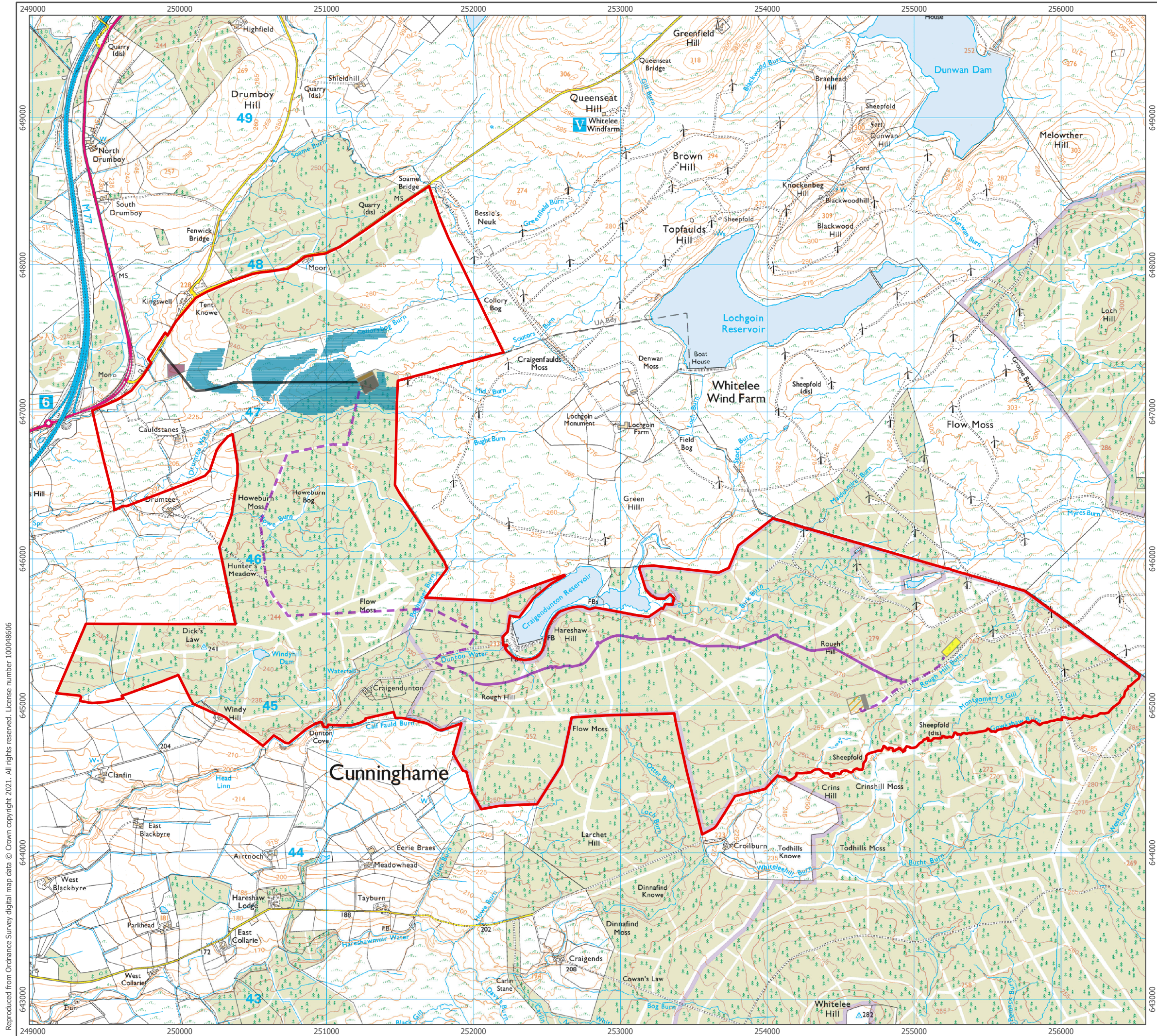











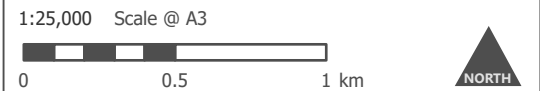

APPENDIX A - FIGURES



-  Site Boundary
- Cables and Roads
 -  Existing cable
 -  Proposed New Cable
 -  Link/Haul Road (S36)
- Site Infrastructure
 -  Proposed BESS Temp Compound
 -  Proposed Electrolyser
 -  Proposed Electrolyser Laydown Area
 -  Proposed PV Layout
 -  Proposed BESS Compound
 -  Proposed Temporary Compound
 -  Whitelee Extension Substation

