



## Wylfa Newydd Project

### 6.8.11 ES Volume H - Logistics Centre H11 - Cultural heritage

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## 11 Cultural heritage

### 11.1 Introduction

- 11.1.1 This chapter describes the assessment of potential cultural heritage effects resulting from the construction, operation and decommissioning of the Logistics Centre at Parc Cybi (hereafter referred to as the 'Logistics Centre').
- 11.1.2 Please refer to chapter B11 (cultural heritage) (Application Reference Number: 6.2.11) of this Environmental Statement for the technical basis for the assessment including a summary of legislation, policy and guidance; key points arising in consultation that have guided the cultural heritage assessment; and assessment methodologies and criteria.

### 11.2 Study area

- 11.2.1 This section describes the study area relevant to the cultural heritage assessment for the Logistics Centre.
- 11.2.2 The study area for archaeological remains, historic buildings and the historic landscape was defined as the Logistics Centre site and an area extending 500m in all directions from the site boundary (see figure H11-1, Application Reference Number: 6.8.29). This size of study area was used as it provided a suitable corpus of information to inform the assessment of the value of heritage assets and which also was in proportion to the potential effects which may result from the Logistics Centre.
- 11.2.3 The Zone of Theoretical Visibility (ZTV), Cadw designated heritage data (issued March 2017), on-line Ordnance Survey mapping and aerial photography, informed by the results of a walkover survey, were used to identify those heritage assets within 2km of the Logistic Centre, but outside the study area, which could be affected by the construction, operation and decommissioning of the Logistics Centre. A 2km area was used as while the ZTV extends up to 6km from the Logistics Centre, visual effects would diminish with distance, and therefore there are unlikely to be any significant effects on the setting of designated assets beyond 2km. For more information on this and the ZTV, please refer to chapter H10 of this Environmental Statement (landscape and visual) (Application Reference Number: 6.8.10). This approach aligns with Stage 1 of the guidance provided by the *Setting of Historic Assets in Wales* [RD1]. Noise effects beyond 600m are also considered unlikely (please refer to chapter H6 of this Environmental Statement, noise and vibration, Application Reference Number: 6.8.6) and therefore designated heritage assets which may be affected by changes in noise would also fall within the 500m study area or the wider 2km area.
- 11.2.4 The results of this assessment are presented in table H11-1. Any heritage asset on which an effect is not predicted by this assessment has not been included in the cultural heritage baseline or assessed further in this chapter.

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**Table H11-1 Designated assets outside the study area and within 2km of the Logistic Centre which lie inside the ZTV**

Designation Reference	Asset Name	Designation	Assessment
AN092	Tre-Arddur Hut Group	Scheduled Monument	No intervisibility with the Logistic Centre due to topography and mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5762	Kingsland Windmill, Mill Road, (south side)	Grade II* Listed Building	While the Logistics Centre would be visible in distant views to the south-east from the asset, it would be seen in the context of existing infrastructure including Holyhead Leisure Centre, a truckstop and the Parc Cybi employment area, and the Logistics Centre would not affect the way setting contributes to the ways in which the asset is understood, appreciated or experienced. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5263	Melin y Gof aka Stanley Windmill	Grade II Listed Building	While the Logistics Centre would be visible in distant views to the north-west from the asset, these would be limited by topography and mature woodland, and the Logistics Centre would not affect the way setting contributes to the ways in which the asset is understood, appreciated or experienced. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB20074	Stanley Embankment	Grade II Listed Building	No intervisibility with the Logistic Centre due to topography and mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.



Designation Reference	Asset Name	Designation	Assessment
LB20069	Stanley Tollhouse	Grade II Listed Building	No intervisibility with the Logistic Centre due to road and rail infrastructure, topography and mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5764	Candle Tower and walls adjoining remains of Penrhos House	Grade II Listed Building	No intervisibility with the Logistic Centre due to mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB21313	Tower, walls and courtyard buildings	Grade II Listed Building	No intervisibility with the Logistic Centre due to topography, existing infrastructure and mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5766	Bailiff's Tower and with boundary wall, gates and attached outbuildings at Penrhos Home Farm	Grade II Listed Building	No intervisibility with the Logistic Centre due to topography, existing infrastructure and mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5767	Barn and cartsheds, Penrhos Home Farm	Grade II Listed Building	No intervisibility with the Logistic Centre due to existing buildings, topography and mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5770	The Battery	Grade II Listed Building	No intervisibility with the Logistic Centre due to existing buildings, topography and mature woodland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.

