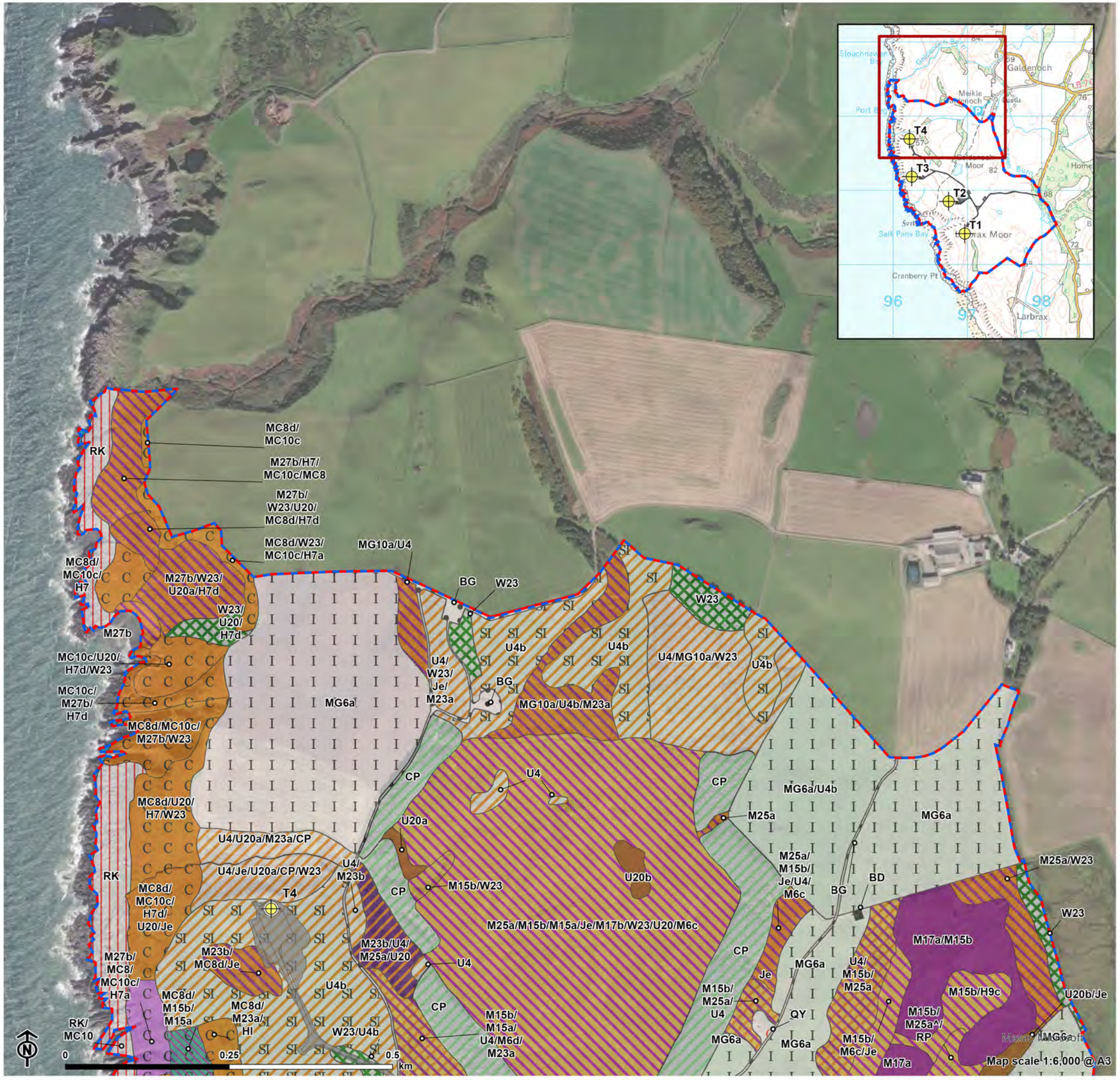
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 13/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.3.1: National Vegetation Classification Survey Area and Survey Results



Survey Areas

- NVC Survey Area

Phase 1 Habitat Description (Code)

- Coniferous Plantation Woodland (A1.2.2)
- Dense/Continuous Scrub (A2.1)
- Unimproved Acid Grassland (B1.1)
- Unimproved Acid Grassland/Marsh/Marshy Grassland Mosaic (B1.1/B5)
- Semi-Improved Acid Grassland (B1.2)
- Improved Grassland (B4)
- Marsh/Marshy Grassland (B5)
- Marsh/Marshy Grassland/Coastal Grassland Mosaic (B5/H8.4)
- Continuous Bracken (C1.1)
- Wet Dwarf Shrub Heath (D2)
- Wet Dwarf Shrub Heath/Coastal Grassland Mosaic (D2/H8.4)
- Wet Heath/Acid Grassland Mosiac (D6)
- Blanket Bog (E1.6.1)
- Standing Water (G1)
- Running Water (G2)
- Maritime Cliff: Hard (H8.1)
- Maritime Slope: Grassland (H8.4)
- Quarry (I2.1)
- Building (J3.6)
- Bare Ground (J4)

MacArthur Green

Ørsted

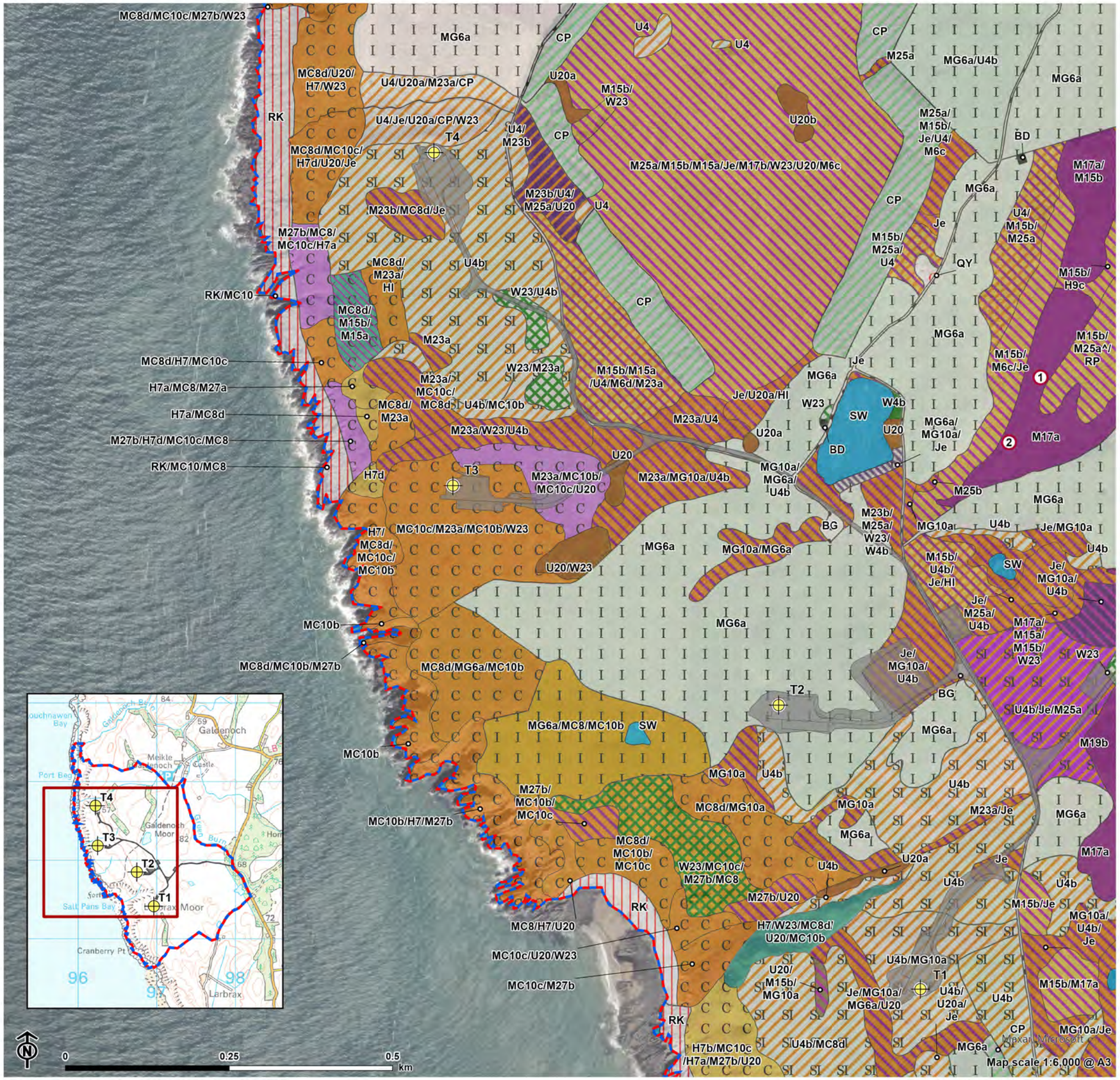
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.3.2: National Vegetation Classification Survey Area and Survey Results



Site Boundary
Turbine
Infrastructure

Survey Areas
- NVC Survey Area
- Habitat Target Note

Phase 1 Habitat Description (Code)
- Broad-Leaved Semi-Natural Woodland (A1.1.1)
- Coniferous Plantation Woodland (A1.2.2)
- Dense/Continuous Scrub (A2.1)
- Dense/Continuous Scrub/Coastal Grassland Mosaic (A2.1/H8.4)
- Unimproved Acid Grassland (B1.1)
- Unimproved Acid Grassland/Marsh/Marshy Grassland Mosaic (B1.1/B5)
- Semi-Improved Acid Grassland (B1.2)
- Semi-Improved Acid Grassland/Marsh/Marshy Grassland Mosaic (B1.2/B5)
- Improved Grassland (B4)
- Improved Grassland/Marsh/Marshy Grassland Mosaic (B4/B5)
- Improved Grassland/Coastal Grassland Mosaic (B4/H8.4)
- Marsh/Marshy Grassland (B5)
- Marsh/Marshy Grassland/Coastal Grassland Mosaic (B5/H8.4)
- Continuous Bracken (C1.1)
- Continuous Bracken/Wet Dwarf Shrub Heath Mosaic (C1.1/D2)
- Wet Dwarf Shrub Heath (D2)
- Wet Dwarf Shrub Heath/Blanket Bog Mosaic (D2/E1.6.1)
- Wet Dwarf Shrub Heath/Coastal Grassland Mosaic (D2/H8.4)
- Wet Heath/Acid Grassland Mosiac (D6)
- Blanket Bog (E1.6.1)
- Standing Water (G1)
- Maritime Cliff: Hard (H8.1)
- Maritime Slope: Grassland (H8.4)
- Coastal Grassland/Coastal Heathland Mosaic (H8.4/H8.5)
- Maritime Slope: Heathland (H8.5)
- Quarry (I2.1)
- Building (J3.6)
- Bare Ground (J4)