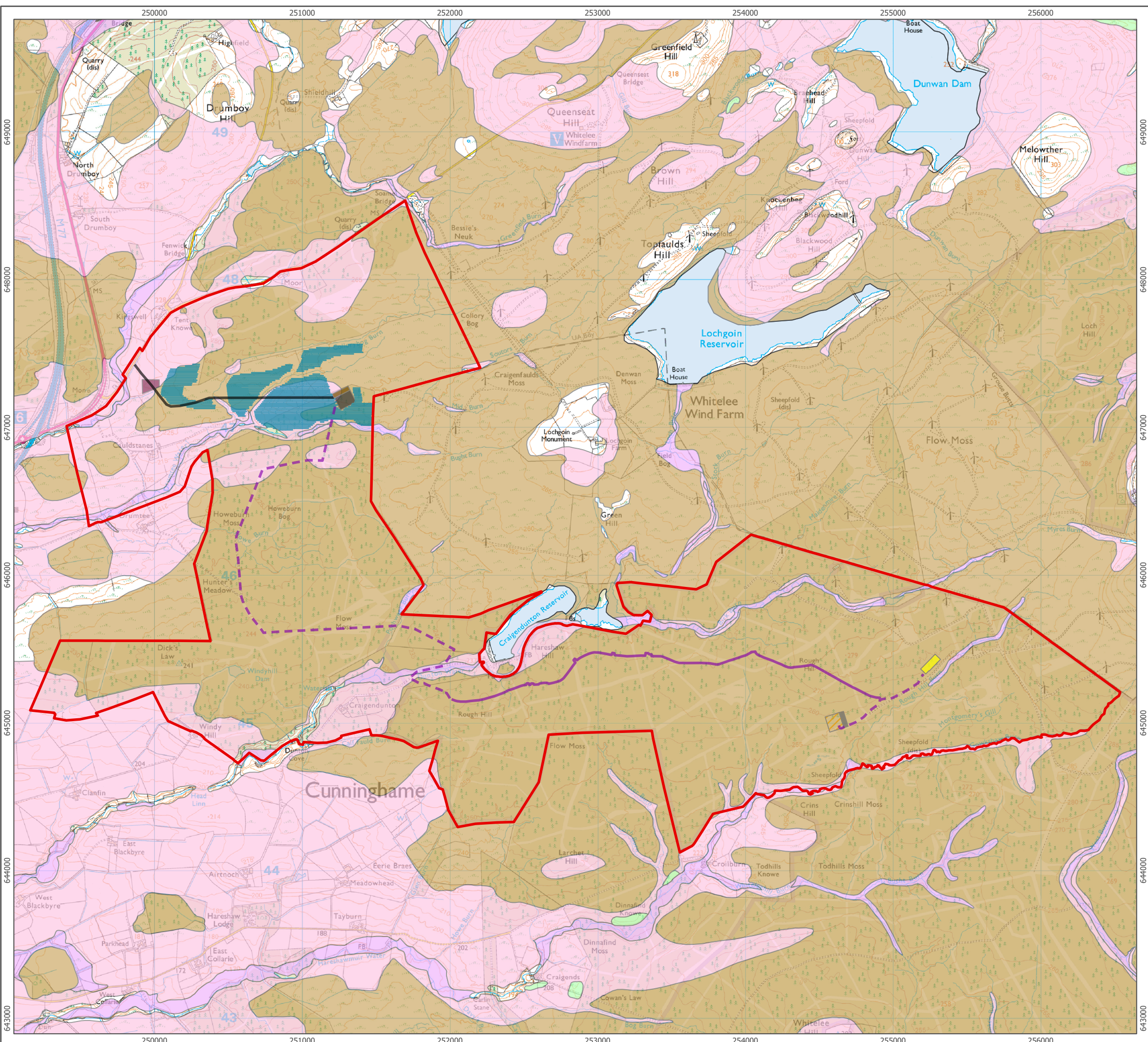



Produced By: BM	Ref: 4362-REP-001
Checked By: SC	Date: 04/06/2021


Site Layout Plan
Figure 1

Whitelee Windfarm Extension Solar, PV, Green Hydrogen Production and Battery Storage Facilities Peat Slide Risk Assessment


Reproduced from Ordnance Survey digital map data © Crown copyright 2021. All rights reserved. License number 100048606






 Site Boundary


Cables and Roads

 Existing cable


 Proposed New Cable


 Link/Haul Road (S36)


Site Infrastructure

 Proposed BESS Temp Compound


 Proposed Electrolyser

 Proposed Electrolyser Laydown Area


 Proposed PV Layout

 Proposed BESS Compound

 Proposed Temporary Compound

 Whitelee Extension Substation

Superficial Soils


 Alluvium


 Glaciofluvial Deposits


 Glaciolacustrine Deposits

 Hummocky (Moundy) Glacial Deposits

 Peat

 River Terrace Deposits (Undifferentiated)

