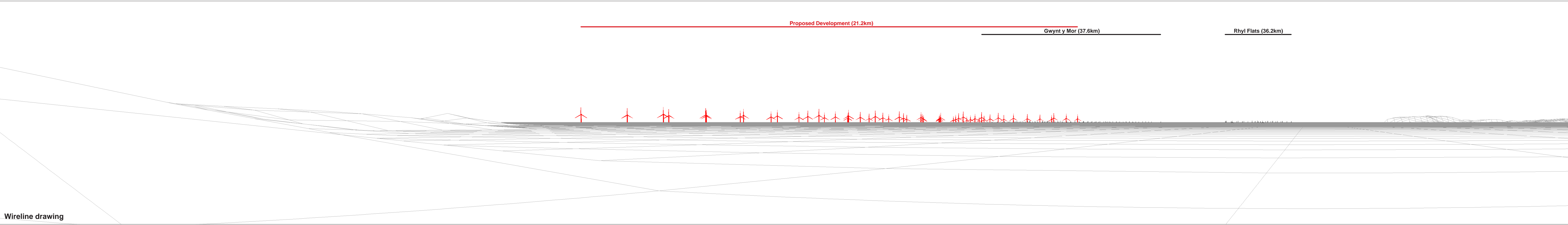
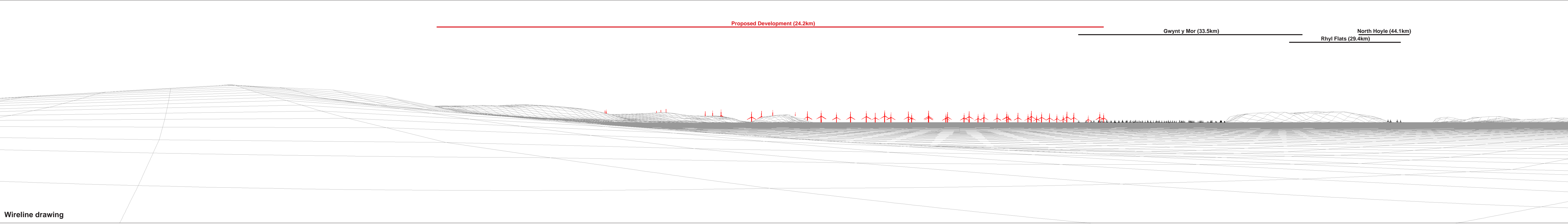


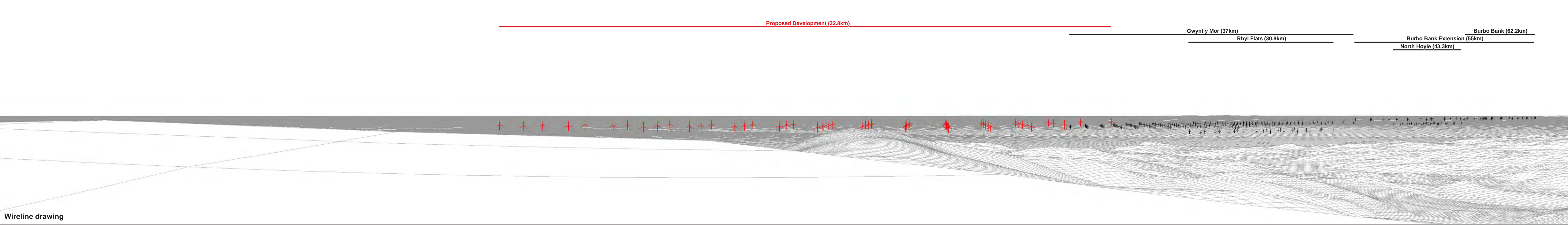
Appendix A SLVIA Wirelines



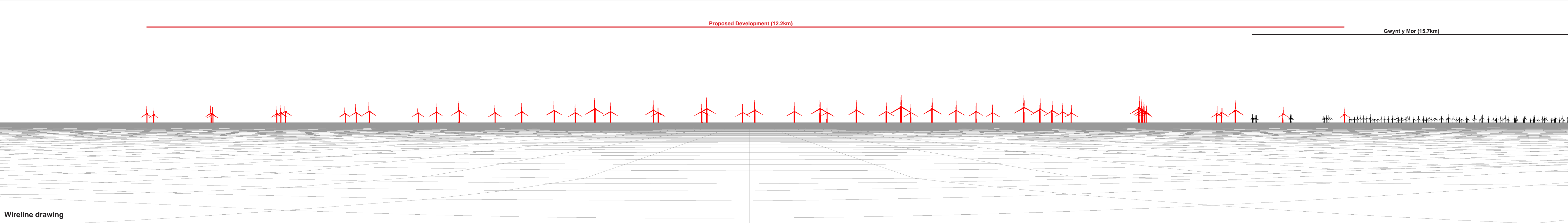
OS reference:	251451 E 386378 N	Horizontal field of view:	90° (cylindrical projection)	Preliminary Viewpoint 4 Moelfre Headland
Eye level:	13.5m AOD	Principal distance	522 mm	
Direction of view:	60°			
Nearest turbine:	21.2km			