MacArthur Green

Ørsted

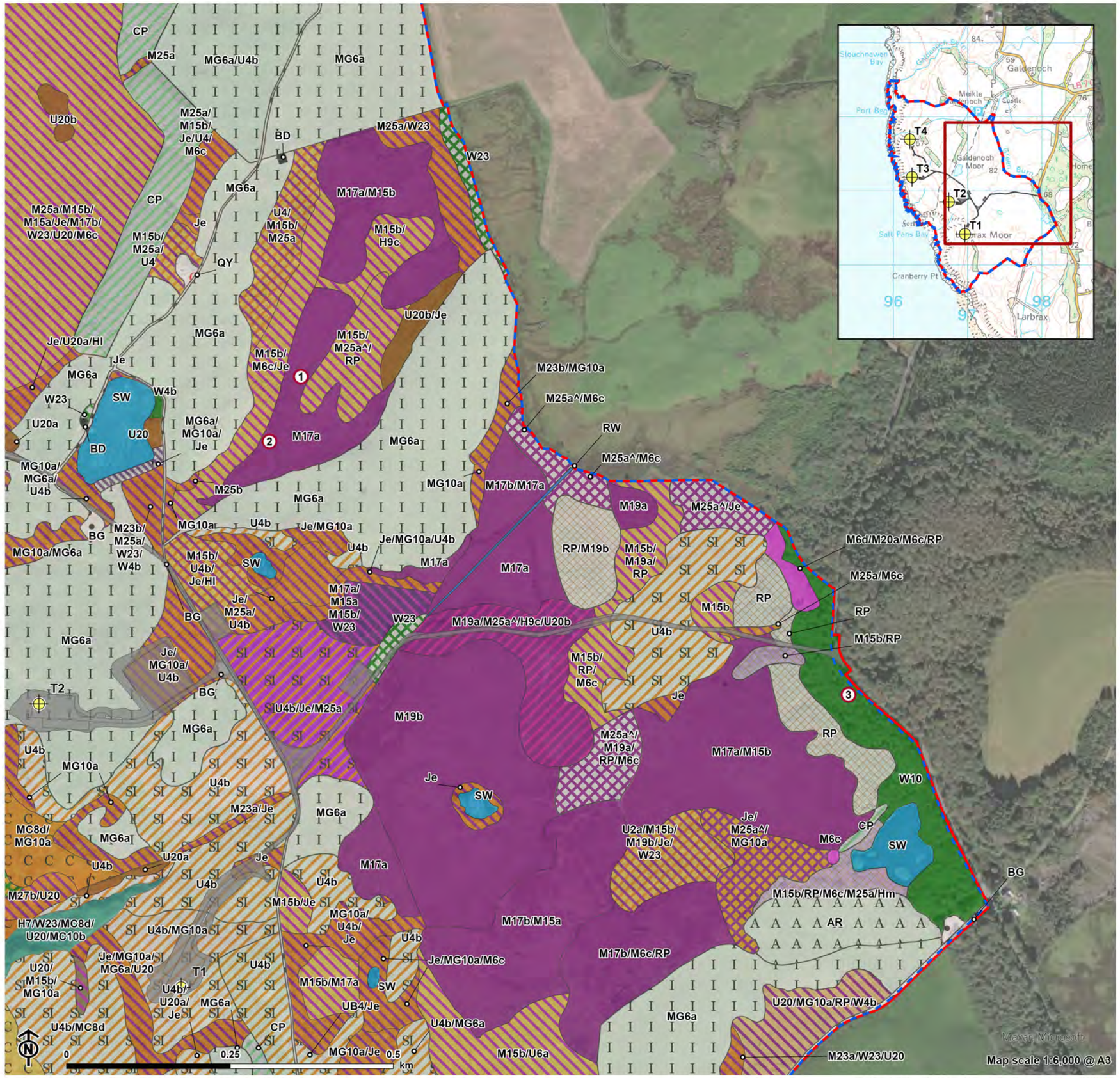
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.3.3: National Vegetation Classification Survey Area and Survey Results



MacArthur Green

Ørsted

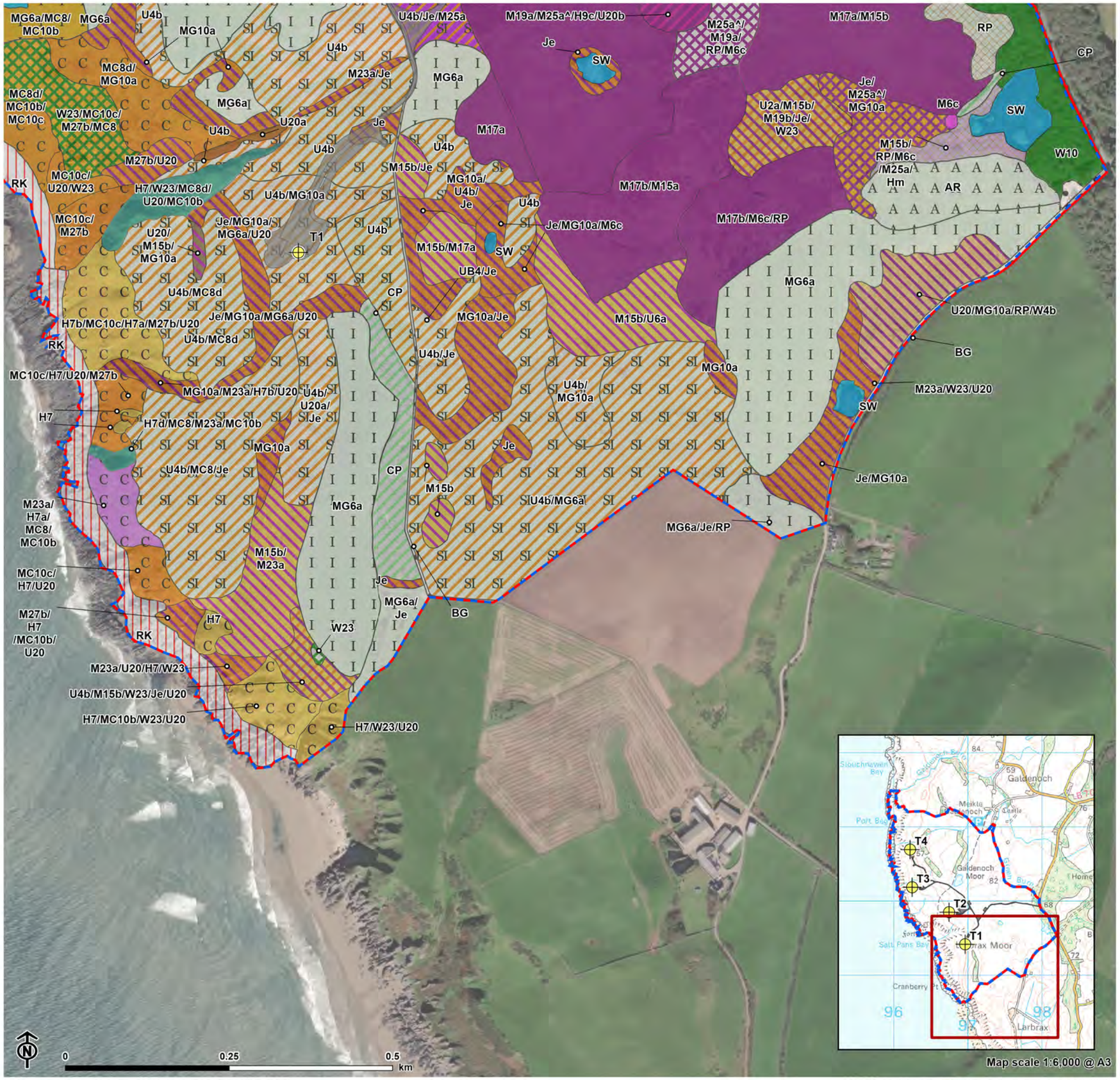
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.3.4: National Vegetation Classification Survey Area and Survey Results



Site Boundary

Turbine

Infrastructure

Survey Areas

NVC Survey Area

Phase 1 Habitat Description (Code)

- Broad-Leaved Semi-Natural Woodland (A1.1.1)
- Coniferous Plantation Woodland (A1.2.2)
- Dense/Continuous Scrub (A2.1)
- Dense/Continuous Scrub/Coastal Grassland Mosaic (A2.1/H8.4)
- Semi-Improved Acid Grassland (B1.2)
- Semi-Improved Acid Grassland/Marsh/Marshy Grassland Mosaic (B1.2/ B5)
- Improved Grassland (B4)
- Improved Grassland/Coastal Grassland Mosaic (B4/H8.4)
- Marsh/Marshy Grassland (B5)
- Marsh/Marshy Grassland/Scattered Bracken Mosaic (B5/C1.2)
- Marsh/Marshy Grassland/Wet Modified Bog Mosaic (B5/E1.7)
- Marsh/Marshy Grassland/Coastal Grassland Mosaic (B5/H8.4)
- Continuous Bracken (C1.1)
- Continuous Bracken/Wet Dwarf Shrub Heath Mosaic (C1.1/D2)
- Wet Dwarf Shrub Heath (D2)
- Wet Dwarf Shrub Heath/Introduced Shrub Mosaic (D2/J1.4)
- Wet Heath/Acid Grassland Mosiac (D6)
- Blanket Bog (E1.6.1)
- Blanket Bog/Wet Modified Bog Mosaic (E1.6.1/E1.7)
- Wet Modified Bog (E1.7)
- Acid Neutral Flush (E2.1)
- Standing Water (G1)
- Maritime Cliff: Hard (H8.1)
- Maritime Slope: Grassland (H8.4)
- Coastal Grassland/Coastal Heathland Mosaic (H8.4/H8.5)
- Maritime Slope: Heathland (H8.5)
- Arable (J1.1)
- Introduced Shrub (J1.4)
- Bare Ground (J4)

