



EDF Energy Nuclear Generation Ltd

**Decommissioning of Hunterston B Nuclear
Power Station**

Environmental Statement

Volume II: Figures





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Report for

EDF Energy Nuclear Generation Limited (EDF)

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Document revisions

No.	Details	Date
1	First Issue	November 2023



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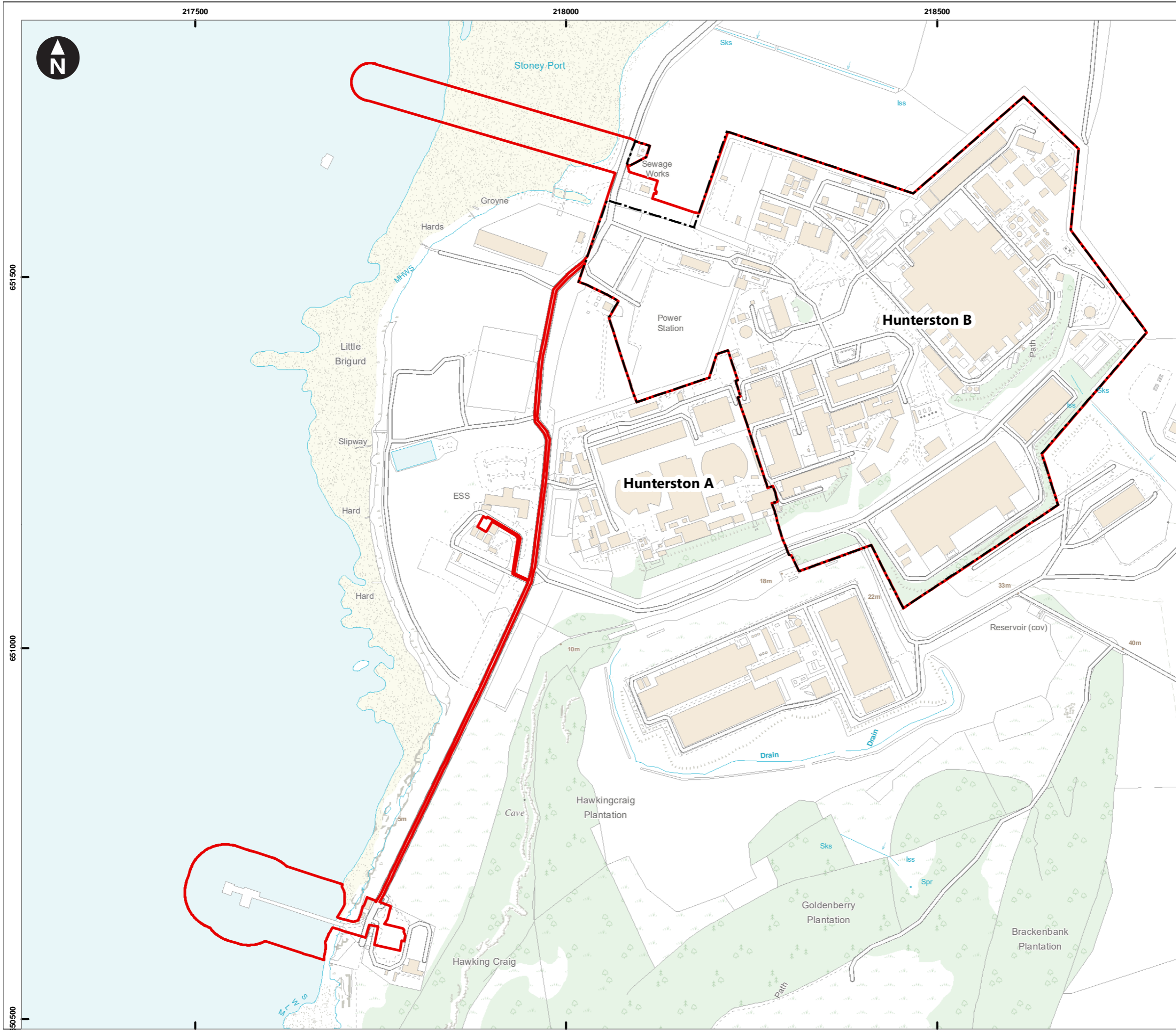
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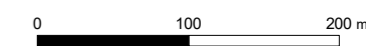
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1.

Introduction



- Key
-  Nuclear Site Licence Boundary ("The Site")
 -  Indicative Dismantling Works Area ("Works Area")



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Figure 1.1
HNB Indicative Dismantling Works Area (Works Area)

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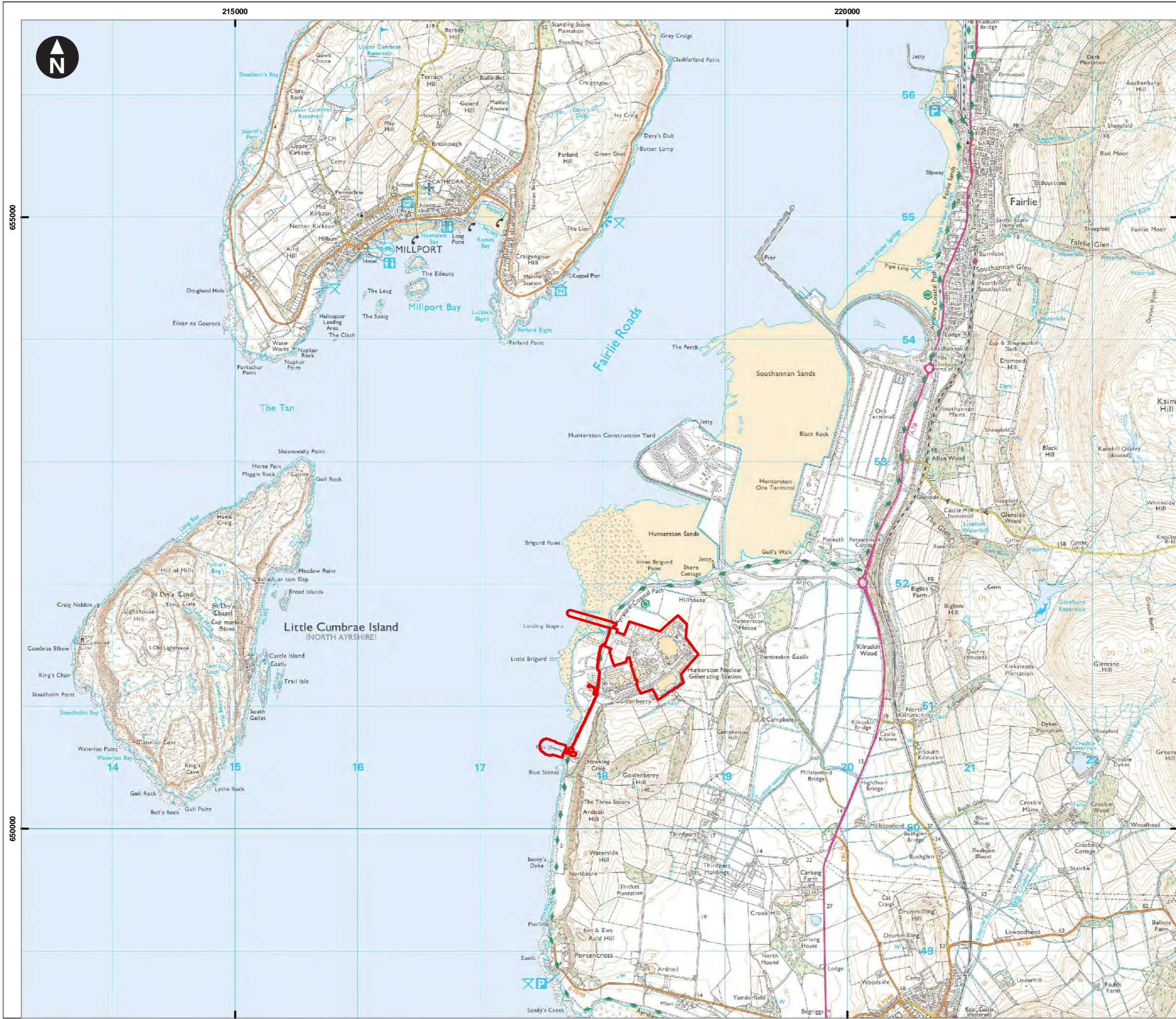


2.

The

Decommissioning

Process



Key

Indicative Dismantling Works Area ("Works Area")



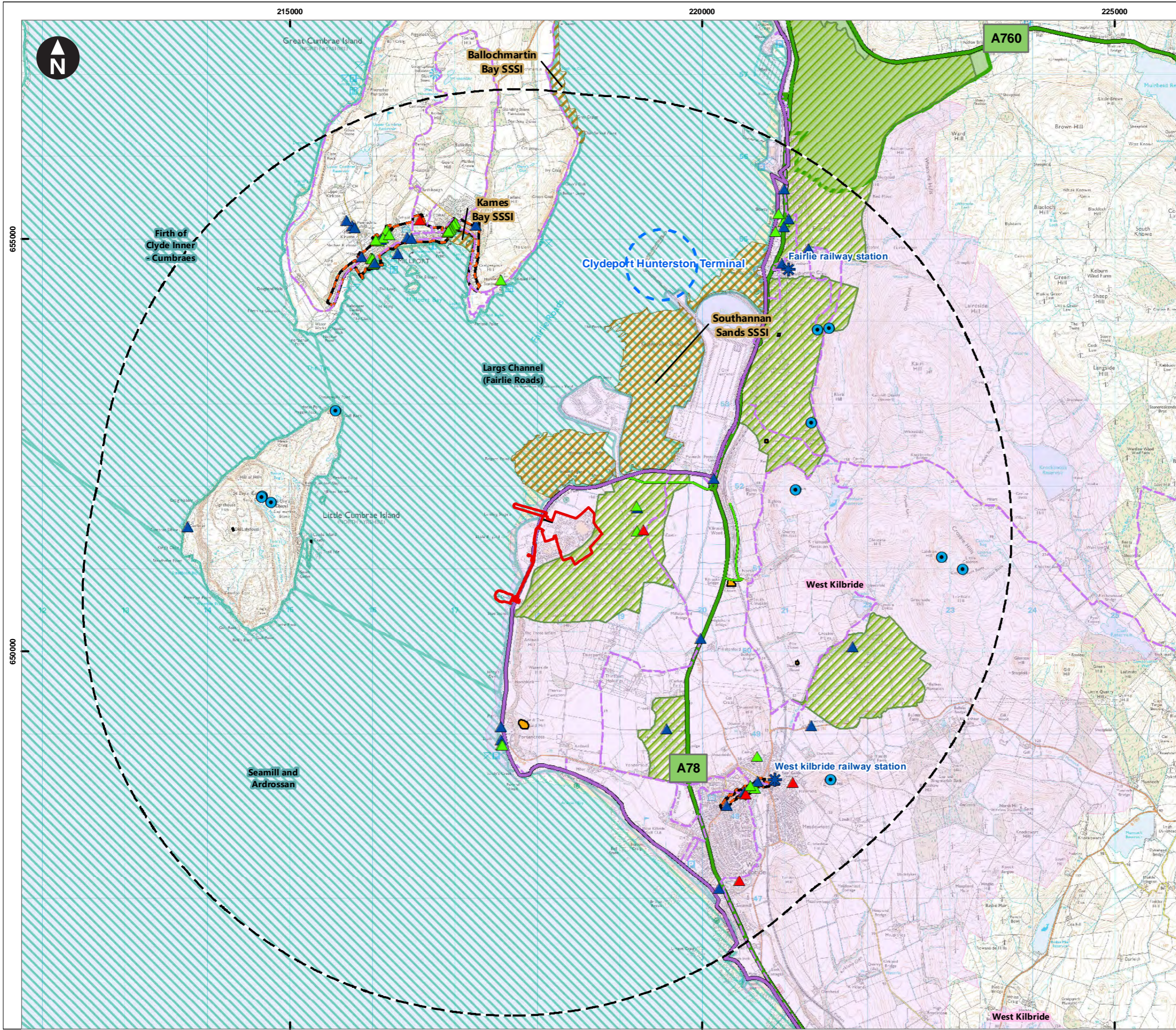
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Figure 2.1
 Site location

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Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- Study area (5km buffer)
- Gardens and Designed Landscapes
- Ayrshire designed landscape
- Conservation Area
- Scheduled Monument
- Potentially significant monument

Listed Building

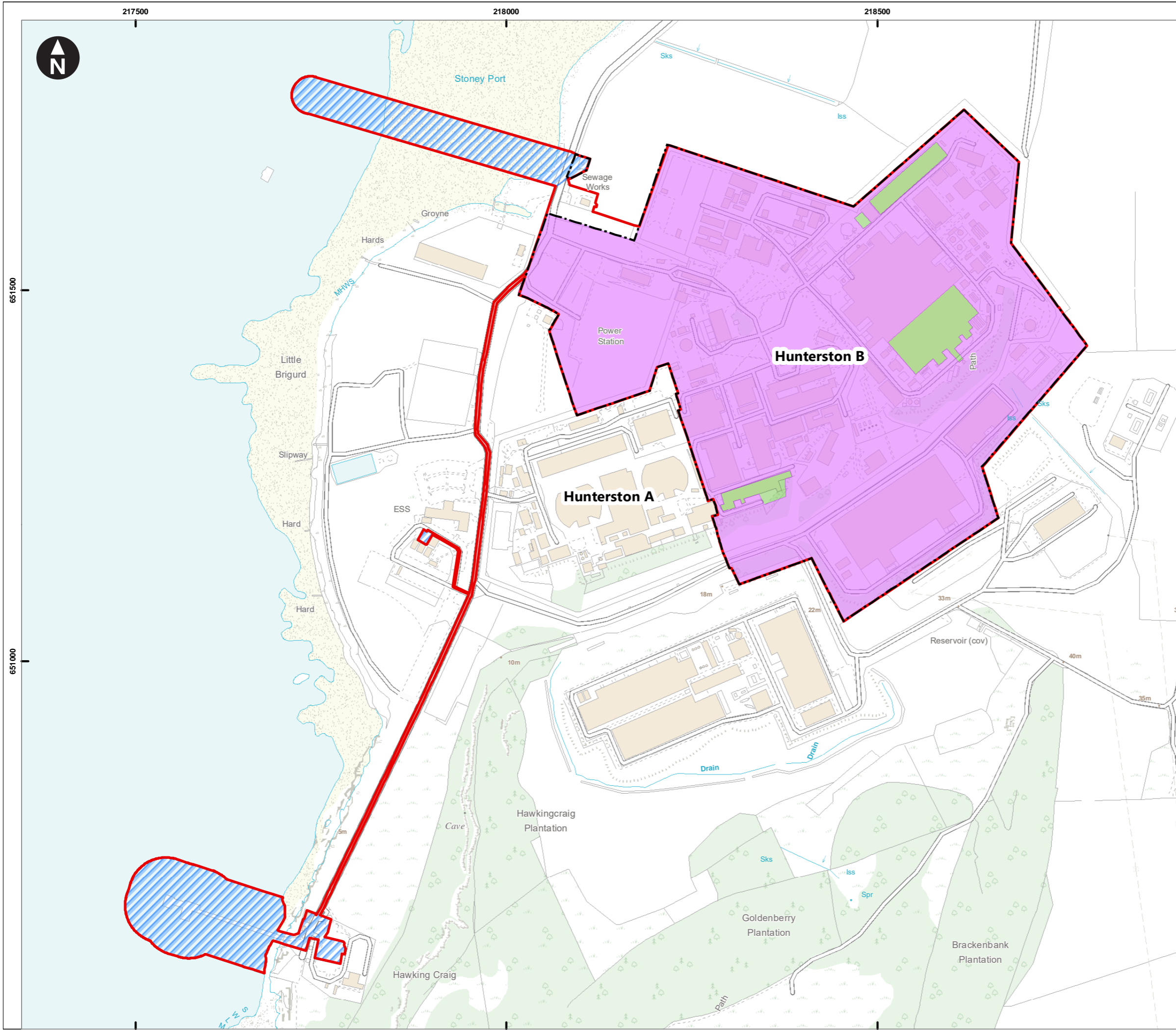
- Grade A
- Grade B
- Grade C

- A Road
- Motorway
- Local road
- Ayrshire Coastal Path
- North Ayrshire Core Path
- Railway station
- Coastal Site of Special Scientific Interest (SSSI)
- Groundwater WFD water body
- Coastal WFD water bodies

0 500 1,000 1,500 2,000 2,500 m
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Figure 2.2
Environmental constraints plan 5km search area



Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")

Works Area

- Radiation Controlled Area
- The Conventional Area
- The Marine Area

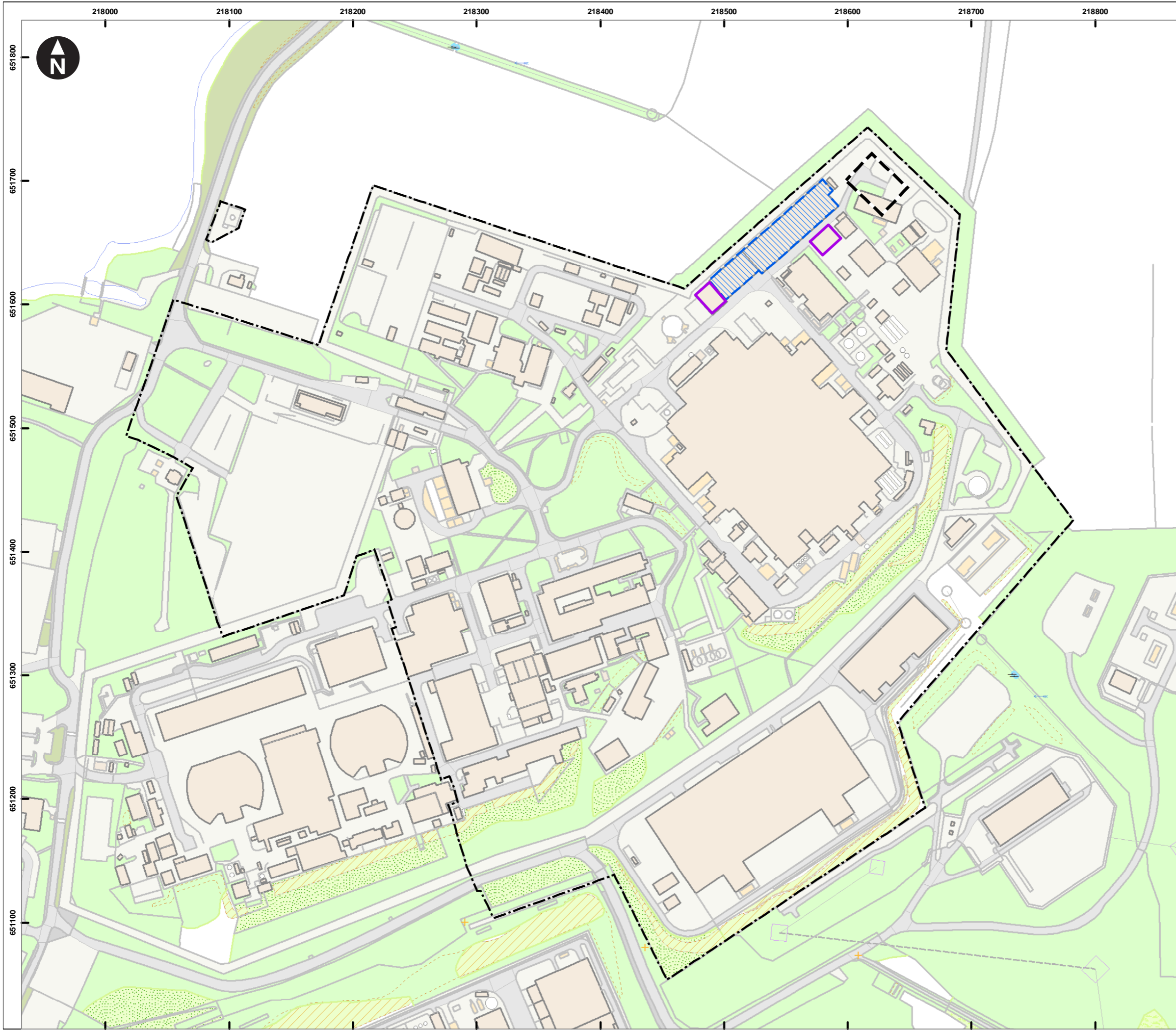
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Figure 2.3
 Layout of the Works Area

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- Key
- Nuclear Site Licence Boundary ("The Site")
 - Proposed Operational Waste Processing Facility (OWPF)
 - Buildings to be re-purposed as the Decommissioning Waste Processing Facility (DWPF)
 - Small new modular buildings to provide buffer storage to facilitate DWPF operations

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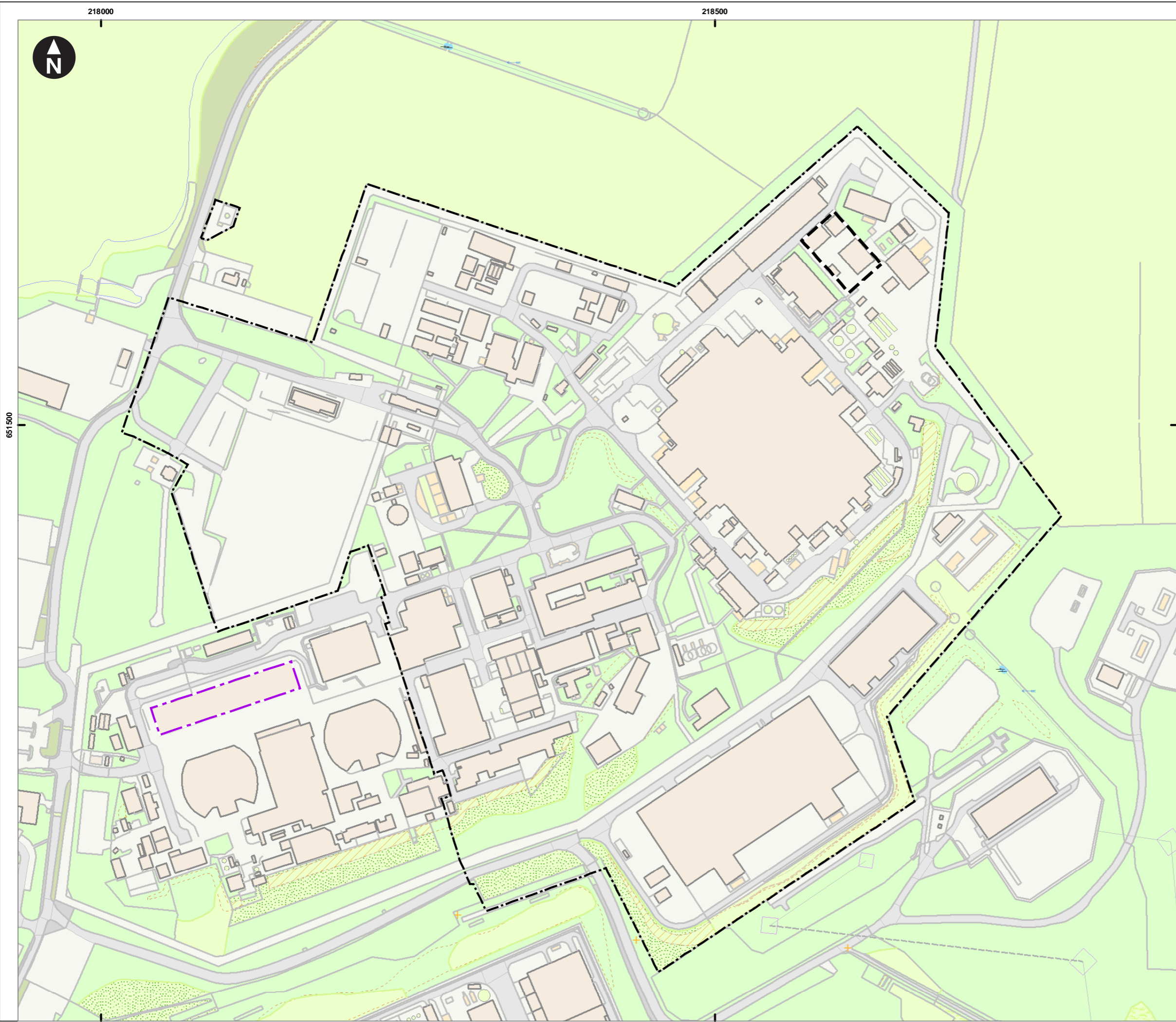
Figure 2.4
Location of re-purposed building for DWPF and proposed OWPF location




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3.