 Superficial Theme Not Mapped

 Till, Devensian

1:25,000 Scale @ A3

 0 0.5 1 km

 NORTH

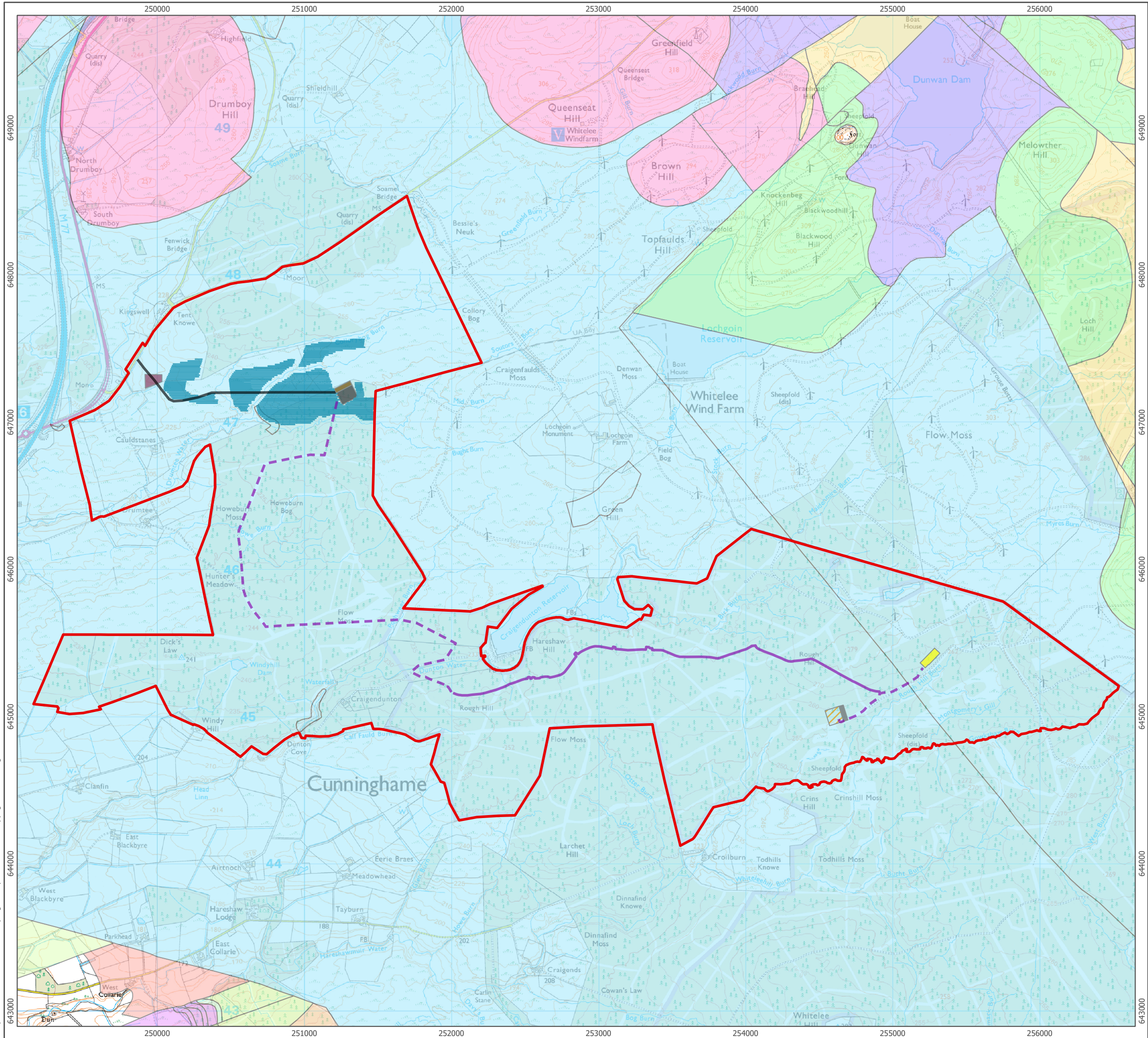
Produced By: BM	Ref: 4362-REP-002
Checked By: SC	Date: 04/06/2021
























Superficial Soils

Figure 2

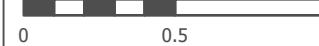
Whitelee Windfarm Extension Solar, PV, Green Hydrogen Production and Battery Storage Facilities


Peat Slide Risk Assessment



-  Site Boundary
- Cables and Roads
-  Existing cable
 -  Proposed New Cable
 -  Link/Haul Road (S36)
- Site Infrastructure
-  Proposed BESS Temp Compound
 -  Proposed Electrolyser
 -  Proposed Electrolyser Laydown Area
 -  Proposed PV Layout
 -  Proposed BESS Compound
 -  Proposed Temporary Compound
 -  Whitelee Extension Substation
- Solid Geology
-  Ayrshire Bauxitic Clay Member
 -  Dumdruff Hill Lava Member
 -  Eaglesham Lava Member
 -  Flow Moss Lava Member
 -  Gowk Stane Volcanistic Member
 -  Harelaw Lava Member
 -  Hosie Limestones
 -  Index Limestone (Scotland)
 -  Kilbirnie Mudstone Member
 -  Limestone Coal Formation
 -  Lower Limestone Formation
 -  Upper Limestone Formation