MacArthur Green

Ørsted

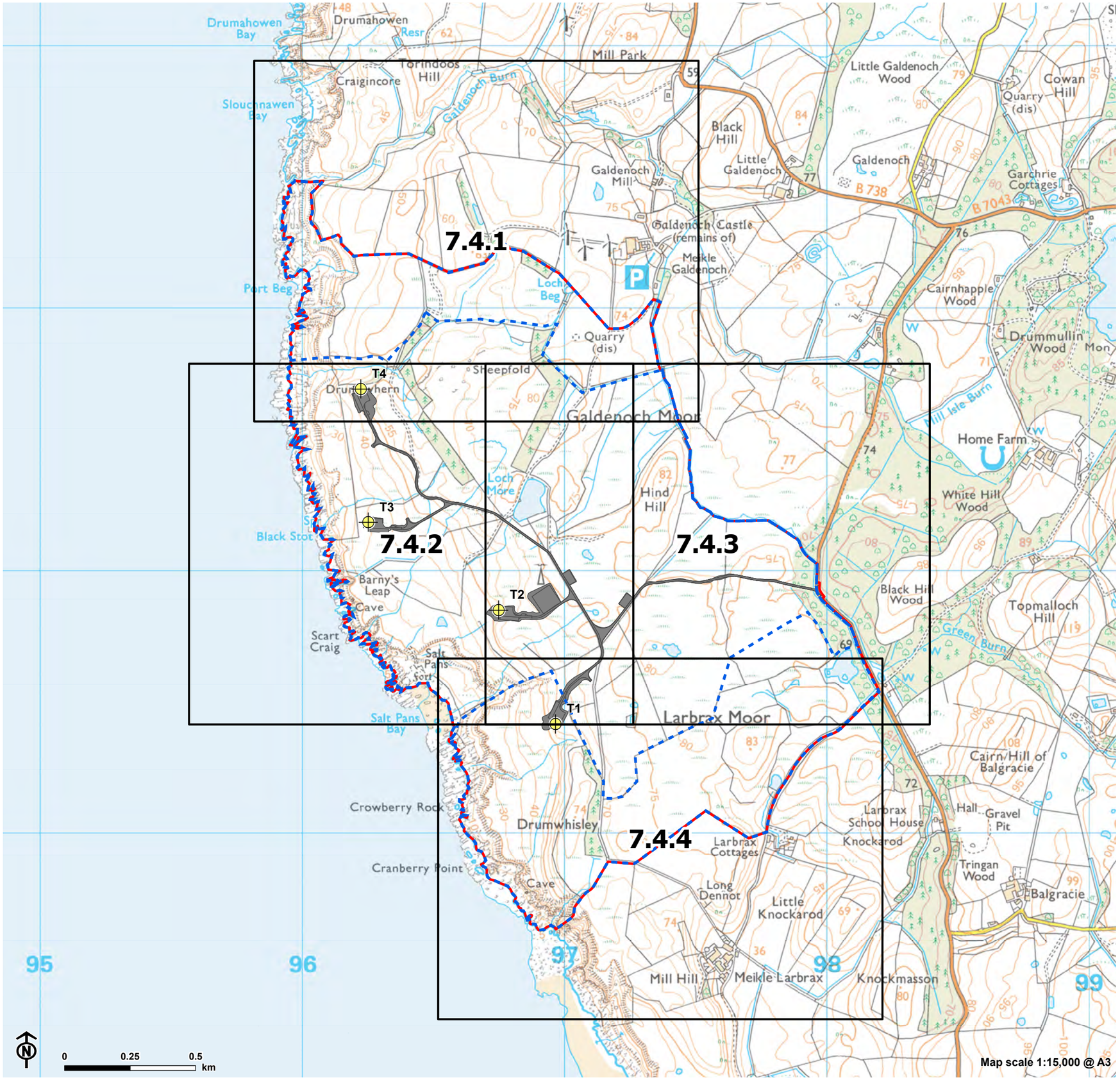
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.4: Potential Groundwater Dependent Terrestrial Ecosystems (GWDTE) Survey Area and Survey Results Overview



Site Boundary
Turbine
Infrastructure
GWDTE Survey Area
Tile Extent/Figure Number

MacArthur Green

Ørsted

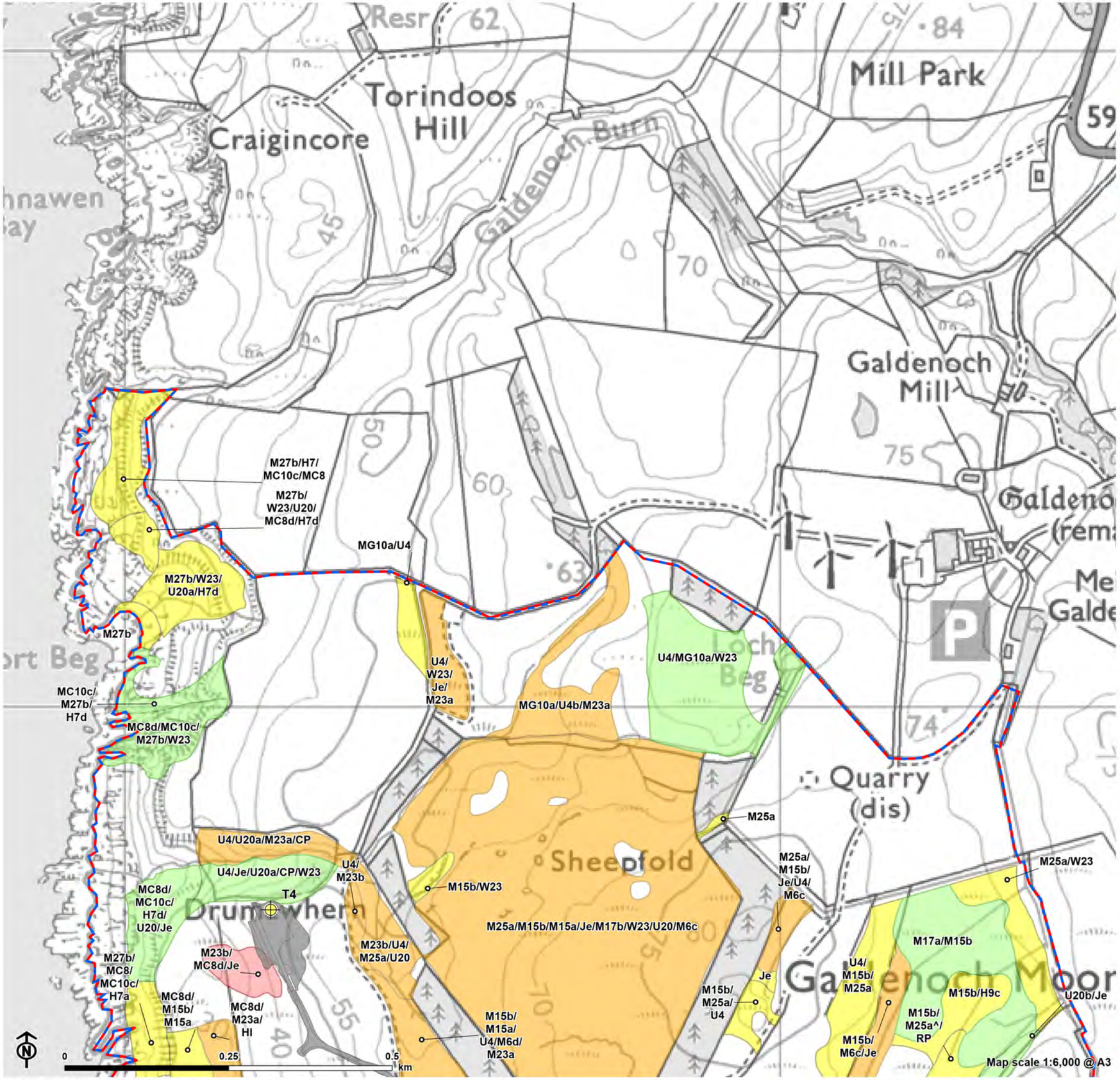
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

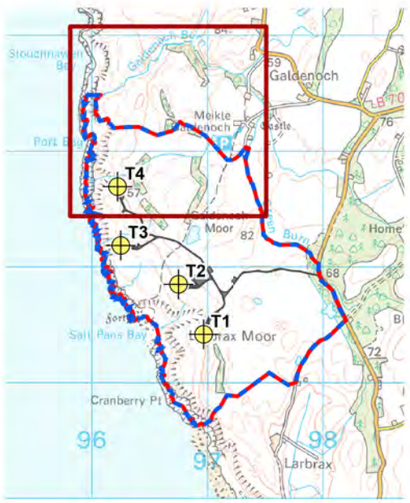
CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 12/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.4.1: Potential Groundwater Dependent Terrestrial Ecosystems (GWDTE) Survey Area and Survey Results





MacArthur Green

Ørsted

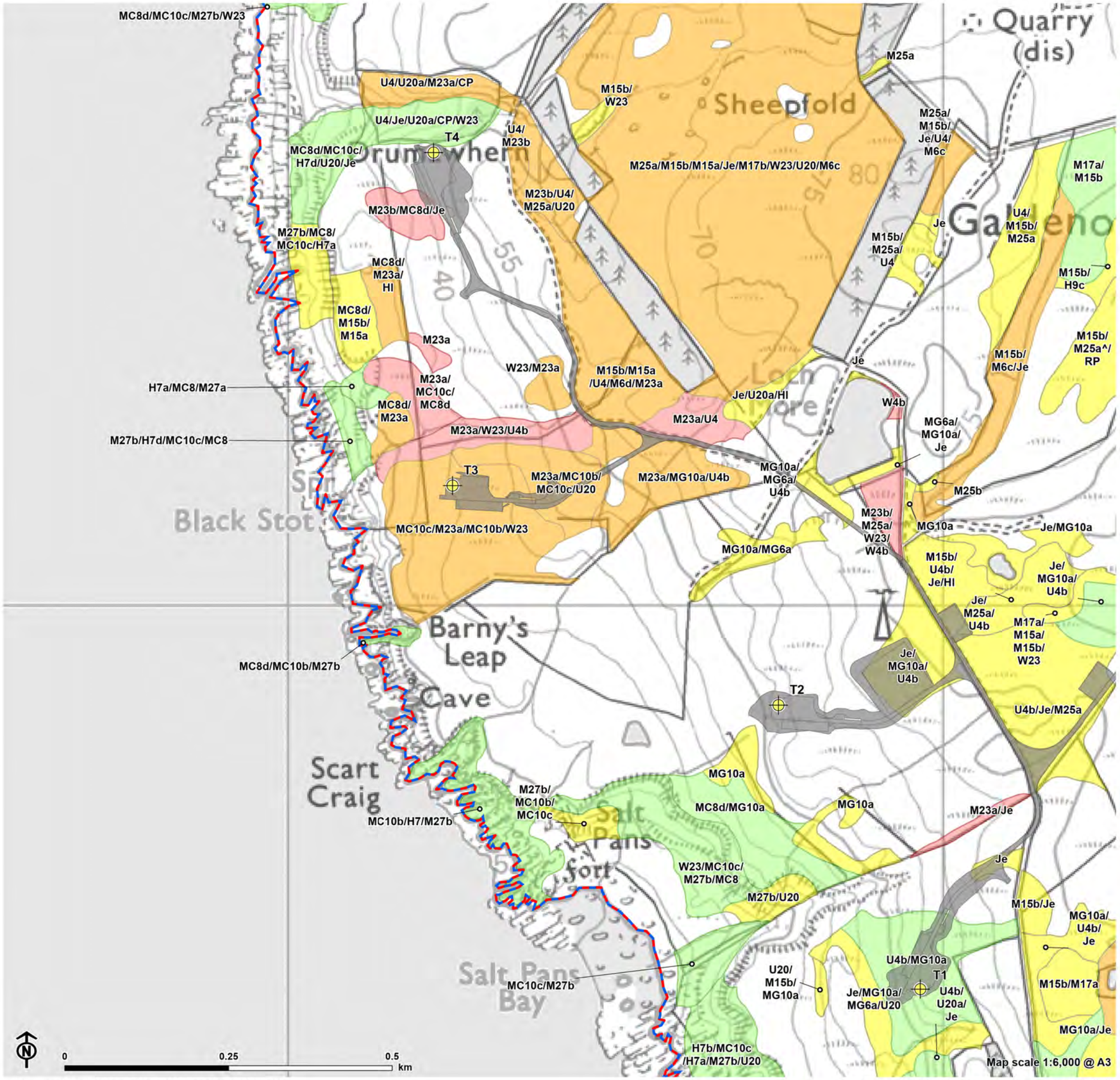
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.4.2: Potential Groundwater Dependent Terrestrial Ecosystems (GWDTE) Survey Area and Survey Results