Alternatives



- Key
-  Nuclear Site Licence Boundary ("The Site")
 -  HNB Proposed ILW Store New Build Option
 -  Existing HNA ILW Store

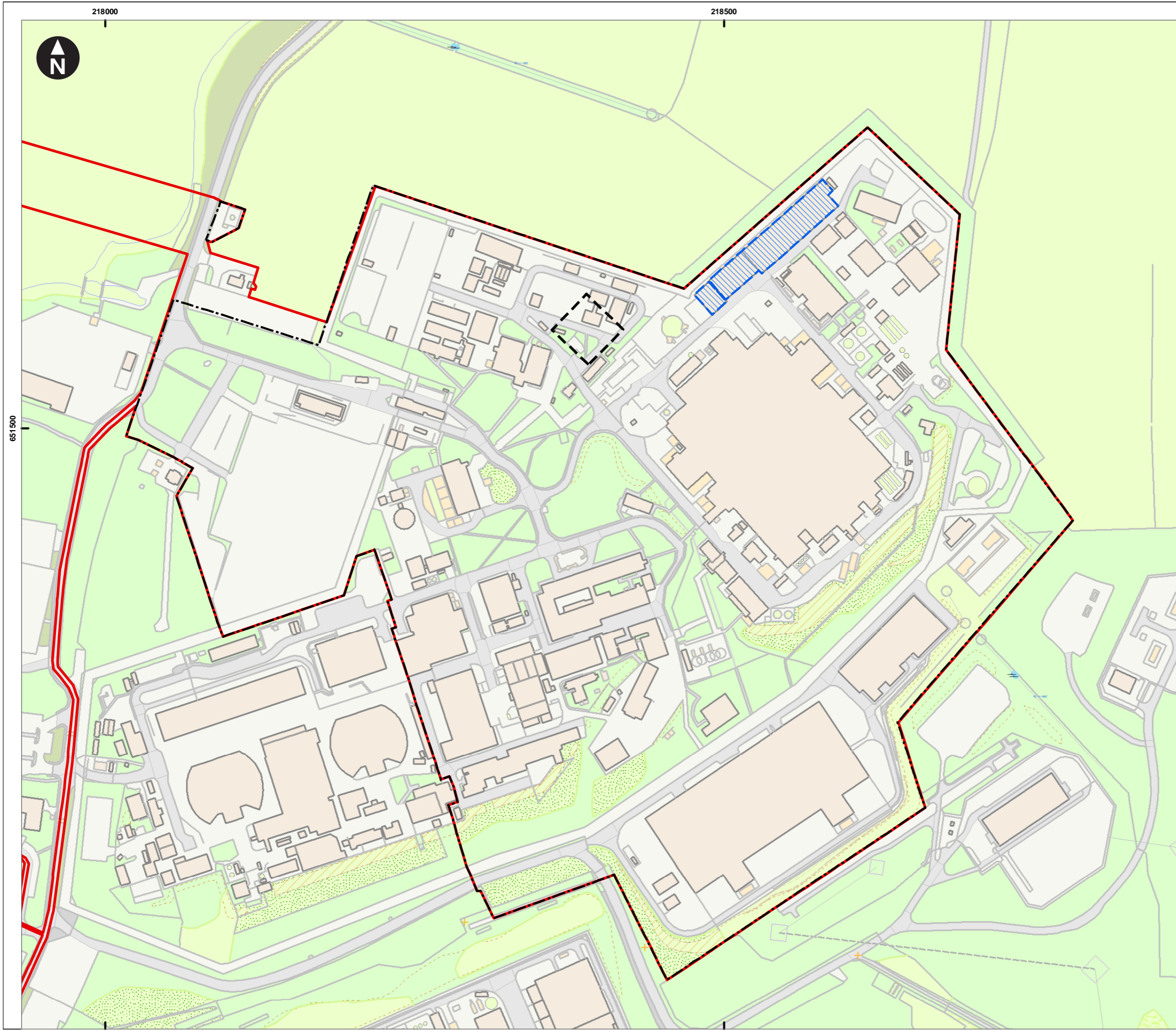
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Decommissioning of Hunterston B Nuclear Power Station
 EIA Scoping Report

Figure 3.1
Options considered for the ILW store

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- Key
-  Nuclear Site Licence Boundary ("The Site")
 -  Indicative Dismantling Works Area ("Works Area")
 -  Location of new build DWPF option
 -  Buildings to be re-purposed as the Decommissioning Waste Processing Facility (DWPF)

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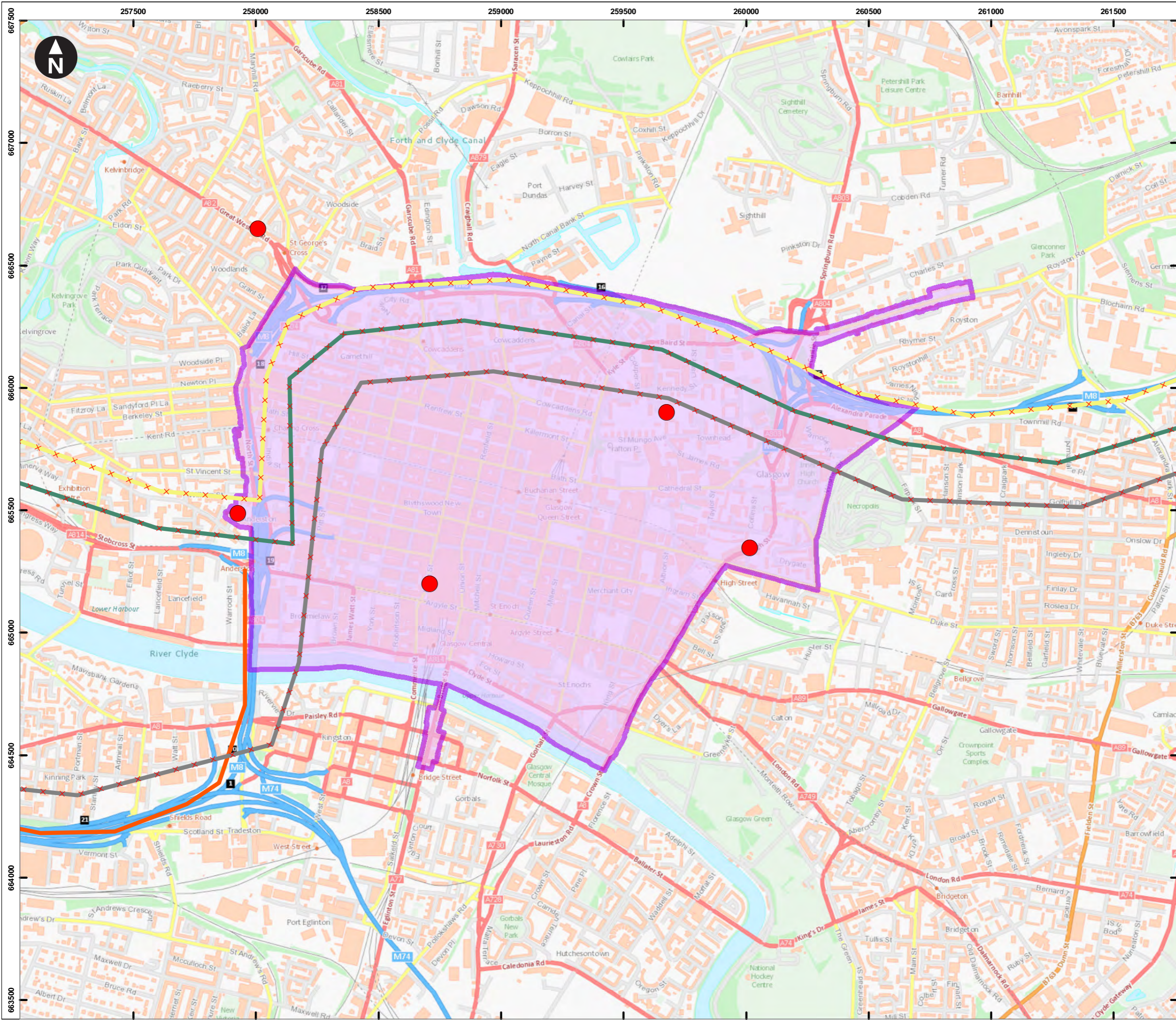
Figure 3.2
Options for the Decommissioning Waste Processing Facility (DWPF)

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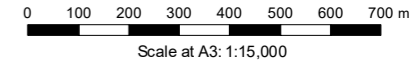
6.

Air Quality



Key

- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")
- x x x Route 1
- x x x Route 2A
- x x x Route 3
- x x x Route 4
- Glasgow monitoring locations
- Glasgow city centre AQMA

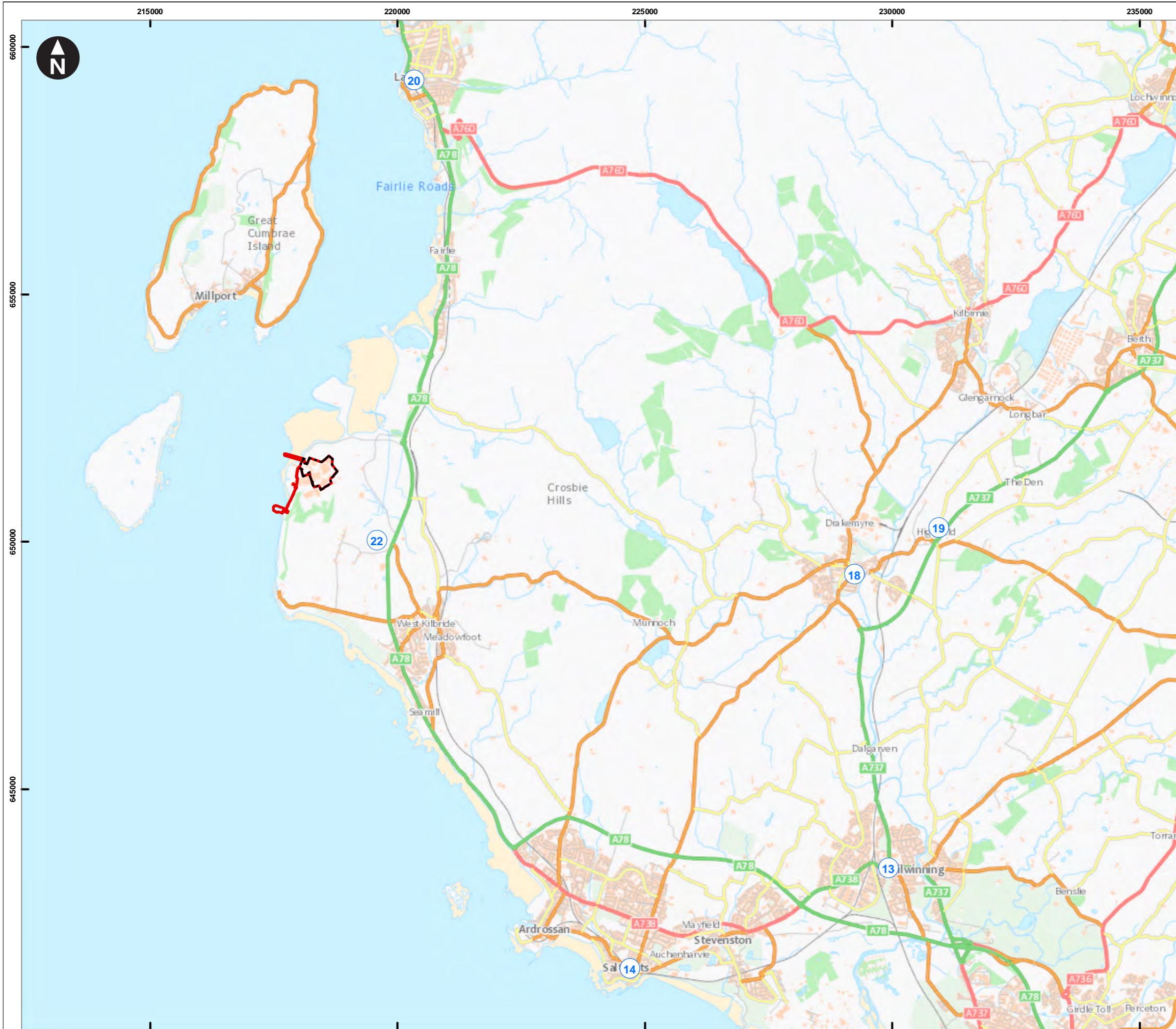


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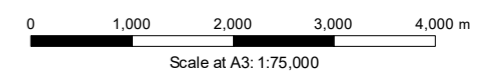
**Figure 6.1
Automatic monitoring locations in
Glasgow City**





Key

- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")
- 1 Passive monitoring locations



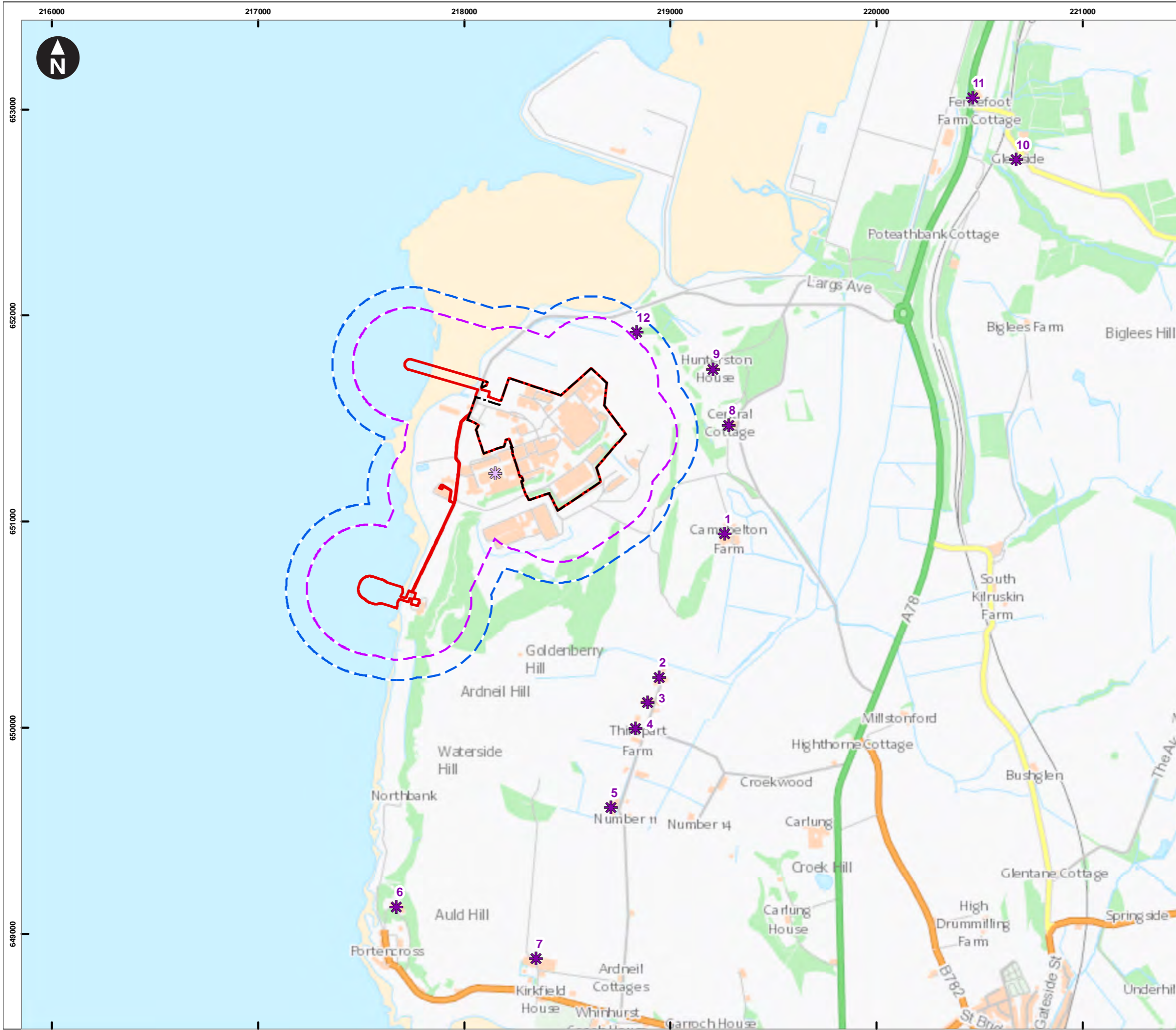
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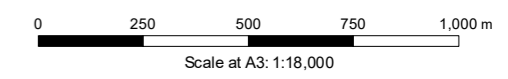
Figure 6.2
Passive monitoring locations

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- Key
- Indicative Dismantling Works Area ("Works Area")
 - Nuclear Site Licence Boundary ("The Site")
 - 350m buffer
 - 250m buffer
 - * Human receptors of High sensitivity
 - * Human receptors of Medium sensitivity



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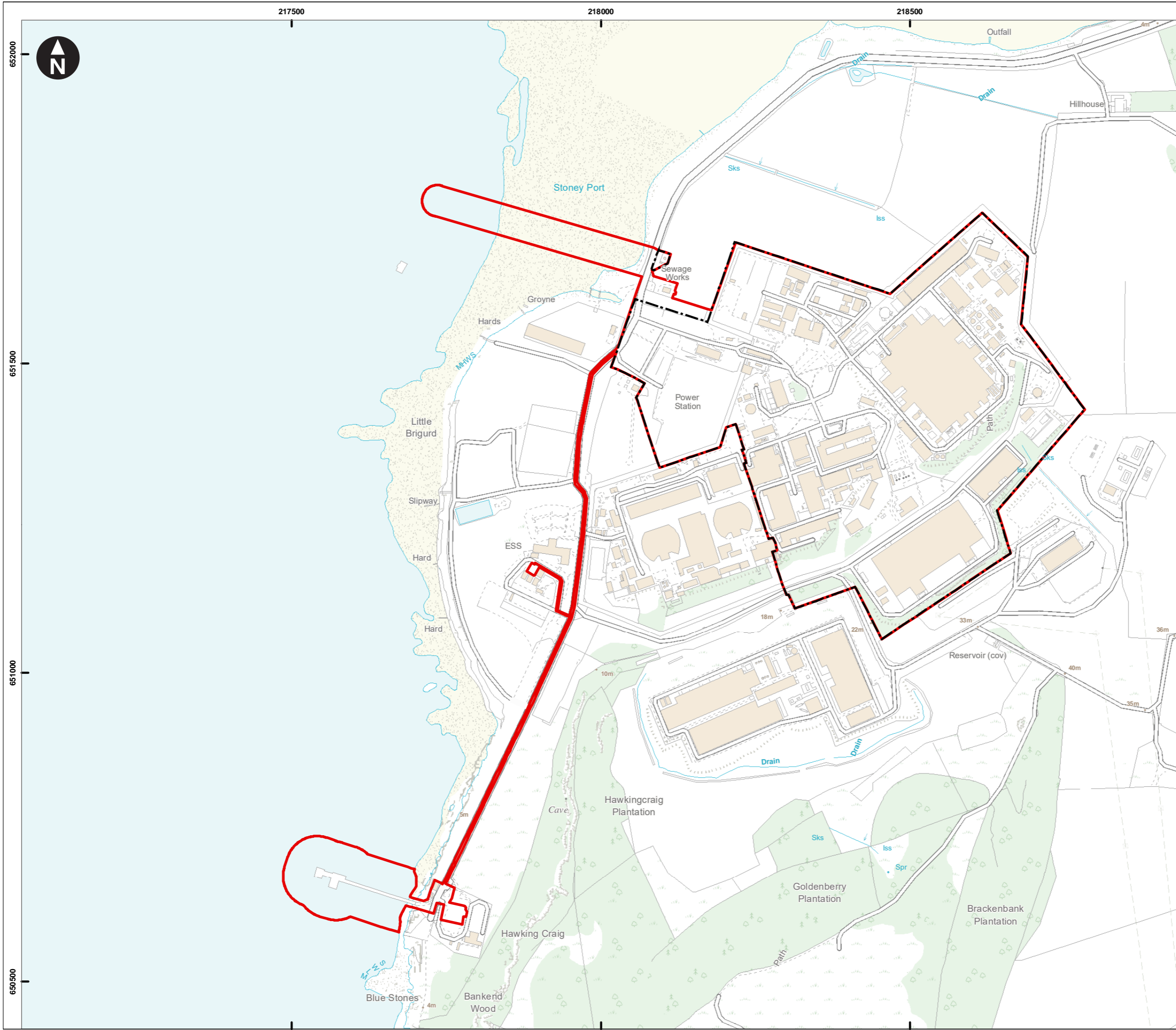
Figure 6.3
Human receptors in the vicinity of the Proposed Works

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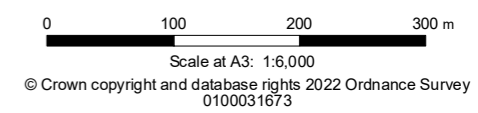


8.

Terrestrial Biodiversity and Ornithology



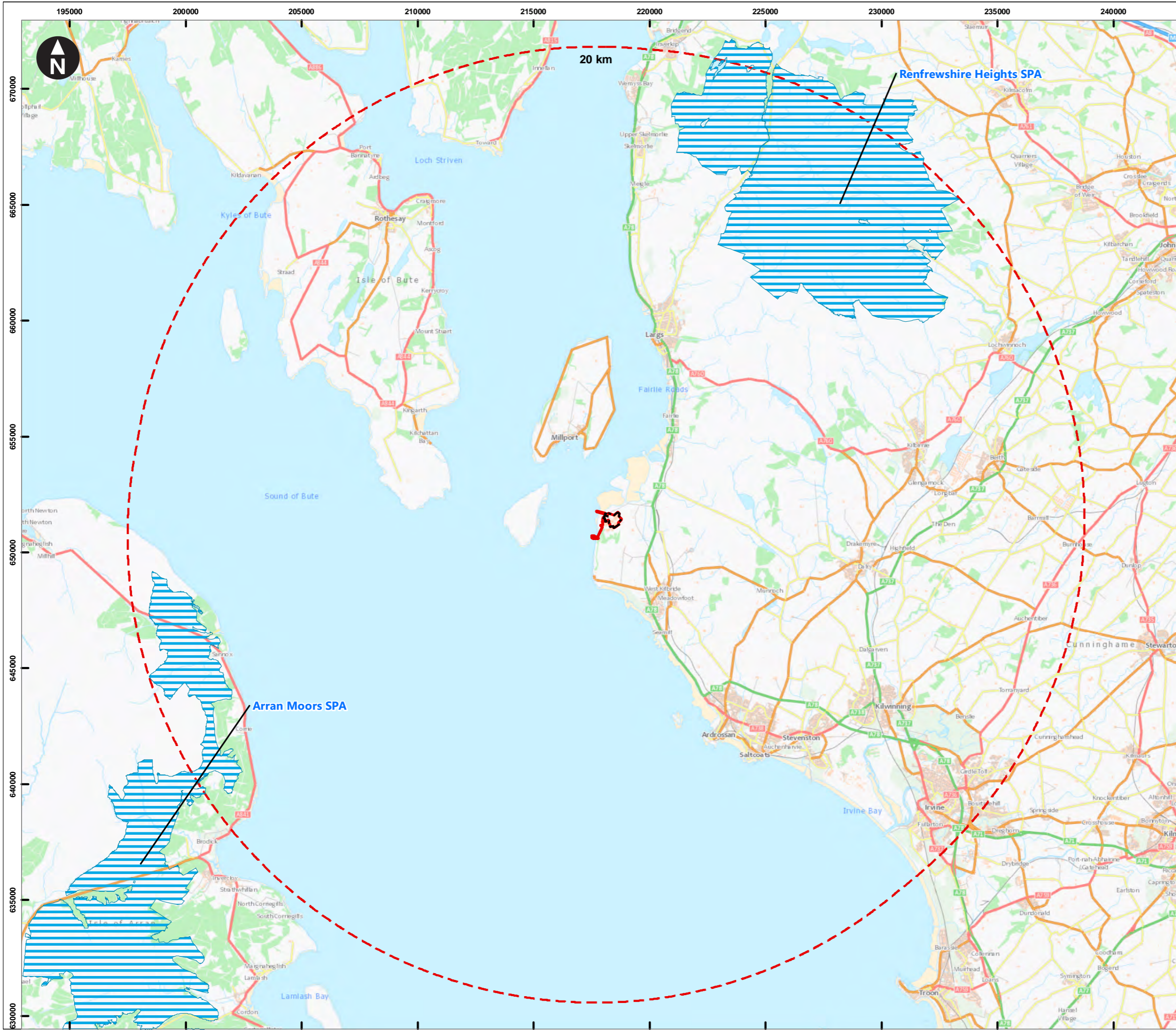
- Key
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")



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Figure 8.1
The Site and Works Area





Key

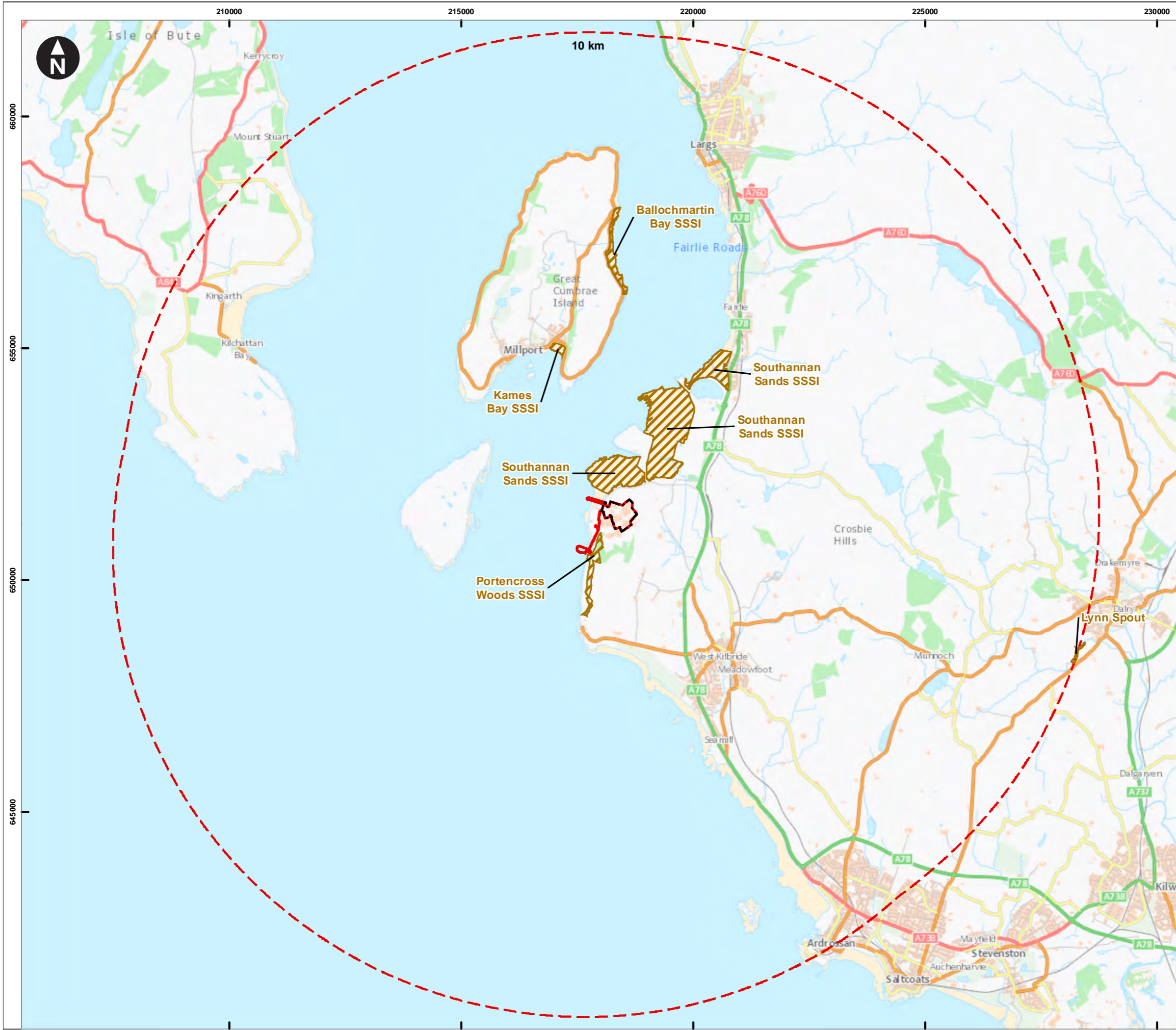
- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")
- Special Protection Area (SPA)

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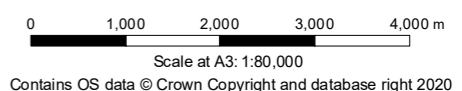
Figure 8.2
Statutory biodiversity conservation sites (Ornithological importance)

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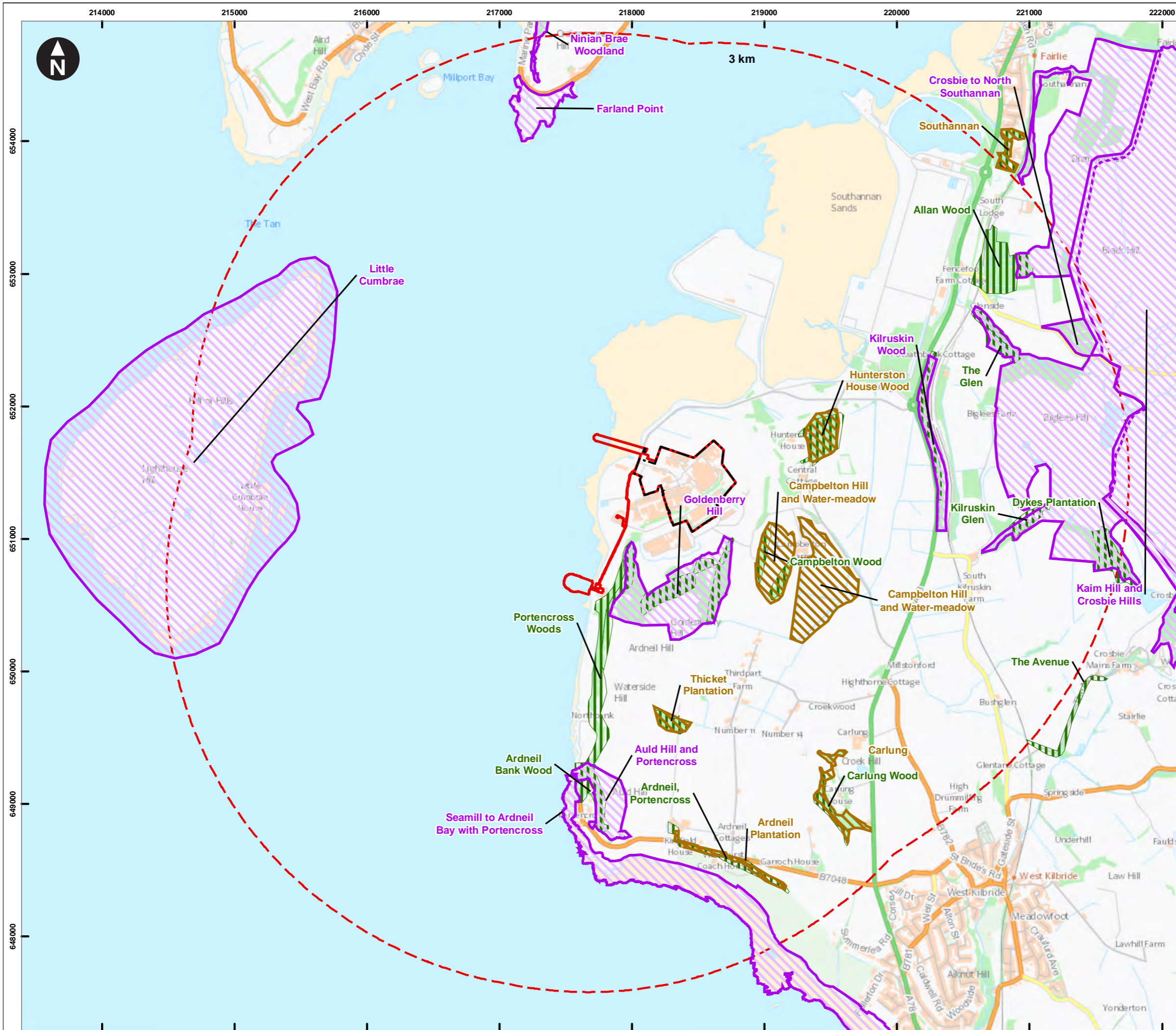
Key

- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")
- Site of Special Scientific Interest (SSSI)



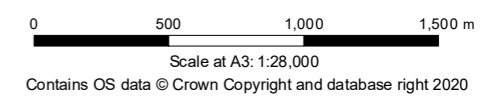
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Environmental Statement

Figure 8.3
Statutory biodiversity conservation sites



- Key
- Indicative Dismantling Works Area ("Works Area")
 - Nuclear Site Licence Boundary ("The Site")
 - Local Nature Conservation Sites (LNCS)
 - Sites of biodiversity interest that do not qualify as LNCS
 - Ancient Woodland Inventory (AWI)

Note:
Details of LNCS remain subject to landowner consultation

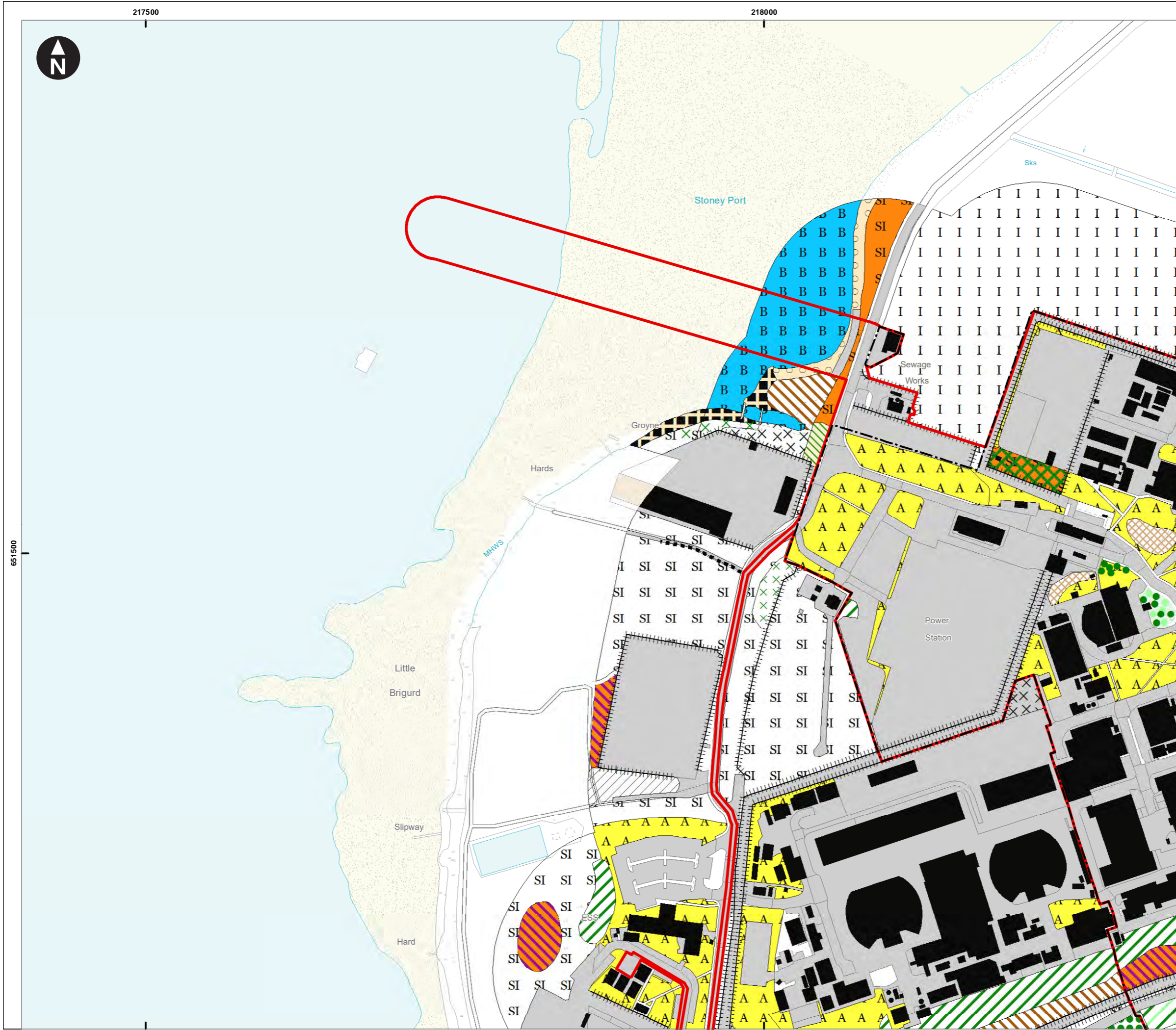


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Figure 8.4
Non-statutory biodiversity conservation sites

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Key

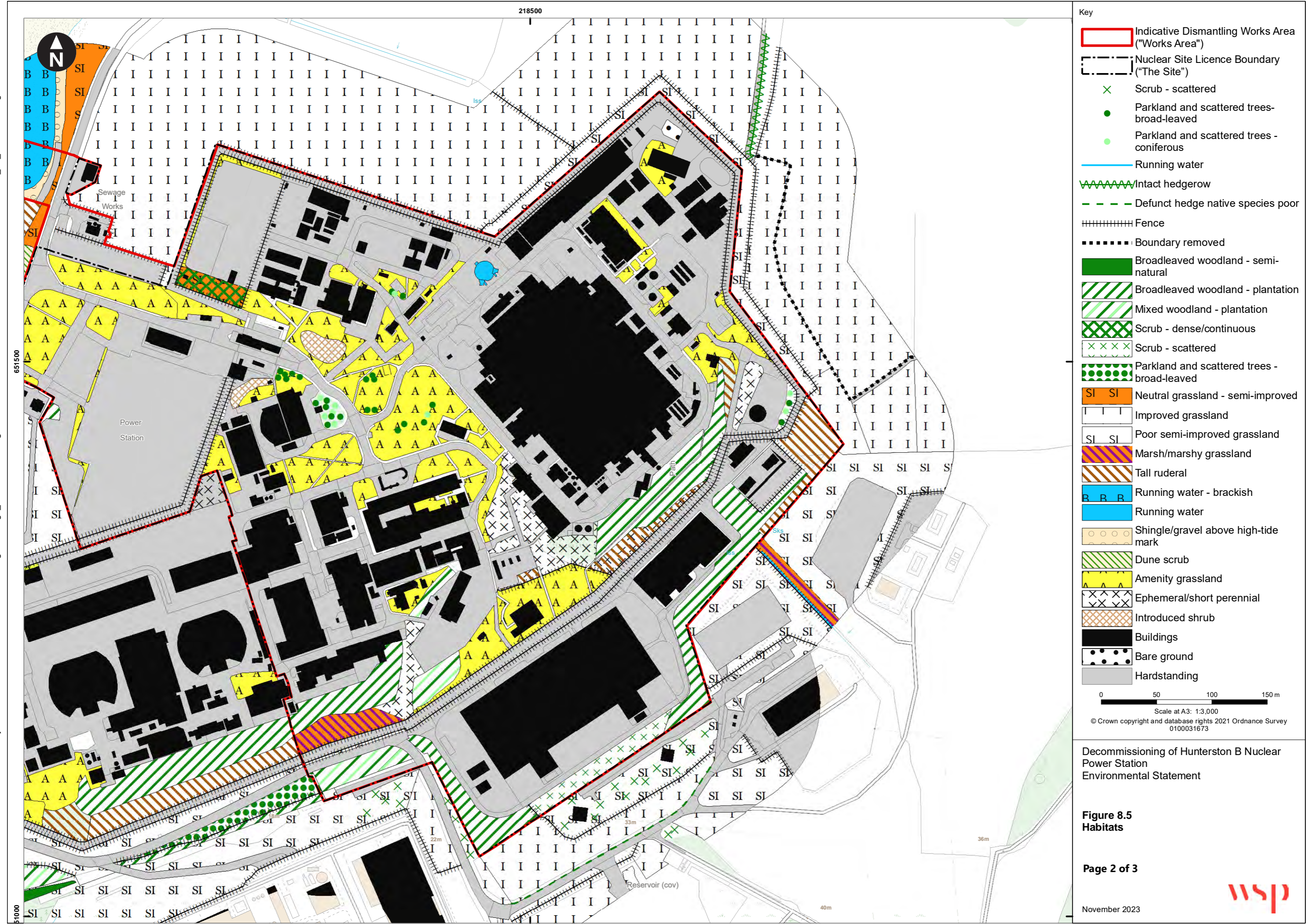
- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")
- x Scrub - scattered
- Parkland and scattered trees - broad-leaved
- Parkland and scattered trees - coniferous
- ||||| Fence
- Boundary removed
- Broadleaved woodland - plantation
- Mixed woodland - plantation
- Scrub - dense/continuous
- Scrub - scattered
- Parkland and scattered trees - broad-leaved
- Neutral grassland - semi-improved
- Improved grassland
- Poor semi-improved grassland
- Marsh/marshy grassland
- Tall ruderal
- Running water - brackish
- Running water
- Shingle/gravel above high-tide mark
- Rocks/boulders above high-tide mark
- Dune scrub
- Amenity grassland
- Ephemeral/short perennial
- Introduced shrub
- Buildings
- Other habitat
- Hardstanding

0 50 100 150 m
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Figure 8.5
Habitats





Key

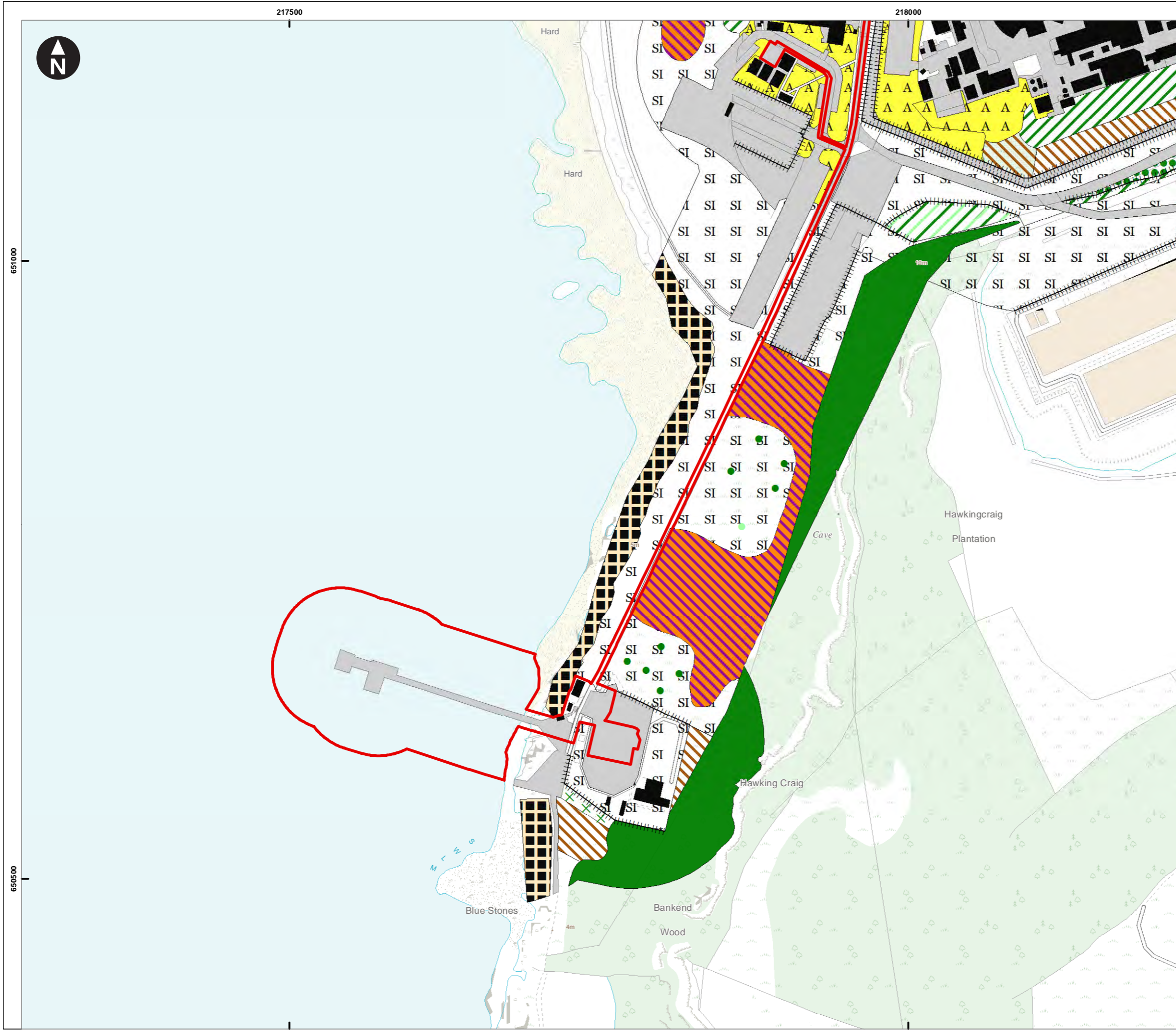
- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")
- × Scrub - scattered
- Parkland and scattered trees - broad-leaved
- Parkland and scattered trees - coniferous
- Running water
- ~ Intact hedgerow
- - - Defunct hedge native species pool
- Fence
- Boundary removed
- Broadleaved woodland - semi-natural
- Broadleaved woodland - plantation
- Mixed woodland - plantation
- Scrub - dense/continuous
- Scrub - scattered
- Parkland and scattered trees - broad-leaved
- Neutral grassland - semi-improved
- Improved grassland
- Poor semi-improved grassland
- Marsh/marshy grassland
- Tall ruderal
- Running water - brackish
- Running water
- Shingle/gravel above high-tide mark
- Dune scrub
- Amenity grassland
- Ephemeral/short perennial
- Introduced shrub
- Buildings
- Bare ground
- Hardstanding

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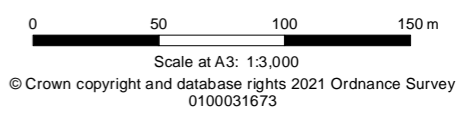
Figure 8.5
Habitats





Key

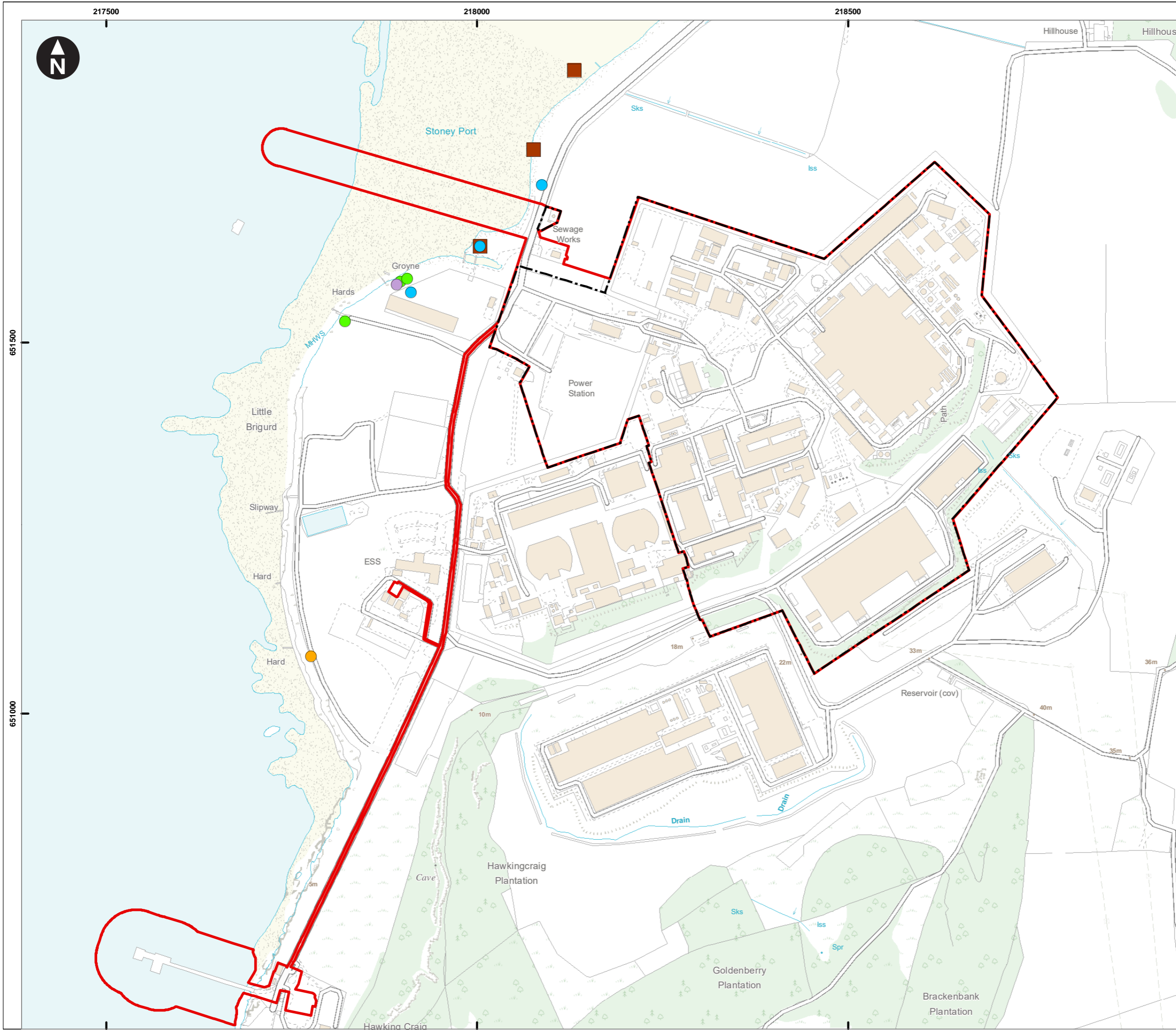
- Indicative Dismantling Works Area ("Works Area")
- × Scrub - scattered
- Parkland and scattered trees - broad-leaved
- Parkland and scattered trees - coniferous
- Fence
- Broadleaved woodland - semi-natural
- Broadleaved woodland - plantation
- Mixed woodland - plantation
- Parkland and scattered trees - broad-leaved
- SI SI Poor semi-improved grassland
- Marsh/marshy grassland
- Tall ruderal
- Rocks/boulders above high-tide mark
- Amenity grassland
- Buildings
- Hardstanding



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Figure 8.5
Habitats





- Key
- Indicative Dismantling Works Area ("Works Area")
 - Nuclear Site Licence Boundary ("The Site")
 - Holt
 - Potential holt
 - Couch
 - Otter habitat potential
 - Spraint



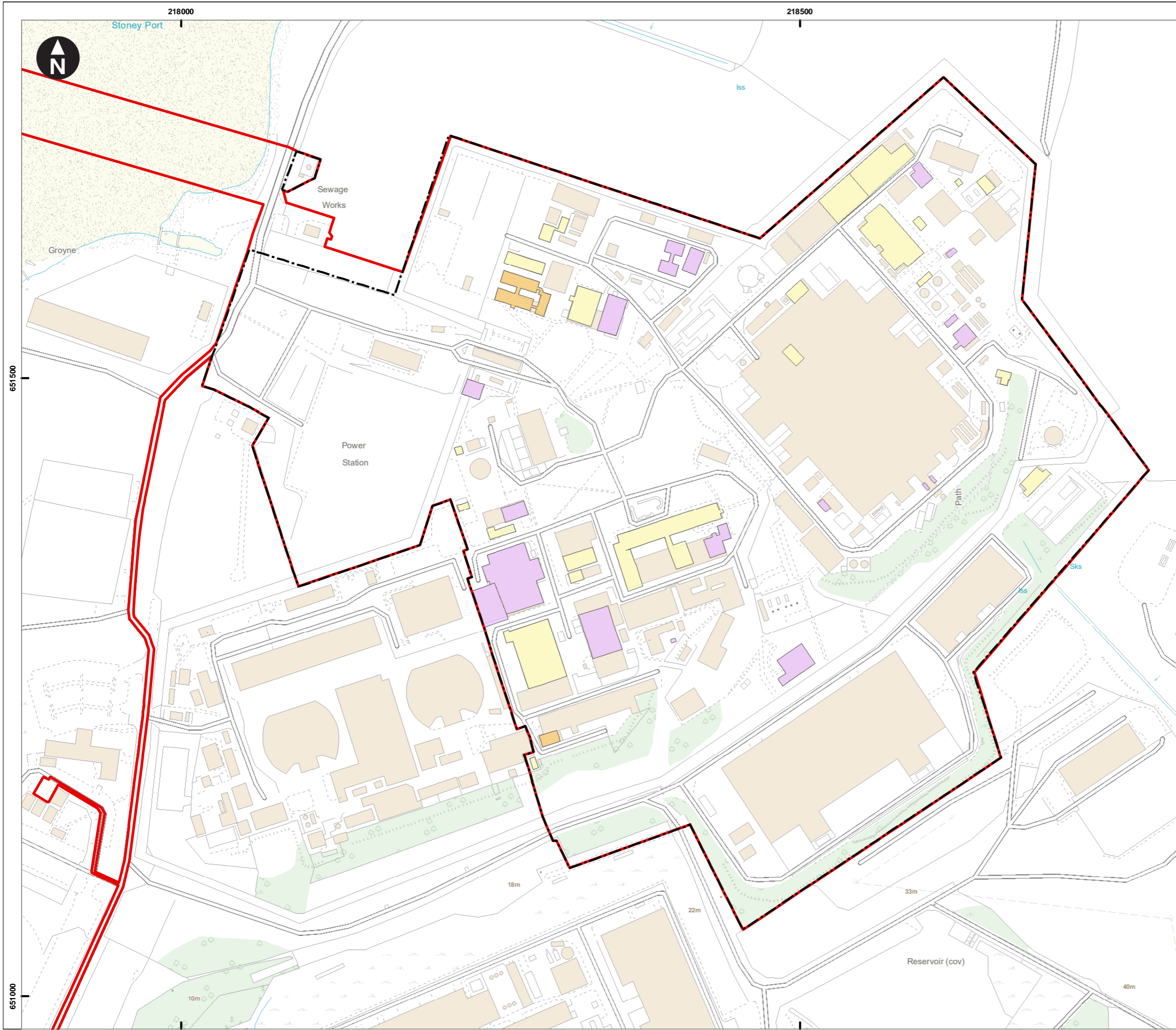
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Figure 8.6
 Otter activity

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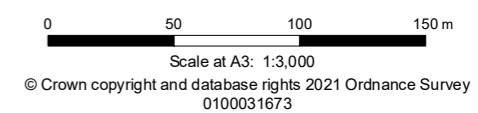
Key

- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")

Bat Roost Suitability

- Moderate
- Low
- Low to negligible

Note: All other buildings have negligible bat roost suitability.



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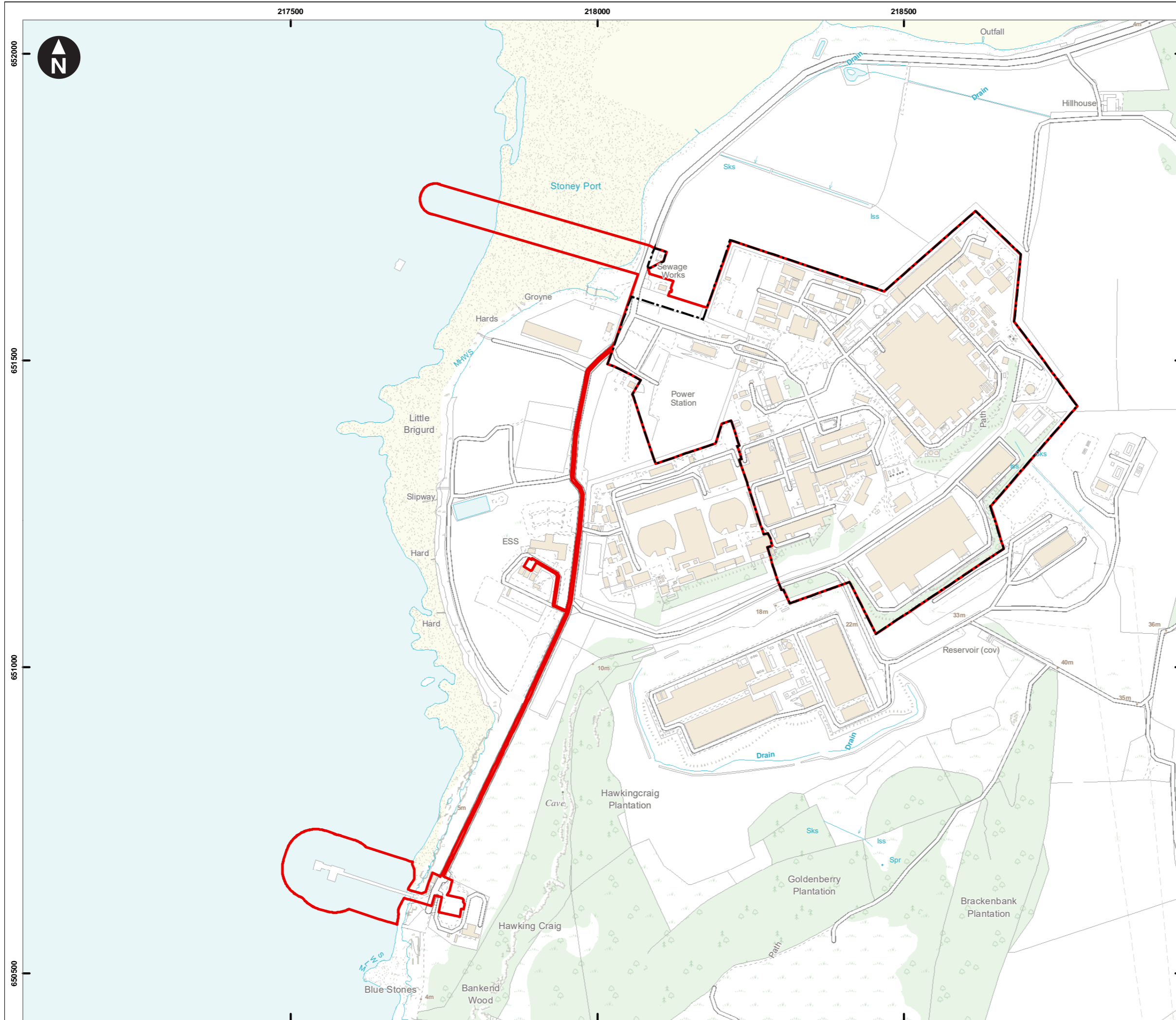
Figure 8.7
Bat roost suitability - buildings

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9.