1:25,000 Scale @ A3

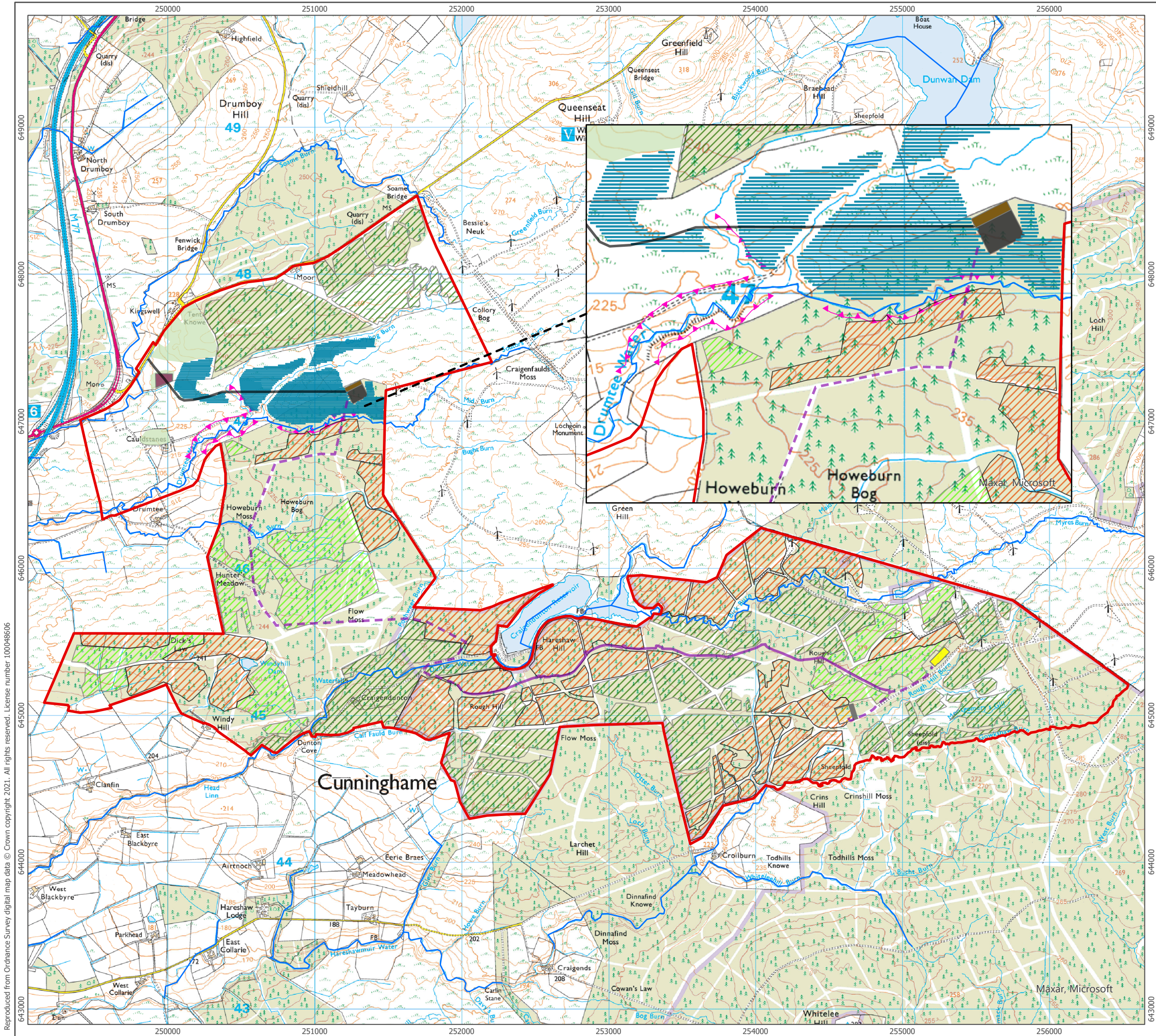
 0 0.5 1 km



















 NORTH



Produced By: BM	Ref: 4362-REP-003
Checked By: SC	Date: 04/06/2021

Solid Geology
Figure 3

Whitelee Windfarm Extension Solar, PV, Green Hydrogen Production and Battery Storage Facilities
Peat Slide Risk Assessment



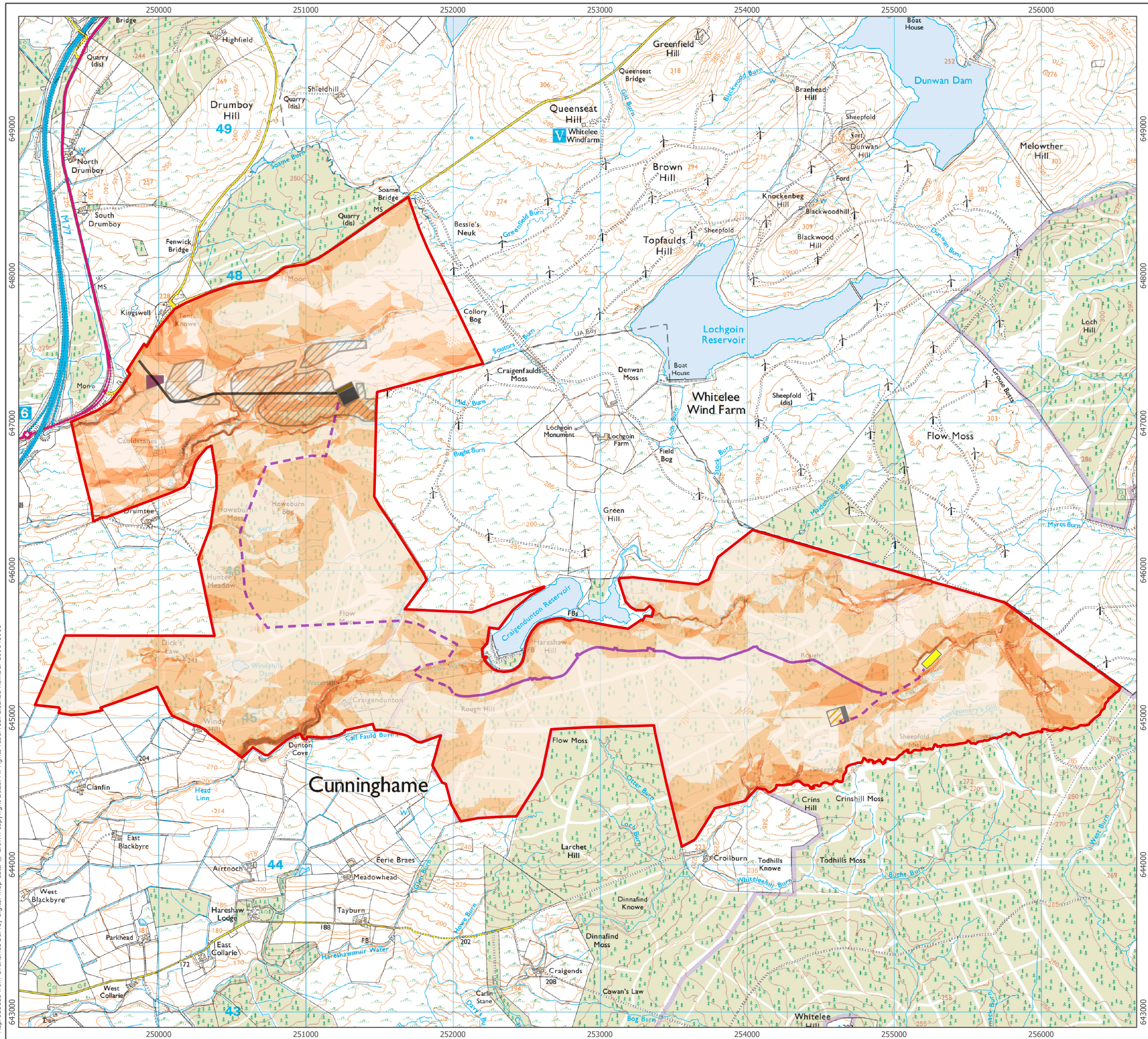
-  Site Boundary
-  Watercourses
-  Pasture
-  Felled Forestry
-  Bottom of Slope
-  Top of Slope
-  Sporadic Young Forestry
-  Forestry
- Cables and Roads**
 -  Existing cable
 -  Proposed New Cable
 -  Link/Haul Road (S36)
- Site Infrastructure**
 -  Proposed BESS Temp Compound
 -  Proposed Electrolyser
 -  Proposed Electrolyser Laydown Area
 -  Proposed PV Layout
 -  Proposed BESS Compound
 -  Proposed Temporary Compound
 -  Whitelee Extension Substation