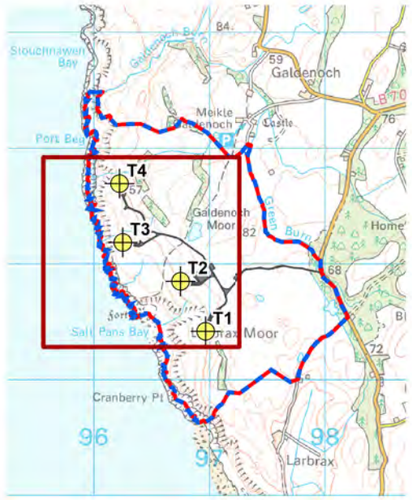
Site Boundary
Turbine
Infrastructure

Survey Areas

NVC Survey Area

Potential GWDTE

Highly Dominant
Highly Sub-dominant
Moderately Dominant
Moderately Sub-dominant



MacArthur Green

Ørsted

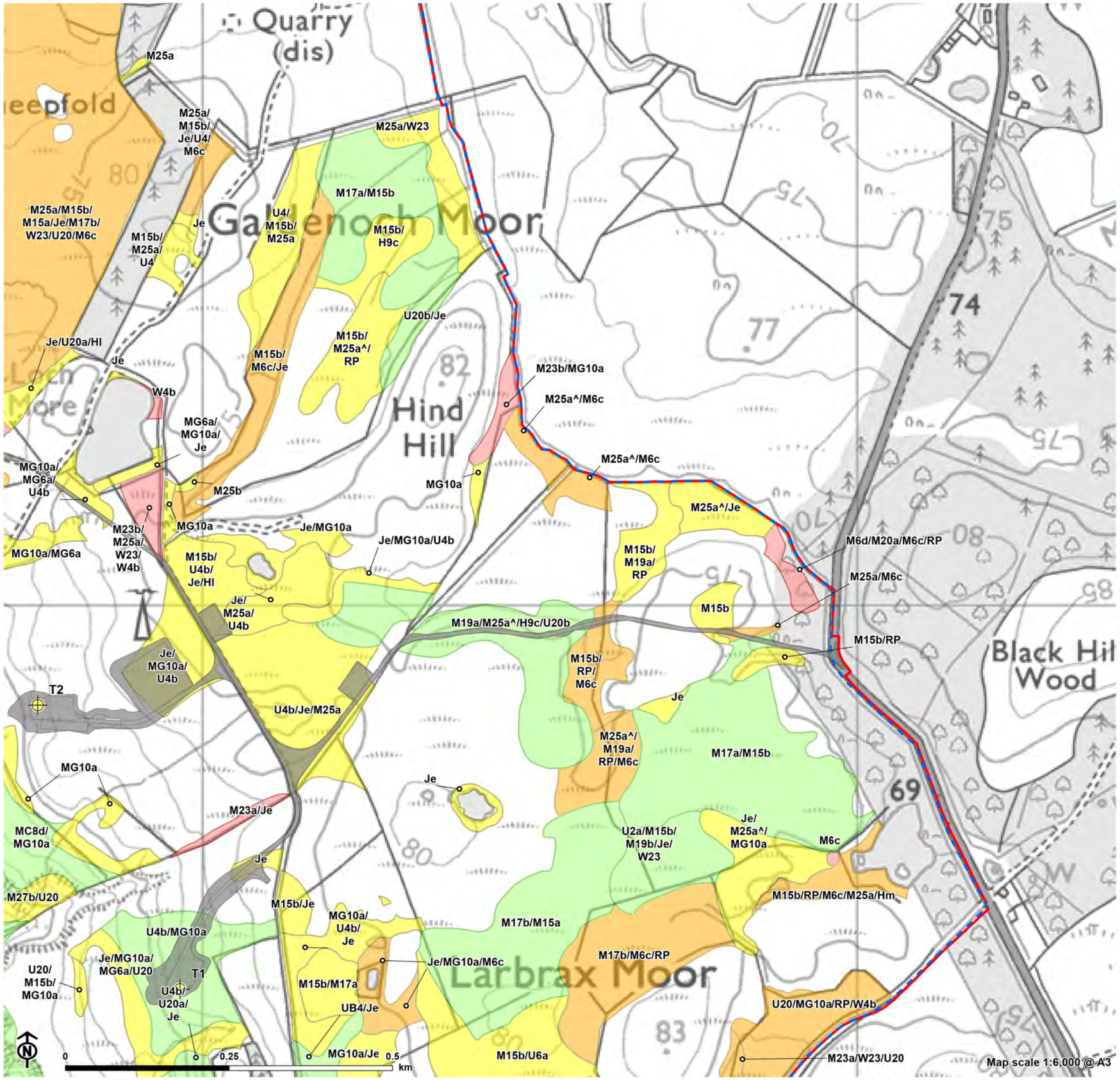
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.4.3: Potential Groundwater Dependent Terrestrial Ecosystems (GWDTE) Survey Area and Survey Results



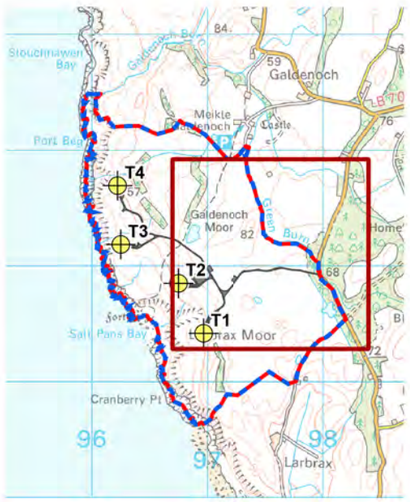
Site Boundary
Turbine
Infrastructure

Survey Areas

NVC Survey Area

Potential GWDTE

Highly Dominant
Highly Sub-dominant
Moderately Dominant
Moderately Sub-dominant



MacArthur Green

Ørsted

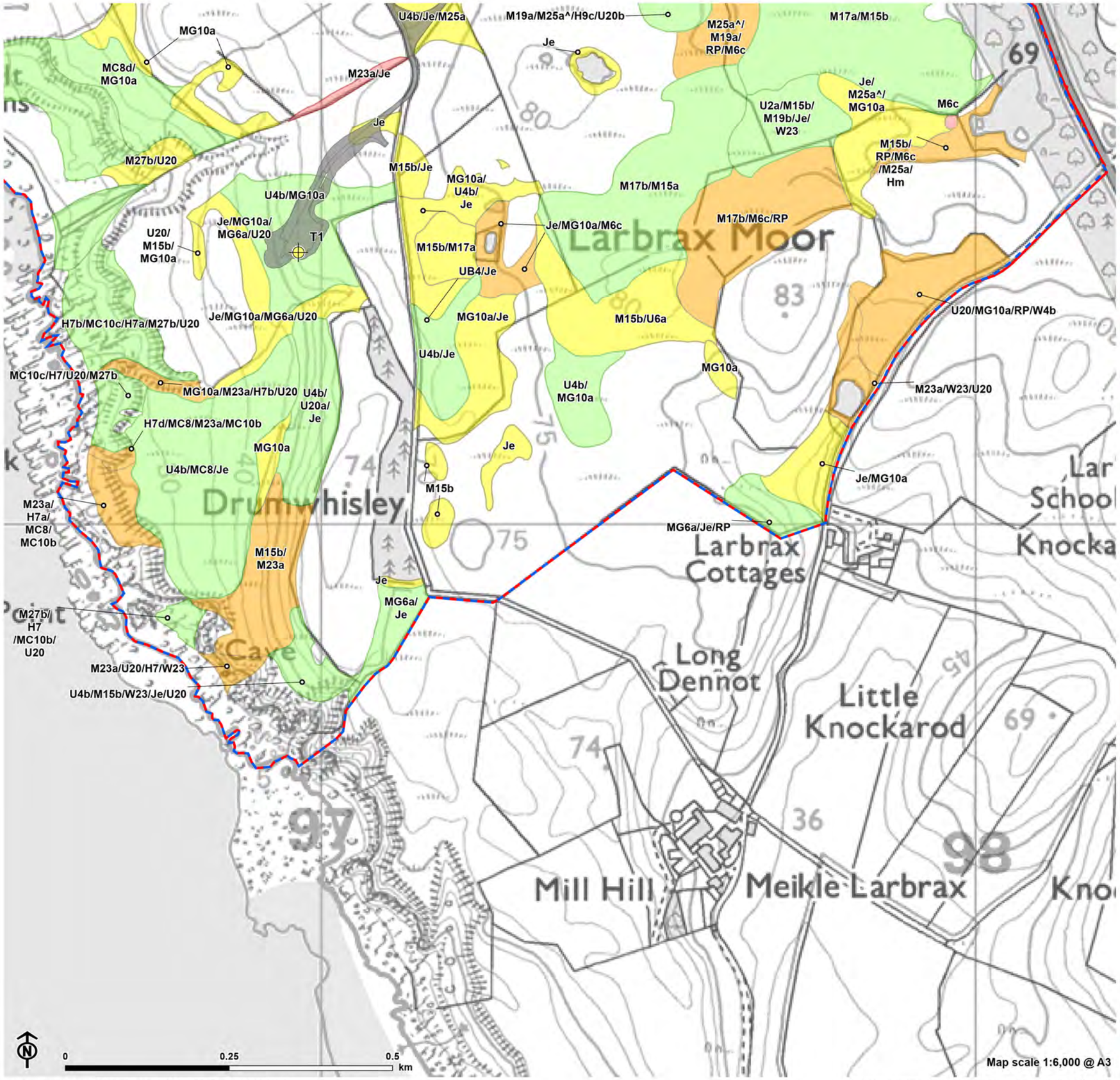
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.4.4: Potential Groundwater Dependent Terrestrial Ecosystems (GWDTE) Survey Area and Survey Results