Marine Biodiversity



Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")

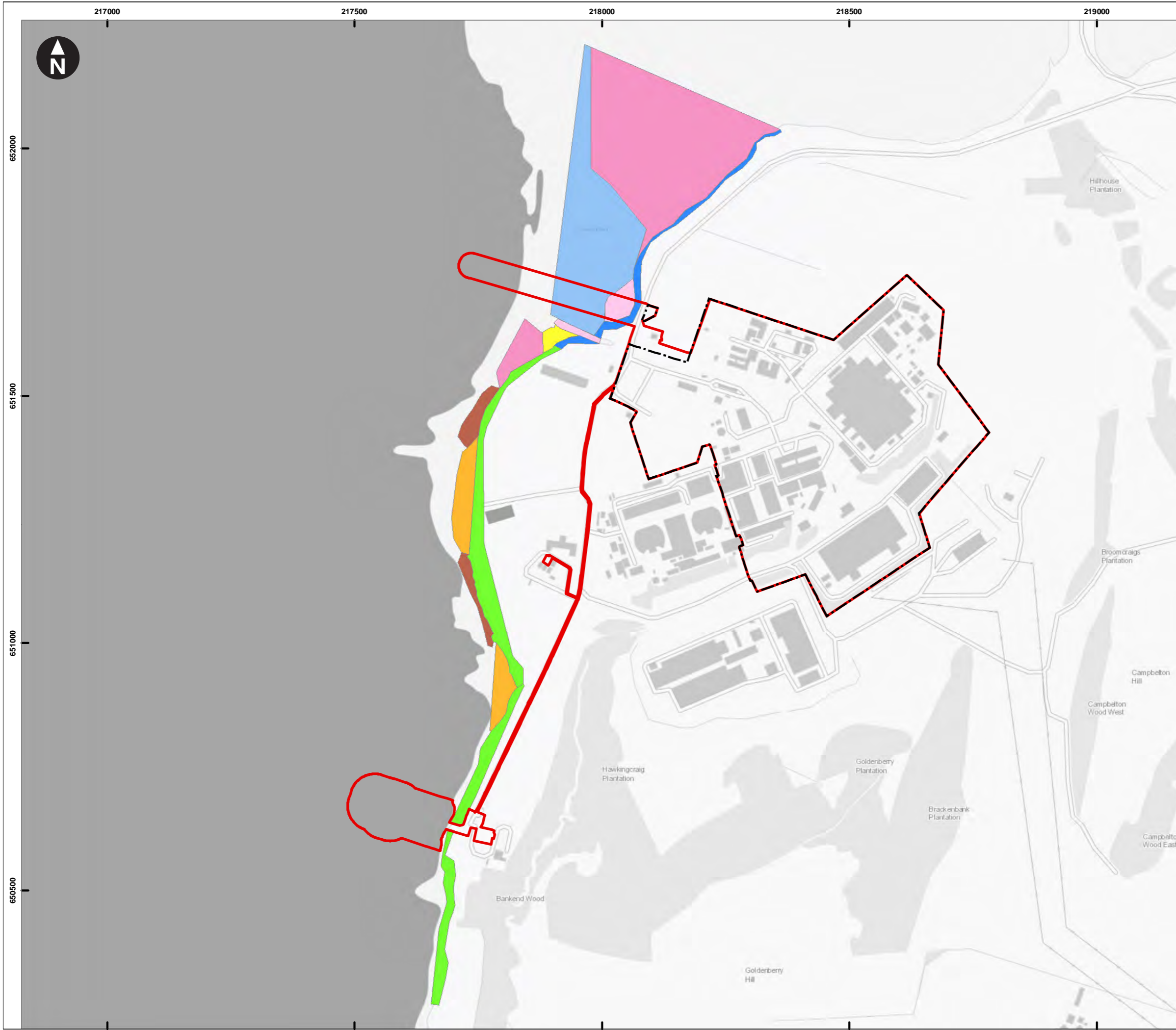
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Figure 9.1
Site location

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Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")

Biotope

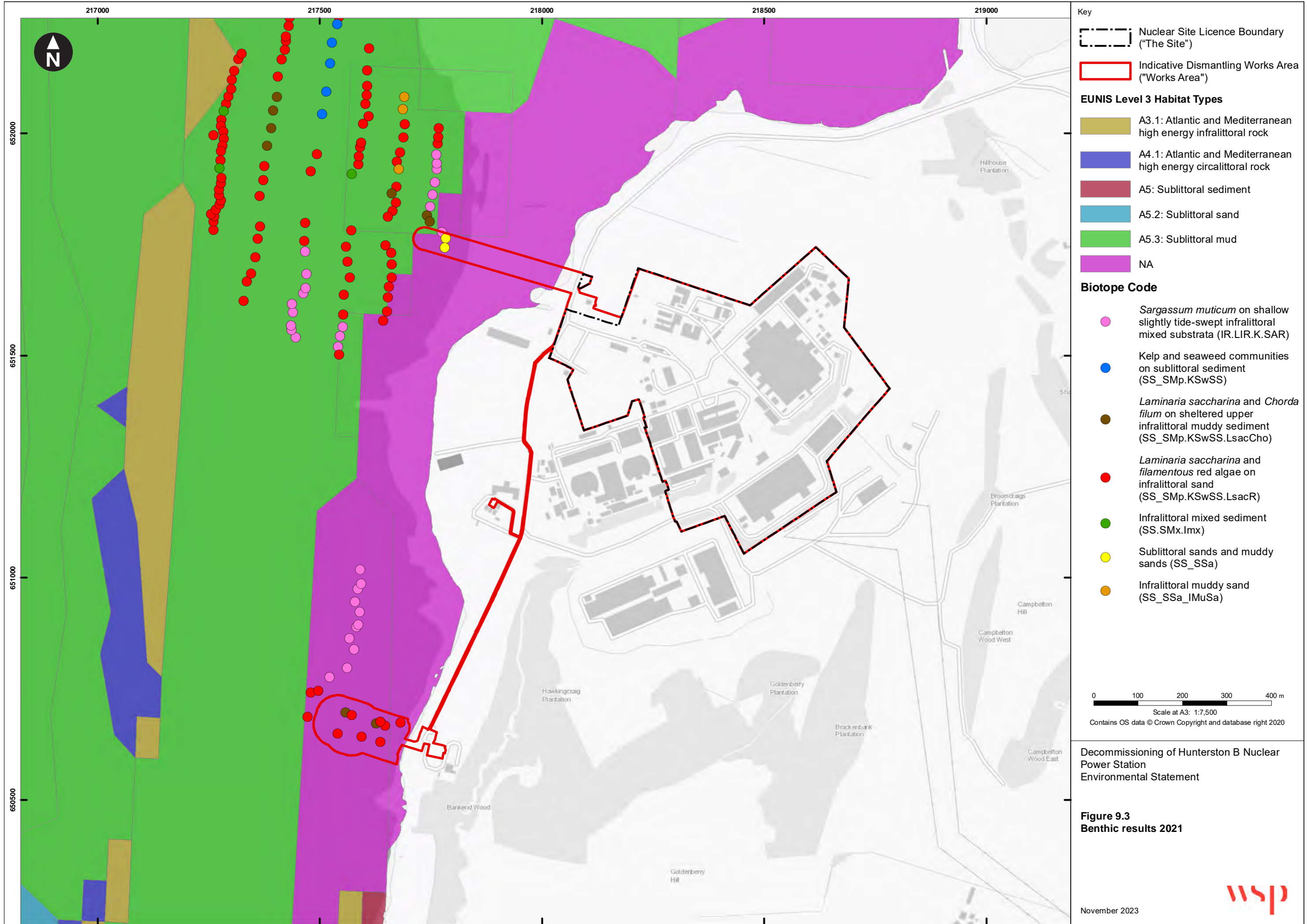
- Ephemeral green and red seaweeds on variable salinity and/or disturbed eulittoral mixed substrata (LR.FLR.Eph.EphX)
- Yellow and grey lichens on supralittoral rock (LR.FLR.Lic.YG)
- Ascophyllum nodosum* and *Fucus vesiculosus* on variable salinity mid eulittoral rock (LR.LLR.FVS.AscVS)
- Fucus serratus* and under-boulder fauna on exposed to moderately exposed lower eulittoral boulders (LR.MLR.BF.Fser.Bo)
- Fucus serratus* and under-boulder fauna on exposed to moderately exposed lower eulittoral boulders (LR.MLR.BF.Fser.R)
- Barren Littoral Shingle (LS.LCS.Sh.BarSh)
- Littoral mixed sediment (LS.LMx.Mx)
- Polychaete/bivalve-dominated muddy sand shores (LS.LSa.MuSa)

0 100 200 300 400 m
Scale at A3: 1:7,500
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Decommissioning of Hunterston B Nuclear Power Station
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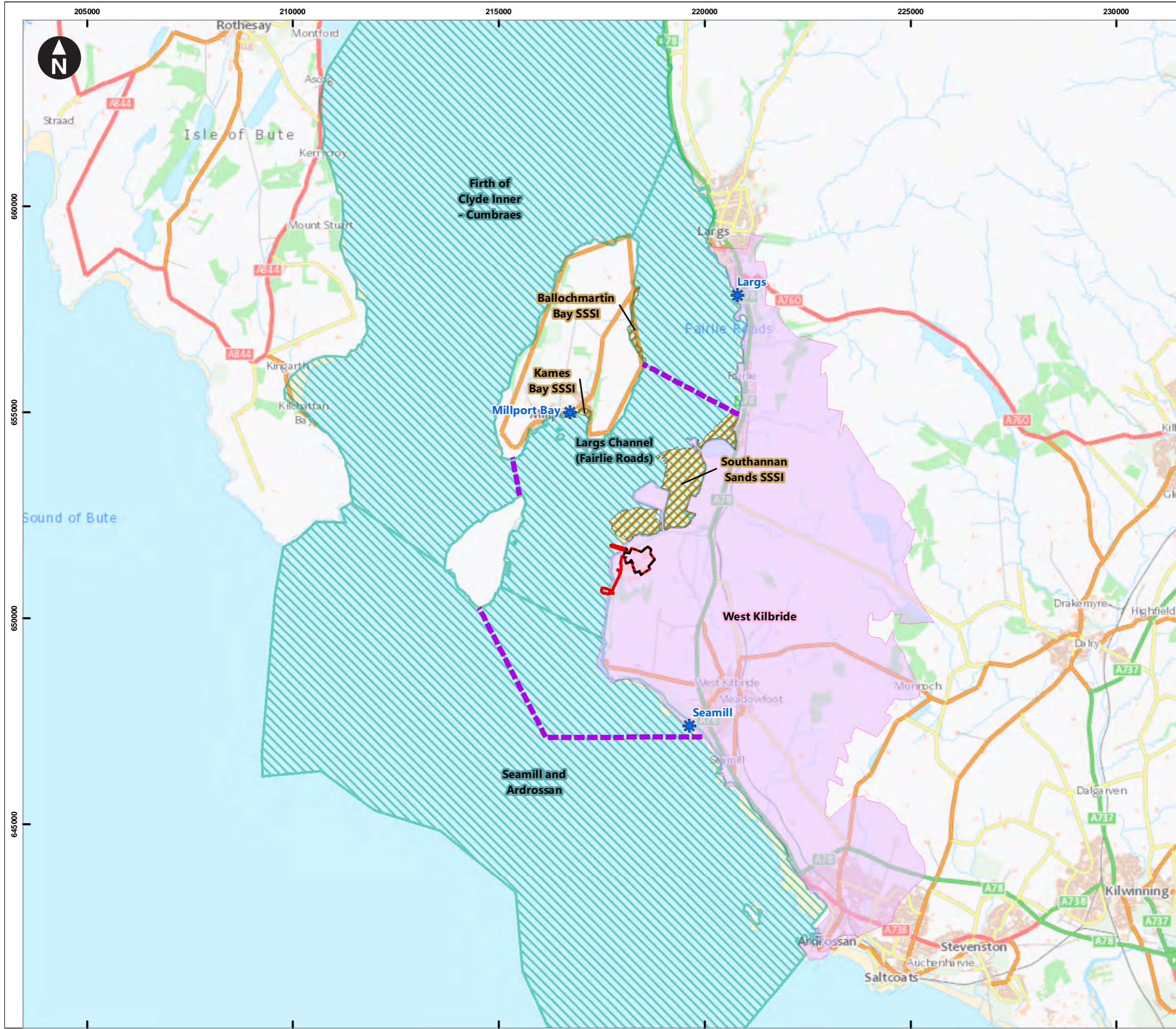
Figure 9.2
Intertidal results 2022

November 2023



10.

Coastal Management and Water Quality



- Key
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")
 - Coastal Site of Special Scientific Interest (SSSI)
 - Bathing Waters
 - Groundwater WFD water body
 - Coastal WFD water bodies
 - Study area

0 1,000 2,000 3,000 4,000 5,000m
 Scale at A3: 1:90,000
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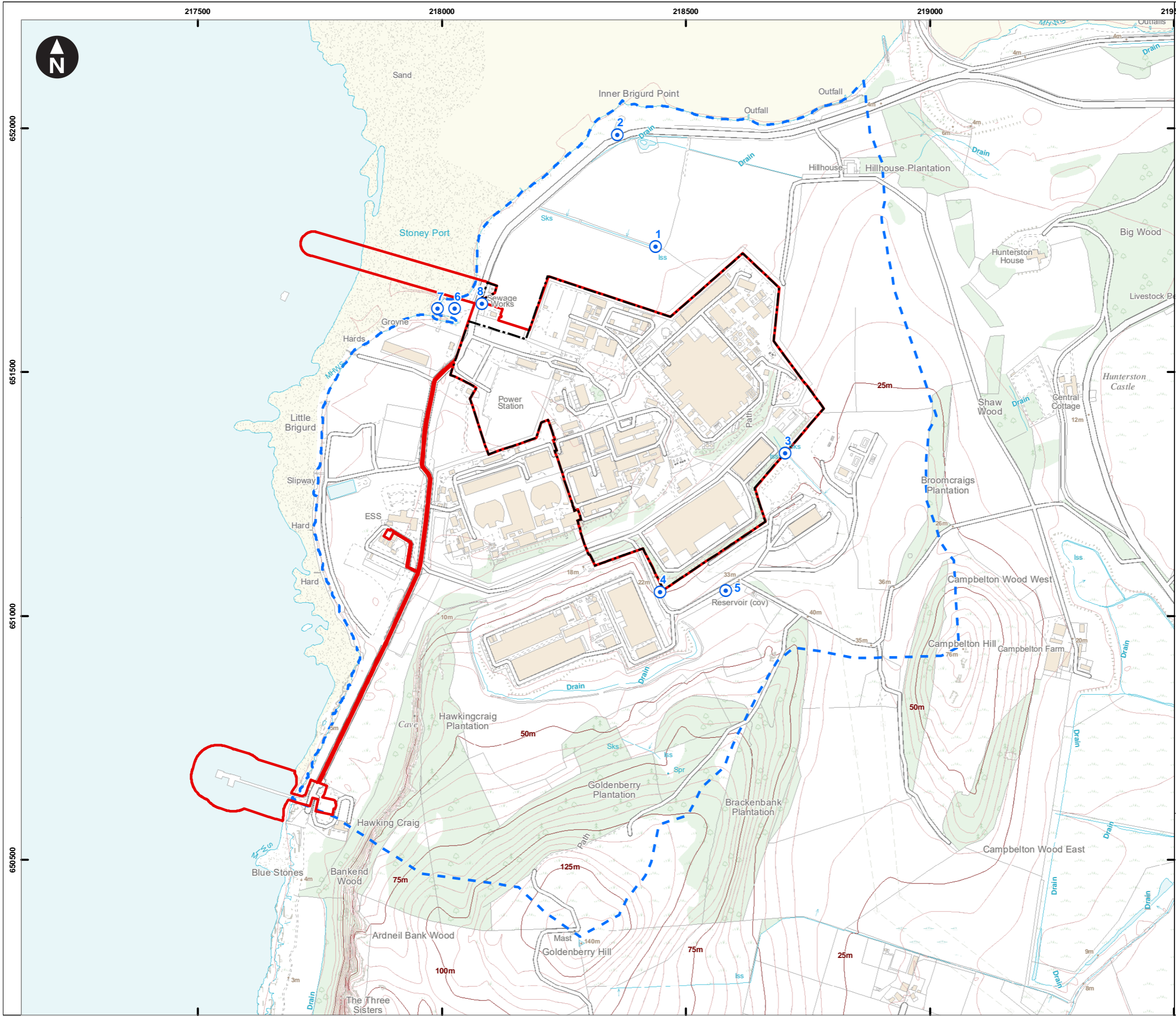
Decommissioning of Hunterston B Nuclear Power Station
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Figure 10.1
Designated sites

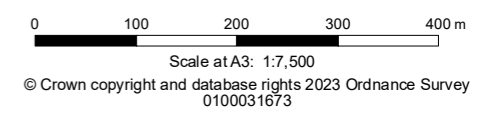


11.

Surface Water and Flood Risk



- Key
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")
 - Surface Water and Flood Risk Study Area
 - Point of Interest (POI)

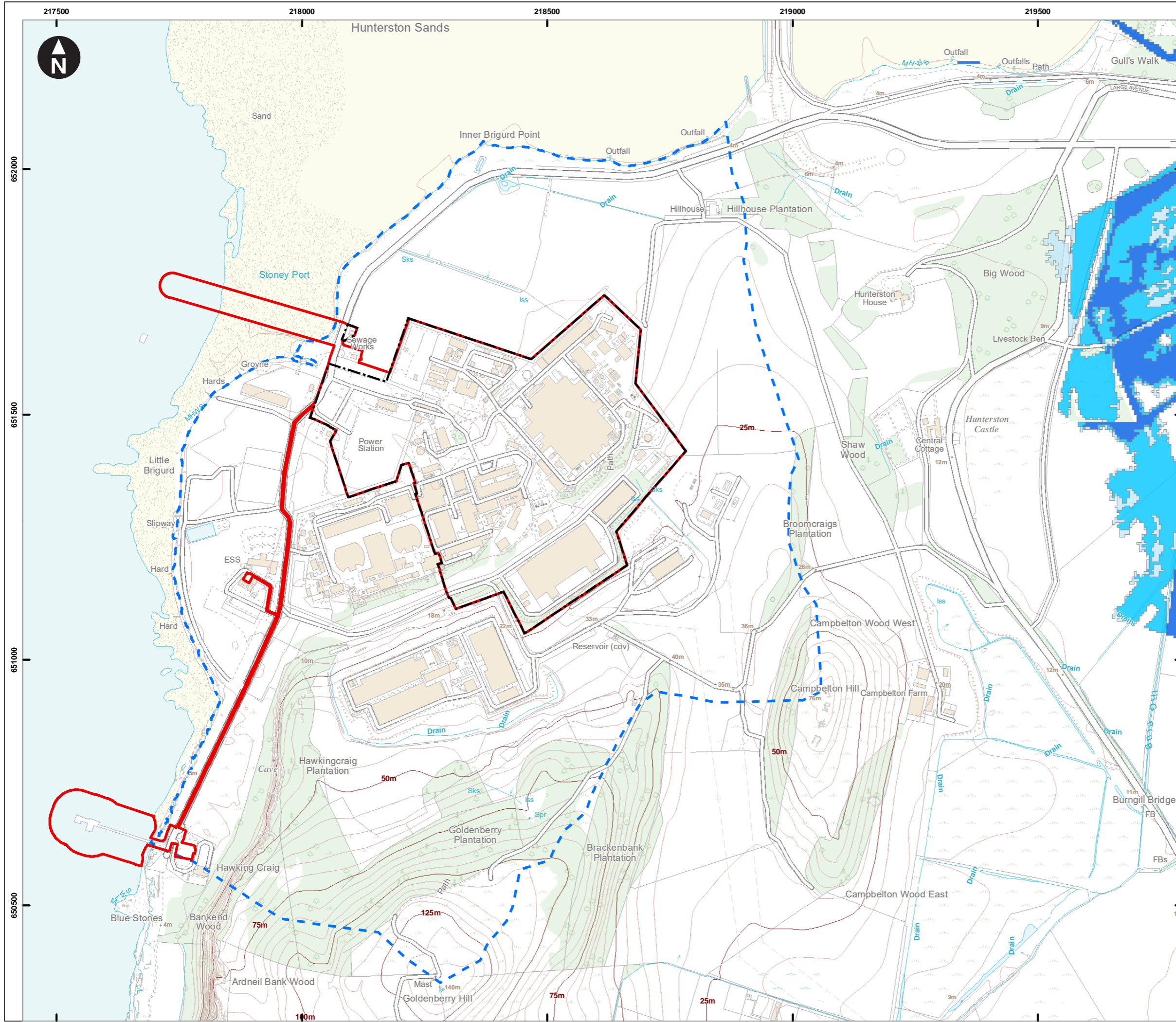


Decommissioning of Hunterston B Nuclear Power Station
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Figure 11.1
Surface water and flood risk study area

November 2023





Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- Surface Water and Flood Risk Study Area

Fluvial Flood Risk

- Each year this area has a 10% chance of flooding
- Each year this area has a 0.5% chance of flooding
- Each year this area has a 0.1% chance of flooding


0 100 200 300 400 m
Scale at A3: 1:7,500

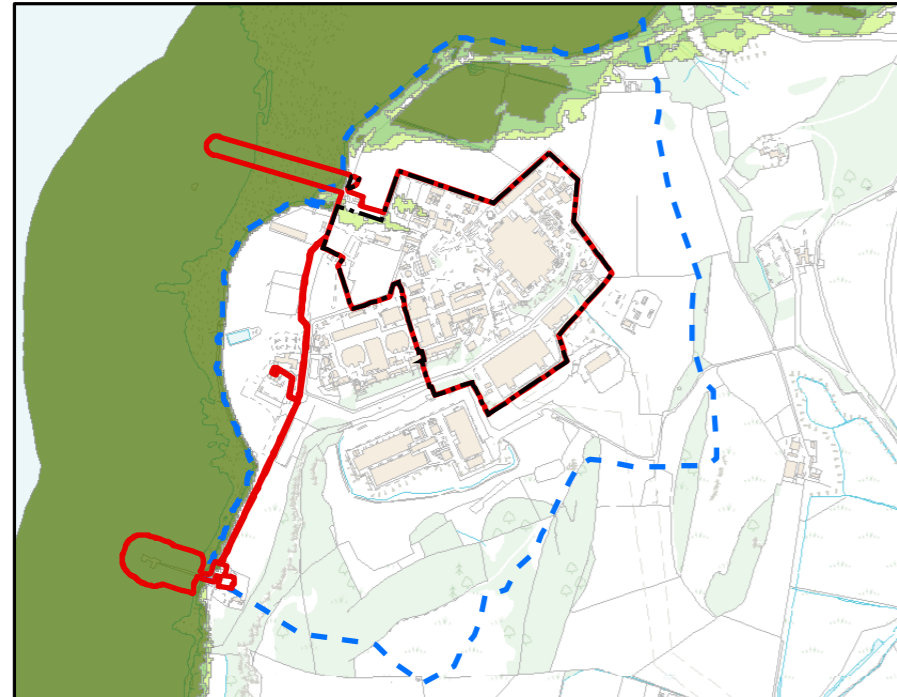
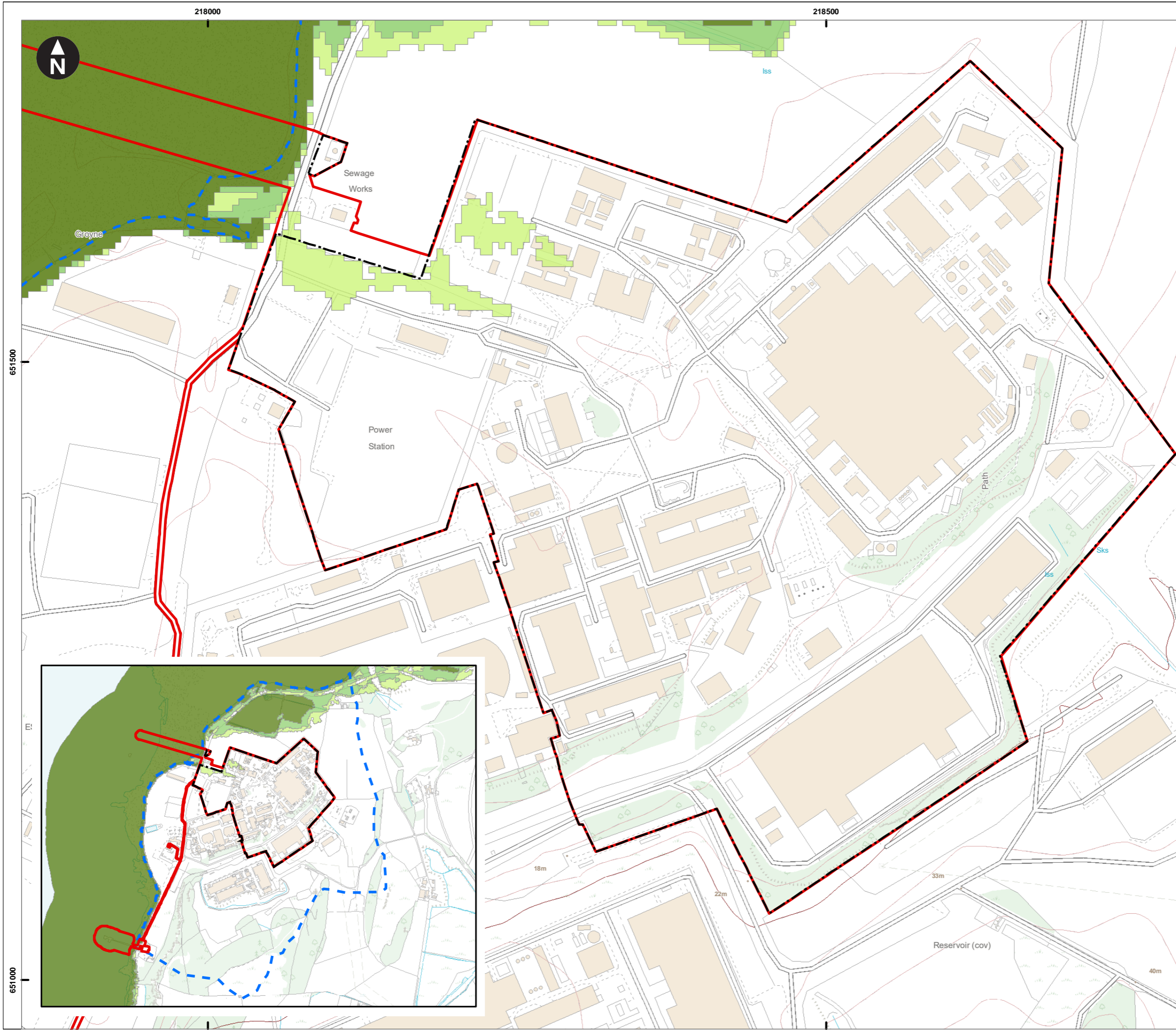
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Figure 11.2
SEPA Fluvial flood risk map

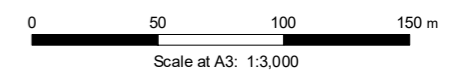
November 2023





- Key
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")
 - Surface Water and Flood Risk Study Area

- Coastal Flood Risk**
- Each year this area has a 10% chance of flooding
 - Each year this area has a 0.5% chance of flooding
 - Each year this area has a 0.1% chance of flooding