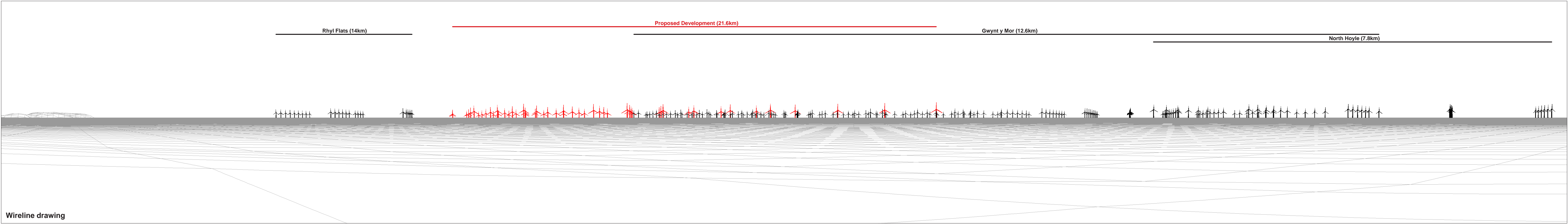
OS reference:	260881 E 376132 N	Horizontal field of view:	90° (cylindrical projection)	Preliminary Viewpoint 8 Beaumaris
Eye level:	5.1m AOD	Principal distance	522 mm	
Direction of view:	35°			
Nearest turbine:	24.2km			



OS reference:	268330 E 364407 N	Horizontal field of view:	90° (cylindrical projection)	Preliminary Viewpoint 10 Carnedd Llewelyn
Eye level:	1057.8m AOD	Principal distance	522 mm	
Direction of view:	15°			
Nearest turbine:	32.8km			



OS reference:	280020 E 382180 N	Horizontal field of view:	90° (cylindrical projection)	Preliminary Viewpoint 18 Llandudno; Paddling Pool
Eye level:	3.5m AOD	Principal distance	522 mm	
Direction of view:	2°			
Nearest turbine:	12.2km			



Wireline drawing

OS reference:	306235 E 383835 N	Horizontal field of view:	90° (cylindrical projection)	Preliminary Viewpoint 25 Prestatyn Nova Center
Eye level:	2.5m AOD	Principal distance	522 mm	
Direction of view:	311°			
Nearest turbine:	21.6km			

Appendix B Gazetteer of the UKHO wrecks, obstructions and foul ground

UKHO NO.	PERIOD	DESCRIPTION	LONGITUDE	LATITUDE
7504	Unknown	Unknown wreck - yacht	-3.51332	53.32903
8207	Unknown	Unknown wreck – steam ship	-3.94262	53.38747
8243	Unknown	Unknown wreck	-3.511	53.3199
8244	Unknown	Unknown wreck	-3.95873	53.39525
8245	Unknown	Unknown wreck	-3.95957	53.4022
8143	Unknown	Unknown wreck	-3.6071	53.30305
8141	Unknown	Unknown wreck	-3.67793	53.35915
8142	Unknown	Unknown wreck	-3.63515	53.31637
N/A	Unknown	Unknown wreck	-3.5015	53.33385
7538	WWII	CALCIUM (POSSIBLY)	-3.75125	53.41692
7510	20th century	FOUR BROTHERS (POSSIBLY)	-3.57378	53.35387
7516	WWII	GHAMBIRA	-3.99345	53.38137
7506	Post-medieval	GUARDIAN ANGEL	-3.59017	53.33915
8318	Post WWII	HORIZON (POSSIBLY)	-3.78082	53.40903
7514	WWII	PENRHOS (PROBABLY)	-3.69653	53.38358
8266	Post WWII	RHOS ANNA	-3.51225	53.32957
7502	20th century	RHOS NEIGR	-3.73375	53.31693
57247	Post WWII	VIKING (PROBABLY)	-3.51332	53.32905
8238	Post-medieval	VINE (POSSIBLY)	-3.74208	53.36053
7671	Unknown	Unknown wreck	-3.849583	53.483567
8124	Post-medieval	ALBANIAN	-3.8968	53.482467
7620	Post-medieval	CHACABUCO (POSSIBLY)	-3.792367	53.46135