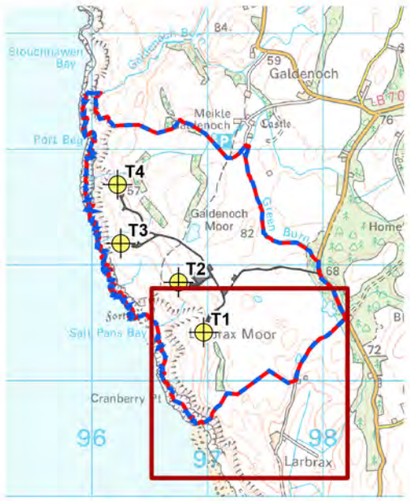
Site Boundary
Turbine
Infrastructure

Survey Areas

NVC Survey Area

Potential GWDTE

Highly Dominant
Highly Sub-dominant
Moderately Dominant
Moderately Sub-dominant



MacArthur Green

Ørsted

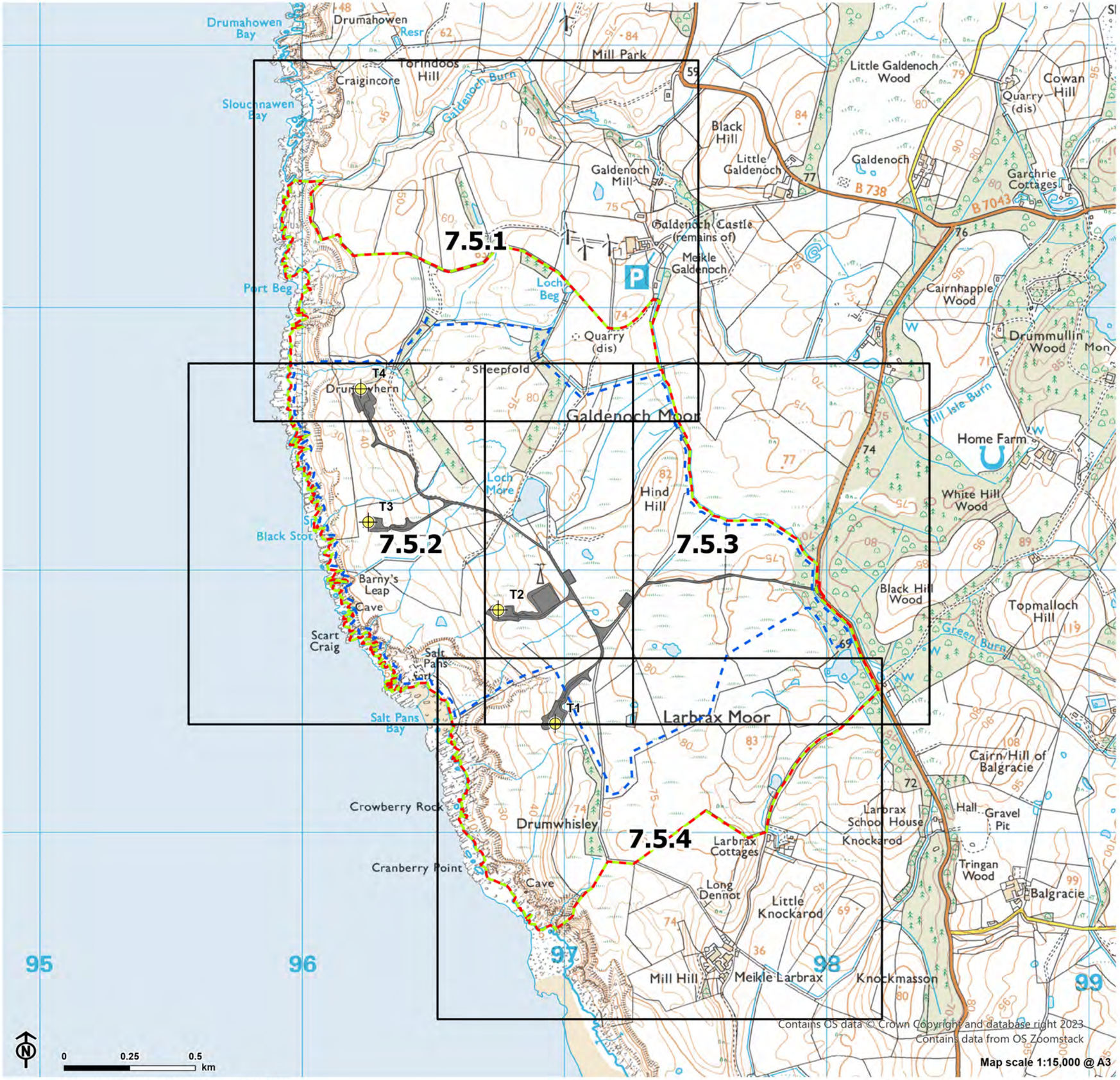
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 15/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.5: Protected Species Survey Area & Survey Results: 2021 & 2023 Overview



Site Boundary
Turbine
Infrastructure

Protected Species Survey Areas

2021
2023
Tile Extent/Figure Number

MacArthur Green

Ørsted

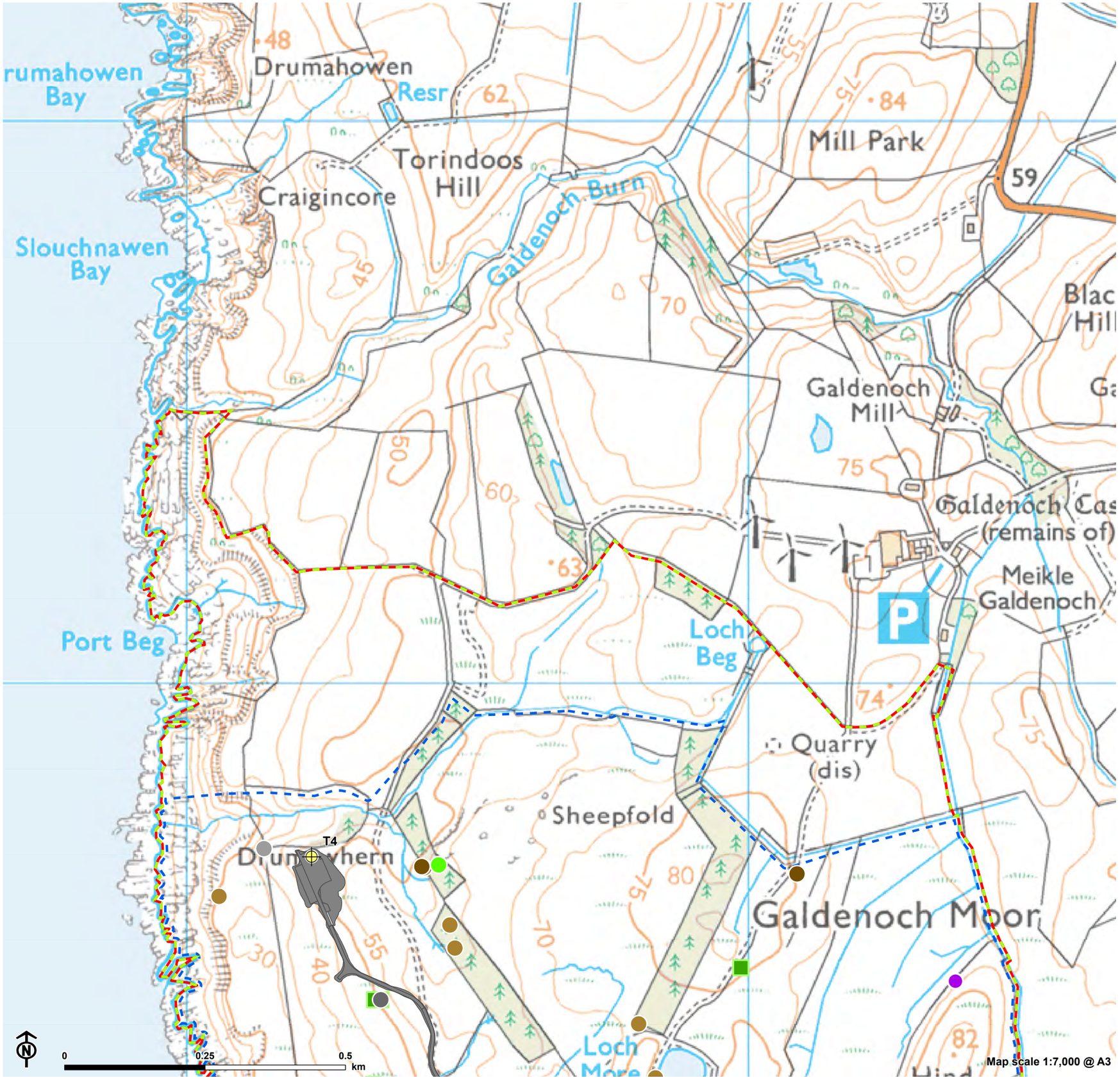
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:Michelle.Mazy MacArthur Green E_EIA_Figures_LBX 18/10/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.5.1: Protected Species Survey Area & Survey Results: 2021 & 2023



Site Boundary
Turbine
Infrastructure

Protected Species Survey Areas
2021
2023

Protected Species Survey Results

2021
General - Mammal Hole
Hare - Brown Hare Sighting
Reptile - Common Lizard Sighting
Reptile - Potential Hibernaculum

2023
Badger - Dung
General - Mammal Hole
Hare - Brown Hare Sighting

MacArthur Green

Ørsted

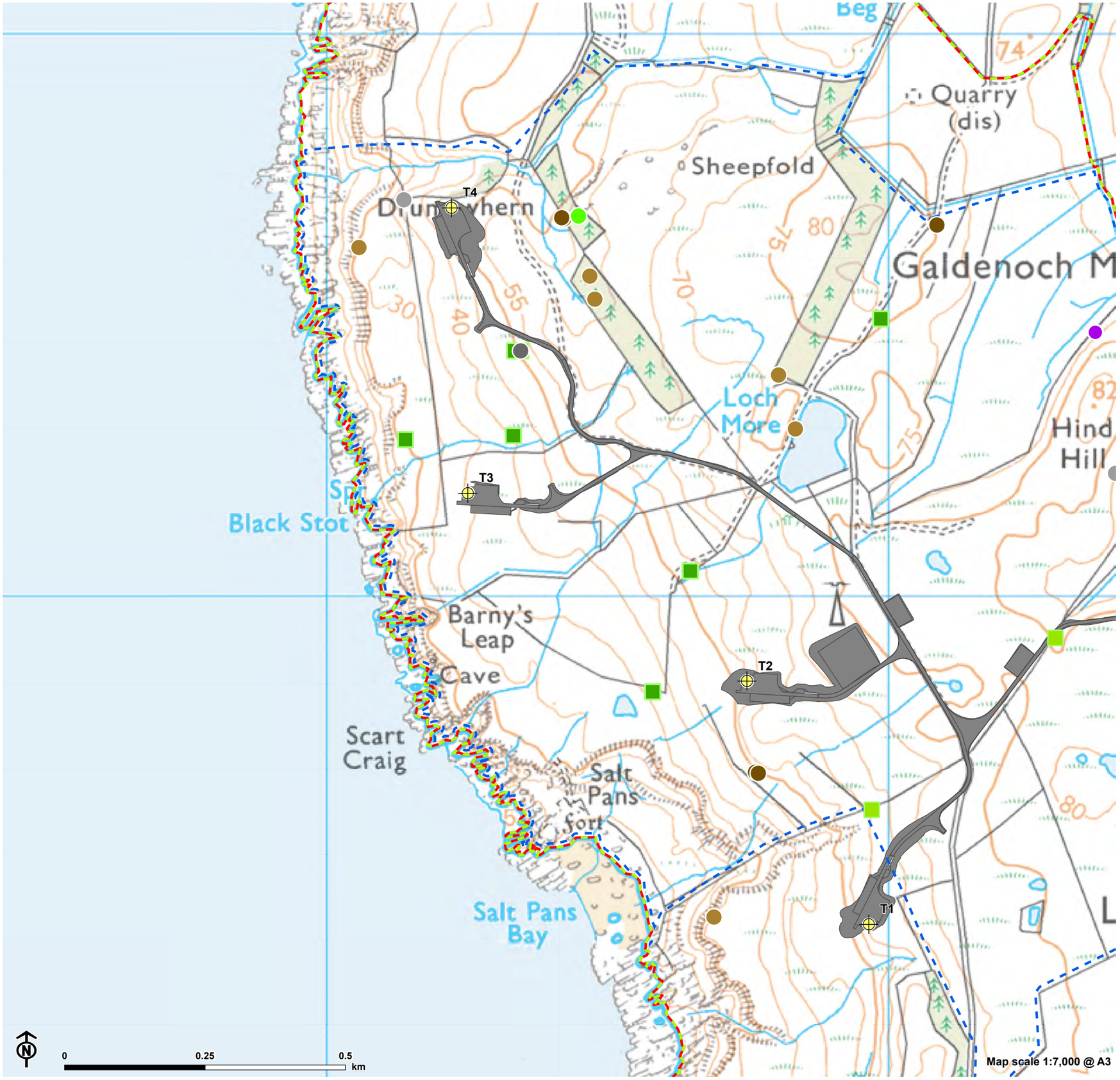
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 13/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.5.2: Protected Species Survey Area & Survey Results: 2021 & 2023