1:25,000 Scale @ A3	
	
	
Produced By: BM	Ref: 4362-REP-004
Checked By: SC	Date: 04/06/2021

Geomorphology Map
Figure 4

**Whitelee Windfarm Extension Solar,
PV, Green Hydrogen Production
and Battery Storage Facilities
Peat Slide Risk Assessment**

Reproduced from Ordnance Survey digital map data © Crown copyright 2021. All rights reserved. License number 100048606



- Site Boundary
- Site Infrastructure**
- Proposed BESS Temp Compound
 - Proposed Electrolyser
 - Proposed Electrolyser Laydown Area
 - Proposed BESS Compound
 - Proposed Temporary Compound
 - Whitelee Extension Substation
 - Proposed PV Layout
- Cables and Roads**
- Existing cable
 - Proposed New Cable
 - Link/Haul Road (S36)
- Slope Gradient (deg)**
- 0 - 2
 - 2 - 4
 - 4 - 8
 - 8 - 15
 - > 15

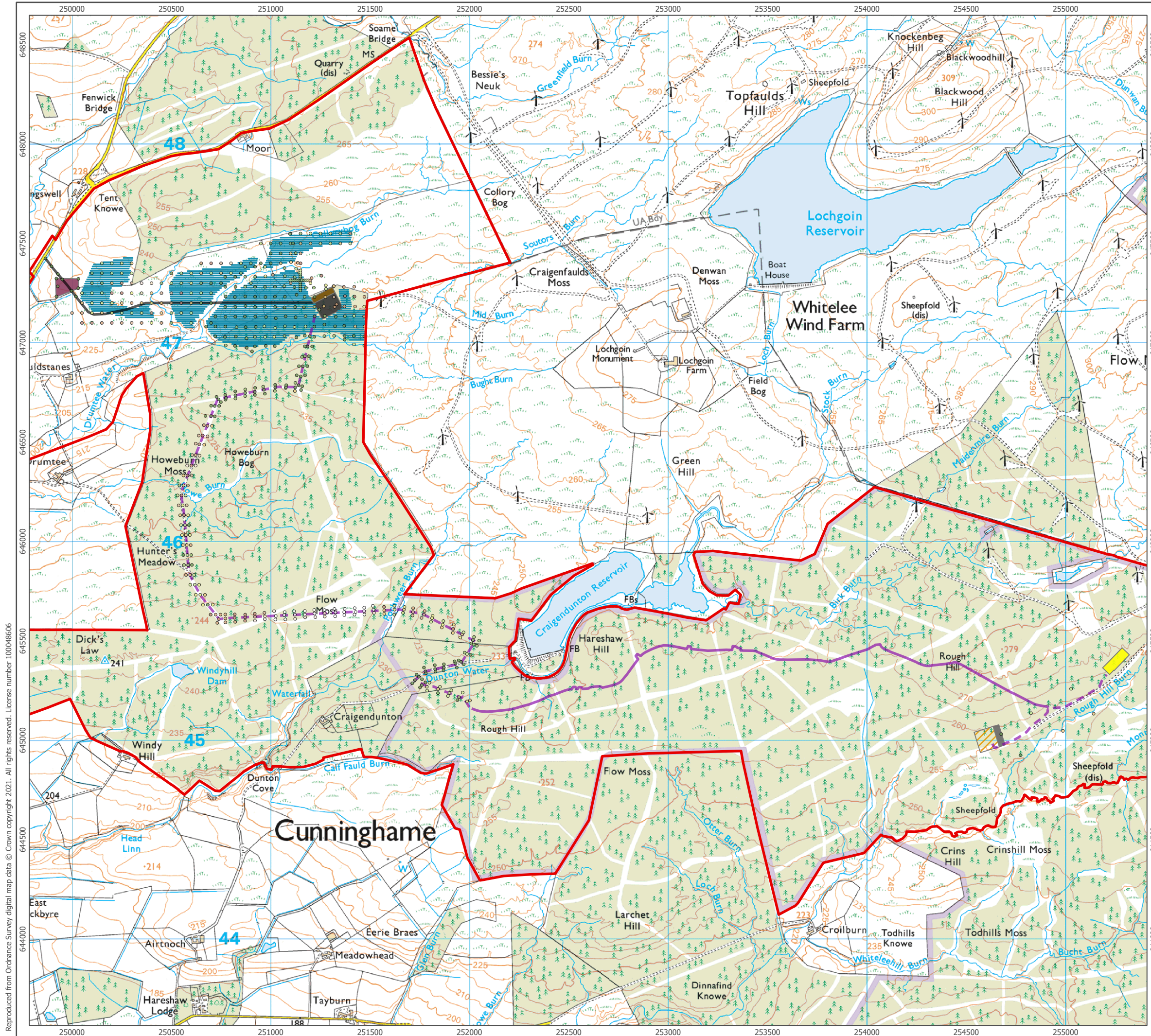
1:25,000 Scale @ A3

0 0.5 1 km

Produced By: BM	Ref: 4362-REP-005
Checked By: SC	Date: 04/06/2021

Slope Gradient
Figure 5