Designation Reference	Asset Name	Designation	Assessment
LB14733	Ebenezer Chapel	Grade II Listed Building	No intervisibility with the Logistic Centre due to existing buildings in Kingsland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB14748	No 6, Stanley Cottages, Tyn Pwll Road	Grade II Listed Building	No intervisibility with the Logistic Centre due to existing buildings in Kingsland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB16525	Pont Penllech Nest, Penllech Nest	Grade II Listed Building	No intervisibility with the Logistic Centre due to existing buildings and infrastructure in Kingsland. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB14741	Pillbox near Skinner's Monument	Grade II Listed Building	No intervisibility with the Logistic Centre due to existing topography and residential buildings in Holyhead. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.
LB5417	Skinner Monument, Turkey Shore Road (south-east side)	Grade II Listed Building	No intervisibility with the Logistic Centre due to existing topography and residential buildings in Holyhead. No effect on this heritage asset is predicted and therefore it has been scoped out of further assessment.

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## 11.3 Baseline environment

- 11.3.1 This section provides a summary of the baseline conditions for cultural heritage within the study area described in section 11.2.
- 11.3.2 The cultural heritage baseline environment has been established through Historic Environment Record search, a walkover survey undertaken on the 19 May 2017, and the results of previous cultural heritage desk-based surveys and archaeological investigations undertaken as part of the Parc Cybi employment area [RD2]; [RD3]; [RD4]. The Parc Cybi employment area is a mixed-use development with outline planning permission (see chapter H1, proposed development, Application Reference Number: 6.8.1).
- 11.3.3 Apart from two small areas, the Logistic Centre site has been subject to strip map and sample which mitigated the effects of the Parc Cybi employment area on any archaeological remains that were present [RD3]; [RD4]. Given the intensity of investigation no additional evaluation was therefore required to inform the baseline of the Logistic Centre. In addition, one of the two areas was the site of 19th century farm buildings (Asset 6) which are likely to have removed or truncated any archaeological remains that may have been present. While the second area is under mature scrub, it has been assessed to have a high potential for the presence of unknown archaeological remains, and is shown on figure H11-1 (Application Reference Number: 6.8.29).
- 11.3.4 From these sources a total of 94 heritage assets are considered as part of the cultural heritage baseline for the Logistics Centre, comprising 86 archaeological remains (largely sites and features excavated in advance of the Parc Cybi employment area), five historic buildings, and three Historic Landscape Types (HLT). The locations of heritage assets are shown on figure H11-1 (Application Reference Number: 6.8.29), and further information on these heritage assets can be found in appendix H11-1 (gazetteer of heritage assets) (Application Reference Number: 6.8.26). A summary of the value of the 94 heritage assets considered is presented in table H11-2.

**Table H11-2 Summary of the value of heritage assets**

Subtopic	High	Medium	Low	Negligible
Archaeological remains	2	3	10	71
Historic buildings	0	1	3	1
Historic Landscape Types	0	3	0	0
TOTAL	2	7	13	72

### ***Archaeological remains***

#### **Archaeological remains of high value**

- 11.3.5 Two archaeological remains assessed to be high value have been identified within the study area. Trefignath Burial Chamber (Asset 21) and Ty Mawr

Standing Stone, Holyhead (Asset 22) are Scheduled Monuments (AN011 and AN012) and they form important elements in each other's setting. The burial chamber and the standing stone reportedly align, to within one degree, with the winter solstice sunrise [RD2]; [RD3].