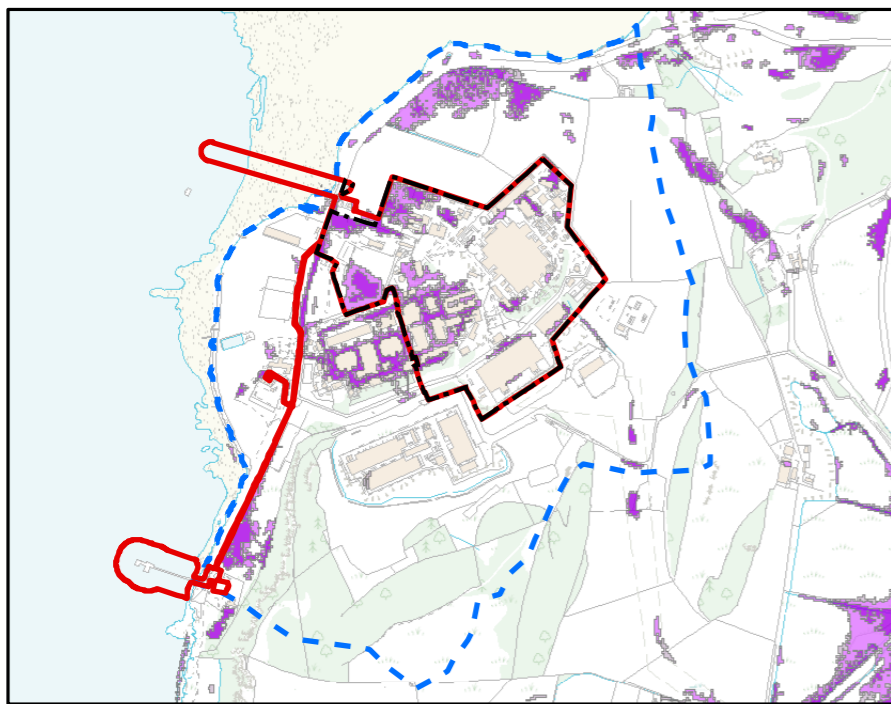
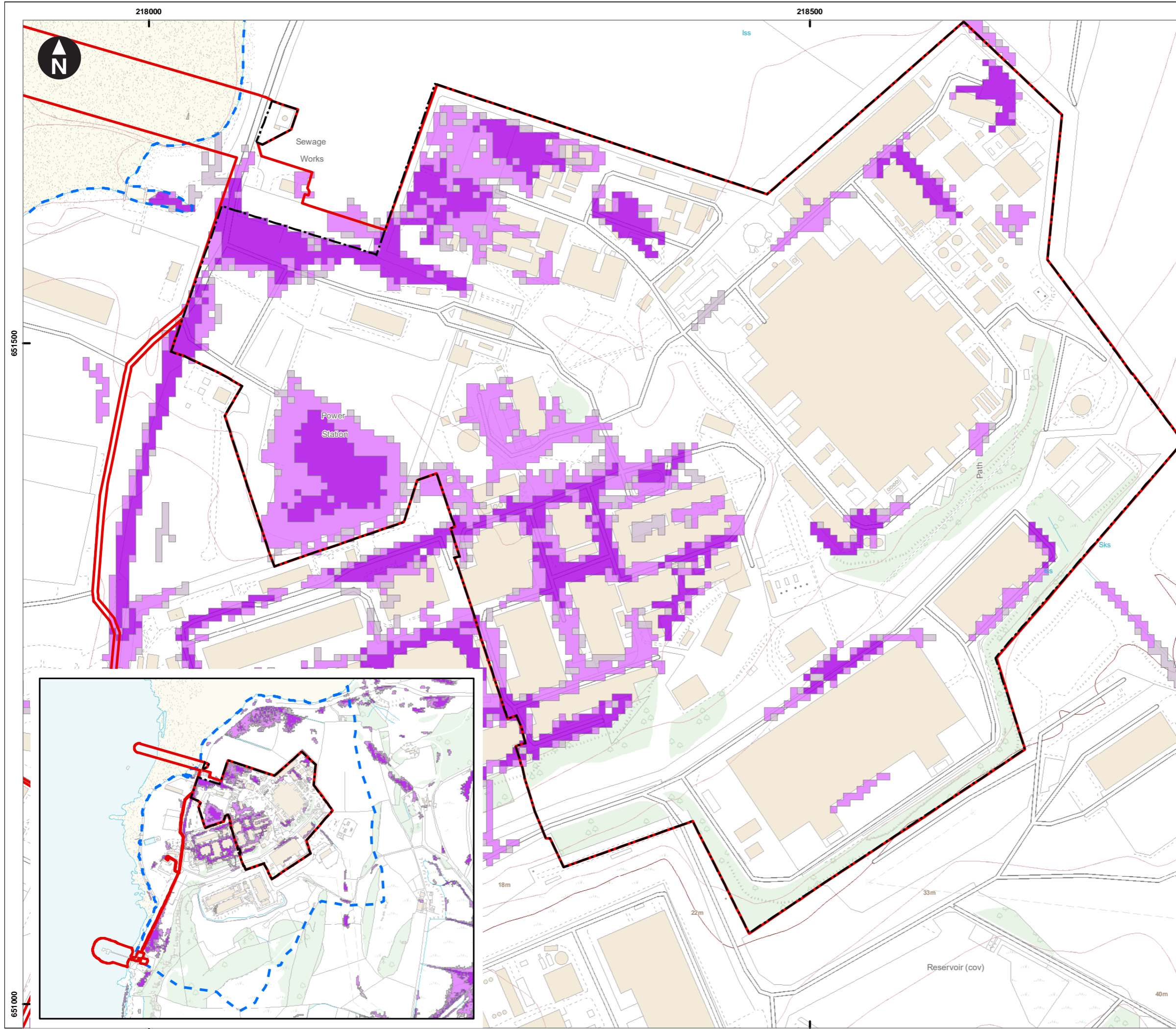
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Decommissioning of Hunterston B Nuclear Power Station
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Figure 11.3
SEPA Coastal flood risk map

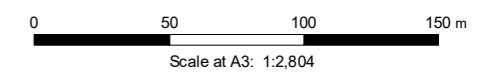
November 2023





- Key**
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")
 - Surface Water and Flood Risk Study Area

- Surface Water Flood Risk**
- Each year this area has a 10% chance of flooding
 - Each year this area has a 0.5% chance of flooding
 - Each year this area has a 0.1% chance of flooding



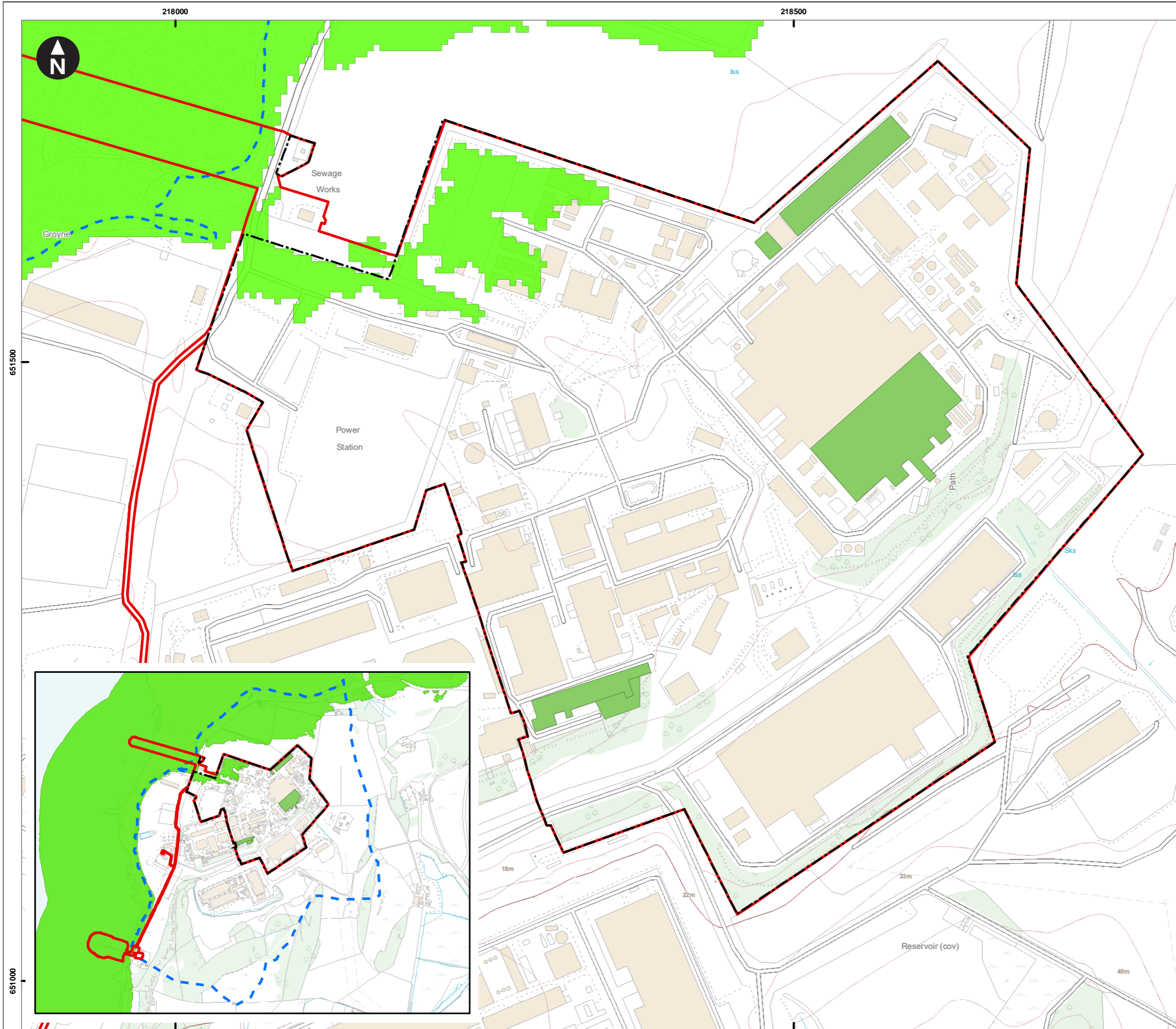
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Figure 11.4
SEPA Surface water flood risk map

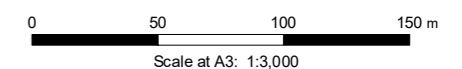
November 2023





- Key
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")
 - Radiation Controlled Area
 - Surface Water and Flood Risk Study Area

Coastal Flood Risk
 By the 2080s, each year this area may have a 0.5% chance of flooding



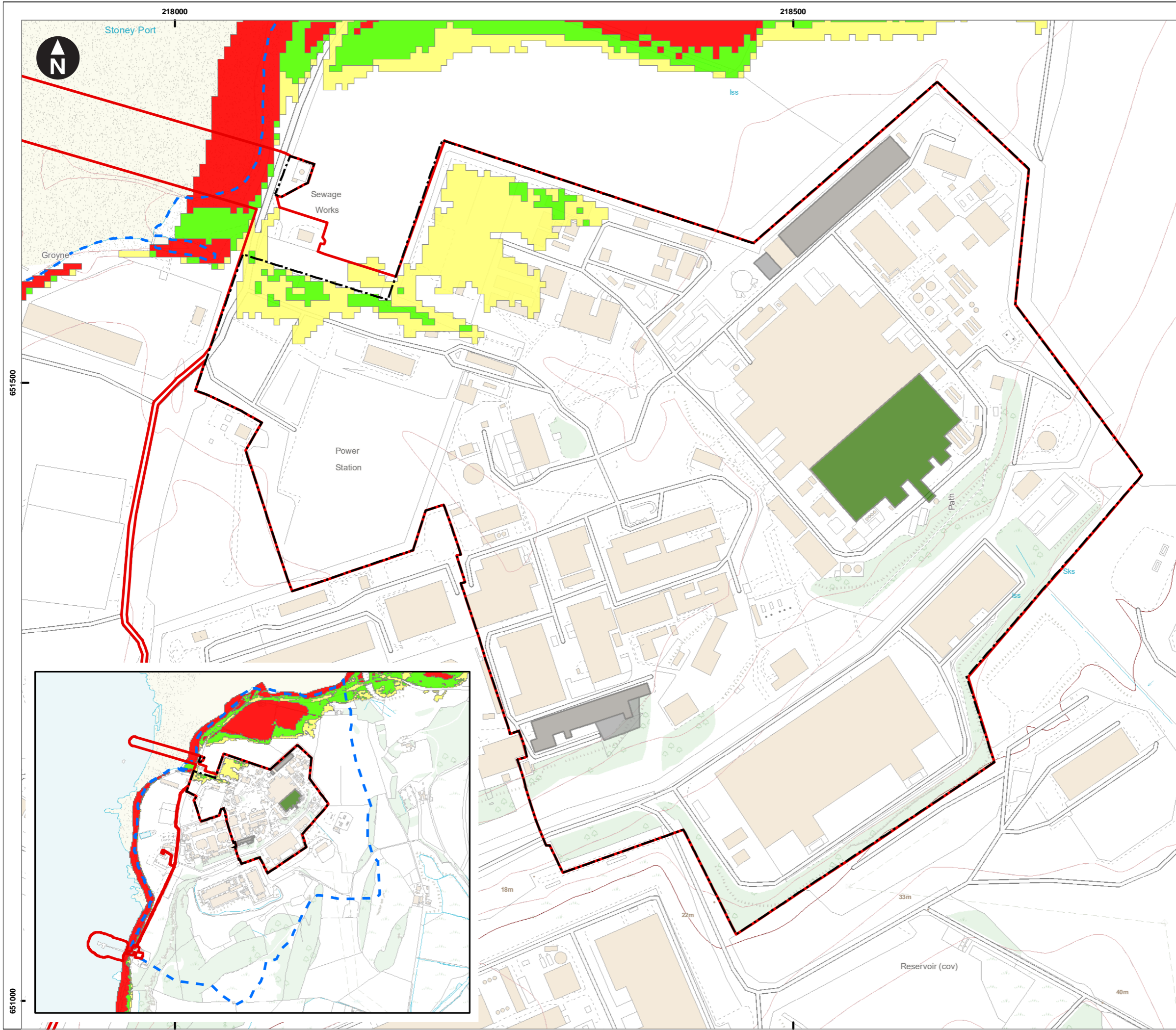
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Figure 11.5
SEPA Future coastal flood risk extents - 0.5% annual exceedance probability plus 2080 climate change prediction

November 2023





Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")

Radiation Controlled Area

- Safestore Area (proposed to be removed by 2117)
- Facility/Workshop Area (proposed to be removed by 2040)
- Surface Water and Flood Risk Study Area

By the 2080s, each year this area may have a 0.5% chance of flooding:

- < 0.3m
- 0.3m - 1.0m
- > 1.0m

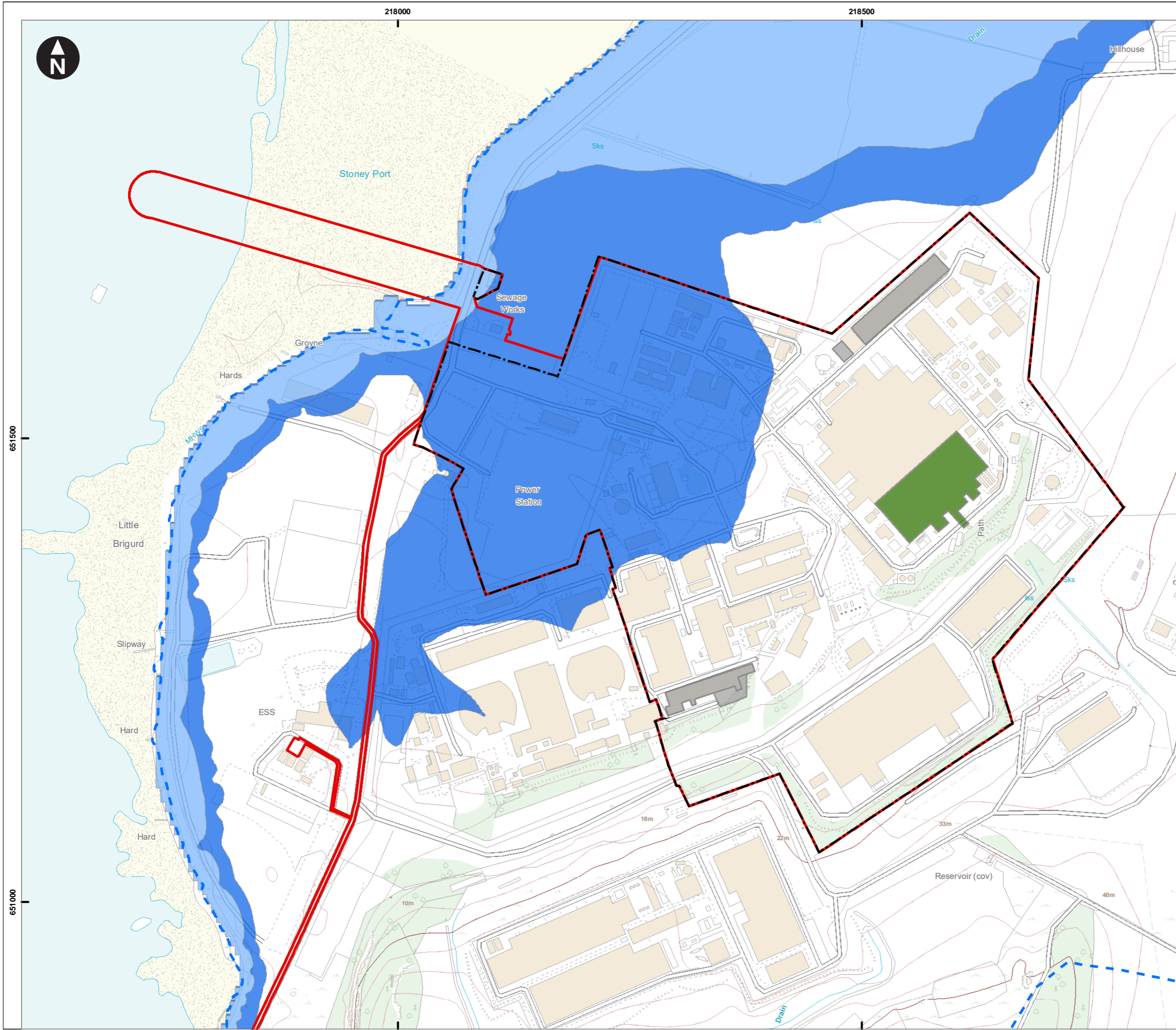
0 50 100 150 m
Scale at A3: 1:3,000

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Figure 11.6
SEPA Future coastal flood risk depths - 0.5% annual exceedance probability plus 2080 climate change prediction

November 2023



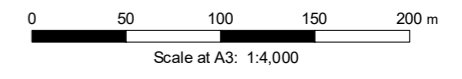
Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")

Radiation Controlled Area

- Safestore Area (proposed to be removed by 2117)
- Facility/Workshop Area (proposed to be removed by 2040)
- Surface Water and Flood Risk Study Area
- Low Estimate 0.01% Annual Exceedance Probability (AEP) (including 2035 Climate Change) – 3.6m AOD
- Best Estimate 0.01% Annual Exceedance Probability (AEP) (including 2035 Climate Change) – 4.82m AOD *

Note:
 * See Chapter 10, Section 10.5 for details on how low and best estimates were derived by the Japanese Earthquake Response (JER) flood studies. As noted there the 0.5% AEP plus 2125 climate change allowance scenario (4.8m AOD) is sufficiently covered by the 'Best' Estimate.



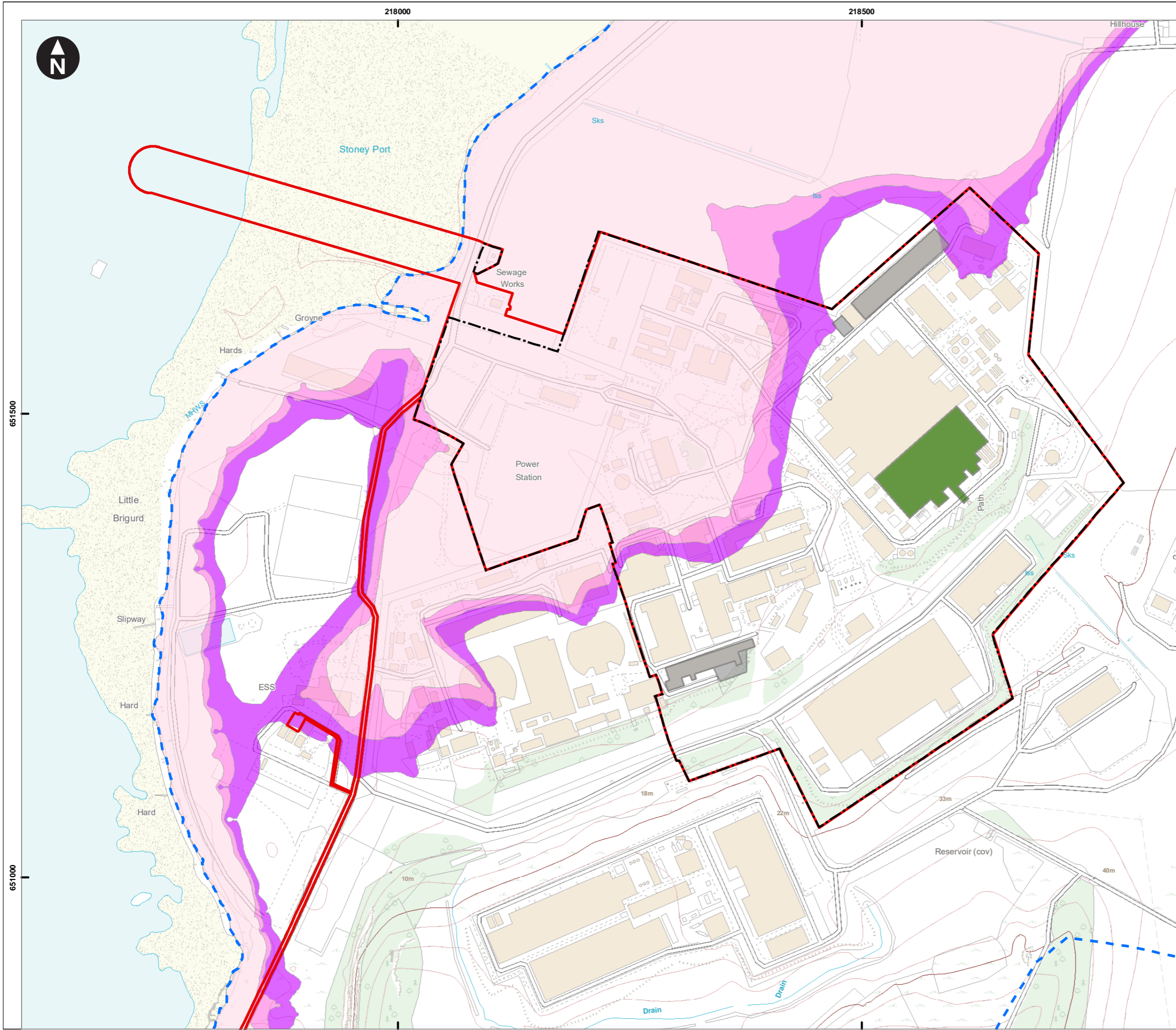
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Decommissioning of Hunterston B Nuclear Power Station
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Figure 11.7
 Extreme coastal flooding extent estimations

November 2023





Key

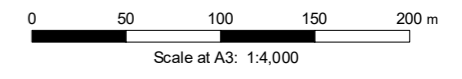
- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")

Radiation Controlled Area

- Safestore Area (proposed to be removed by 2117)
- Facility/Workshop Area (proposed to be removed by 2040)
- Surface Water and Flood Risk Study Area

- 0.5% Annual Exceedance Probability (AEP) Sea Level Estimate (including 2120 Climate Change) – 4.8mAOD*
- 0.1% Annual Exceedance Probability (AEP) Sea Level Estimate (including 2120 Climate Change) – 5.12mAOD
- 0.01% Annual Exceedance Probability (AEP) Sea Level Estimate (including 2120 Climate Change) – 5.59mAOD

Note:
 *The estimates were derived from current guidance. For details on how the estimates were produced see Section 10.5
 It should be noted that these estimates are based solely on still sea level rise estimates and are considered highly conservative. This is because they do not account for the influence of onshore topography or friction losses (which is likely to reduce the visible extents). Hydraulic modelling has not been carried out as part of this process.



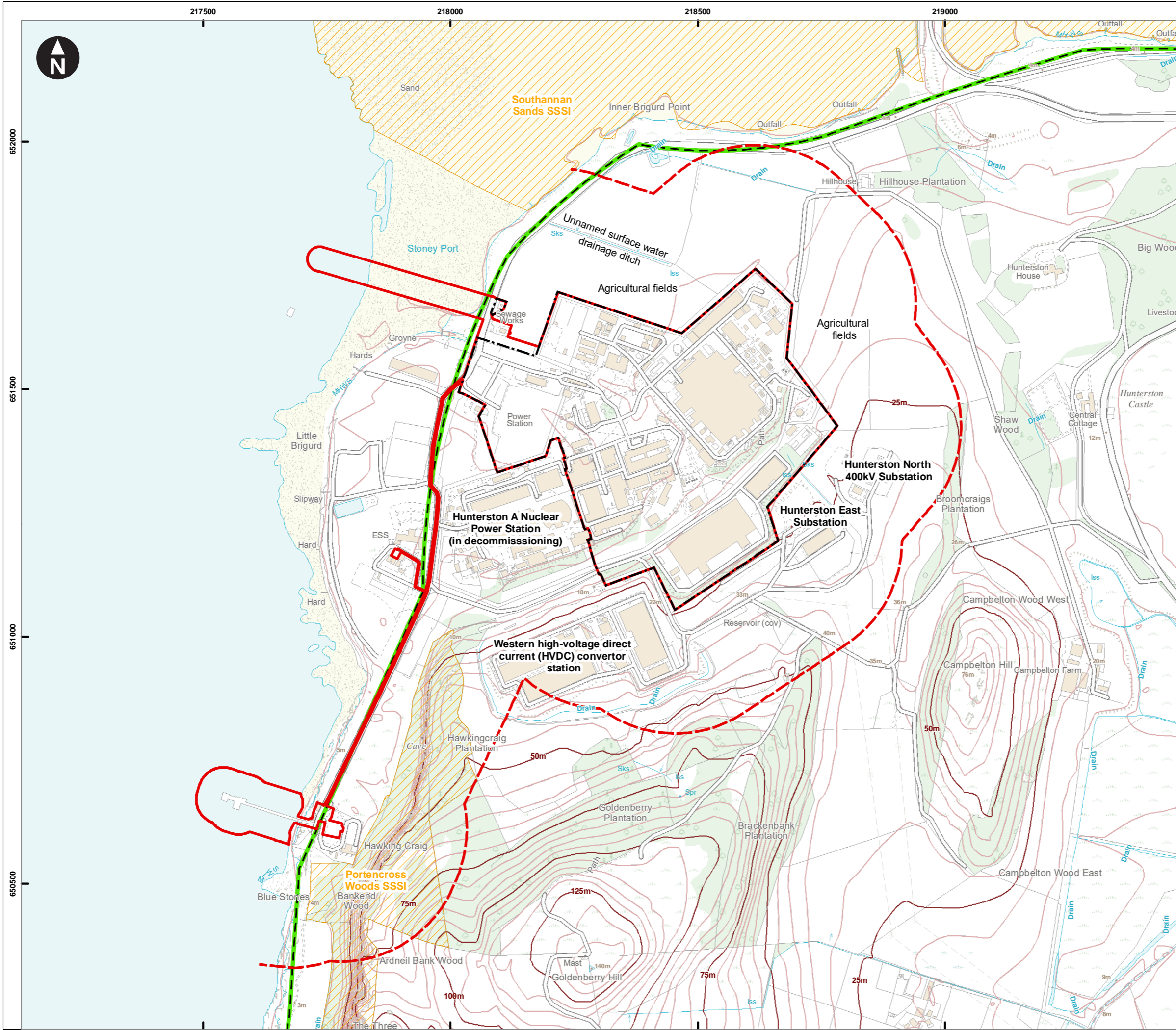
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Decommissioning of Hunterston B Nuclear Power Station
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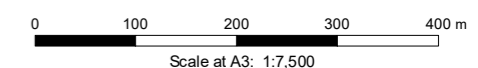
Figure 11.8
 Future sea level estimates

12.