Whitelee Windfarm Extension Solar, PV, Green Hydrogen Production and Battery Storage Facilities
Peat Slide Risk Assessment



- Site Boundary**
- Cables and Roads**
- Existing cable
 - Proposed New Cable
 - Link/Haul Road (S36)
- Site Infrastructure**
- Proposed BESS Temp Compound
 - Proposed Electrolyser
 - Proposed Electrolyser Laydown Area
 - Proposed PV Layout
 - Proposed BESS Compound
 - Proposed Temporary Compound
 - Whitelee Extension Substation
- Recorded Peat Depths (m)**
- 0.00 - 0.50
 - 0.51 - 1.00
 - 1.01 - 1.50
 - 1.51 - 2.00
 - 2.01 - 2.50
 - 2.51 - 3.00
 - 3.01 - 3.50
 - 3.51 - 4.00
 - 4.01 - 4.50
 - 4.51 - 5.00
 - 5.01 - 5.50

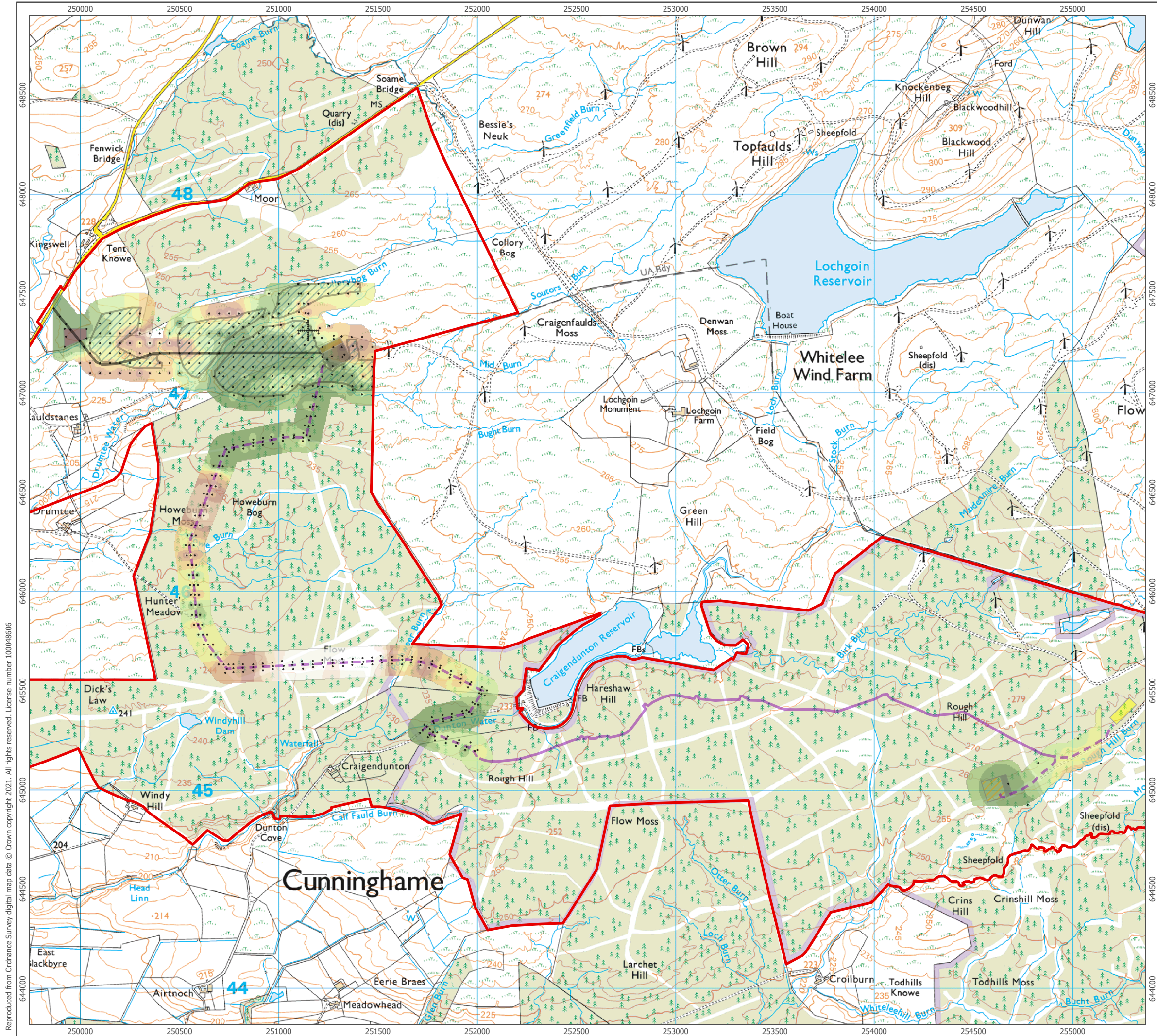
1:18,500 Scale @ A3



Produced By: BM	Ref: 4362-REP-006
Checked By: SC	Date: 04/06/2021

Recorded Peat Depths
Figure 6

Whitelee Windfarm Extension Solar, PV, Green Hydrogen Production and Battery Storage Facilities
Peat Slide Risk Assessment