UKHO NO.	PERIOD	DESCRIPTION	LONGITUDE	LATITUDE
OBSTRUCTIONS				
8240	Unknown	Unknown	-3.520317	53.319967
8270	Unknown	Unknown	-3.571283	53.371083
8174	Unknown	BLANCH HEBE	-3.530733	53.330267
N/A	Unknown	Obstruction	-3.57128	53.37108
N/A	Unknown	Obstruction	-3.53073	53.33027
N/A	Unknown	Obstruction	-3.72635	53.37567
N/A	Unknown	Obstruction	-3.52032	53.31997
N/A	Unknown	Obstruction	-3.71045	53.30058

Appendix C Gazetteer of NMRW wrecks, intertidal sites and palaeolandscapes

NPRN NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
WRECK SITES				
271537	Post-medieval	CURLEW	277975	397965
274877	Post-medieval	FERDINANDE	287541	398992
506873	Post-medieval	UNNAMED WRECK	277365	400132
271628	20th century	BONNY	299299	381432
271454	20th century	CITY OF VERVIERS	291435	378789
271453	20th century	DOON	290527	378743
271386	20th century	FEARLESS	299608	382171
271456	20th century	FLATFISH	288070	378889
271451	20th century	LLYSFAEN	294000	379002
271452	20th century	PRINCESS	284948	380477
271455	20th century	PROGRESS	294488	379043
271644	20th century	SAMUEL	284572	391617
524837	Post-medieval	ALBION	300039	381533
271369	Post-medieval	ANN	297346	380761
524875	Post-medieval	ANN	284442	380120
544282	Post-medieval	ANT	294214	378726
515976	Post-medieval	ANTARES	284411	380324
271293	Post-medieval	BETSEY	284774	379903
271450	Post-medieval	CONWAY'S PRIDE	291898	378623
240961	Post-medieval	CYRUS	297883	380638
240578	Post-medieval	DIDO C	292063	381780
240576	Post-medieval	EAGLE	291790	378536

NPRN NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
525143	Post-medieval	EAGLE	292485	378428
271368	Post-medieval	ENDEAVOUR	293607	378684
518558	Post-medieval	FLINT	306465	384362
271370	Post-medieval	FRIENDS	306060	384320
240100	Post-medieval	GLORY	284163	386265
271519	Post-medieval	GOMER	270696	387400
524863	Post-medieval	GOOD INTENT	299951	381851
519089	Post-medieval	HECLA	290871	378767
515977	Post-medieval	HOPEWELL	284415	380223
271449	Post-medieval	JAMESON	283840	381539
240570	Post-medieval	JANE	300126	386511
240573	Post-medieval	JANE AND MARY	299515	382162
524878	Post-medieval	JANE AND MARY	299831	381543
271737	Post-medieval	MARGARET	297679	380465
271567	Post-medieval	MARY ANN	284567	380720
240063	Post-medieval	MARY CATHERINE	284588	380230
525228	Post-medieval	MAYFLOWER	300892	382244
506957	Post-medieval	MERMAID	270901	389606
271166	Post-medieval	MONA	271102	389838
271555	Post-medieval	NEWHAVEN	290093	378709
271731	Post-medieval	NO.4 PILOT BOAT	292681	378438
271362	Post-medieval	OCEAN QUEEN	289832	378648
525287	Post-medieval	ORIENTAL	299451	381920
271434	Post-medieval	PAT JOHN NUGENT	300000	384000
271679	Post-medieval	PILOT	284481	379932