- 11.3.6 Trefignath Burial Chamber (Asset 21) is a chambered tomb located approximately 30m south of the Logistics Centre. The site was totally excavated between 1977 and 1979 and was found to be a multi-phase burial site (see appendix H11-1 (Application Reference Number: 6.8.26) for further details). Evidence of occupation prior to the tomb's construction in the form of hearths and early Neolithic pottery was also recovered. Due to its designation as a Scheduled Monument, this heritage asset has been assessed to be of high value.
- 11.3.7 Trefignath Burial Chamber (Asset 21) is located in a prominent location overlooking the Logistics Centre with open views to the west, north-west and north, with those to the east and south-east and south limited by mature trees forming the boundary of the land in which it sits. The asset's setting comprises enclosed farmland to the north-west and north-east which is bounded by access roads and roundabouts, and to the north-east by the Chester to Holyhead Railway Line and the A55 North Wales Expressway. A truckstop can be seen in long views to the west and the settlement at Kingsland to the north-west. The former Anglesey Aluminium Metal Ltd aluminium works with its large and prominent chimney is located to the north, and modern settlement and development are visible but do not distract from distant views of Holyhead Mountain to the north-west. There are also largely uninterrupted views to Holyhead Bay to the north-east and Anglesey's western coastline beyond. While mature hedgerow planting and mature trees limit the intervisibility between Asset 21 and Ty-Mawr Standing Stone (Asset 22), the standing stone can be seen clearly in views from Asset 21.
- 11.3.8 Trefignath Burial Chamber (Asset 21) is publicly accessible and an interpretation board is provided.
- 11.3.9 Approximately 2.5m high, Ty Mawr Standing Stone (Asset 22) is located in a low-lying area of enclosed farmland approximately 380m north-west of the Logistics Centre. Due to its designation as a Scheduled Monument, this heritage asset has been assessed to be of high value.
- 11.3.10 The immediate setting of Ty Mawr Standing Stone (Asset 22) is formed by the low-lying area of enclosed farmland in which the heritage asset is located. A truckstop dominates the heritage asset's setting in views to the west, while the A55 North Wales Expressway, a retail park and the chimney associated with the former Anglesey Aluminium Metal Ltd aluminium works are dominant in views to the north and north-east. Views to the south-east towards Trefignath Burial Chamber (Asset 21) include a communications mast and associated building, an access road and lighting columns. This asset is intervisible with Trefignath Burial Chamber (Asset 21), with the views towards the latter partially screened by mature trees and hedgerow planting.

- 11.3.11 The key attributes of the setting of both heritage assets is their visual relationship with each other and their alignment with the winter solstice sunrise.

### **Archaeological remains of medium value**

- 11.3.12 The study area contains three archaeological remains assessed to be of medium value: Romano-British Settlement, Ty Mawr (Asset 11), the Chester to Holyhead Railway Line (Asset 15) and Peat Deposits, Ty Mawr (Asset 18).
- 11.3.13 Romano-British Settlement, Ty Mawr (Asset 11) was found during excavation to consist of at least three roundhouses and a variety of other features interpreted to be part of a Late-Prehistoric/Romano-British complex associated with intensive ironworking activities. Finds included Romano-British pottery dating to the 2nd century AD. As the condition of this asset is not recorded, this site may contain unrecorded archaeological remains that may have further potential to address archaeological research objectives related to Romano-British settlement in Wales [RD5]. This heritage asset has therefore been assessed to be of medium value.
- 11.3.14 The Chester to Holyhead Railway Line (Asset 15) was designed by Robert Stephenson and opened in March 1848. Many of the original walls, culverts and fittings remain. In addition, the railway has played a vital role in the development of Holyhead since the mid-19th century, and is an integral part of Anglesey's industrial heritage and identity. This heritage asset has therefore been assessed to be of medium value.
- 11.3.15 The peat deposits identified at Ty Mawr (Asset 18) have the potential to provide information on the environment in the past and may also contain preserved archaeological remains. This heritage asset has therefore been assessed to be of medium value.

### **Archaeological remains of low value**

- 11.3.16 A total of 10 archaeological remains assessed to be of low value have been identified within the study area.
- 11.3.17 The Lon Towyn Capel cycle path (Asset 2), which borders the proposed Logistics Centre site may follow the alignment of a Roman road and it is possible that the ditch identified at Cae Glas (Asset 77) is part of a continuation of a Roman trackway (Asset 50). While such heritage assets may have the potential to help address research questions relating to Roman Wales [RD5], due to their poor preservation they have been assessed to be of low value.
- 11.3.18 Heritage assets dating to the post-medieval period include field systems (Assets 12, 58 and 59); culverts (Assets 62 and 63); a farmstead site (Asset 91); possibly of pre-18th century date; a post-medieval farmyard (Asset 84); and a track which ran north from Treddaniel to Tyddyn-bach (Asset 89). While these assets are not rare, and are in a poor state of preservation, they do provide evidence of post-medieval land use and contribute to the Penrhos Historic Landscape (HLT 1).