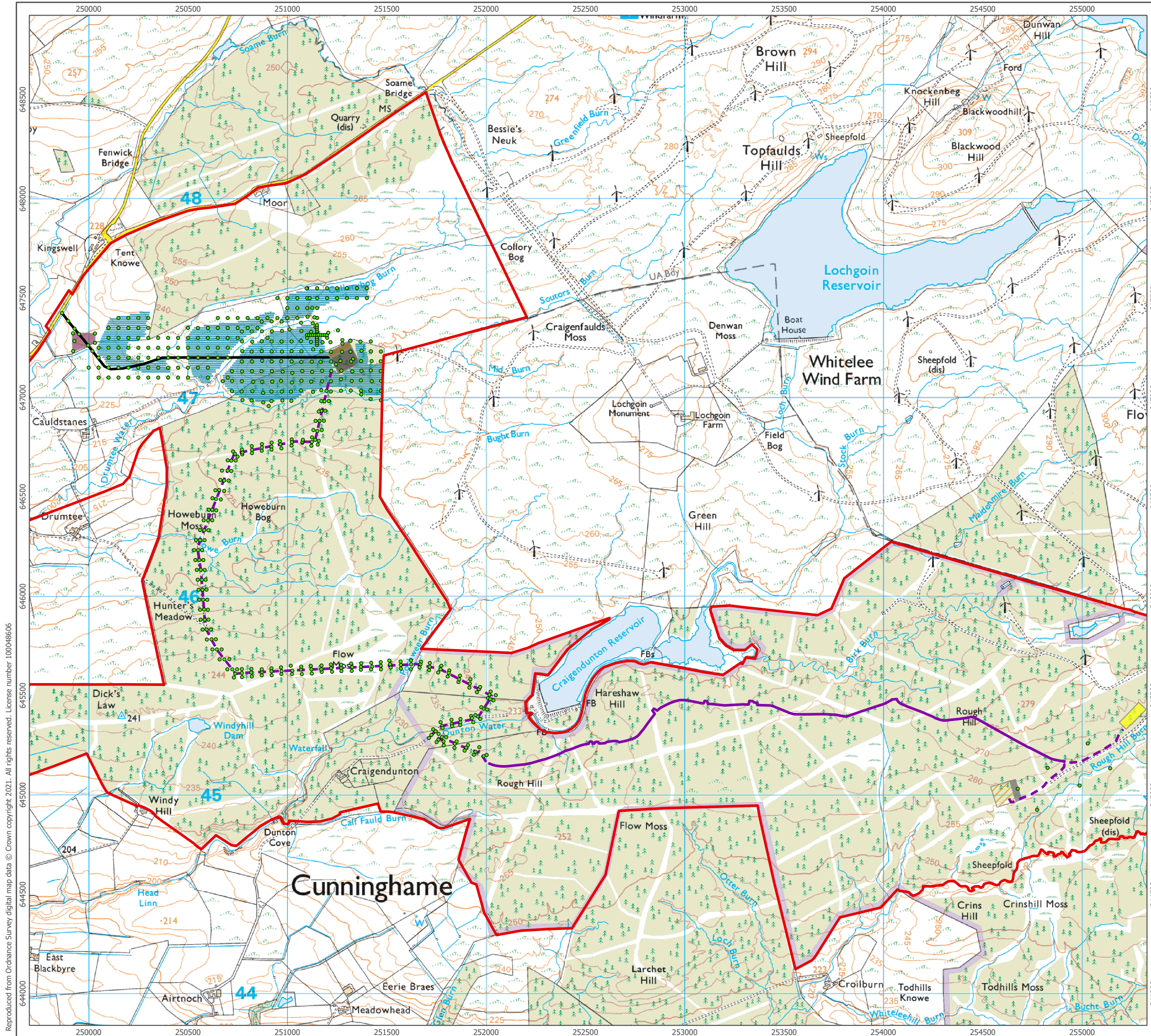
















- Site Boundary
- Peat Probe Locations
- Cables and Roads
 - Existing cable
 - Proposed New Cable
 - Link/Haul Road (S36)
- Site Infrastructure
 - Proposed BESS Temp Compound
 - Proposed Electrolyser
 - Proposed Electrolyser Laydown Area
 - Proposed BESS Compound
 - Proposed Temporary Compound
 - Whitelee Extension Substation
 - Proposed PV Layout
- Interpolated Peat Depths (m)
 - 0.00 - 0.50
 - 0.51 - 1.00
 - 1.01 - 1.50
 - 1.51 - 2.00
 - 2.01 - 2.50
 - 2.51 - 3.00
 - 3.01 - 3.50
 - 3.51 - 4.00
 - 4.01 - 4.50
 - 4.51 - 5.00
 - 5.01 - 5.50

1:18,500 Scale @ A3
0 250 500 M
NORTH

Produced By: BM	Ref: 4362-REP-007
Checked By: SC	Date: 04/06/2021

Interpolated Peat Depths
Figure 7
Whitelee Windfarm Extension Solar, PV, Green Hydrogen Production and Battery Storage Facilities
Peat Slide Risk Assessment



