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- Application Boundary
- EIA Study Area Boundary
- Study Area
- Production Development Zone
- Contour
- Spot height

Height(s) in metres

- <= 25
- 25 - 40
- 40 - 50
- 50 - 65
- 65 - 80
- 80 - 91
- 91 - 105
- 105 - 118
- 118 - 132
- 132 - 145
- 145 - 159
- 159 - 172
- 172 - 186
- 186 - 199
- 199 - 213
- 213 - 226
- > 226

CLIENT:
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PROJECT:
Project Dragon

DRAWING:
Figure 8.6 - Landform and Features

PROJECT NUMBER:
LANT3006

DRAWING NUMBER:
8.6

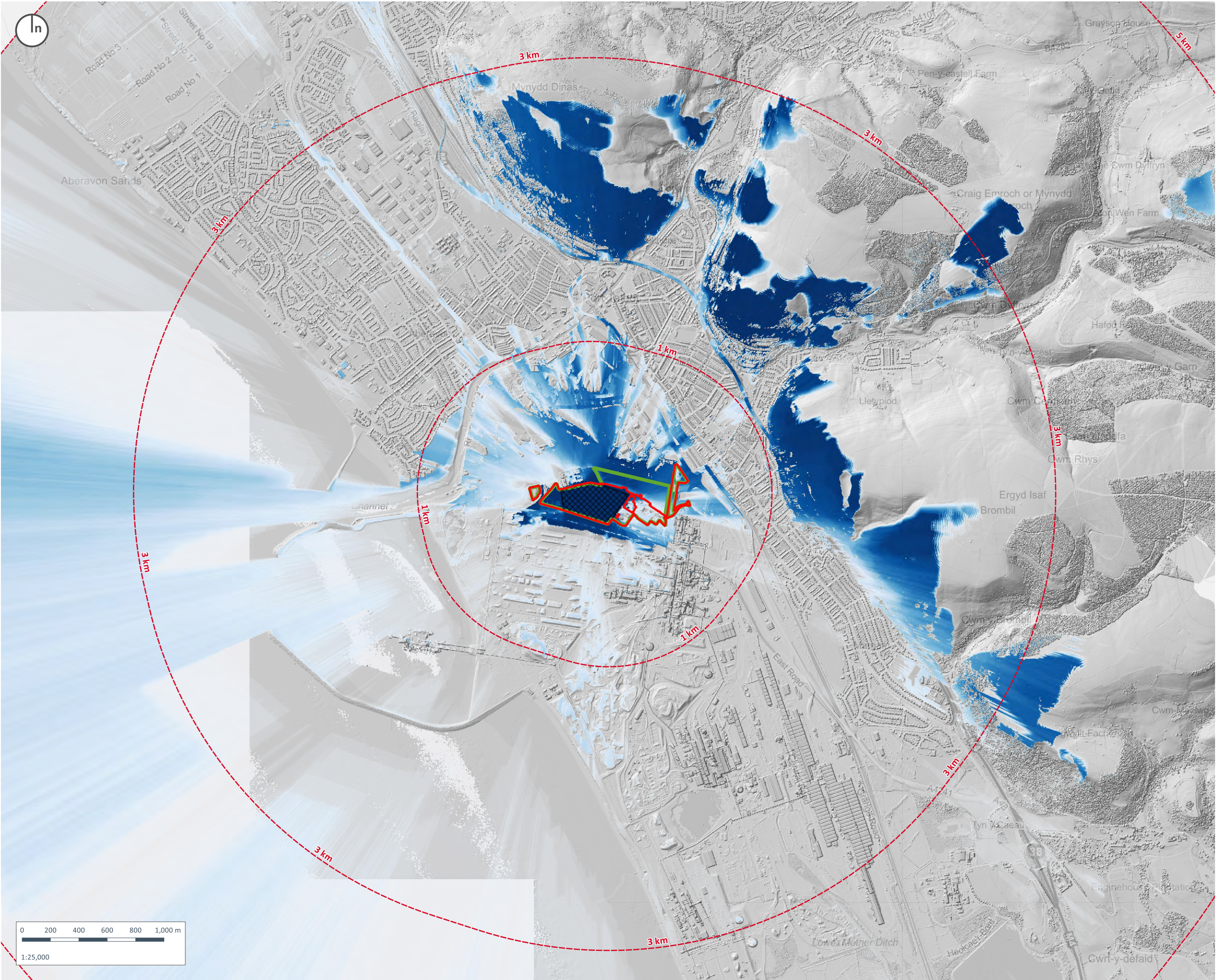
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1.0