NPRN NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
240777	Post-medieval	PROPELLOR FIND, PENRHYN BAY	282717	381678
271527	Post-medieval	RAVEN	300529	381907
240087	Post-medieval	RECOVERED RUDDER, RHOS ON SEA	284344	380581
271683	Post-medieval	RESOLUTION	281999	382553
240577	Post-medieval	RICHARD	289684	378629
271629	Post-medieval	ROSE	291166	381185
240775	Post-medieval	RUDDER, RHOS ON SEA	283331	381430
271558	Post-medieval	SAINT OLAF	302468	382901
525214	Post-medieval	SARAH	300546	381805
515925	Post-medieval	SCOTIA	284412	380368
271448	Post-medieval	SCOTIAN	282965	381717
271431	Post-medieval	SIR PEREGRINE	300272	381756
271502	Post-medieval	SPEEDWELL	275132	388261
271568	Post-medieval	TEMPLE	299387	385247
271590	Post-medieval	THOMAS	292674	378449
240907	Post-medieval	THREE RECOVERED ANCHORS	284245	380628
271503	Post-medieval	TRITON	288000	381002
506954	Post-medieval	UNNAMED WRECK	288429	386010
506951	Post-medieval	UNNAMED WRECK	298824	381416
506950	Post-medieval	UNNAMED WRECK	299445	381395
506854	Post-medieval	UNNAMED WRECK	269819	391275
240068	Post-medieval	UNNAMED WRECK	284684	380039
240917	Post-medieval	UNNAMED WRECK	276120	388113
271598	Post-medieval	WILLIAM	298019	380780

NPRN NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
271374	Post-medieval	WILLIAM HENRY	300133	382405

AIRCRAFT CRASH SITES

515447	WWII	HAWKER HENLEY III L3284	299208	381545
515607	WWII	BOULTON PAUL DEFIANT I N1770	300595	382522
515527	WWII	DE HAVILLAND QUEEN BEE P4795	297260	382343
515413	WWII	MILES MARTINET I JN294	305978	384912
515891	WWII	SUPERMARINE SPITFIRE I X4653	300998	384289
515446	WWII	HAWKER HENLEY III L3312	296858	382853
515851	WWII	SUPERMARINE SPITFIRE I K9994	305566	383929
515475	WWII	ARMSTRONG WHITWORTH WHITLEY V BD204	300782	382558
515887	WWII	SUPERMARINE SPITFIRE I X4425	290782	378815
515831	WWII	DE HAVILLAND MOSQUITO VI HX863	299184	384495
515805	WWII	AVRO ANSON I EG447	293322	382330
515388	WWII	BRISTOL BEAUFORT I AW351	286115	380227
515742	WWII	DE HAVILLAND QUEEN BEE V4746	295739	383167
515564	WWII	SUPERMARINE SPITFIRE IIA P7692	305788	384047

NPRN NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
515454	WWII	AIRSPEED OXFORD I L4656	282001	385570
515750	WWII	DE HAVILLAND QUEEN BEE V4763	296703	382189
515745	WWII	DE HAVILLAND QUEEN BEE V4753	296040	381702
515449	WWII	HAWKER HENLEY III L3325	297728	383992
240088	WWII	AVRO ANSON	295555	387176

INTERTIDAL SITES

301217	Post-medieval	RHOS ON SEA FISH TRAP	284570	380370
518193	Post-medieval	PENRHYN BAY FISH TRAP	283031	381749
525003	Post-medieval	FISH TRAP, PENRHYN BAY	282673	381722
303159	Medieval	ROYAL FISHING WEIR (FISH TRAP), RHOS FYNACH	284514	381225
524773	Mesolithic	ARTEFACT SCATTER, SUBMERGED FOREST - RHYL	299590	381409
524722	Mesolithic	FINDSPOT, SUBMERGED FOREST - ABERGELE	294422	378805
524772	Mesolithic	SUBMERGED FOREST – RHOS-ON-SEA	284456	380040
34228	Post-medieval	RHOS PIER, RHOS-ON- SEA	284314	380814
34227	Post-medieval	VICTORIA PIER AND PAVILION, COLWYN BAY	285275	379220
308563	Post-medieval	AFON GANOL TIDAL GATES, PENRHYN BAY	282960	381560

NPRN NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
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SUBMERGED PALAEOLANDSCAPES				
518441	Palaeolithic	LIVERPOOL BAY PALAEOLANDSCAPES FLOOD PLAIN	277371	398727
516113	Mesolithic, Palaeolithic	LIVERPOOL BAY PALAEOLANDSCAPES BASIN	289928	399970
516106	Mesolithic, Palaeolithic	LIVERPOOL BAY PALAEOLANDSCAPES HOLOCENE DELTIAC SYSTEM	273423	397746
516114	Mesolithic	LIVERPOOL BAY PALAEOLANDSCAPES	277247	400227