Soils, Geology and Hydrogeology

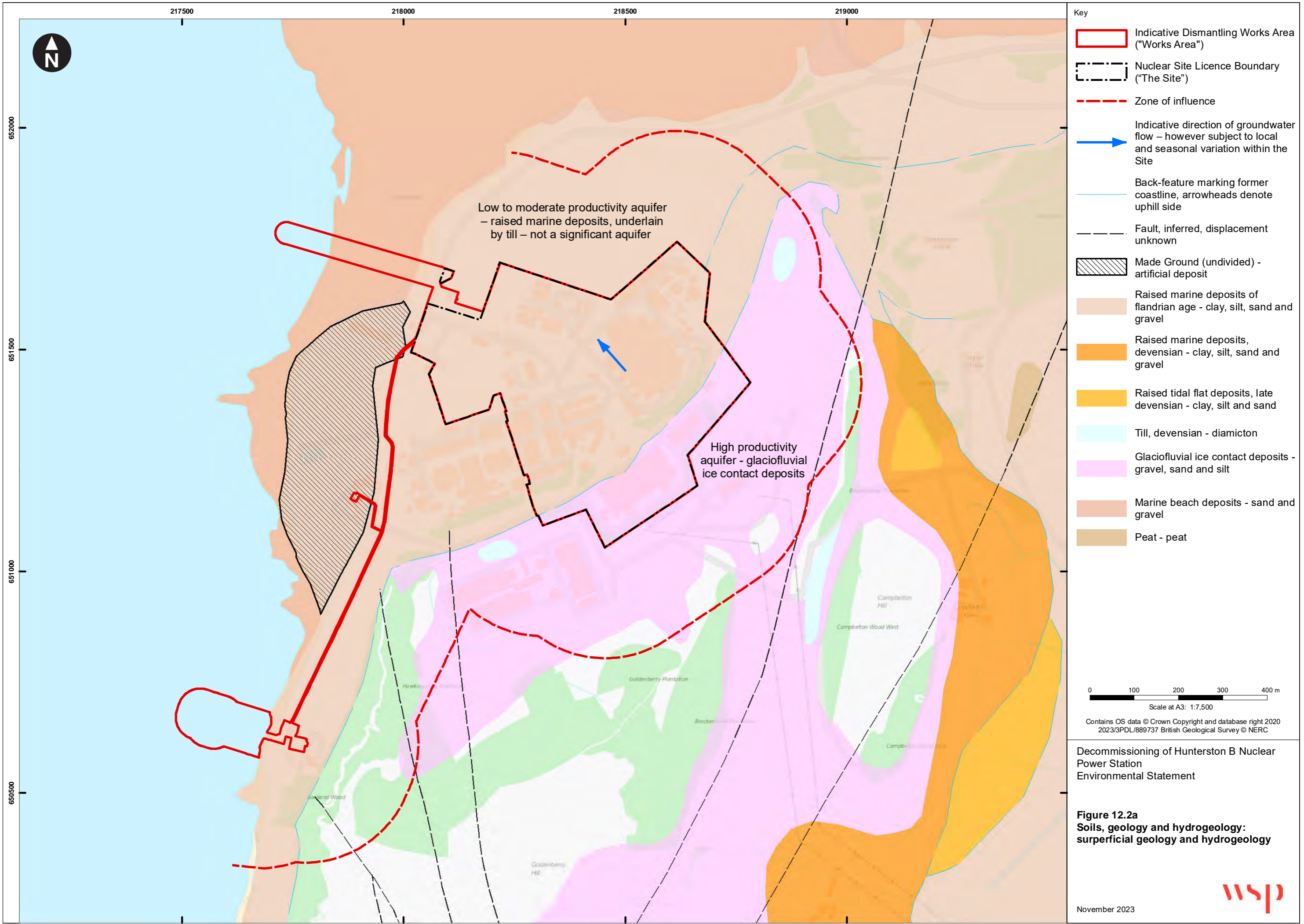


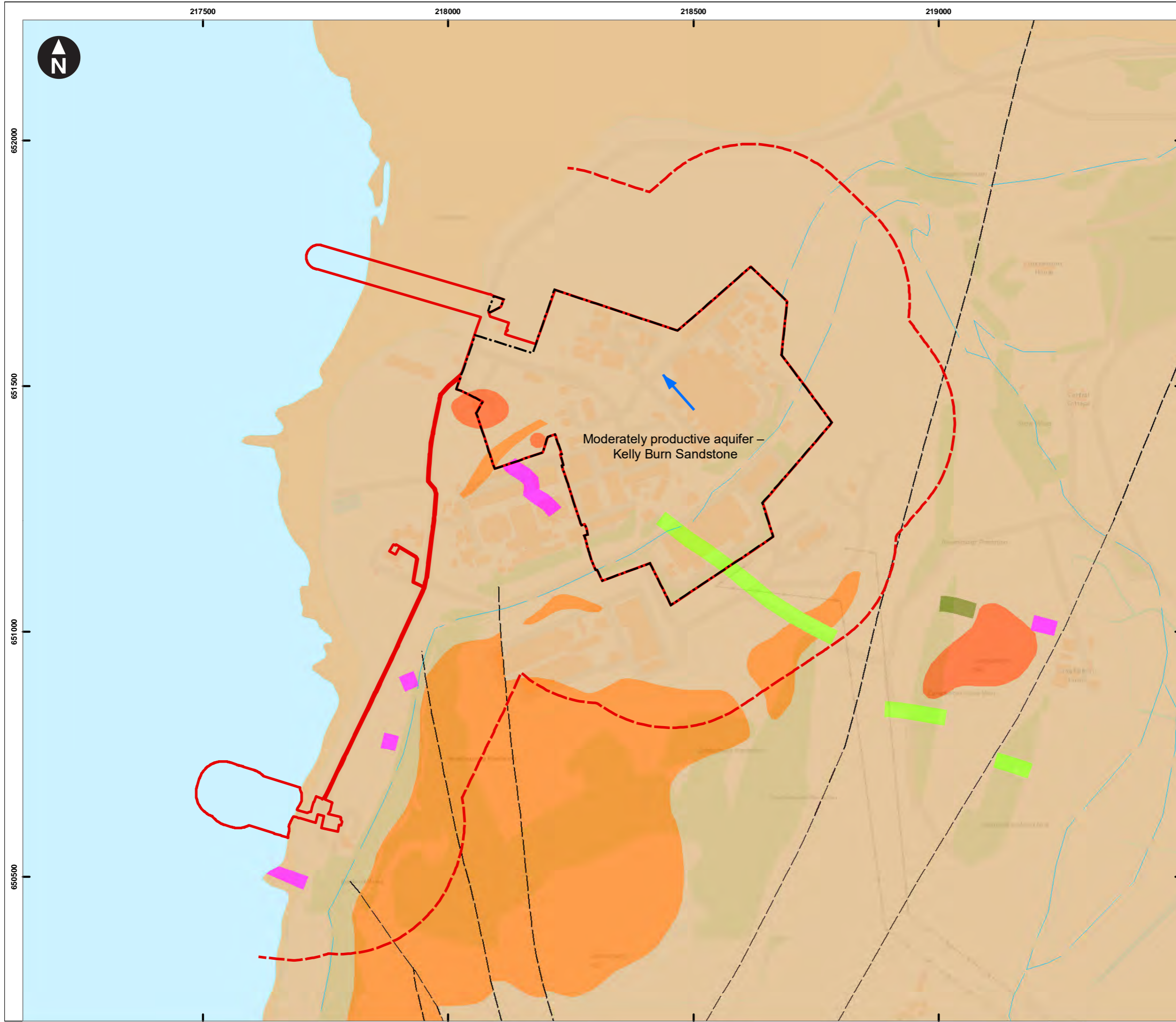
- Key
- Indicative Dismantling Works Area ("Works Area")
 - Nuclear Site Licence Boundary ("The Site")
 - Zone of influence
 - Site of Special Scientific Interest – biological (SSSI)
 - Ayrshire Coastal Path



Decommissioning of Hunterston B Nuclear Power Station
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Figure 12.1
Soils, geology and hydrogeology:
surrounding land uses





Key


- Indicative Dismantling Works Area ("Works Area")
- Nuclear Site Licence Boundary ("The Site")
- Zone of influence
- Indicative direction of groundwater flow – however subject to local and seasonal variation within the Site
- Back-feature marking former coastline, arrowheads denote uphill side
- Fault, inferred, displacement unknown
- Mull dyke-swarm - microgabbro
- Midland valley carboniferous to early permian alkaline basic dyke suite - monchiquite
- Unnamed plugs and vents, carboniferous to permian - pyroclastic-rock
- Goldenberry hill sill - felsite and microdioritic-rock
- Kelly burn sandstone formation - sandstone
- Unnamed igneous intrusion of unknown age - microgabbro

0 100 200 300 400 m
Scale at A3: 1:7,500
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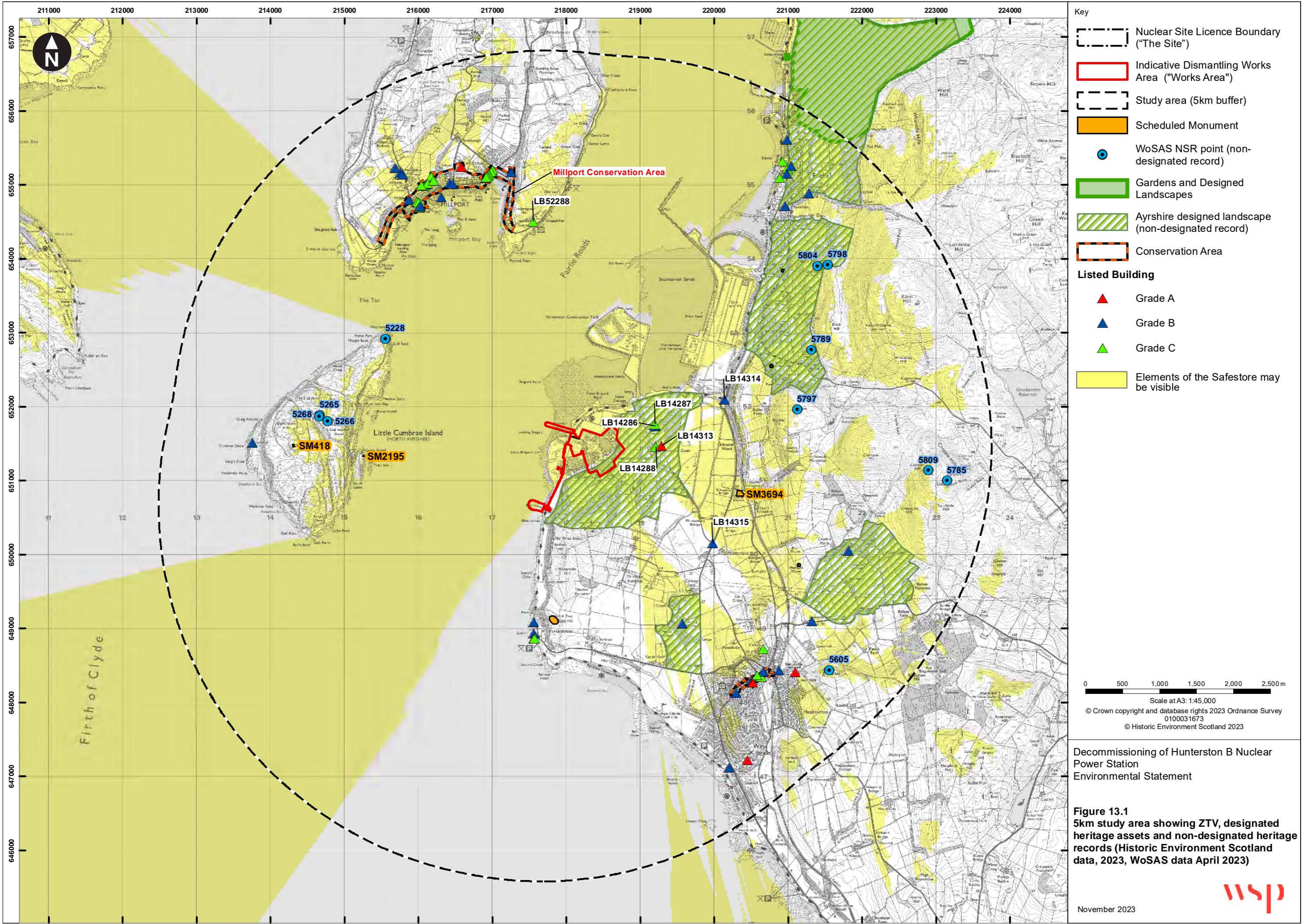
Figure 12.2b
Soils, geology and hydrogeology: bedrock geology and hydrogeology OG003

November 2023



13.

Historic Environment





Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- 500m search area
- WoSAS HER Monument point
- WoSAS HER Event point
- WoSAS HER Event area

Note

WoSAS is an abbreviation of West of Scotland Archaeology Service, the regional archaeological data and consultee service covering multiple local authorities including North Ayrshire.

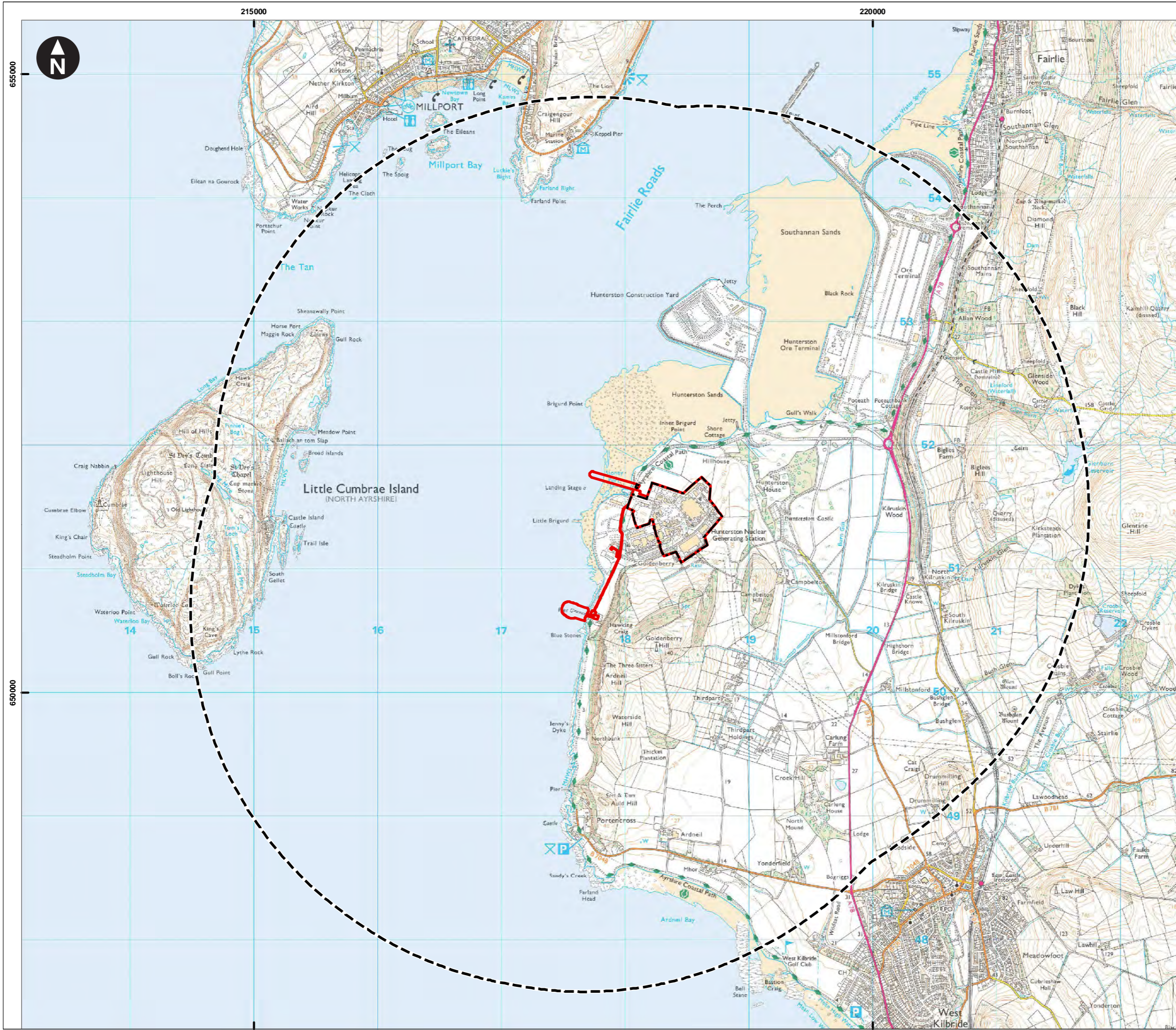
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Scale at A3: 1:8,500
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Decommissioning of Hunterston B Nuclear Power Station
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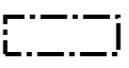

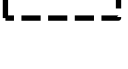
Figure 13.2
Non-designated Heritage Records and previous archaeological investigations (Events) (WoSAS data April 2023)

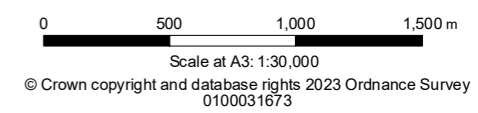
14.

**Landscape and
Visual Impact
Assessment**



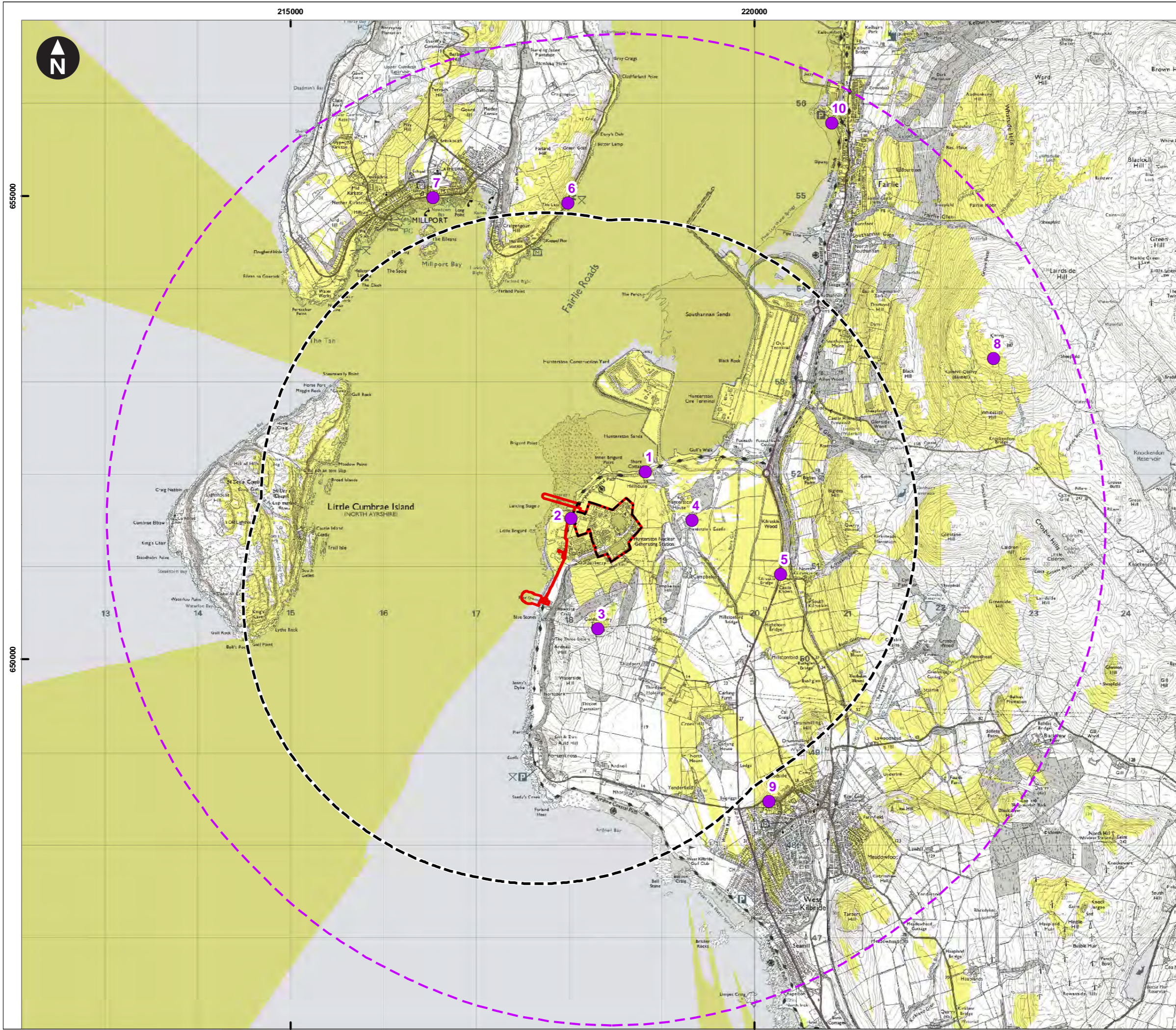
Key

-  Nuclear Site Licence Boundary ("The Site")
-  Indicative Dismantling Works Area ("Works Area")
-  Landscape and Visual study area



Decommissioning of Hunterston B Nuclear Power Station
Environmental Statement

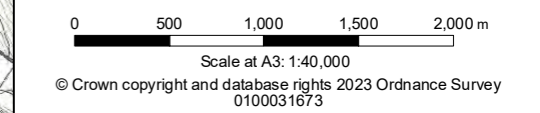
Figure 14.1
Landscape and visual study area



Key

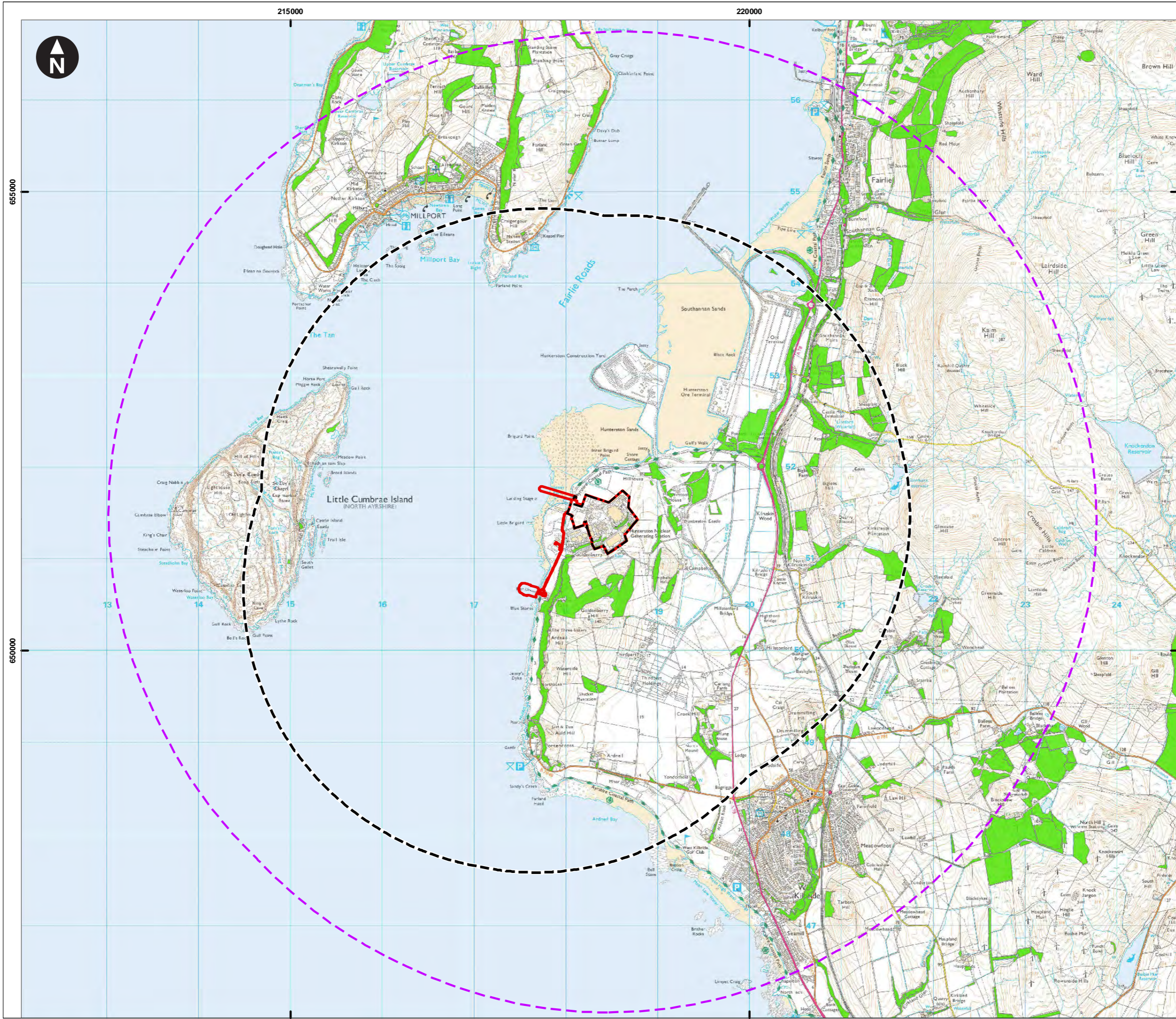
- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- Landscape and Visual study area
- Landscape and Visual Study Area (scoping)
- Viewpoint locations
- VP1 Ayrshire Coastal Path (approach from the east)
- VP2 Ayrshire Coastal Path (approach from the west)
- VP3 Goldenberry Hill
- VP4 Core Path NC 36 near Hunterston Castle
- VP5 A78 near junction with Kilrusken Toll
- VP6 'The Lion', Great Cumbrae
- VP7 Millport, Great Cumbrae
- VP8 Kaim Hill
- VP9 West Kilbride (Portencross Road)
- VP10 Fairlie (Allenton Park Terrace)
- Elements of the Safestore may be visible

Notes:
 The ZTV does not take into account the screening effects of buildings.
 Woodland exclusion zones have been created using OS Vectormap District boundary data and modelled at a generic height of 12m.
 The ZTV has been modelled using OS Terrain 5 height data.