STATUS:
Draft

DATE:
August 2023

SCALE:
1:20,000 @ A3



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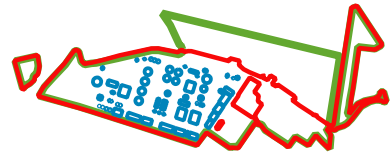
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- Application Boundary
- EIA Study Area Boundary
- Production Development Zone
- ZTV Study Area

Zone of Theoretical Visibility (ZTV)

Low Potential Visibility

High Potential Visibility



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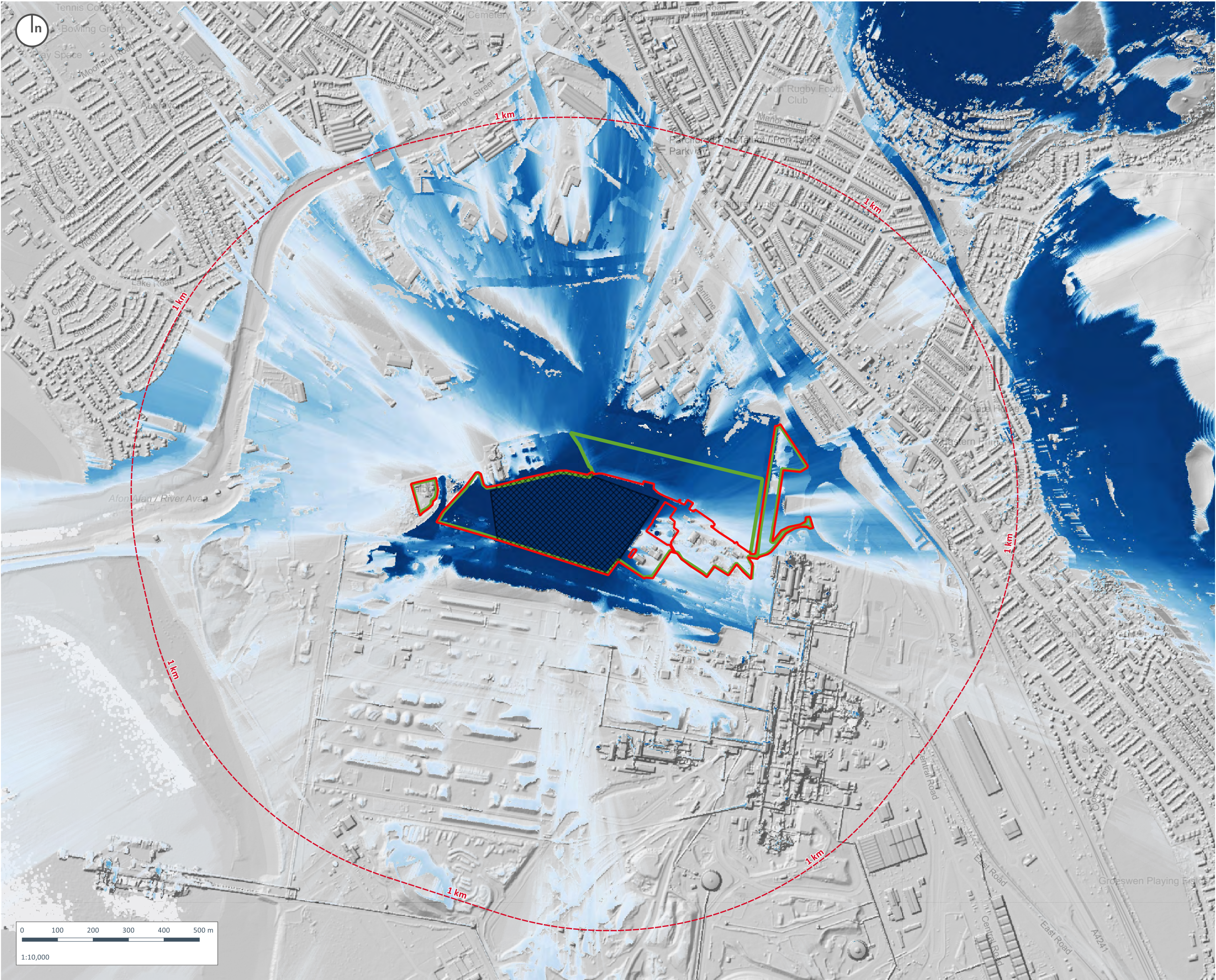
DRAWING:
Figure 8.7.1 – Zone of Theoretical Visibility (ZTV) - 5km Study Area