Appendix D Gazetteer of CPAT wrecks and intertidal sites

CPAT NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
WRECK SITES				
64176	Post-medieval	Kinmel Bay Wreck 7504	119021	299312
64184	Post-medieval	Kinmel Bay Wreck 8240	119025	298825
64185	Post-medieval	Kinmel Bay Wreck 8243	50526	299445
164090	Post-medieval	Pensarn, wreck	160899	294041
34881	Post-medieval	<i>Resurgam</i> submarine wreck	119148	300000
INTERTIDAL SITES				
122112	Bronze Age	A copper alloy Early Bronze Age flat axe (c. 2150-1500 B.C.), possibly of the Migdale type, made using an open cast technique. The axe is sub-rectangular in shape with a square butt end that is substantially corroded and incomplete. The axe is generally	286900	378800
58792	Medieval	Watching brief in 1995 in advance of new water mains did not reveal any features of archaeological importance other than a few sherds of possible medieval pottery. Palaeoenvironmental samples were taken for analysis (Earthworks 1996).	284300	380900
122111	Medieval	Cast copper alloy dagger guard dating to the Medieval period. The object is lentoid shaped in plan	286900	378800

CPAT NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
		with a central rectangular section and a rounded projection at either side. There is a central sub-rectangular slot for the blade tang.		
57731	Medieval	Watching brief in 1995 in advance of new water mains did not reveal any features of archaeological importance other than a few sherds of possible medieval pottery. Palaeoenvironmental samples were taken for analysis (Earthworks 1996).	284300	380900
33099	Mesolithic	Perforated antler mattock found near Splash Point, Rhyl. Now in NMW (47.101.4).	302000	382500
141424	Modern	An unidentified object of possible modern date. The object consists of a curved sub-oval piece of wood, one edge of which has been covered in copper alloy. The wood is cracked and frayed due to drying out and the copper alloy encrusted and corroded.	302500	382600
34206	Modern	Jetty	289650	378600
34279	Modern	Remains of a jetty consisting of paired timbers 4.1m apart with 3.5m between pairs. Probably associated with quarry, with possible incline leading to it.	290150	378650
34205	Modern	Jetty	288650	378650
34208	Modern	Pier	300650	381850
100457	Neolithic	A broken stone axe probably of Craig Lwyd stone found on the beach at Colwyn Bay. Now in St Asaph Cathedral Museum (?):	286000	379000

CPAT NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
		listed by NMW as their accession number 44.315/2.		
100506	Neolithic	A stone tranchet or chisel of green stone found on the old ground surface on the beach at Rhos-on-Sea.	284300	380700
122728	Post-medieval	An incomplete finger ring of probable post-medieval date. The ring has an oval expanded bezel and broad shoulders.	298917	381019
122767	Post-medieval	A lead alloy musket ball dating from the Post-Medieval period, (1500-1800). The object is spherical and weighs 5.8g.	299148	381285
119275	Post-medieval	16th - 17th Century Post Medieval Coin Hoard.	284410	380180
34203	Post-medieval	Paired timbers of former jetty, shown on 1st edition OS, and probably associated with Penmaenrhos Quarry.	287900	378800
106402	Post-medieval	Stretch of stones visible at low tide, which may be a possible causeway. Composed of angular stones (max. size about 30-40cms.) stretch of stones measured approximately 5-8m across and a stretch 15 in length was visible. Disappeared into the rising beach.	301900	382500
100485	Prehistoric	Anvil stone of large granite pebble with a ground out circular hollow on one face. Found on old ground surface on the beach at Abergele.	294450	378870
122110	Roman	Copper alloy radiate of Probus, (276-282AD).	286900	378800

CPAT NO.	PERIOD	DESCRIPTION	EASTING	NORTHING
122113	Roman	A cast copper alloy Roman trumpet brooch, dating to c. 1st - 2nd centuries AD. The trumpet brooch has a typical oval head shape, the pin and spring are missing and the catchplate is incomplete.	286900	378800
106447	Roman	A small copper or bronze brooch, probably of late 1st century/early 2nd century date, found on the beach at Rhos-on-Sea.	284260	380220
122108	Roman	Copper alloy radiate of Carausius, (287-293AD).	286900	378800
122109	Roman	Copper alloy radiate of Carausius, (287-293AD).	286900	378800
122107	Roman	Copper alloy sestertius of Hadrian (117-138AD).	286900	378800
123322	Unknown	A series of wooden posts set in roughly parallel short trenches filled with stone. At least three trenches set roughly at right angles about a common axis.	302050	382470
122769	Unknown	A copper alloy wire finger ring of uncertain date. The object consists of two strips of wire which is bent round to form the band and then the ends overlap and curl around the band forming two slip knots.	298559	380905