Site Boundary
Turbine
Infrastructure

Protected Species Survey Areas
2021
2023

Protected Species Survey Results

2021
General - Mammal Hole
Hare - Brown Hare Sighting
Reptile - Common Lizard Sighting
Reptile - Potential Hibernaculum

2023
Badger - Dung
General - Mammal Hole
Hare - Brown Hare Sighting
Reptile - Potential Hibernaculum

MacArthur Green

Ørsted

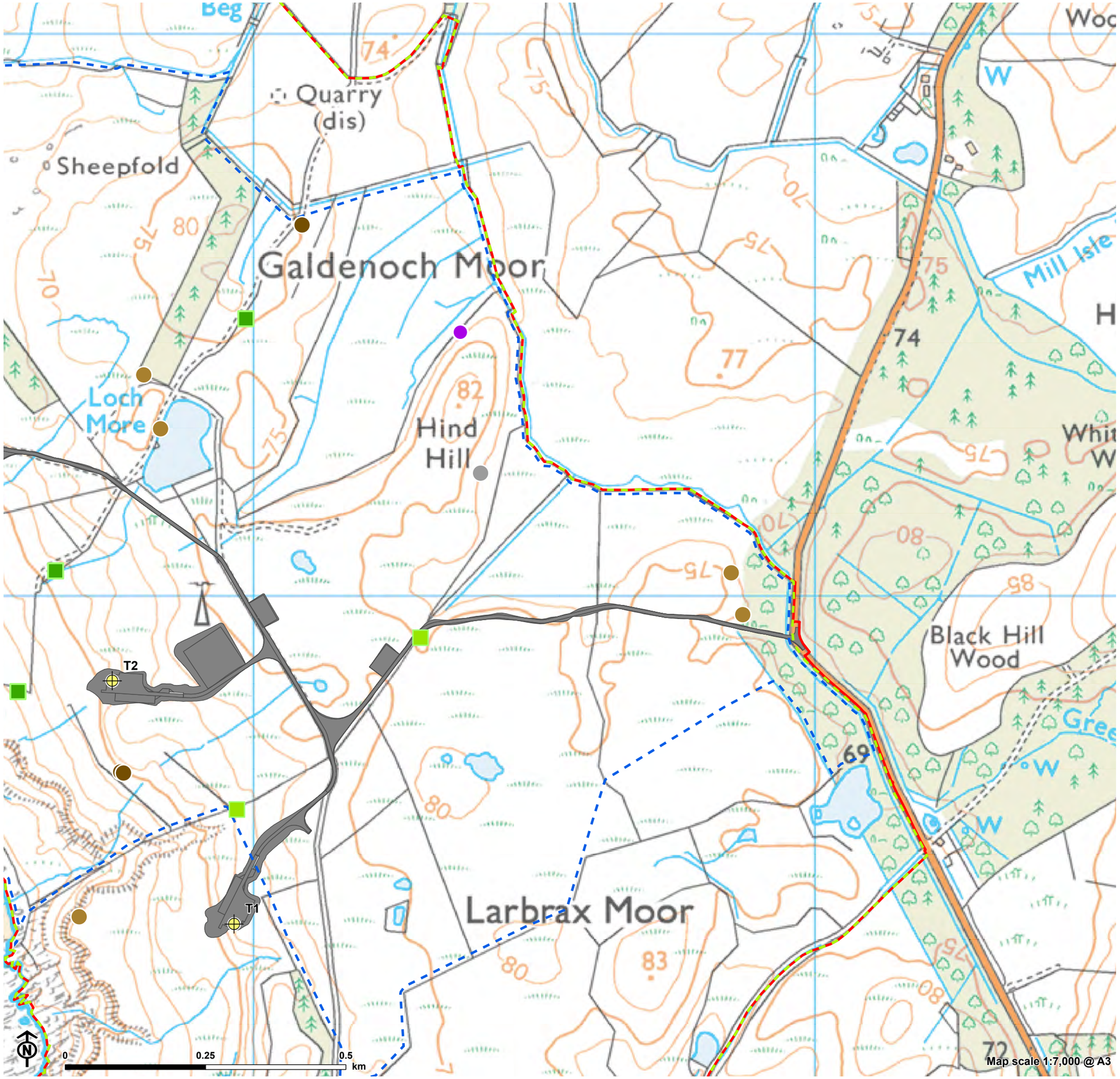
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 13/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.5.3: Protected Species Survey Area & Survey Results: 2021 & 2023



Site Boundary
Turbine
Infrastructure

Protected Species Survey Areas
2021
2023

Protected Species Survey Results

2021
General - Mammal Hole
Reptile - Potential Hibernaculum

2023
Badger - Dung
General - Mammal Hole
Hare - Brown Hare Sighting
Reptile - Potential Hibernaculum

MacArthur Green

Ørsted

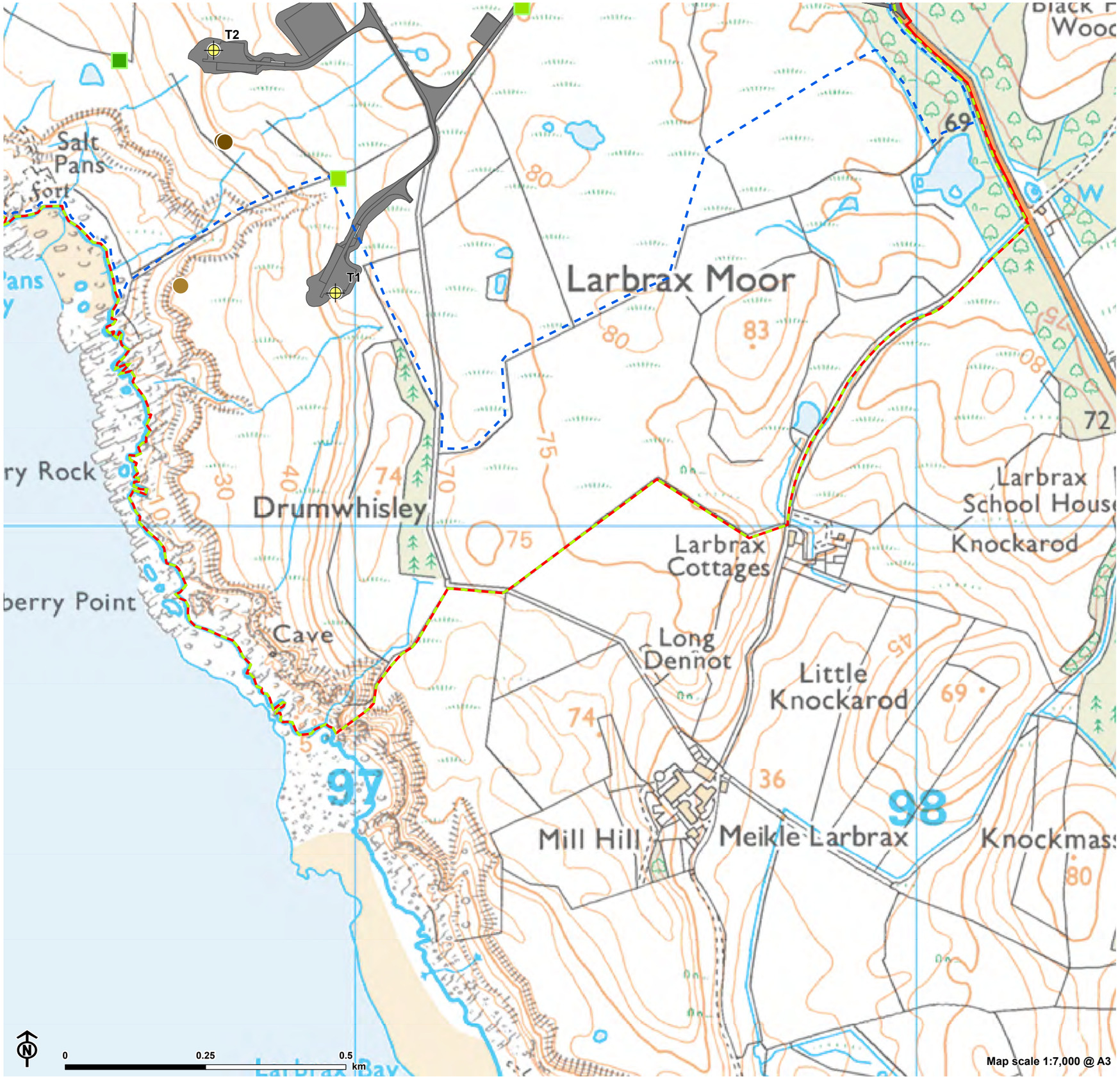
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 13/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.5.4: Protected Species Survey Area & Survey Results: 2021 & 2023