PROJECT NUMBER:
LANT3006

DRAWING NUMBER: 8.7.1
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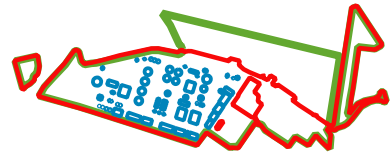
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- Application Boundary
- EIA Study Area Boundary
- Production Development Zone
- ZTV Study Area

Zone of Theoretical Visibility (ZTV)

Low Potential Visibility

High Potential Visibility



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DRAWING:
Figure 8.7.2 – Zone of Theoretical Visibility (ZTV) - 1km Study Area

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DRAWING NUMBER:
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- Application Boundary
- EIA Study Area Boundary
- Study Area
- Production Development Zone
- Active Travel Approved Routes
- Views

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Figure 8.8 - Representative Viewpoint Locations

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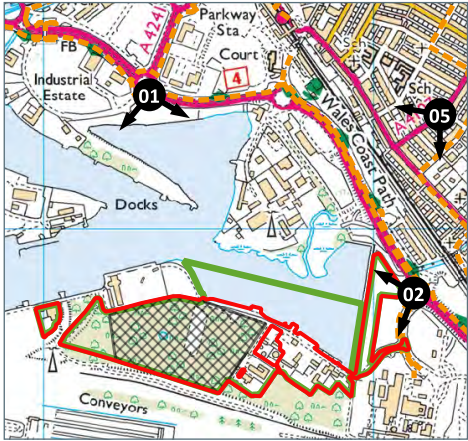
REPRESENTATIVE VIEWPOINT 1: View from Harbour Way on the roundabout to north of the proposed development

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 1: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
ENLARGEMENT FACTOR: 100% @ A3
DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 13:30 hrs
CAMERA MAKE & MODEL: Canon EOS 200D DSLR
CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South

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PROJECT:
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DRAWING:
Figure 8.9 – Summer Viewpoint Photography

PROJECT NUMBER:
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DATE:	SCALE:
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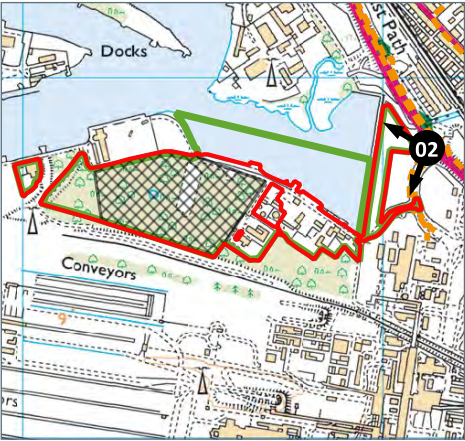
REPRESENTATIVE VIEWPOINT 2: View from Harbour Way on the roundabout to east of the proposed development