Appendix E Nature Conservation Designations with relevance to Awel y Môr OWF

SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
INTERNATIONAL		
Liverpool Bay SPA	42m	<p>The site qualifies under Article 4.1 of the Birds Directive (2009/147/EC) as it is used regularly by 1% or more of the Great Britain populations of the following species listed in Annex I of the Birds Directive in any season:</p> <ul style="list-style-type: none"> ▪ Red-throated diver <i>Gavia stellata</i> (non-breeding); ▪ Little gull <i>Hydrocoloeus minutus</i> (non-breeding); ▪ Little tern (breeding); and ▪ Common tern <i>Sterna hirundo</i> (breeding). <p>The site qualifies under Article 4.2 of the Directive (79/409/EEC) as it is used regularly by 1% or more of the biogeographical populations of the following regularly occurring migratory species (other than those listed in Annex I) in any season:</p> <p>Common scoter <i>Melanitta nigra</i> (non-breeding).</p>



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
Coedwigoedd Dyffryn Elwy SAC Elwy Valley Woods SAC	Within the Awel y Môr OWF onshore ECR search area	Annex I habitats that are a primary reason for selection of this site: <ul style="list-style-type: none"> ▪ Tilio-Acerion forests of slopes, screes and ravines * Priority feature.
Y Fenai a Bae Conwy / Menai Strait and Conwy Bay SAC	207m	Annex I habitats that are a primary reason for selection of this site: <ul style="list-style-type: none"> ▪ Sandbanks which are slightly covered by sea water all the time; ▪ Mudflats and sandflats not covered by seawater at low tide; and ▪ Reefs. Annex I habitats present as a qualifying feature, but not a primary reason for selection of this site: <ul style="list-style-type: none"> ▪ Large shallow inlets and bays; and ▪ Submerged or partially submerged sea caves.
Great Orme's Head/Pen y Gogarth SAC	3.75km	Annex I habitats that are a primary reason for selection of this site: <ul style="list-style-type: none"> ▪ European dry heaths; and



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> ▪ Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites). <p>Annex I habitats present as a qualifying feature, but not a primary reason for selection of this site:</p> <ul style="list-style-type: none"> ▪ Vegetated sea cliffs of the Atlantic and Baltic Coasts.
Coedwigoedd Creuddyn Penrhyn/ Creddyn Peninsula Woods SAC	130m	<p>Annex I habitats that are a primary reason for selection of this site:</p> <ul style="list-style-type: none"> ▪ Tilio-Acerion forests of slopes, screes and ravines * Priority feature. <p>Annex I habitats present as a qualifying feature, but not a primary reason for selection of this site:</p> <ul style="list-style-type: none"> ▪ Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites); and ▪ <i>Taxus baccata</i> woods of the British Isles * Priority feature.
Llwyn SAC	7.69km	<p>Annex I habitats that are a primary reason for selection of this site:</p>



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (Alno-Padion, Alnion incanae, Salicion albae) * Priority feature.
Dee Estuary/Aber Dyfrdwy SAC	Adjacent to Awel y Môr OWF onshore ECR search area	<p>Annex I habitats that are a primary reason for selection of this site:</p> <ul style="list-style-type: none"> Mudflats and sandflats not covered by seawater at low tide; Salicornia and other annuals colonizing mud and sand; and Atlantic salt meadows (Glauco-Puccinellietalia maritimae). <p>Annex I habitats present as a qualifying feature, but not a primary reason for selection of this site:</p> <ul style="list-style-type: none"> Estuaries; Annual vegetation of drift lines; Vegetated sea cliffs of the Atlantic and Baltic Coasts; Embryonic shifting dunes; "Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")";



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> ▪ "Fixed coastal dunes with herbaceous vegetation ("grey dunes")" * Priority feature; and ▪ Humid dune slacks. <p>Annex II species present as a qualifying feature, but not a primary reason for site selection</p> <ul style="list-style-type: none"> ▪ Sea lamprey <i>Petromyzon marinus</i>; ▪ River lamprey <i>Lampetra fluviatilis</i>; and ▪ Petalwort <i>Petalophyllum ralfsii</i>.
Dee Estuary SPA	Adjacent to Awel y Môr OWF onshore ECR search area	<p>This site qualifies under Article 4.1 of the Directive (79/409/EEC) by supporting populations of European importance of the following species listed on Annex I of the Directive:</p> <p>During the breeding season;</p> <ul style="list-style-type: none"> ▪ Common Tern; and ▪ Little Tern. <p>On passage;</p> <ul style="list-style-type: none"> ▪ Sandwich Tern <i>Sterna sandvicensis</i>. <p>Over winter;</p>