### **Archaeological remains of negligible value**

- 11.3.19 The study area contains 71 archaeological remains assessed to be of negligible value. They largely comprise sites and features excavated in advance of the Parc Cybi employment area. Those assets located within the Logistics Centre site are described below. Further details on these and all other archaeological remains assessed to be of negligible value are provided in appendix H11-1 (Application Reference Number: 6.8.26).
- 11.3.20 Ten of these heritage assets are located within the Logistics Centre site. These comprise six groups of postholes/stakeholes forming prehistoric structures/occupation sites (Assets 33, 34, 35, 36, 37 and 38); a linear feature (Asset 50) interpreted as a Roman trackway; a group of pits and postholes also dating to the Roman period (Asset 51); and a disturbed clay hearth with an adjacent posthole dating to the Iron Age or Roman period (Asset 52). These assets have been excavated and signed-off for development and have therefore been assessed as being of negligible value.
- 11.3.21 Asset 6 is the location Trefignath Farm, which occupied an area in the southern portion of the Logistics Centre site. However, no remnant fabric of the 19th century farm survives.

### **Potential for unknown archaeological remains**

- 11.3.22 The majority of the Logistics Centre site has been subject to archaeological investigations undertaken for the Parc Cybi employment area. Based on the results of these archaeological investigations, the potential for the presence of unknown archaeological remains within undisturbed areas within the Logistics Centre site has been assessed to be high (see figure H11-1, Application Reference Number: 6.8.29).

### ***Historic buildings***

#### **Historic buildings of high value**

- 11.3.23 No historic buildings assessed to be of high value have been identified within the study area.

#### **Historic buildings of medium value**

- 11.3.24 Trefignath Pillbox (Asset 87) is a well-preserved circular pillbox from the Second World War period (see figure H11-1, Application Reference Number: 6.8.29, for its location). Its design is unusual and believed to only have been used on Anglesey. As a well-preserved example of its type, this heritage asset been assessed to be of medium value.

#### **Historic buildings of low value**

- 11.3.25 Tyddyn-uchaf, Treaddur (Asset 88) is a house which first appears on the 1889 map. It has remained largely unchanged to the present day and is still occupied. While all that remains of Tre-Daniel Farm (Asset 26) are parts of the farmyard wall, gateway and walled copse. Asset 64 is a well with steps leading down to water level and fed by a culvert. While these historic

buildings are not rare they do contribute to the Penrhos Historic Landscape (HLT 1) and have been assessed to be of low value.

### **Historic buildings of negligible value**

11.3.26 A well at Ty Mawr (Asset 3) is a stone-lined well located on a removed field boundary. It has been assessed to be of negligible value as it has been recorded as excavated and signed-off for development.

11.3.27 No other historic buildings of negligible value have been identified within the study area.

### **Historic Landscape Types**

#### **Historic Landscape Types of high value**

11.3.28 No HLTs assessed to be of high value have been identified within the study area.

#### **Historic Landscape Types of medium value**

11.3.29 Penrhos HLT (HLT 1) comprises traditional boundary types including boulder walls and stone rubble banks. Archaeological interest in the area arises from its buried remains, earthworks, stone monuments and industrial archaeology reflecting occupation and activity from prehistoric times to the present day. This HLT includes the Trefignath Burial Chamber (Asset 21) and a prehistoric hut group at Treaddur (AN092; located outside the study area). LANDMAP identifies HLT 1 to be of moderate local value given the evidence for Neolithic, Bronze Age, Iron Age, Romano-British and medieval activity but no higher due to attrition of the historic landscape and development of industrial estates. It is therefore assessed here to be of medium value.

11.3.30 Penrhos Park HLT (HLT 2) comprises traditional boundary types including hedgebanks and stone rubble banks forming an area of parkland encroached on by 20th century factories. Much of this area is occupied by an industrial estate and became part of the eastern expansion of Holyhead. In the post-medieval period the land was owned by the Penrhos family then the Stanleys of Alderley. Most of the farmsteads in the area are now in ruins and some of the fields have been amalgamated, but the underlying framework of estate land is still evident in places. The southern part of this HLT has been built over in the 1960s by the Anglesey Aluminium factory. LANDMAP identifies HLT 2 to be of moderate local value given the loss of the historic landscape despite its interesting cultural associations. It is therefore assessed here to be of medium value.