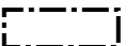

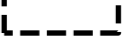




**Decommissioning of Hunterston B Nuclear Power Station
 Environmental Statement**

**Figure 14.2i
 Zone of Theoretical Visibility and
 viewpoint locations**



Key

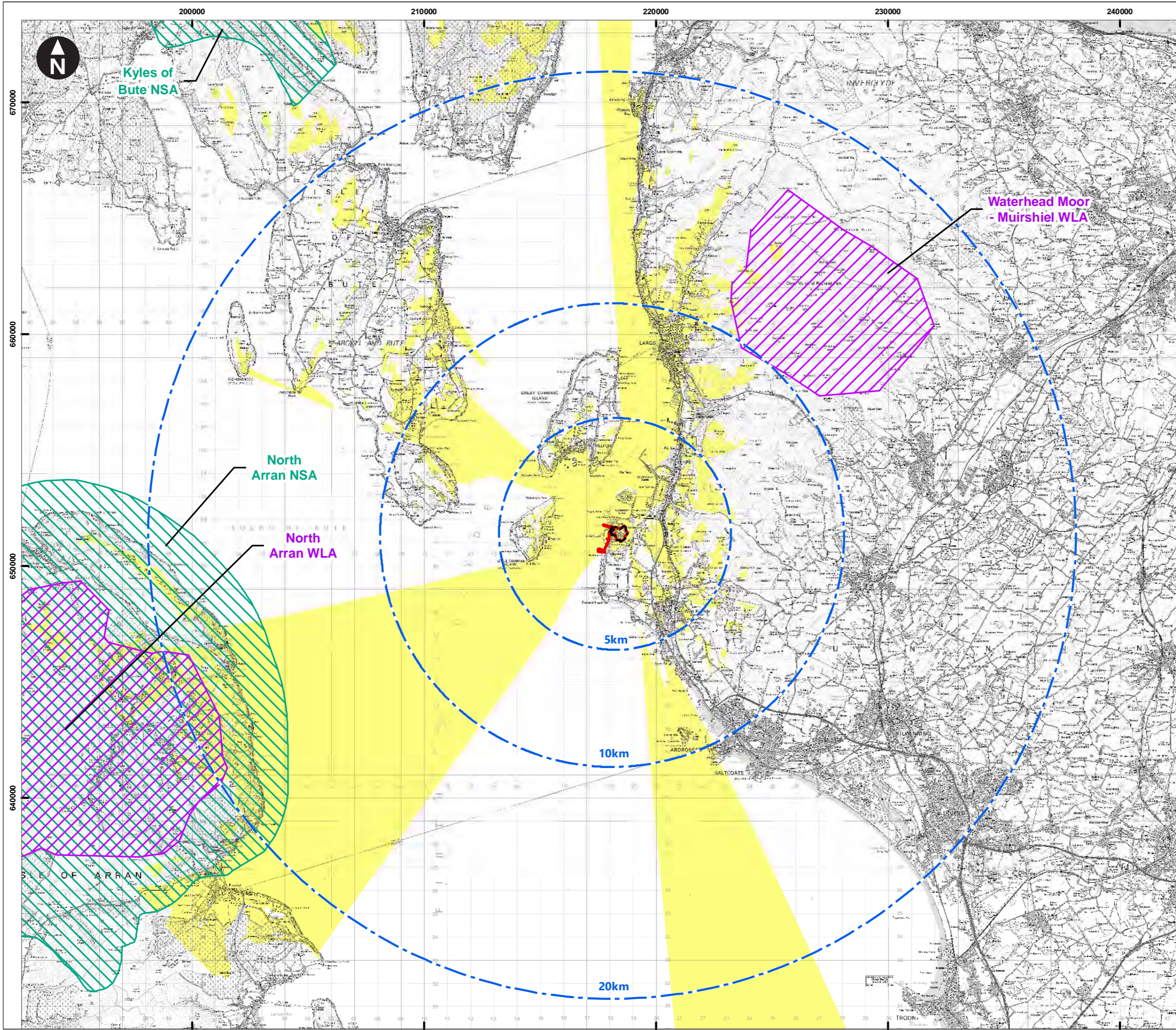
-  Nuclear Site Licence Boundary ("The Site")
-  Indicative Dismantling Works Area ("Works Area")
-  Landscape and Visual study area
-  Landscape and Visual Study Area (scoping)
-  Woodland areas, as depicted on OS Vectormap District and included in the preliminary ZTV calculation

0 500 1,000 1,500 2,000 m
 Scale at A3: 1:40,000
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Decommissioning of Hunterston B Nuclear Power Station
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Figure 14.2ii
 Areas of woodland as depicted on OS Vectormap District

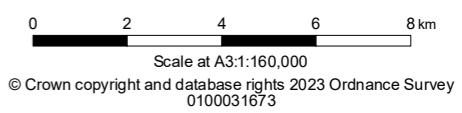




Key

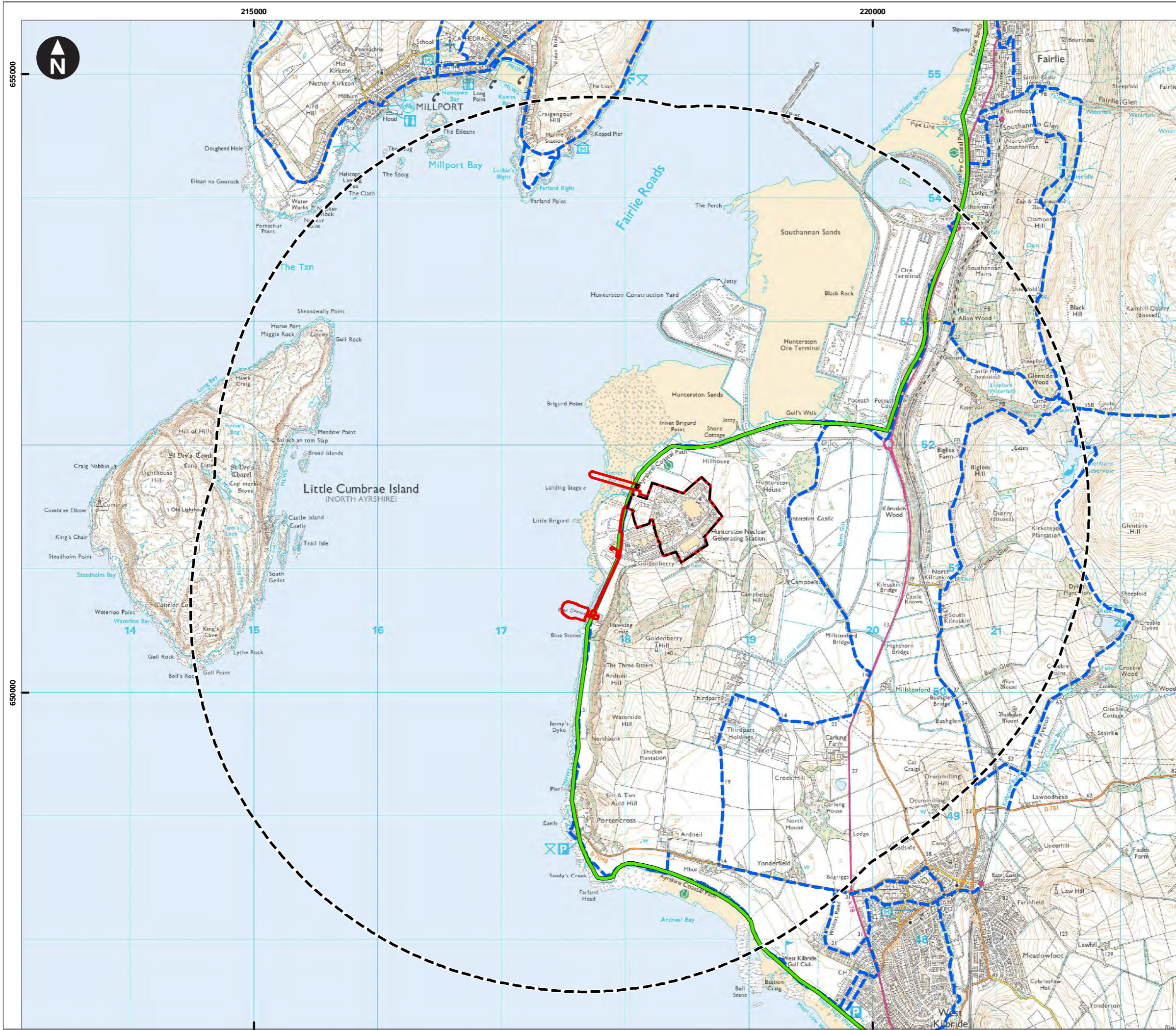
- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- National Scenic Area
- Wild Land Area
- Elements of the Safestore may be visible

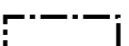




Notes:
 The ZTV does not take in to account the screening effects of buildings.
 Woodland exclusion zones have been created using OS Vectormap District boundary data and modelled at a generic height of 12m within 11km of the Site.
 The ZTV has been modelled using OS Terrain 5 height data and OS Terrain 50 data.

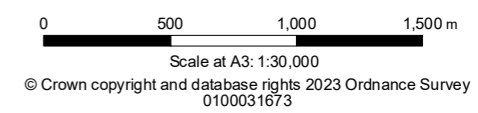


Decommissioning of Hunterston B Nuclear Power Station
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Figure 14.3
 National Landscape Areas and Wild Land Areas

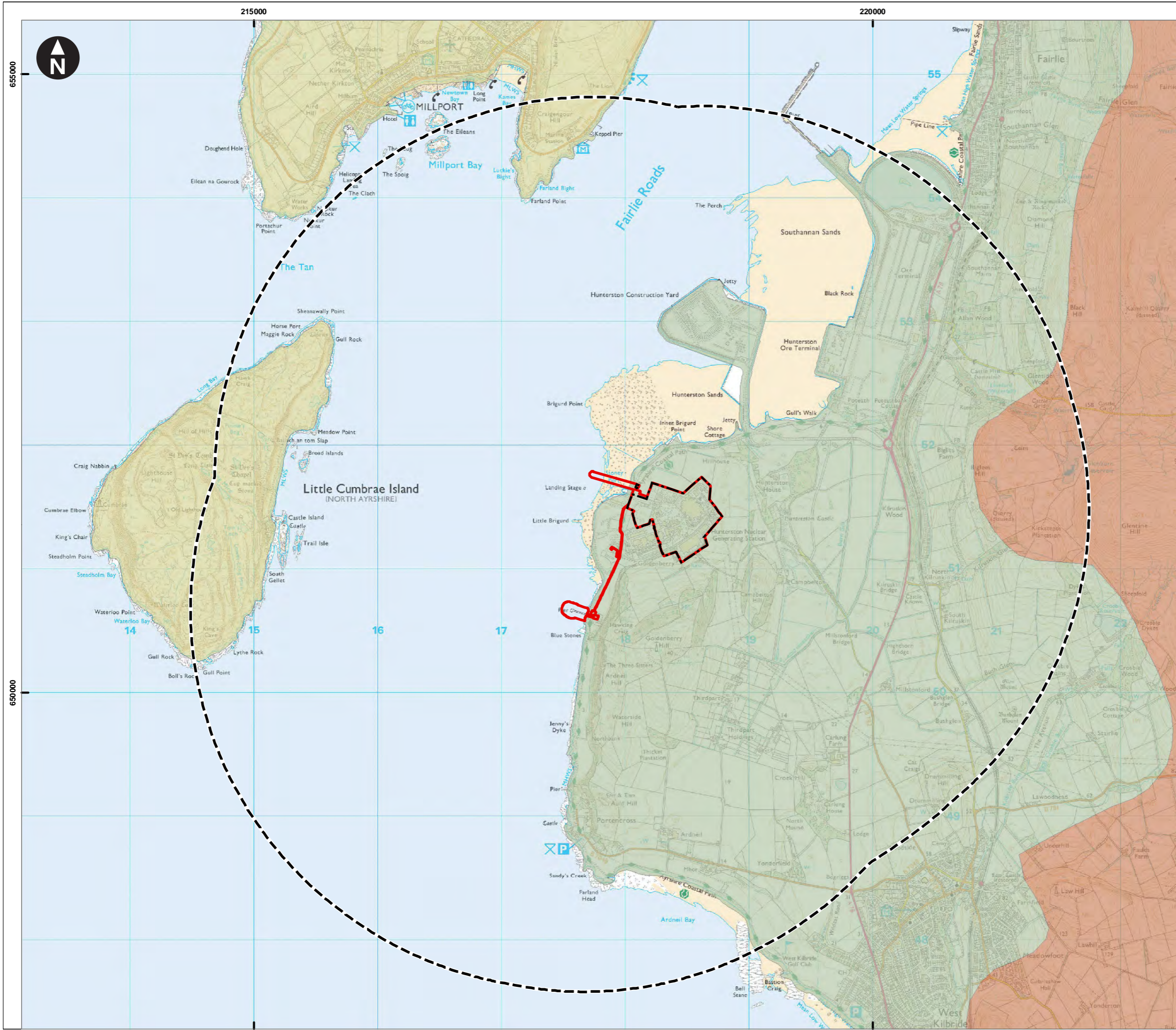


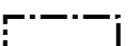





- Key
-  Nuclear Site Licence Boundary ("The Site")
 -  Indicative Dismantling Works Area ("Works Area")
 -  Landscape and Visual study area
 -  North Ayrshire Core Path
 -  Ayrshire Coastal Path

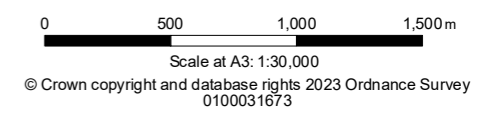


Decommissioning of Hunterston B Nuclear Power Station
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Figure 14.4
Recreational routes and destinations

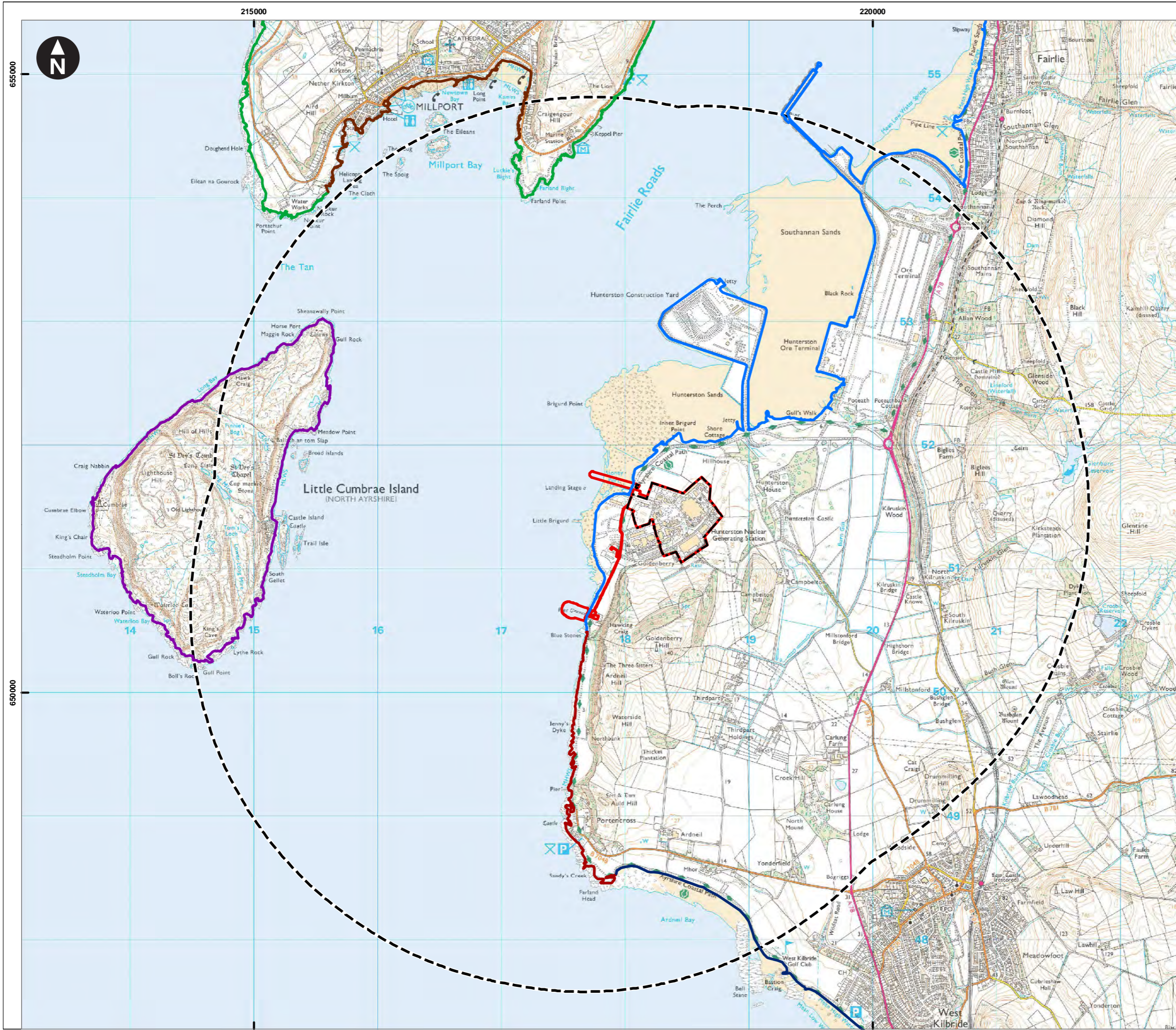


- Key
-  Nuclear Site Licence Boundary ("The Site")
 -  Indicative Dismantling Works Area ("Works Area")
 -  Landscape and Visual study area
 -  LCT 59: Raised Beach Coast and Cliffs
 -  LCT 61: Coastal Fringe with Agriculture
 -  LCT 80: Rugged Moorland Hills and Valleys



Decommissioning of Hunterston B Nuclear Power Station
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Figure 14.5
Landscape character types

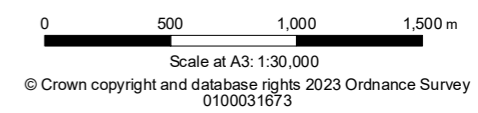


Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- Landscape and Visual study area

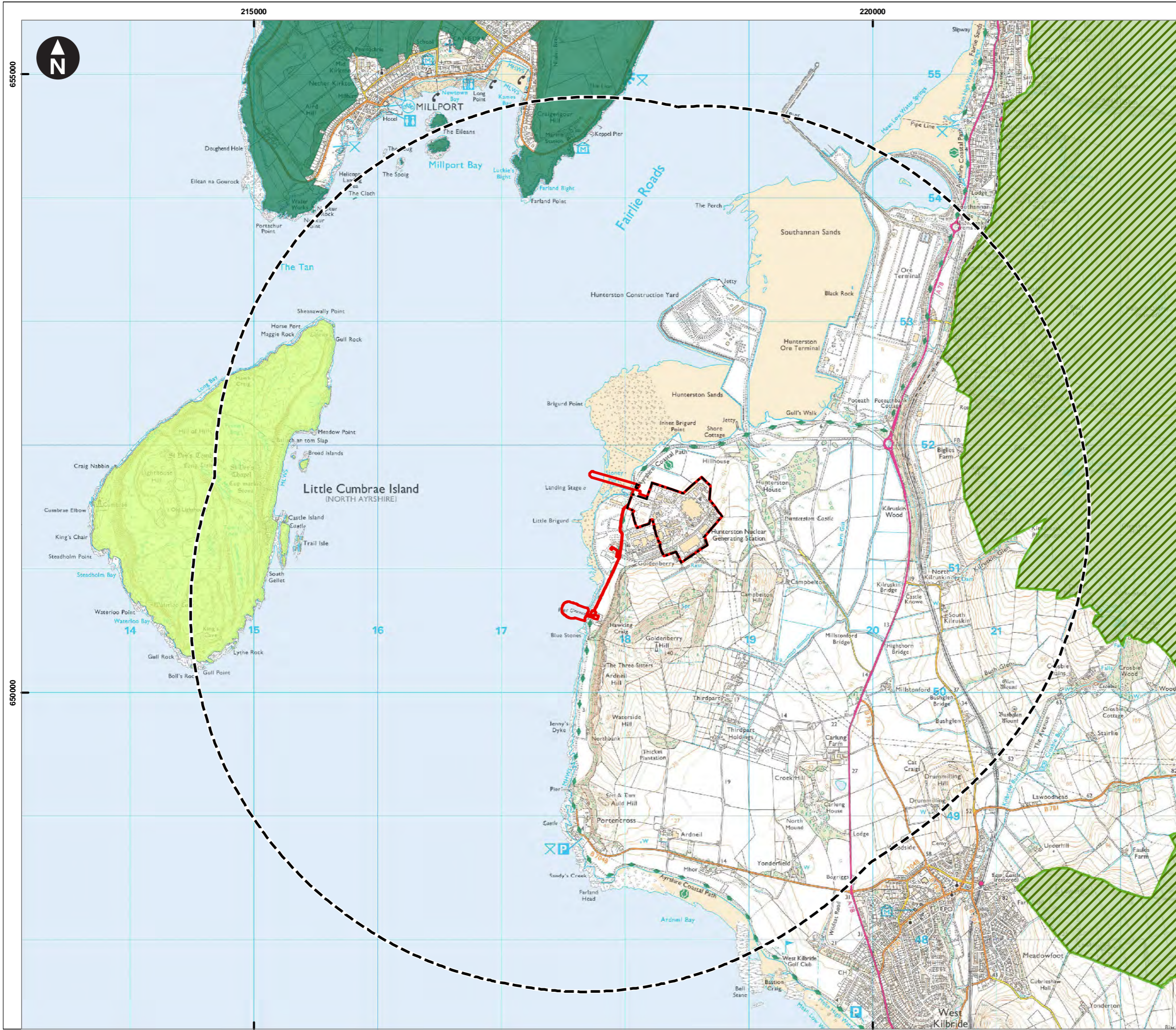
Coastal Character Areas

- Farland Head to Ardrossan
- Goldenberry to Farland Head
- Great Cumbrae Island
- Largs to Goldenberry
- Little Cumbrae Island
- Millport



Decommissioning of Hunterston B Nuclear Power Station
Environmental Statement

Figure 14.6
Coastal character areas



- Key
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")
 - Landscape and Visual study area
 - Clyde Muirshiel Regional Park
 - Great Cumbrae Special Landscape Area
 - Little Cumbrae Special Landscape Area
 - Mainland Special Landscape Area

0 500 1,000 1,500m
 Scale at A3: 1:30,000
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Decommissioning of Hunterston B Nuclear Power Station
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Figure 14.7
Landscape Designations

November 2023





Hunterston B nuclear power station

Hunterston A nuclear power station

R:\Projects\807164\HNB & HPA Site Surveys and Engagement\Deliver Stage\0 Design_Technical Drawings\Index\H-Hunterston Originator: James Hunter

Photograph Parameters Viewpoint 1:

Location grid reference:	NS 18825, 52021	Camera:	Canon EOS 5D Mk II, FFS
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL
Correct printed image size:	820mm x 250mm	Date and time:	04/03/2022 13:20

96% Enlargement

This image is an annotated Type 1 photograph produced in accordance with Landscape Institute Technical Guidance Note 06/19.

Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement

Figure 14.8
Baseline view from Viewpoint 1: Ayrshire Coastal Path (approach from the east)

November 2023



Hunterston Point B nuclear power station

Hunterston A nuclear power station



Photograph Parameters Viewpoint 2:

Location grid reference:	NS 18108, 51747	Camera:	Canon EOS 5D Mk II, FFS
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL
Correct printed image size:	820mm x 250mm	Date and time:	04/03/2022 14:00

96% Enlargement

Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement

Figure 14.9
Baseline view from Viewpoint 2: Ayrshire Coastal Path (approach from the west)

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Hunterston A nuclear power station

Hunterston B nuclear power station

Photograph Parameters Viewpoint 3:				96% Enlargement	Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement	Figure 14.10 Baseline view from Viewpoint 3: Goldenberry Hill	
Location grid reference:	NS 18310, 50329	Camera:	Canon EOS 5D Mk II, FFS				
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm				
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL				
Correct printed image size:	820mm x 250mm	Date and time:	04/03/2022 13:20				

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Hunterston B nuclear power station

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Photograph Parameters Viewpoint 4:

Location grid reference:	NS 19327, 51497	Camera:	Canon EOS 5D Mk II, FFS
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL
Correct printed image size:	820mm x 250mm	Date and time:	04/03/2022 13:20

96% Enlargement

Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement

Figure 14.11
Baseline view from Viewpoint 4:
Core Path NC 36 near Hunterston Castle

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November 2023





Hunterston A nuclear
power station

Hunterston B nuclear
power station

Photograph Parameters Viewpoint 5:			96% Enlargement	Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement	Figure 14.12 Baseline view from Viewpoint 5: A78 near junction with Killrusken Toll	November 2023
Location grid reference:	NS 20280, 50918	Camera:	Canon EOS 5D Mk II, FFS	<p>This image is an annotated Type 1 photograph produced in accordance with Landscape Institute Technical Guidance Note 06/19.</p>		
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm			
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL			
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Hunterston B nuclear power station

Hunterston A nuclear power station

Photograph Parameters Viewpoint 6:

Location grid reference:	NS 17932, 54831	Camera:	Canon EOS 5D Mk II, FFS
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL
Correct printed image size:	620mm x 250mm	Date and time:	04/03/2022 15:40

96% Enlargement

Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement

Figure 14.13
Baseline view from Viewpoint 6: 'The Lion', Great Cumbrae

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Hunterston B nuclear power station

Hunterston A nuclear power station

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Photograph Parameters Viewpoint 7:			96% Enlargement	Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement	Figure 14.14 Baseline view from Viewpoint 7: Millport, Great Cumbrae	
Location grid reference:	NS 17932, 54831	Camera:	Canon EOS 5D Mk II, FFS	This image is an annotated Type 1 photograph produced in accordance with Landscape Institute Technical Guidance Note 06/19.		November 2023
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm			
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL			
Correct printed image size:	820mm x 250mm	Date and time:	04/03/2022 15:20			





Photograph Parameters Viewpoint 8:

Location grid reference:	NS 22578, 53241	Camera:	Canon EOS 5D Mk II, FFS
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL
Correct printed image size:	820mm x 250mm	Date and time:	25/02/2022 10:35

96% Enlargement

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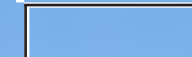
Figure 14.15
Baseline view from Viewpoint 8: Kaim Hill

November 2023



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Hunterston B nuclear
power station



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Photograph Parameters Viewpoint 9:

Location grid reference:	NS 20158, 48470	Camera:	Canon EOS 5D Mk II, FFS
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL
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96% Enlargement

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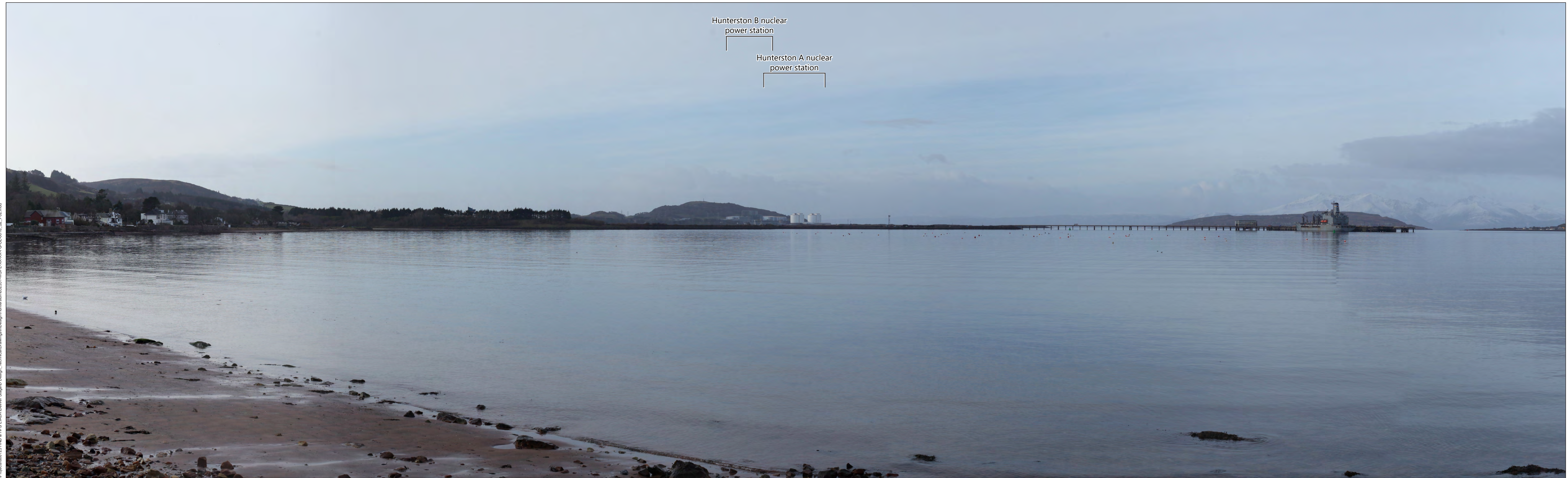
Decommissioning of Hunterston B Nuclear Power Station: Environmental Statement

Figure 14.16
Baseline view from Viewpoint 9:
West Kilbride (Portencross Road)

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Hunterston B nuclear
power station

Hunterston A nuclear
power station

Photograph Parameters Viewpoint 10:

Location grid reference:	NS 20835, 55780	Camera:	Canon EOS 5D Mk II, FFS
Horizontal field of view:	90° (cylindrical projection)	Lens:	50mm
Paper size:	841mm x 297mm (A1)	Camera height:	1.5m AGL
Correct printed image size:	820mm x 250mm	Date and time:	25/02/2022 9:15

96% Enlargement

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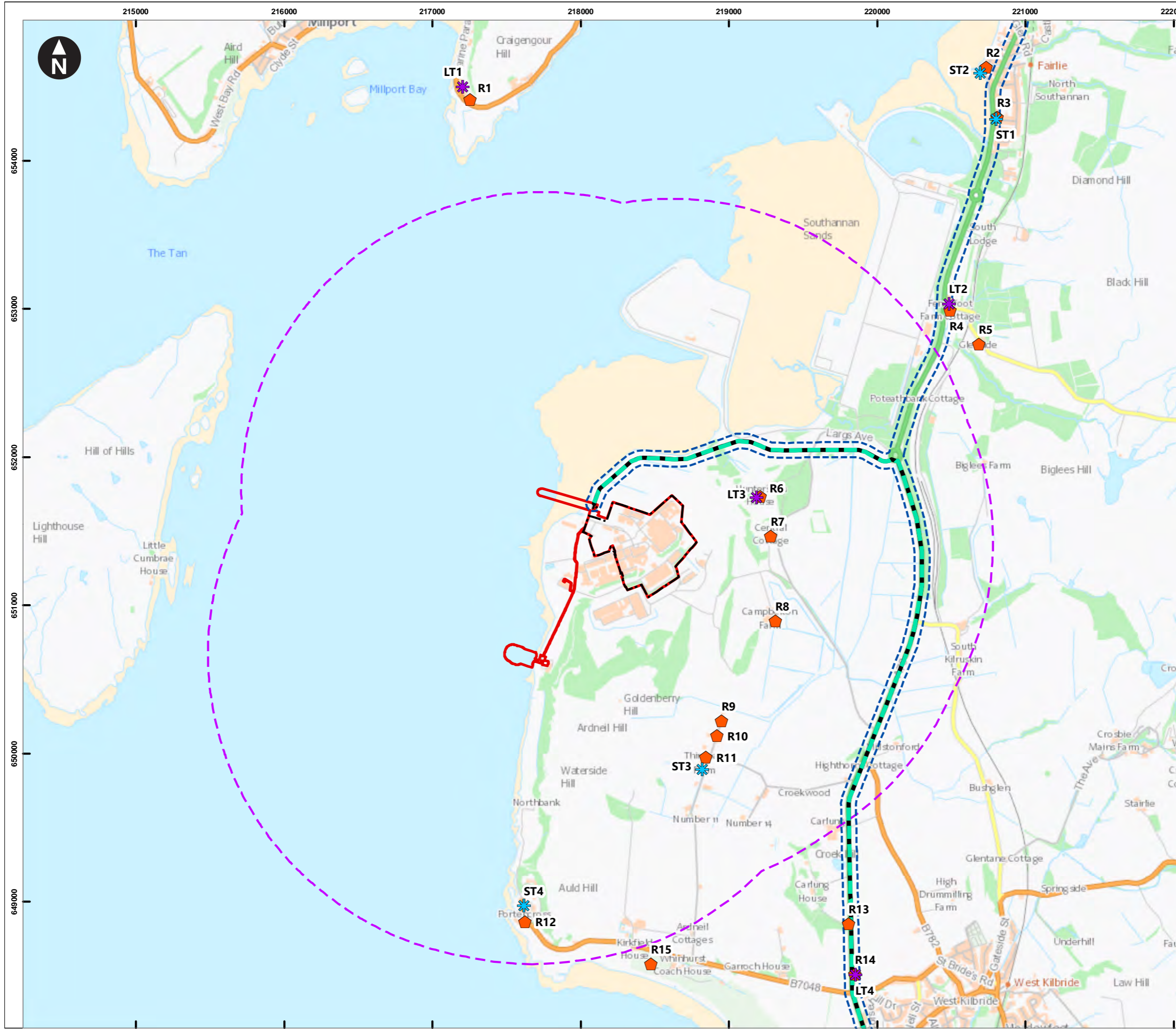
Figure 14.17
Baseline view from Viewpoint 10:
Fairlie (Allenton Park Terrace)

November 2023

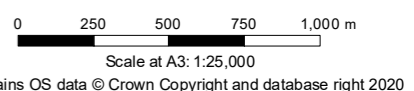


15.