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> Bar-tailed Godwit <i>Limosa lapponica</i>. <p>This site also qualifies under Article 4.2 of the Directive (79/409/EEC) by supporting populations of European importance of the following migratory species:</p> <p>On passage;</p> <ul style="list-style-type: none"> Redshank <i>Tringa totanus</i>. <p>Over winter;</p> <ul style="list-style-type: none"> Black-tailed Godwit <i>Limosa limosa islandica</i>; Curlew <i>Numenius arquata</i>; Dunlin <i>Calidris alpina alpina</i>; Grey Plover <i>Pluvialis squatarola</i>; Knot <i>Calidris canutus</i>; Oystercatcher <i>Haematopus ostralegus</i>; Pintail <i>Anas acuta</i>; Redshank; Shelduck <i>Tadorna tadorna</i>; Teal <i>Anas crecca</i>; and



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> Assemblage qualification: A wetland of international importance. <p>The area qualifies under Article 4.2 of the Directive (79/409/EEC) by regularly supporting at least 20,000 waterfowl:</p> <ul style="list-style-type: none"> Over winter, the area regularly supports 130,408 individual waterfowl.
Dee Estuary Ramsar	Adjacent to Awel y Môr OWF onshore ECR search area	<p>The site qualifies under Ramsar Criteria 1, 2, 5 and 6 as follows:</p> <p>Criterion 1 - Extensive intertidal mud and sand flats (20 km by 9 km) with large expanses of saltmarsh towards the head of the estuary.</p> <p>Criterion 2 - It supports breeding colonies of the vulnerable natterjack toad.</p> <p>Criterion 5 - Assemblages of international importance:</p>



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<p>Species with peak counts in winter:</p> <p>Non-breeding season regularly supports 120,726 individual waterbirds.</p> <p>Criterion 6 - species/populations occurring at levels of international importance.</p> <p>Qualifying Species/populations (as identified at designation):</p> <p>Species with peak counts in spring/autumn:</p> <ul style="list-style-type: none"> ▪ Redshank. <p>Species with peak counts in winter:</p> <ul style="list-style-type: none"> ▪ Teal; ▪ Shelduck; ▪ Oystercatcher; ▪ Curlew; ▪ Pintail; ▪ Grey plover;



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> ▪ Knot; ▪ Dunlin; ▪ Black-tailed godwit; ▪ Bar-tailed godwit; <i>and</i> ▪ Redshank.
NATIONAL		
Traeth Pensarn SSSI	Within the Awel y Môr OWF onshore ECR search area	Traeth Pensarn is of special botanical interest for its vegetated shingle beach plant communities.
Coed y Gopa SSSI	Within the Awel y Môr OWF onshore ECR search area	This site is notified for its species interest, a winter roost of lesser horseshoe bat <i>Rhinolophus hipposideros</i> .
Llanddulas Limestone and Gwyrch Castle Wood SSSI	Within the Awel y Môr OWF onshore ECR search area	Llanddulas Limestone and Gwyrch Castle Wood is of special interest for limestone (calcareous) grassland, heath and woodland communities, as well as its populations of vascular plants; bryophytes; butterflies; moths and a winter roost of lesser horseshoe bat.
Mynydd Marian SSSI	Within the Awel y Môr OWF onshore ECR search area	Mynydd Marian is of special interest for its range of limestone (calcareous) grassland communities as well as its population of the dwarf race of silver studded blue butterfly <i>Plebejus argus ssp. caernensis</i> .



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
<p>Coedydd ac Ogofau Elwy a Meirchion SSSI</p> <p>Elwy and Meirchion Woods and Caves SSSI</p>	<p>Within the Awel y Môr OWF onshore ECR search area</p>	<p>The site is of special interest for its semi-natural broadleaved woodland, its rare flowering plant assemblage, its scarce bryophyte assemblage and the geological and palaeontological interest of Galltfaenan, Cefn and Pontnewydd Caves.</p>
<p>Bryn Euryr SSSI</p>	<p>Within the Awel y Môr OWF onshore ECR search area</p>	<p>The site is of special interest for its limestone grassland which supports populations of the Nationally Scarce vascular plants: hoary rock-rose <i>Helianthemum oelandicum</i>, white horehound <i>Marrubium vulgare</i>, Nottingham catchfly <i>Silene nutans</i> and ivy broomrape <i>Orobanche hederæ</i>.</p>
<p>Creigiau Rhiwledyn/Little Ormes Head SSSI</p>	<p>223m</p>	<ul style="list-style-type: none"> ▪ The site has five important features: ▪ Carboniferous limestone exposed in disused quarries and coastal cliffs; ▪ Rich communities of plants, including nationally scarce species, which are associated with the limestone substrate of the headland; ▪ A rare assemblage of lichens; ▪ A nationally important cormorant breeding colony; and