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 2: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
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CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-West

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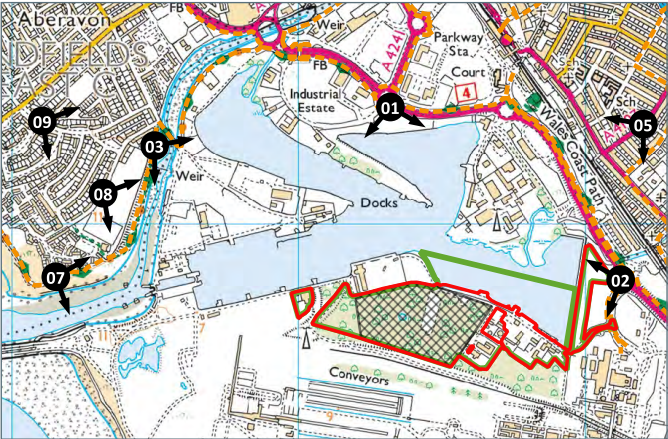
REPRESENTATIVE VIEWPOINT 3: View from Wales Coastal Path 887 near the Newbridge Road Overbridge

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 3: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
ENLARGEMENT FACTOR: 100% @ A3
DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 12:40hrs
CAMERA MAKE & MODEL: Canon EOS 200D DSLR
CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-East

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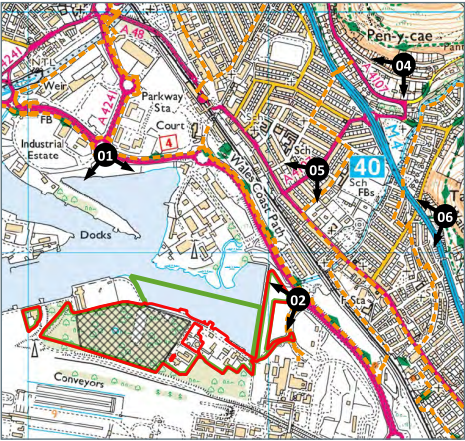
REPRESENTATIVE VIEWPOINT 4: View from Broomhill at Pen-Y-Cae

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 4: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
ENLARGEMENT FACTOR: 100% @ A3
DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 10:00 hrs
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CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-West

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DRAWING:
Figure 8.9 – Summer Viewpoint Photography

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DATE:	SCALE:
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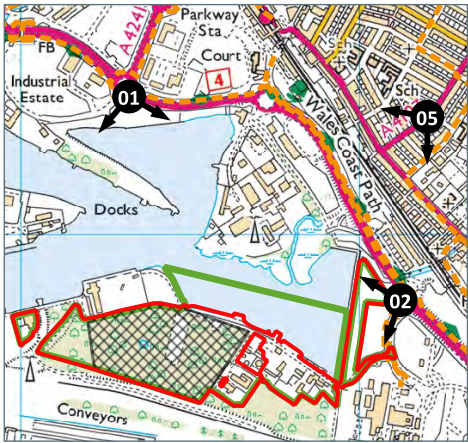
REPRESENTATIVE VIEWPOINT 5: View from Abbey Road, Port Talbot

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 5: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
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DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 11:00 hrs
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CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-West

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DRAWING:
Figure 8.9 – Summer Viewpoint Photography

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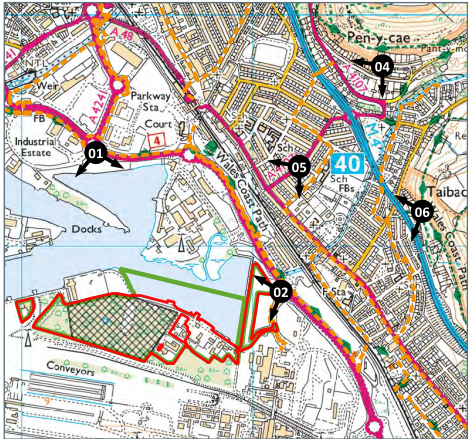
REPRESENTATIVE VIEWPOINT 6: View from Wales Coastal Path, near Mynydd Brombil