Noise and Vibration



- Key
- Nuclear Site Licence Boundary ("The Site")
 - Indicative Dismantling Works Area ("Works Area")
 - Short term monitoring location
 - Long term monitoring location
 - Receptor
 - Noise study area
 - Road noise study area (plus 50 m from routes indicated in Figure 16.2)
 - Route 4
 - Route 5

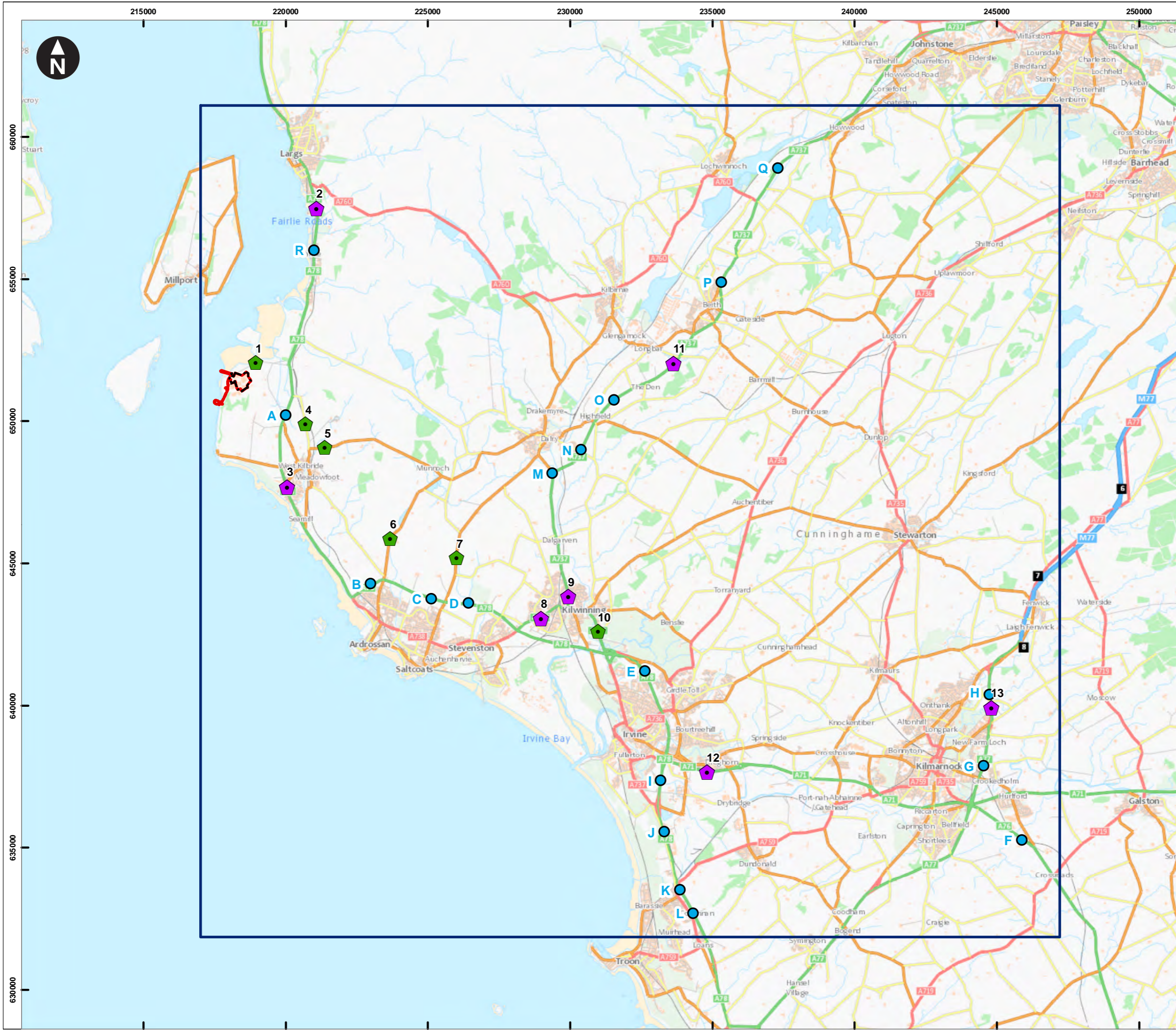


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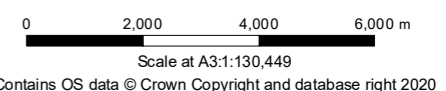
Figure 15.1
Baseline survey locations and noise sensitive receptors

16.

Traffic and Transport



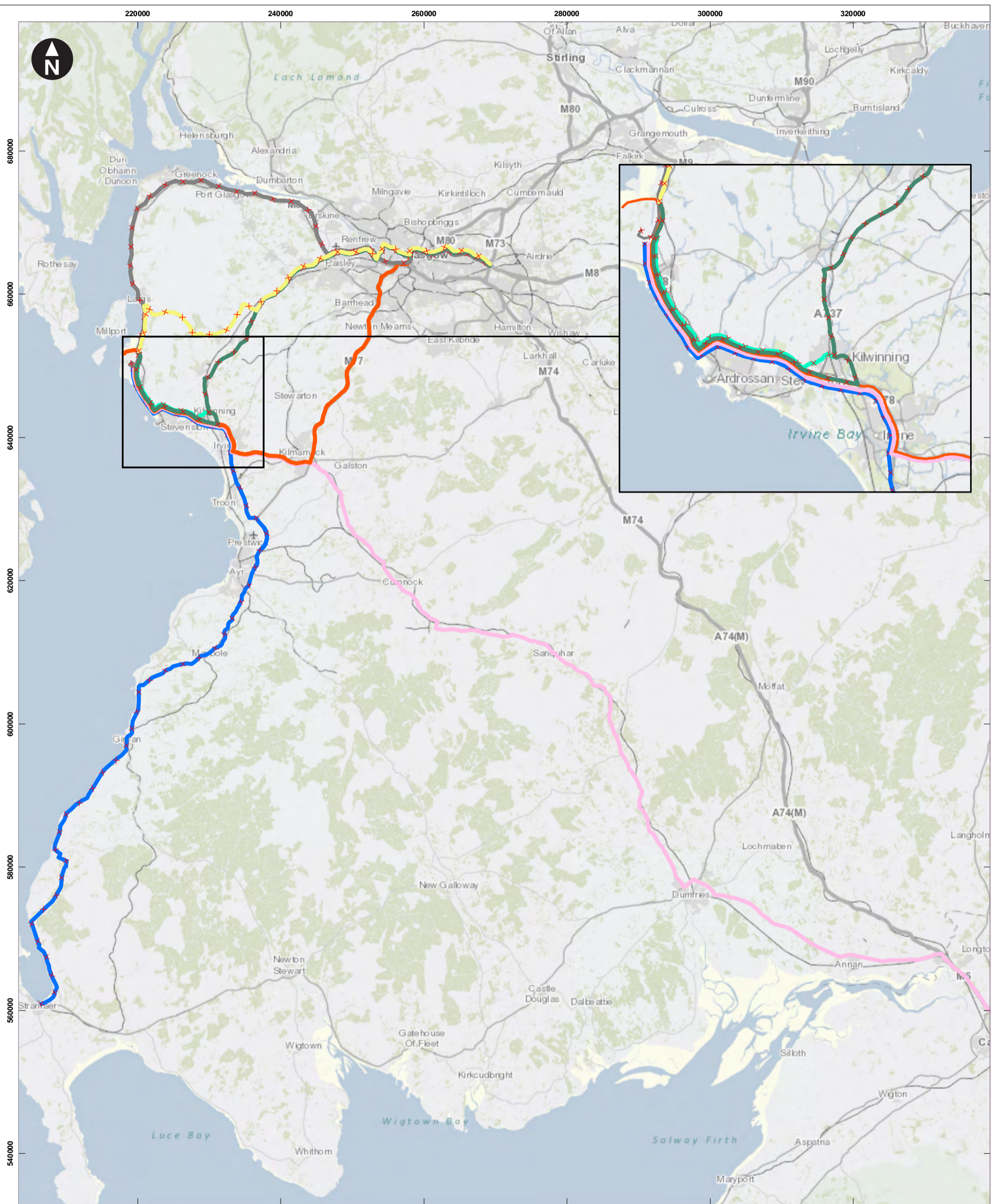
- Key
- Indicative Dismantling Works Area ("Works Area")
 - Traffic and transport study area
 - Nuclear Site Licence Boundary ("The Site")
 - ◆ Automatic Traffic Count (ATC) location 2021
 - ◆ Department for Transport (DfT) data
 - Drakewell C2-traffic 2023 traffic counts



Decommissioning of Hunterston B Nuclear Power Station
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Figure 16.1
Traffic and transport study area

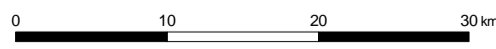
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- Key
- Route 1
 - Route 2A
 - Route 2B
 - Route 3
 - Route 4
 - Route 5
 - Route 6

Decommissioning of Hunterston B Nuclear Power Station Environmental Statement

Figure 16.2
Route options

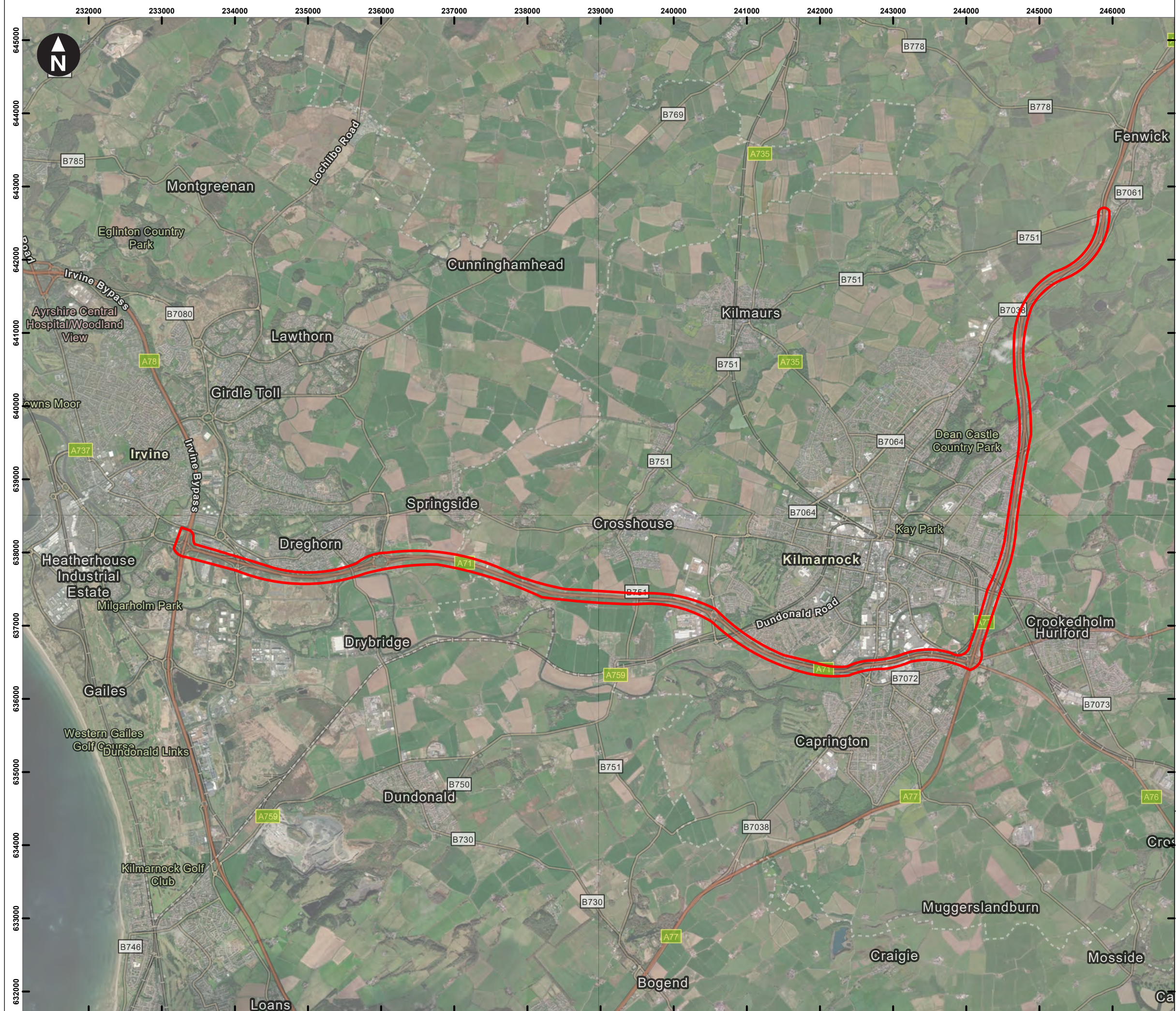


Scale at A3: 1:500,000
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Key

Road safety assessment study area

0 1 2 3 km

Scale at A3: 1:50,000

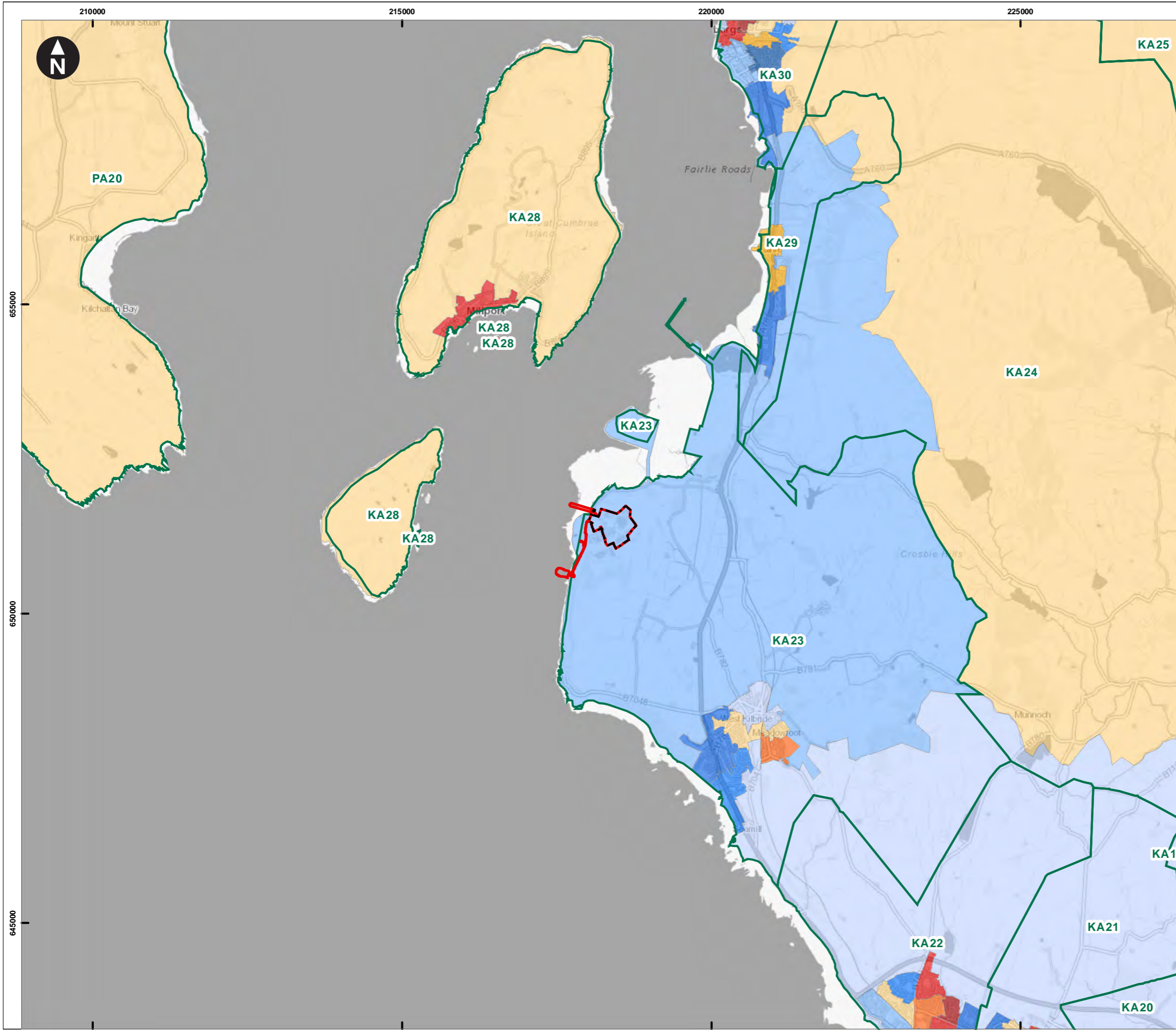
World Imagery: Earthstar Geographics
Hybrid Reference Layer: Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS

Decommissioning of Hunterston B Nuclear Power Station
Environmental Statement

Figure 16.3
Road safety assessment study area

17.

People and Communities



Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- Postcode Districts (Scotland)

Rank of multiple deprivation

- 1 (Most deprived)
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (Least deprived)

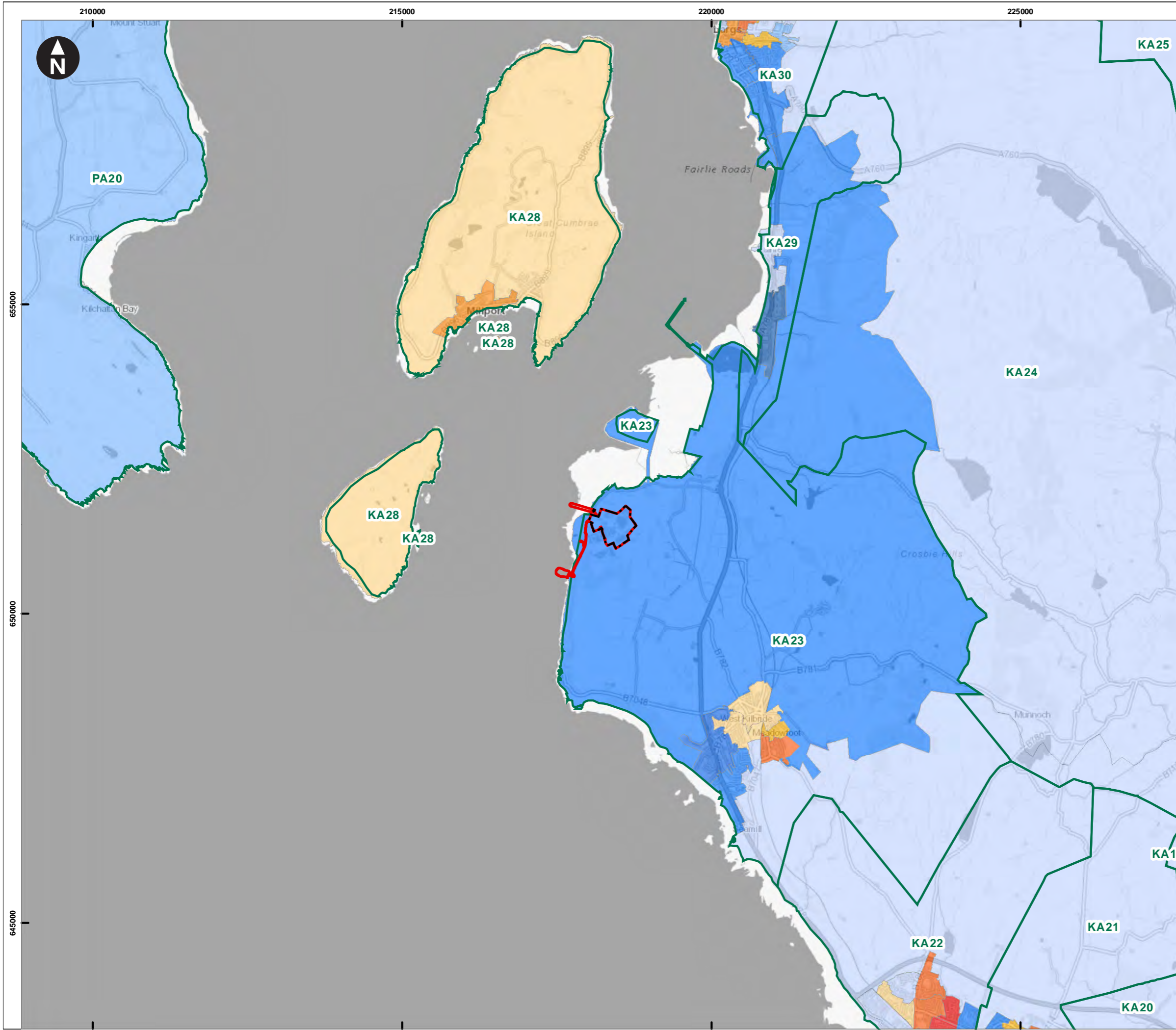
0 1,000 2,000 3,000 m
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Decommissioning of Hunterston B Nuclear Power Station
 Environmental Statement

Figure 17.1
Multiple Deprivation

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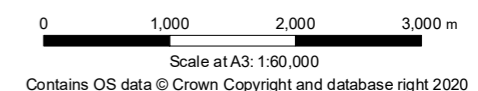


Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- Postcode Districts (Scotland)

Health Rank

- 1 (Most deprived)
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (Least deprived)



Decommissioning of Hunterston B Nuclear Power Station
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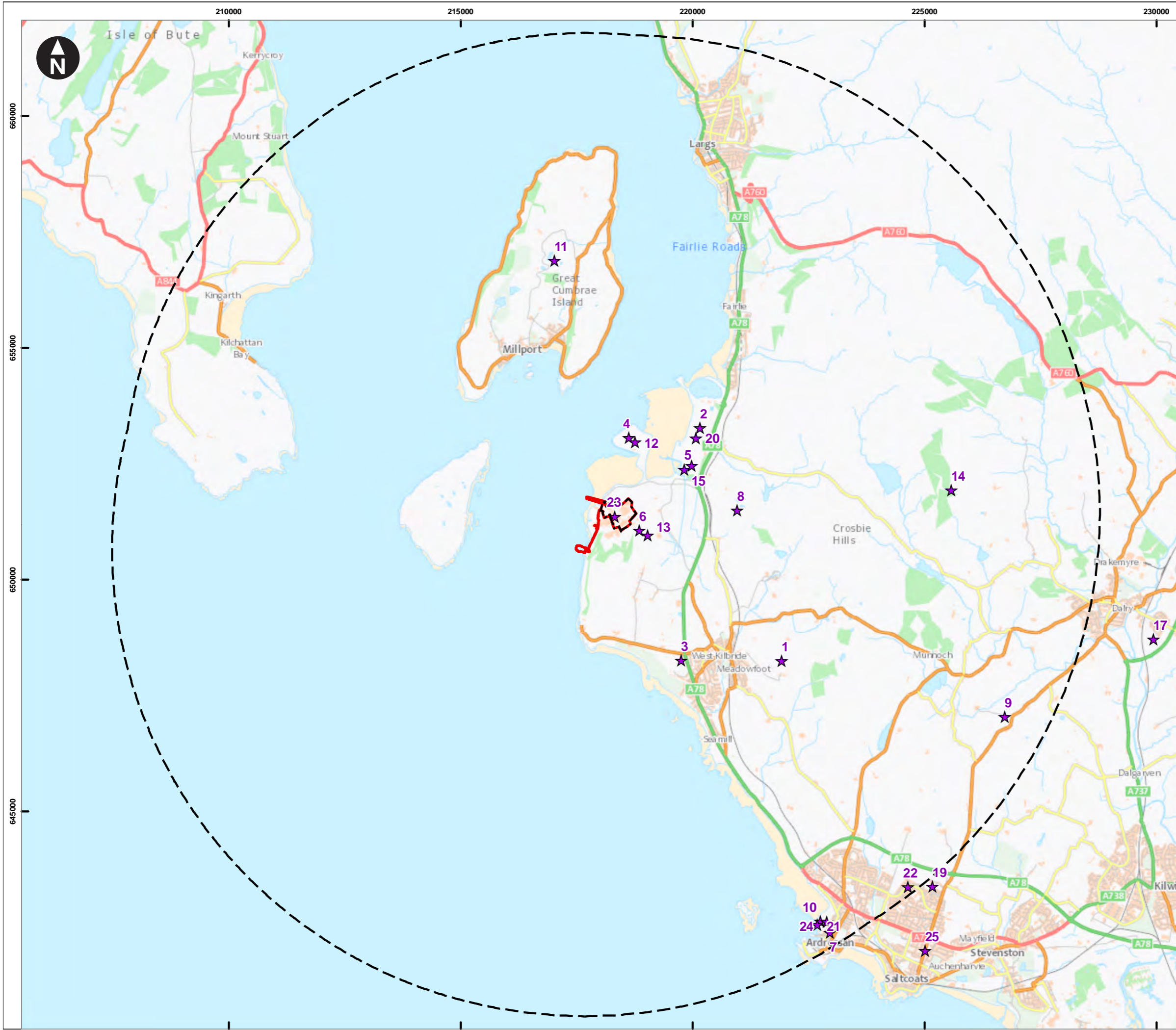
Figure 17.2
Health Deprivation

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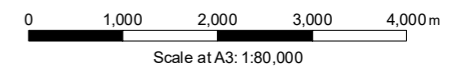
21.

Cumulative Effects Assessment



Key

- Nuclear Site Licence Boundary ("The Site")
- Indicative Dismantling Works Area ("Works Area")
- 10 km search area
- Development site



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Figure 21.1
Other developments within the 10 km cumulative search radius for Hunterston B Decommissioning