11.3.31 Trearddur Bay Area HLT (HLT 3) comprises boundary types including boulder walls, cloddiau variants and stone and earth banks. Trearddur Bay once formed part of a river estuary, but changes during glaciation and the post-glacial period led to the formation of the natural bay. Layers of peat beneath the sand on the shore of Trearddur Bay contain the remains of trees, estimated to have grown around 5,000 BC. The area started to be developed alongside the 18th century coach road between Valley and



Holyhead as a holiday resort on a small scale in the late 19th century and further development took place in the early 20th century, and it is this settlement which characterises this HLT today. Although LANDMAP identifies HLT 3 to be of high regional value, as there is landscape evidence of a prehistoric, Roman and medieval presence here, it is the holiday settlement which really characterises the area today. It is therefore assessed here to be of medium value.

### **Historic Landscape Types of low and negligible value**

- 11.3.32 No HLTs of low or negligible value have been identified within the study area.

### ***Evolution of the baseline***

- 11.3.33 Long-term changes to the cultural heritage baseline are likely to result from changes in climate which could remove, or result in changes to the form of existing heritage assets through erosion (which could also lead to new heritage assets being exposed) or the construction of coastal defence or flood defences. This could result in changes to the fabric of historic buildings through adaptations to meet climatic change. In addition, changes in crop, stock or species viability, could result in removal of, or changes to, heritage assets.

## **11.4 Design basis and activities**

- 11.4.1 This section sets out the design basis for this assessment of effects. It sets out where any assumptions have been made to enable the assessment to be carried out at this stage in the evolution of the design. This section also identifies the embedded and good practice mitigation that would be adopted to reduce adverse effects as inherent design features or by implementation of standard industry good working practice.
- 11.4.2 As described in chapter H1 (Application Reference Number: 6.8.1), the application for development consent is based on a parameter approach. The assessment described within this chapter has taken into consideration the flexibility afforded by the parameters. A worst case scenario has therefore been assessed from a cultural heritage perspective within the parameters described in chapter H1 (Application Reference Number: 6.8.1).

### ***Construction***

#### **Basis of assessment and assumptions**

- 11.4.3 Archaeological remains identified within the Logistics Centre site have already been excavated as part of the Parc Cybi employment area and signed-off for development [RD4] and therefore no effects on these remains are predicted.
- 11.4.4 Construction activities, especially the removal of topsoil, have the potential to remove any unknown archaeological remains that may be present within previously undisturbed areas not subject to previous archaeological investigations (figure H11-1, Application Reference Number: 6.8.29). It is

assumed that unknown remains, if present, are of the same nature and value as those previously identified in the adjacent areas.

### **Embedded mitigation**

- 11.4.5 No embedded mitigation during construction of the Logistics Centre is required to mitigate effects on heritage assets.

### **Good practice mitigation**

- 11.4.6 While no good practice mitigation has been identified specifically for effects on heritage assets during construction, good practice mitigation as set out in section 8 of the Wylfa Newydd Code of Construction Practice (CoCP) (Application Reference Number: 8.6) and section 8 of the Logistics Centre sub-CoCP (Application Reference Number: 8.11) would reduce noise effects on the setting of heritage assets.

## **Operation**

### **Basis of assessment and assumptions**

- 11.4.7 For the purpose of this assessment it has been assumed that the presence of the Logistics Centre during operation has the potential to have a continued effect on the setting of heritage assets.

### **Embedded mitigation**

- 11.4.8 The following embedded mitigation relevant to cultural heritage, which would reduce effects on the setting of heritage assets during the operation of the Logistics Centre, is proposed.

- The number and mass of buildings which comprise the Logistics Centre have been limited, and buildings (with the exception of the security kiosk and driver instruction point) and the heavy goods vehicle parking area would be sited to the north of the Logistics Centre. This design layout would reduce visual intrusion into the settings of Ty Mawr Standing Stone (Asset 22) and the Trefignath Burial Chamber (Asset 21) Scheduled Monuments and maintain the line of sight between the two heritage assets and the possible visual alignment of these monuments and the winter solstice sunrise, as far as reasonably practicable within security and operational requirements.
- There would be hedgerow planting to the north of the Logistics Centre site to reinforce and enhance existing hedgerows.
- The existing stone wall to the south west of the Logistics Centre site would be restored.