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 6: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
ENLARGEMENT FACTOR: 100% @ A3
DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 10:30 hrs
CAMERA MAKE & MODEL: Canon EOS 200D DSLR
CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-West

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Figure 8.9 – Summer Viewpoint Photography

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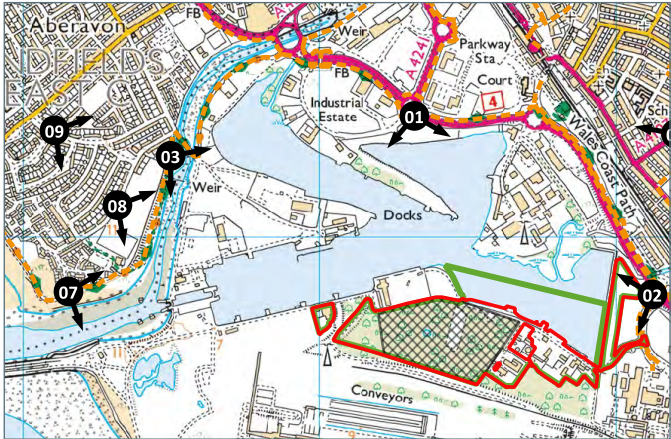
REPRESENTATIVE VIEWPOINT 7: View from Wales Coastal Path at junction with Mariner's Point

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 7: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
ENLARGEMENT FACTOR: 100% @ A3
DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 12:15 hrs
CAMERA MAKE & MODEL: Canon EOS 200D DSLR
CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-East

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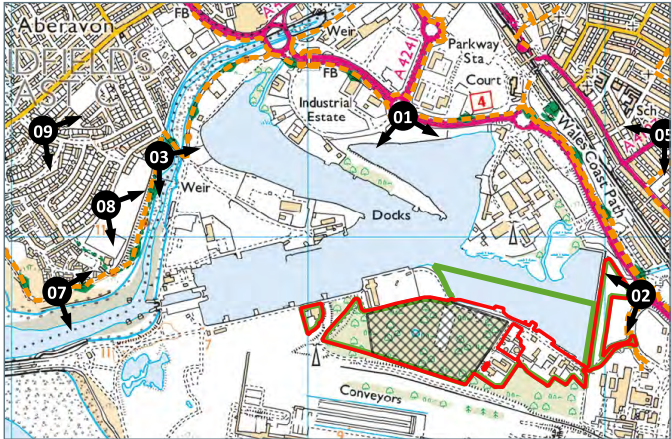
REPRESENTATIVE VIEWPOINT 8: View from Darwin Road, along the western edge of Little Warren Playing Fields

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 8: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
ENLARGEMENT FACTOR: 100% @ A3
DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 12:30 hrs
CAMERA MAKE & MODEL: Canon EOS 200D DSLR
CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-East

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Figure 8.9 – Summer Viewpoint Photography

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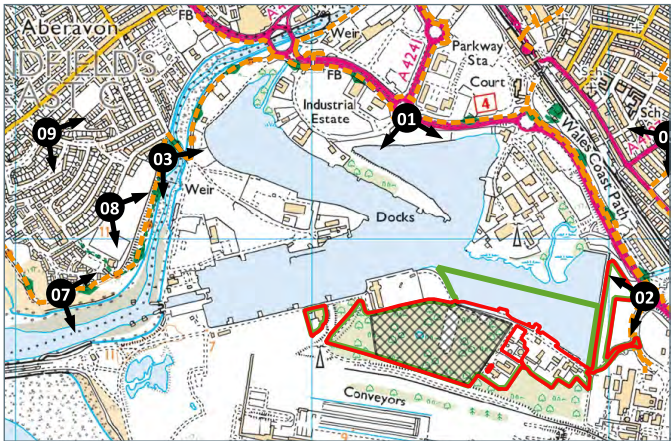
REPRESENTATIVE VIEWPOINT 9: View from Lake Road near junction with Burn's Road