-  Site Boundary
- Cables and Roads
-  Existing cable
 -  Proposed New Cable
 -  Link/Haul Road (S36)
- Site Infrastructure
-  Proposed BESS Temp Compound
 -  Proposed Electrolyser
 -  Proposed Electrolyser Laydown Area
 -  Proposed PV Layout
 -  Proposed BESS Compound
 -  Proposed Temporary Compound
 -  Whitelee Extension Substation
- Factor of Safety
-  Low Risk
 -  Moderate Risk
 -  High Risk

1:18,500 Scale @ A3



0 250 500 M

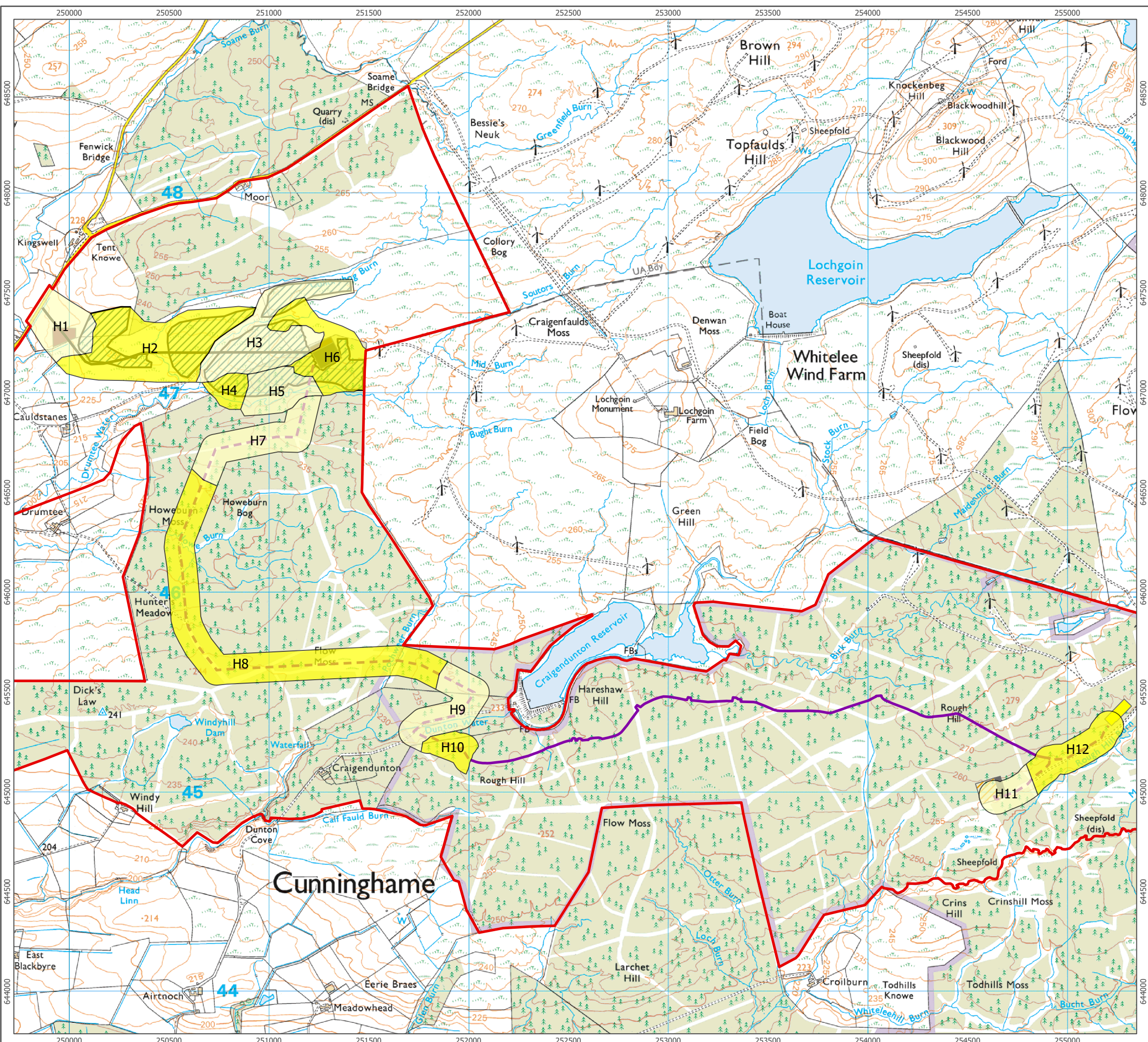
 NORTH














Produced By: BM	Ref: 4362-REP-008
Checked By: SC	Date: 04/06/2021

Factor of Safety Plan
Figure 8



Whitelee Windfarm Extension Solar, PV, Green Hydrogen Production and Battery Storage Facilities
Peat Slide Risk Assessment

Reproduced from Ordnance Survey digital map data © Crown copyright 2021. All rights reserved. License number 100048606



-  Site Boundary
- Cables and Roads
-  Existing cable
-  Proposed New Cable
-  Link/Haul Road (S36)
- Site Infrastructure
-  Proposed BESS Temp Compound
-  Proposed Electrolyser
-  Proposed Electrolyser Laydown Area
-  Proposed BESS Compound
-  Proposed Temporary Compound
-  Whitelee Extension Substation
-  Proposed PV Layout
- Hazard Rank Zonation Plan
-  Negligible
-  Low

1:18,500 Scale @ A3



Produced By: BM	Ref: 4362-REP-009
Checked By: SC	Date: 04/06/2021

Hazard Rank Zonation Plan
Figure 9

Whitelee Windfarm Extension Solar,
PV, Green Hydrogen Production
and Battery Storage Facilities
Peat Slide Risk Assessment