- 11.4.9 Embedded mitigation is set out in the relevant Works Plans (Application Reference Number: 2.3) and volume 3, appendix 1-4, of the Design and Access Statement (Associated Developments and Off-Site Power Station Facilities) (Application Reference Number: 8.2.3) being secured through Development Consent Order requirements.

### **Good practice mitigation**

- 11.4.10 No good practice mitigation has been identified to mitigate effects on heritage assets during the operation of the Logistics Centre.

### **Decommissioning**

#### **Basis of assessment and assumptions**

- 11.4.11 For the purposes of this assessment it has been assumed that the decommissioned Logistics Centre site would retain site fencing, hardstanding, lighting and hedgerow and scrub planting.

#### **Embedded mitigation**

- 11.4.12 The main embedded mitigation proposed for decommissioning is the retention of the landscaped areas within the Logistics Centre site including the rock outcrop, seeding and hedgerow planting.

#### **Good practice mitigation**

- 11.4.13 While no good practice mitigation has been identified specifically to mitigate effects on heritage assets, during decommissioning good practice mitigation would limit potential noise effects on the setting of heritage assets.

## **11.5 Assessment of effects**

- 11.5.1 This section presents the findings of the assessment of effects associated with the construction, operation and decommissioning of the Logistics Centre. As none of these effects are likely to be significant a short summary is provided below. Please refer to appendix H11-2 (Effects on heritage assets) (Application Reference Number: 6.8.27) for a full description and the detailed assessment of effects. Please refer to chapter H10 (Application Reference Number: 6.8.10) for potential visual effects on visitors to Trefignath Burial Chamber (Asset 21) and Ty Mawr Standing Stone (Asset 22) Scheduled Monuments.
- 11.5.2 For an assessment of the effects of the Logistics Centre on the landscape and heritage special qualities of the Isle of Anglesey Area of Outstanding Natural Beauty please see appendix D11-8 (Integrated Landscape, Heritage and Architecture Plan) (Application Reference Number: 6.4.79).

### **Construction**

#### **Archaeological remains**

- 11.5.3 No effects on archaeological remains have been assessed to be moderate adverse significance or above. Effects of minor adverse significance are predicted for two archaeological remains, comprising Trefignath Burial Chamber (Asset 21) and Ty Mawr Standing Stone, Holyhead (Asset 22). An assessment of these effects is presented in appendix H11-2 (Application Reference Number: 6.8.27).

- 11.5.4 While Assets 6, 33, 34, 35, 36, 37, 38, 50 and 51 are located within the Logistics Centre, these have already been excavated as part of the Parc Cybi employment area, signed-off for development and recorded by the Historic Environmental Record as destroyed, and therefore no effects on these remains are predicted.

### **Historic buildings**

- 11.5.5 No effects on the five historic buildings identified within the study area are predicted as a result of construction of the Logistics Centre.

### **Historic Landscape Types**

- 11.5.6 No effects on any HLTs have been assessed to be moderate adverse significance or above. An effect on one HLT (Penrhos HLT (HLT 1)) has been assessed to be of negligible adverse significance. An assessment of this effect is presented in appendix H11-2 (Application Reference Number: 6.8.27). No effects on the remaining two HLTs are predicted.

## ***Operation***

### **Archaeological remains**

- 11.5.7 No effects on archaeological remains resulting from operation of the Logistics Centre have been assessed to be of moderate adverse significance or above. Effects of minor adverse significance are predicted for two archaeological remains, comprising Trefignath Burial Chamber (Asset 21) and Ty Mawr Standing Stone, Holyhead (Asset 22). An assessment of these effects is presented in appendix H11-2 (Application Reference Number: 6.8.27).

### **Historic buildings**

- 11.5.8 No effects on the five historic buildings identified within the study area are predicted as a result of operation of the Logistics Centre.

### **Historic Landscape Types**

- 11.5.9 No effects of moderate significance or greater have been identified for HLTs. Operation would have an effect on one HLT (Penrhos HLT (HLT 1)) has been assessed to be of negligible adverse significance. An assessment of this effect is presented in appendix H11-2 (Application Reference Number: 6.8.27). No effects on the remaining two HLTs are predicted.