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 9: FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
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CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-East

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REPRESENTATIVE VIEWPOINT 10 View from Cwmavon Road

Approximate extent of Production Development Zone



REPRESENTATIVE VIEWPOINT 10FOR WIDER CONTEXT ONLY

VIEWPOINT LOCATION



VIEWPOINT INFORMATION

VISUALISATION TYPE: Annotated viewpoint photograph (Type 1)
PROJECTION: Cylindrical (opposite page Planar)
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DATE/TIME OF CAPTURED PHOTOGRAPHY: 22/09/22 9:50 hrs
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CAMERA LENS: Canon APS-C standard - Cropped frame + 35mm lens
HORIZONTAL FIELD OF VIEW: 39.6°
DIRECTION OF VIEW: South-West

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Figure 8.9 – Summer Viewpoint Photography

PROJECT NUMBER:

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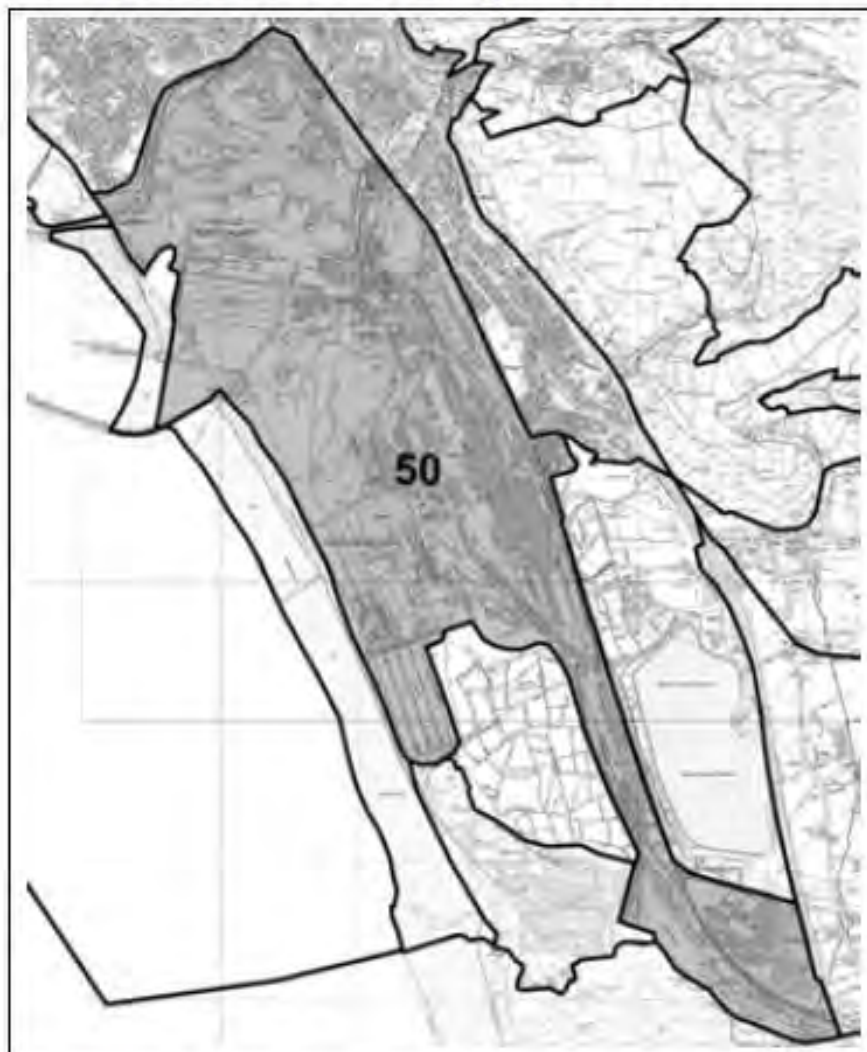
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**Appendix 4: Neath Port Talbot LANDMAP
Landscape Assessment – extract**

CHARACTER AREA 50

Port Talbot Docks & Margam Works



Location, Context and Physical Characteristics



This entirely industrial and port area is situated on the coastal margin of the Margam Moors in the south of the County Borough. It lies between approx 10m AOD and 20m AOD on a geology of marine alluvium fringed by a storm gravel beach.