Site Boundary
Turbine
Infrastructure

Protected Species Survey Areas
2021
2023

Protected Species Survey Results

2021
General - Mammal Hole
Reptile - Potential Hibernaculum

2023
General - Mammal Hole
Reptile - Potential Hibernaculum

MacArthur Green

Ørsted

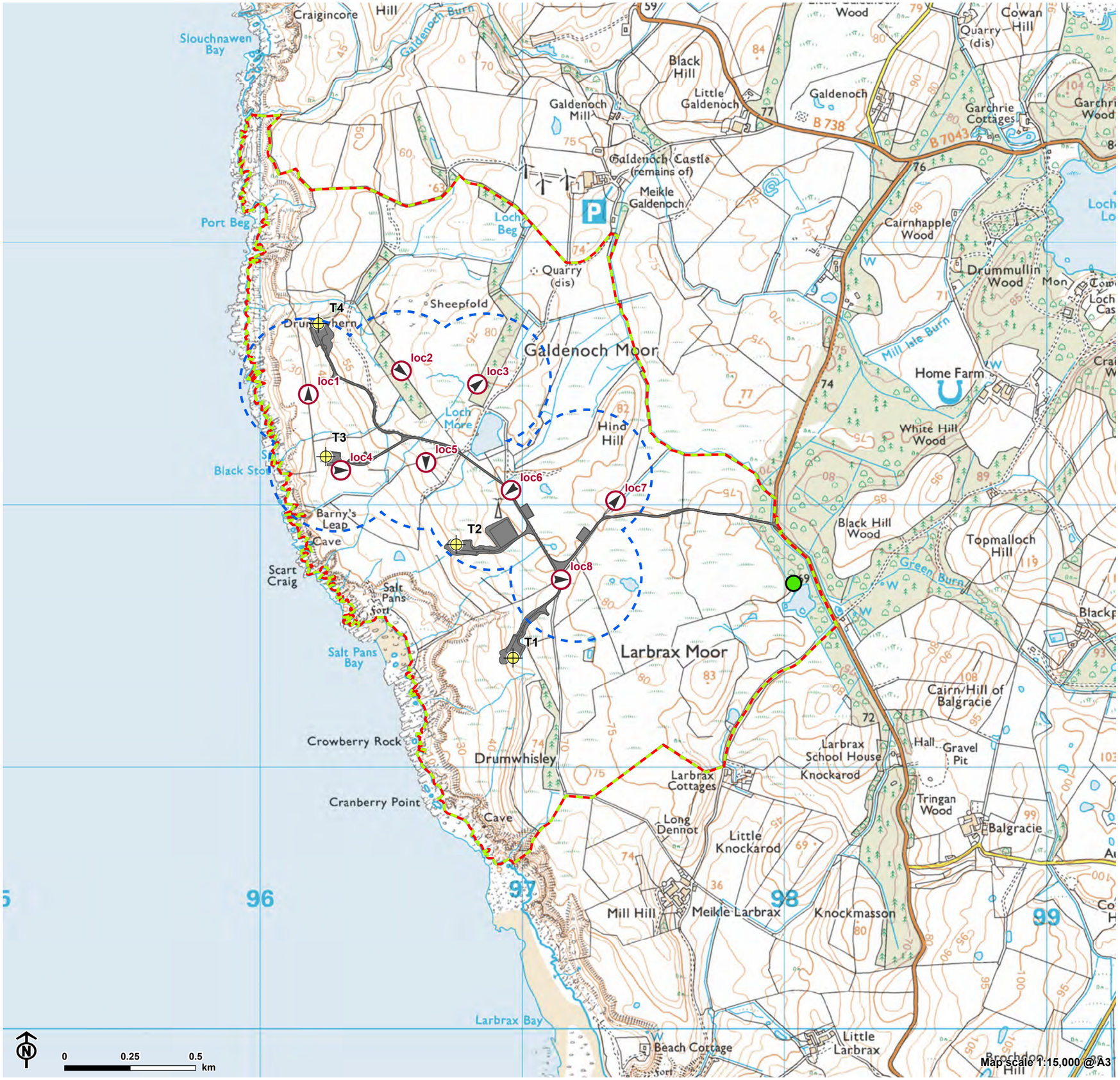
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 13/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.6: Bat Survey Area, Anabat Locations & Preliminary Bat Roost Assessment Results



© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

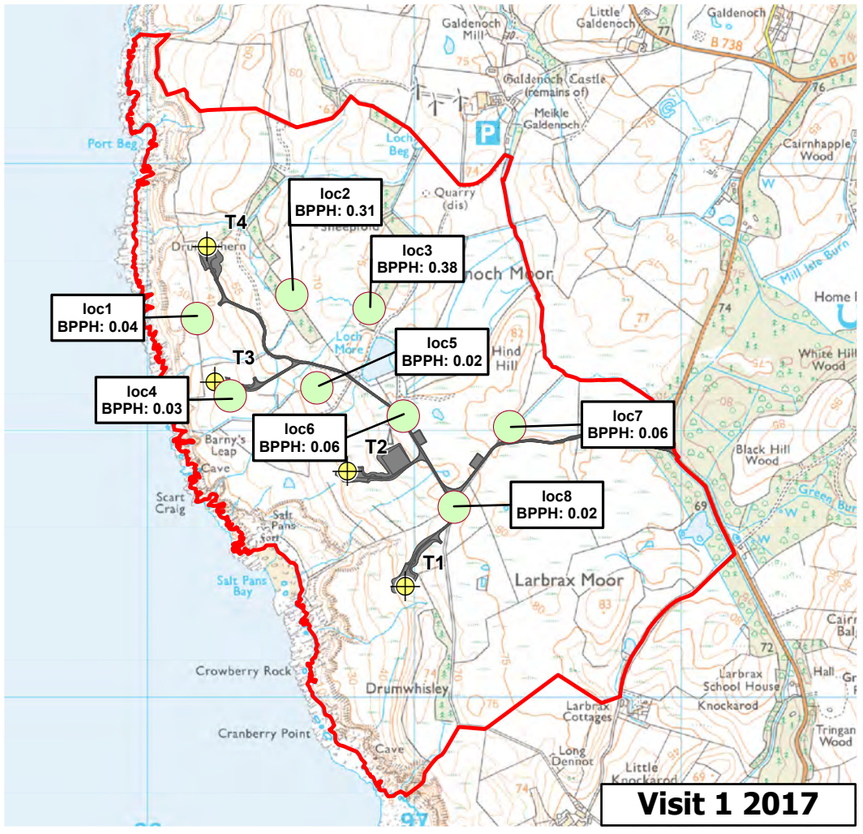
CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 09/09/2024
Source: Ørsted, LUC, MacArthur Green

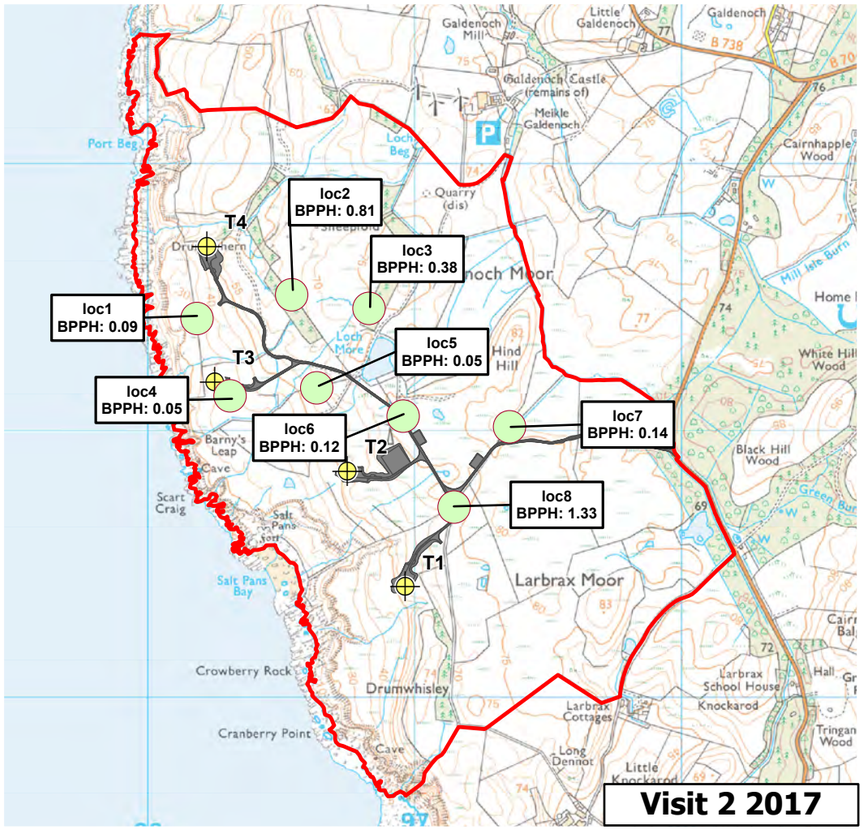
MacArthur Green

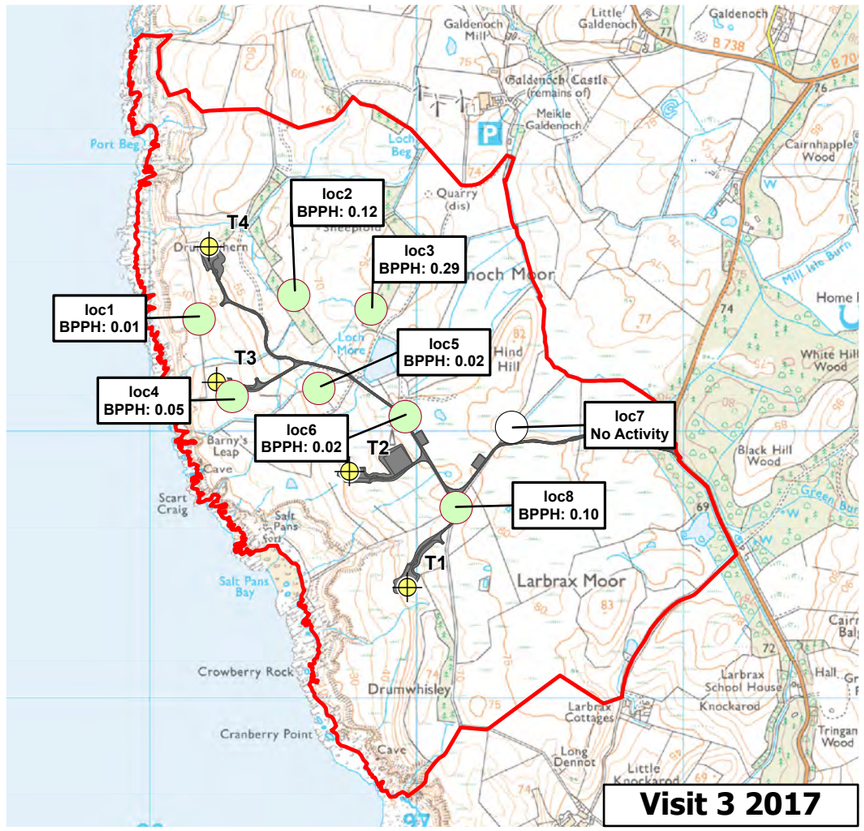
Ørsted

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

Figure 7.7: Seasonal Bat Site Activity 2017 – Common Pipistrelle







Site Boundary
Turbine
Infrastructure

Activity Risk Assessment

Low
No Activity

0 0.25 0.5 km

Map scale 1:23,000 @ A3

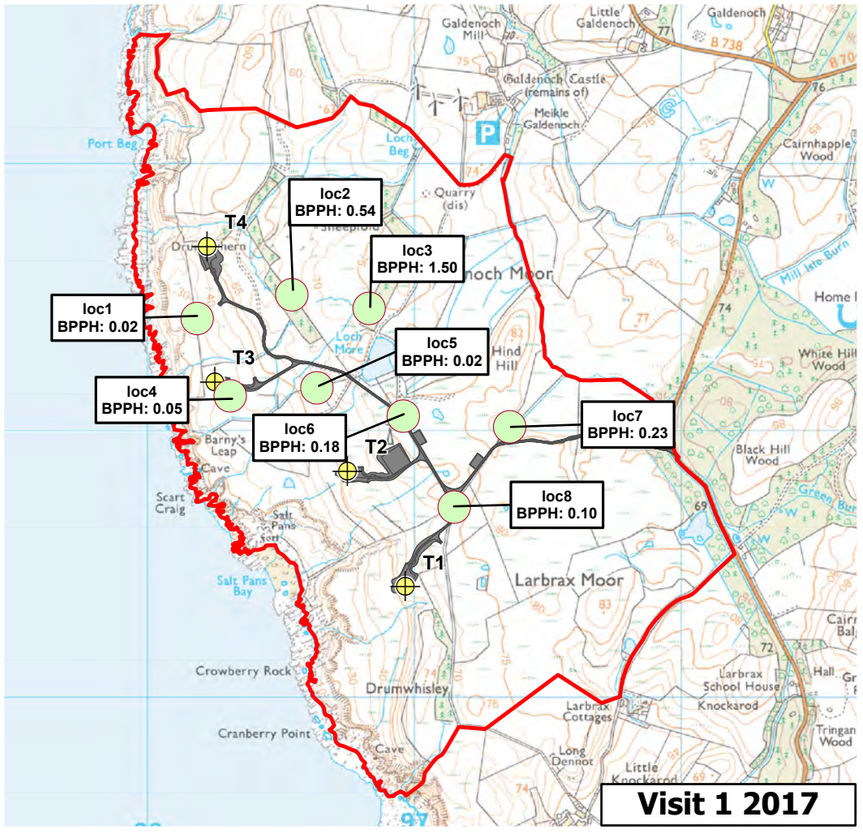
© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