## ***Decommissioning***

### **Archaeological remains**

- 11.5.10 No effects of moderate significance or greater have been identified for archaeological remains. Effects of minor adverse significance are predicted for two archaeological remains, comprising Trefignath Burial Chamber (Asset 21) and Ty Mawr Standing Stone, Holyhead (Asset 22). An

assessment of these effects is presented in appendix H11-2 (Application Reference Number: 6.8.27).

### **Historic buildings**

- 11.5.11 No effects on the five historic buildings identified within the study area are predicted as a result of decommissioning of the Logistics Centre.

### **Historic Landscape Types**

- 11.5.12 No effects of moderate significance or greater have been identified for HLTs. Decommissioning would have an effect of negligible adverse significance on Penrhos HLT (HLT 1). An assessment of this effect is presented in appendix H11-2 (Application Reference Number: 6.8.27). No effects on the remaining two HLTs are predicted.

## **11.6 Additional mitigation**

- 11.6.1 In accordance with chapter B1 (introduction to the assessment process) (Application Reference Number: 6.2.1) of this Environmental Statement, embedded and good practice mitigation measures relevant to cultural heritage were taken into account when determining the 'pre-mitigation' significance of effects. These are detailed in the design basis and activities section of this chapter.
- 11.6.2 Additional mitigation measures would be implemented to address potential effects identified in the assessment of effects section. These additional mitigation measures are summarised in table H11-3 for construction. No additional mitigation measures are proposed for operation and decommissioning.

### **Construction**

#### **Archaeological remains**

- 11.6.3 There is the potential that any unknown archaeological remains that may be present within previously undisturbed areas of the Logistics Centre would be removed by construction (figure H11-1, Application Reference Number: 6.8.29). Effects on any such archaeological remains that may be present would be mitigated through the development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling (table H11-3).
- 11.6.4 The mitigation work(s) identified in the archaeological mitigation strategy would be undertaken in accordance with relevant guidance provided by the Chartered Institute for Archaeologists (e.g. [RD8]) and a Written Scheme of Investigation which would be agreed with Gwynedd Archaeological Planning Service (GAPS). All archaeological recording would include a programme of assessment, reporting, analysis, publication and dissemination commensurate with the value of the archaeological remains removed, submission of reports to the Historic Environment Record and National

Monument Record of Wales, and the preparation of an ordered archive which would be submitted to an appropriate repository.

- 11.6.5 In accordance with paragraph 5.8.20 of the *Overarching National Policy Statement for Energy (EN-1)* [RD7] a photographic survey would be undertaken (table H11-3) to record the current settings of Trefignath Burial Chamber (Asset 21) and Ty Mawr Standing Stone, Holyhead (Asset 22). The photographic survey would be undertaken in accordance with relevant best practice guidance (e.g. [RD8]; [RD9]) and a Written Scheme of Investigation which would be agreed with Gwynedd Archaeological Planning Service. Photographic survey would include the preparation and submission of reports to the Historic Environment Record and National Monument Record of Wales and the preparation of an ordered archive which would be submitted to an appropriate repository.

### Historic buildings

- 11.6.6 No additional mitigation for historic buildings is required for the construction of the Logistics Centre.

### Historic landscapes

- 11.6.7 No additional mitigation for historic landscapes is required for the construction of the Logistics Centre.
- 11.6.8 A summary of additional mitigation measures for cultural heritage is presented in table H11-3. These measures would be secured through inclusion in section 12 of the Wylfa Newydd CoCP (Application Reference Number: 8.6) and section 12 of the Logistics Centre sub-CoCP (Application Reference Number: 8.11), both of which would be secured through Development Consent Order requirements.

**Table H11-3 Additional mitigation measures – construction**

Additional mitigation measures	Objective	Achievement criteria and reporting requirements
Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling.	To make record of any unknown archaeological remains prior to their removal.	Undertaking the archaeological work(s) identified in the agreed archaeological mitigation strategy, dissemination of results, submission of an ordered archive to an appropriate repository.