Visual and Sensory Characteristics

Margam Works comprise of large scale heavy industry and Port Talbot docks, a deep water port. The latter having recently been reopened and once again accessed by shipping. The skyline is dominated by the steel works which acts as a significant landmark in the flat landscape. Smaller industrial units lie around the docks and next to the town centre. A network of railways, both passenger and industrial, cross the area including the main London to Swansea line, although there is no public access.

The docks within the area, although large in scale are fairly well hidden from public view. Access to the docks will be transformed with the construction of the pivotal link road which will cut through this area.

The area strong character of the area is dominated by overpowering and noisy heavy industry.

Vegetation and Habitat Characteristics

This area of industrial development sitting on former dunes and coastal grassland retains remnants of these habitats, providing a beneficial environment for; brown hare, lapwing and diverse plant species.

Historic Characteristics

During construction of the dock, pre Bronze Age artefacts were recovered representing the earliest activity in the area. A milestone, located to the north of the dock represents the Roman presence.

This was formally part of the holdings of the Cistercian Abbey of Margam during the medieval period and was predominantly agricultural. The area, characterised by low-lying enclosed wetland pasture set on a reclaimed salt marsh area were associated with post-medieval fields, with a typically varied field pattern, these are now either destroyed or buried beneath the industrial works.

The Aberavon Harbour Company was formed in 1834 to build a floating dock to serve the iron and copper industries of Cwmavon. In 1898 the modern docks were constructed and the steelworks by 1907. The dock equipment was hydraulically operated and a reservoir was built 4km to the southeast for this purpose. Iron ore replaced coal as the main traffic through the harbour and by 1972 a new deep-water dock was built for unloading large iron ore carriers.

Cultural Associations

Corus Abbey Steelworks are one of the few remaining steelworks in the UK. They dominate the society and economy of Port Talbot and surrounding urban areas, employing some 3-4000 people, and the seaward landscape visible from the adjacent communications corridor. Their presence has influenced the development of the area.

Key Characteristics

- Industrial area sited on coastal plain
- Dominance of steel works.
- Development of smaller commercial units.
- Docks constitute large expanse of water.

Evaluation

No	Character area	Visual and Sensory Aspect Areas	Geological Landscape Aspect Areas	Landscape Habitats Aspect Areas	Historic Landscape Aspect Areas	Cultural Landscape Aspect Areas
50	Margam works	62 - m	33 - m	63 - m	6	4 - o

Appendix 5: Listing for Margam Mountain Registered Historic Landscape

The Registered Landscapes of Outstanding and of Special Interest in Wales

Margam Mountain

RecordNumber: HLW (WGI/MGI) 2

Margam Mountain is a distinctive block of South Wales uplands on the south west fringe of the Glamorgan Blaenau, where they meet the Bro and overlook and visually dominate the narrow coastal plain near the modern port and industrial town of Port Talbot. From the coastal plain just above sea level, the flanks of the mountain rise steeply to a series of more gentle slopes and plateaux between 200m and 300m above OD, with local crests reaching over 300m above OD, the highest of which is Margam Mountain itself, at 344m above OD, in the centre of the area. The whole mountain is dissected and indented by several ravines and small wooded valleys or cwmoedd, each with a small stream rising in peat bogs near the crest. On the north east, the area is bounded by the valley of the Llynfi, a tributary of the River Ogmore, and on the north west by the small wooded valley of Cwm Dyffryn. The southern limit is bounded by Cwm Cynffig at the head of the River Kenfig, while the western limit coincides with the modern M4 motorway which more or less follows the edge of the coastal plain.