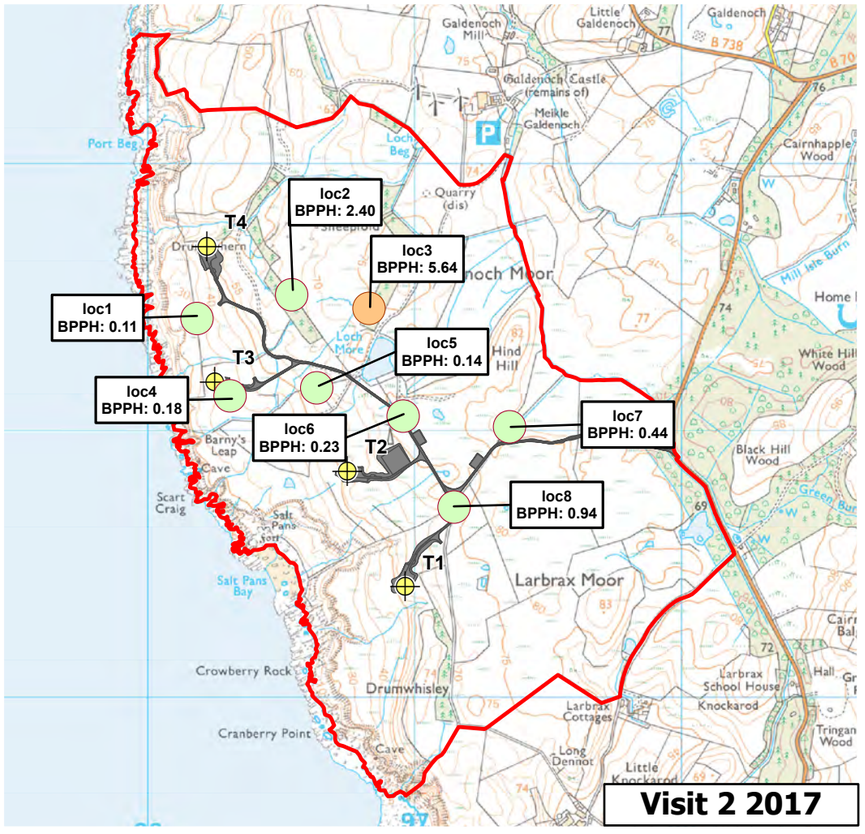
CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 14/08/2024
Source: Ørsted, LUC, MacArthur Green

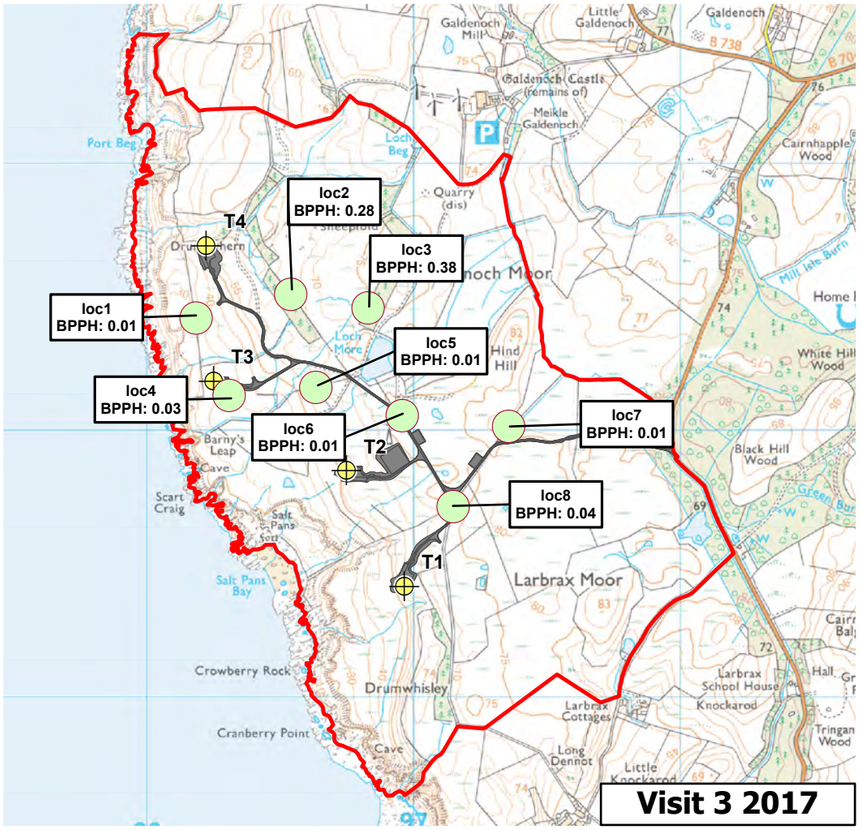
Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

LUC

Figure 7.8: Seasonal Bat Site Activity 2017 – Soprano Pipistrelle







Site Boundary
Turbine
Infrastructure

Activity Risk Assessment

Low
Moderate

0 0.25 0.5 km

Map scale 1:23,000 @ A3

MacArthur Green

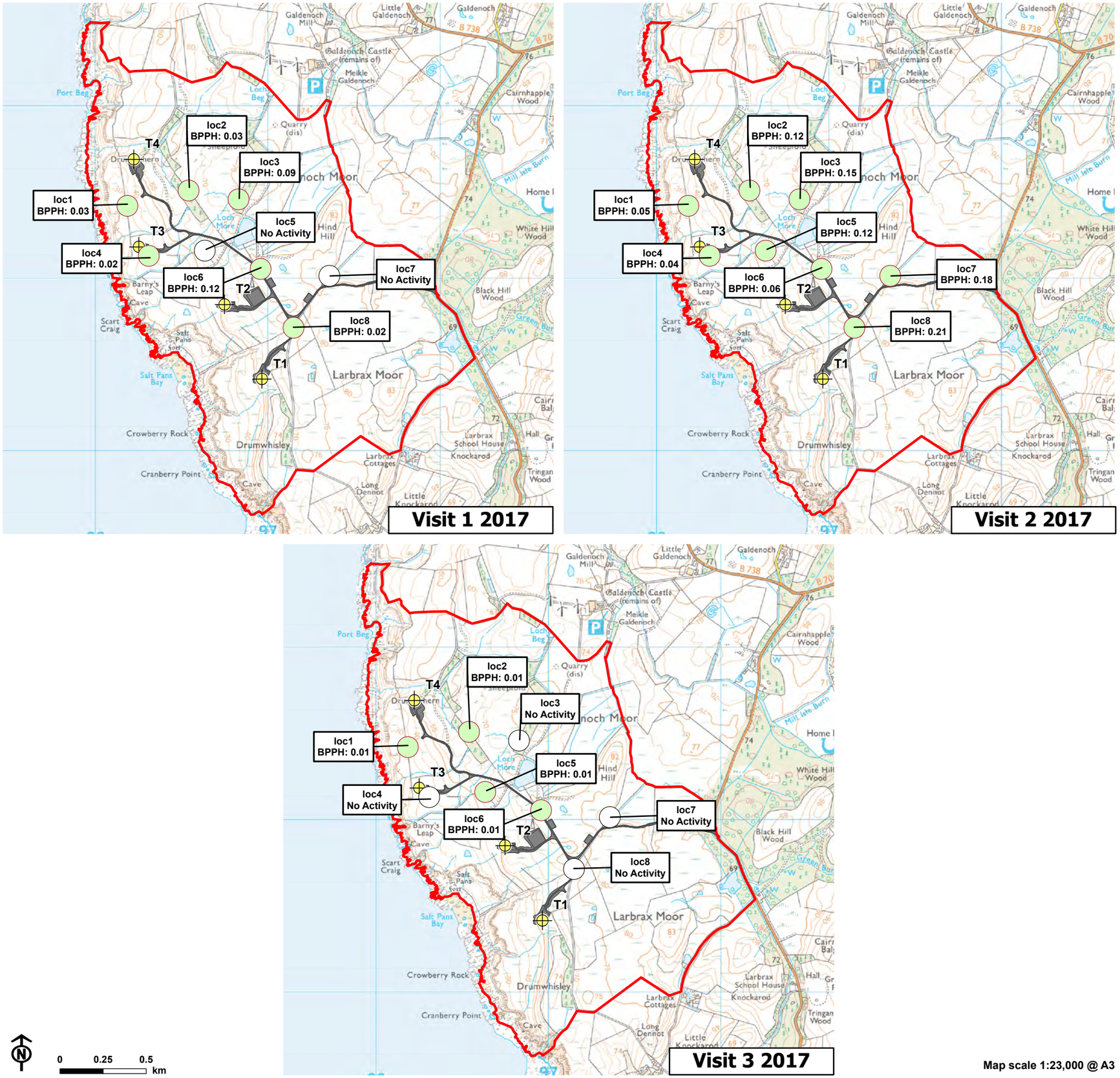
Ørsted

© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 14/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

Figure 7.9: Seasonal Bat Site Activity 2017 – Nyctalus spp.



Site Boundary
Turbine
Infrastructure

Activity Risk Assessment

Low
No Activity

Map scale 1:23,000 @ A3

© Crown copyright and database rights 2024 Ordnance Survey 0100031673.

CB:michelle.mazy MacArthur Green E_EIA_Figures_LBX 14/08/2024
Source: Ørsted, LUC, MacArthur Green

Revised Larbrax Wind Farm
EIA Report
for Ørsted Onshore UK Ltd

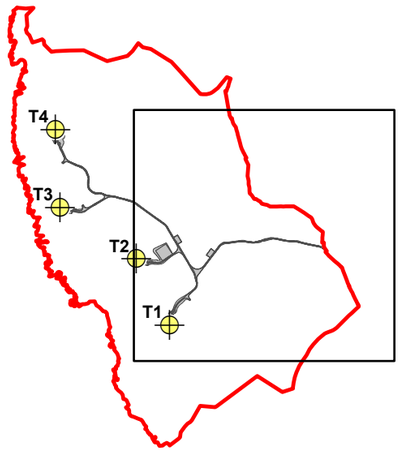
LUC

Figure 7.10: Outline Biodiversity Enhancement Management Plan Area

Site Boundary
Turbine
Infrastructure

Outline Biodiversity Enhancement Management Plan (OBEMP) Areas

- A
- B
- C
- D
- E
- F



MacArthur Green

Ørsted

Maxar, Microsoft.

CB:luke.donaldson MacArthur Green E_EIA_Figures_LBX 02/09/2024
Source: Ørsted, LUC, MacArthur Green