Additional mitigation measures	Objective	Achievement criteria and reporting requirements
Photographic survey	To make a record of the settings of Trefignath Burial Chamber (Asset 21) and Ty Mawr Standing Stone, Holyhead (Asset 22).	Completion of reporting, dissemination of results, submission of an ordered archive to an appropriate repository.

### ***Operation***

- 11.6.9 No additional mitigation for archaeological remains, historic buildings or historic landscapes is required for the operation of the Logistics Centre.

### ***Decommissioning***

- 11.6.10 No additional mitigation for archaeological remains, historic buildings or historic landscapes is required for the decommissioning of the Logistics Centre.

## **11.7 Residual effects**

- 11.7.1 This section describes the residual effects having taken into account the embedded, good practice and additional mitigation described above. A summary of the residual effects and their significance for archaeological remains, historic buildings and HLTs is provided in appendix H11-2 (Application Reference Number: 6.8.27).
- 11.7.2 No residual effects of moderate or greater significance are predicted for any known or unknown archaeological remains, historic buildings or HLTs.
- 11.7.3 After mitigation, no significant effects on any known or unknown archaeological remains are predicted. The residual significance of effect for two archaeological remains comprising Trefignath Burial Chamber (Asset 21) and Ty Mawr Standing Stone, Holyhead (Asset 22) has been assessed to be minor adverse during construction, operation and decommissioning.
- 11.7.4 No residual effects on historic buildings during construction, operation, and decommissioning are predicted.
- 11.7.5 The residual significance of effect during construction, operation and decommissioning is assessed to be negligible adverse for Penrhos HLT (HLT 1). No effects on the two other HLTs during construction, operation, and decommissioning are predicted.

## 11.8 References

**Table H11-4 Schedule of references**

ID	Reference
RD1	Welsh Government. 2017. <i>Setting of Historic Assets in Wales</i> . [Online]. [Accessed: 11 July 2017]. Available from: <a href="http://cadw.gov.wales/docs/cadw/publications/historicenvironment/20170531Setting%20of%20Historic%20Assets%20in%20Wales%2026918%20EN.pdf">http://cadw.gov.wales/docs/cadw/publications/historicenvironment/20170531Setting%20of%20Historic%20Assets%20in%20Wales%2026918%20EN.pdf</a> .
RD2	Davidson, A. 2002. <i>Land at Ty Mawr Holyhead</i> . GAT Report. No. 459.
RD3	Berks, T., Davidson, A., Kenney, J. and Roberts, J. 2004. <i>Land at Ty Mawr Holyhead, Anglesey: Archaeological Assessment and Evaluation 2000-2004</i> . G1701, GAT Report. No. 554
RD4	Kenney, J., McGuinness, N, Cooke, R., Rees, C. and Davidson, A. 2011. <i>Parc Cybi, Holyhead: Post Excavation Assessment of Potential Report Volume I</i> . GAT Report No. 954.
RD5	Anon. n.d. <i>A Research Framework for the Archaeology of Wales, Roman</i> . [Online]. [Accessed: 25 May 2017]. Available from: <a href="http://www.archaeoleg.org.uk/pdf/roman/VERSION%2001%20-%20ROMAN.pdf">http://www.archaeoleg.org.uk/pdf/roman/VERSION%2001%20-%20ROMAN.pdf</a> .
RD6	Chartered Institute for Archaeologists. 2014. <i>Standard and guidance for archaeological excavation</i> . [Online]. [Accessed: 25 May 2017]. Available from: <a href="http://www.archaeologists.net/sites/default/files/CIfAS&amp;GExcavation.pdf">http://www.archaeologists.net/sites/default/files/CIfAS&amp;GExcavation.pdf</a>
RD7	Department of Energy and Climate Change. 2011. <i>Overarching National Policy Statement for Energy (EN-1)</i> . London: The Stationery Office.
RD8	Historic England. 2017. <i>Understanding the Archaeology of Landscapes: A guide to good recording practice (Second Edition)</i> . Swindon: Historic England.
RD9	Gwynedd Archaeological Planning Service (GAPS). 2015. <i>Guidance for applicants undertaking general photographic surveys for planning purposes</i> . [Online]. [Accessed: 25 May 2017]. Available from: <a href="http://www.heneb.co.uk/newimages/photographicsurvey.pdf">http://www.heneb.co.uk/newimages/photographicsurvey.pdf</a>



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