The historic landscape identified here is dominated by the steep southern flanks of Margam Mountain, a strategic location which controlled early routes to West Wales, including the main Roman road linking the Roman forts of Cardiff and Neath. Much of the area is now afforested, though archaeologically it benefited from the early landscape studies undertaken in the 1930s. The area displays continuity, density and diversity of human occupation. This was originally concentrated and scattered on the mountain itself, though recently it grew rapidly, forcing itself into the narrow confines of the coastal plain, where the natural topographical limitations and physical constraints at the junction of the Blaenau and Bro of Glamorgan allowed.

Situated above the originally densely wooded valley floors and lowland, yet accessible from the adjacent high ground, the mountain has been the focus of human activity from at least the Bronze Age, as attested by a number of single, and groups of, large cairns and barrows. The Iron Age is also well represented by an unusual concentration of distinctive hill forts, enclosures and habitation sites, and the trackways that connected them. Mynydd y Castell, Caer Cwm Philip and Y Bwlwarcau form a chain of strongholds defending the strategically important route corridor across the southern flanks of the mountain. However, the forts are equally well sited to exploit the extensive mountain pastures to the north, and indeed the complex layout and much lower defences at Y Bwlwarcau could suggest that the site's primary function was stock-raising rather than defence. The succeeding Roman period is attested by the route of the main Roman road, recorded in the 2nd-century Antonine Itinerary, and the discovery of two Roman milestones in the vicinity. Today, its course is probably preserved in the line of Water Street.

The early medieval period is well-represented by the suggested reoccupation of the hillforts and the 7th century Bodvoc Stone sited on a Bronze Age barrow on the mountain. To the south west, at Margam and Eglwys Nunnydd, there are important early religious associations. Here there is a concentration of religious sites and Early

Christian Inscribed Stone monuments, associated with an early Welsh monastic focus. This is attested by both the great Cistercian abbey at Margam, the richest monastic house in Wales, founded in 1147 on a site presumed to be on or near its predecessor; and also by an important church site at Eglwys Nunnydd, a dedication probably associated with St Non, the mother of St David, the Patron Saint of Wales. A major collection of Early Christian Inscribed Stones, ranging from the 6th to the 11th centuries, and found within or close to the area described here, is housed at the Margam Stones Museum next to the Abbey church.

Only part of the Abbey church and fragments of neighbouring buildings survive of this once great establishment — the entire area described here lay within the Abbey's granges. After the Dissolution, much of the Abbey property was acquired by Sir Rice Mansel and remained in the family until 1942. The family's residence was based on the Abbey's domestic ranges, which were added to and altered in a variety of building styles by successive generations. The house was demolished in the late 18th century and a new mansion, Margam Castle, was built in the 1830s. During the last two centuries, the main attractions at Margam have been the magnificent Georgian orangery, built in 1787–90 to provide a repository for an ancient and famous collection of citrus trees, and the surrounding pleasure gardens which were developed mainly in the 19th century. The house and gardens are set in a large walled park which originated in the Tudor period. After a period of neglect, Margam Park was eventually acquired in 1974 by the former West Glamorgan County Council, which began an extensive programme of restoration and rehabilitation.

The continuity of the military significance of the area is demonstrated by the medieval castle of Llangynwyd in the east of the area, the administrative centre of Tir Iarll (Earl's Land), a lordship of the lords of Glamorgan, and also more recently, on the southern crest of Margam Mountain, by the Graig Fawr Chain Home Low Radar Site, constructed as part of the Second World War defensive measures. Dominating prospects to the south west, and outside the area currently described here, are the colossal Margam Abbey Steel Works and the Port Talbot area. They represent an example of a new landscape in complete visual contrast with, and out of all proportion to, the earlier, adjacent, more subtly grafted landscape described here.

Appendix 6: Verified Visualisations and Methodology Prepared by Ocean CGI

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