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> A diverse range of specialised and nationally important intertidal habitats and species.
Creuddyn SSSI	133m	Creuddyn is of special interest for its botanical and entomological features; semi-natural woodland, calcareous grassland, rare vascular plant assemblage including spiked speedwell <i>Veronica spicata</i> and grassland invertebrate assemblage.
Dee Estuary/Aber Dyfrydwy SSSI	740m	The Dee Estuary/Aber Afon Dyfrdwy is of special interest for its total populations of internationally important wintering waterfowl; its populations of individual waterfowl and tern species whose numbers reach national and in some cases, internationally important levels; its intertidal mud and sandflats, saltmarsh and transitional habitats; the hard rocky sandstone cliffs of Hilbre Island and Middle Eye with their cliff vegetation and maritime heathland and grassland; its assemblage of nationally scarce plants; and its populations of sandhill rustic moth <i>Luperina nickerlii gueneei</i> , a Red Data Book species.
Graig Fawr SSSI	Adjacet to Awel y Môr OWF onshore ECR search area	<ul style="list-style-type: none"> This site has three special features: Limestone grassland;



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> ▪ Populations of the Nationally Scarce vascular plants; ▪ Spiked speedwell; ▪ Dark-red helleborine <i>Epipactis atrorubens</i>; ▪ Hoary rock-rose; ▪ Spring sandwort <i>Minuartia verna</i>; ▪ Nottingham catchfly; ▪ Spring cinquefoil <i>Potentilla neumanniana</i>; ▪ White horehound; and ▪ Dwarf mouse-ear <i>Cerastium pumilum</i>. ▪ Population of the silver-studded blue butterfly.
Gronant Dunes and Talacre Warren SSSI	Adjacent to Awel y Môr OWF onshore ECR search area	<p>Gronant Dunes and Talacre Warren SSSI is of special interest for botanical, entomological and ornithological reasons;</p> <ul style="list-style-type: none"> ▪ A range of intertidal communities; ▪ A range of strandline, foredune and mobile sand dune communities; ▪ Areas of semi-fixed/fixed sand dune grassland communities;



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
		<ul style="list-style-type: none"> ▪ Areas of dune slacks; ▪ Areas of salt marsh and transitions to swamp and reedbeds; ▪ Birds; ▪ An assemblage of higher plants; ▪ An assemblage of bryophytes; ▪ An assemblage of invertebrate species; and ▪ An assemblage of dune fungal species.
Llyn y Fawnog SSSI	634m	The site is of special interest for its mosaic of open water, fen, swamp, marshy grassland and wet woodland.
Maes Hiraddug SSSI	61m	The site is of special interest for its unimproved neutral grassland.
Moel Hiraddug a Bryn Gop SSSI	142m	The site is of special interest for its geology, its calcicolous grasslands, assemblages of nationally rare and scarce vascular and non-vascular plant species and four individually qualifying higher plant species, namely hoary rock rose, dark red helleborine, green-winged orchid <i>Anacamptis morio</i> , and autumn ladies-tresses <i>Spiranthes spiralis</i> .



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
Prestatyn Hillside SSSI	374m	<p>Prestatyn Hillside SSSI has three special features:</p> <ul style="list-style-type: none"> ▪ Semi-natural broadleaved woodland; ▪ Calcareous grassland; and ▪ Rare plants - populations of hoary rock-rose, spring cinquefoil and a whitebeam <i>Sorbus</i> species.
Teilia Quarry SSSI	1.48km	The site is of special interest for its Palaeozoic plant fossils found in rocks exposed in a disused quarry.
LOCAL		
Bryn Euryn LNR	Within the Awel y Môr OWF onshore ECR search area	Bryn Euryn is a prominent limestone hill overlooking Rhos on Sea. It is a rich mixture of grassland and woodland, part of it being a Site of Special Scientific Interest.
Pwllcrochan LNR	Within the Awel y Môr OWF onshore ECR search area	This woodland stretches across the slopes behind the town of Colwyn Bay. The wood is almost entirely deciduous with a variety of native trees and exotic species such as sweet chestnut and firs.
Nant y Groes LNR (formerly Upper Dingle Woods LNR)	Within the Awel y Môr OWF onshore ECR search area	This small broadleaved woodland in Colwyn Bay is situated close to Pwllcrochan Woods Local Nature Reserve.



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
Fairy Glen LNR	Within the Awel y Môr OWF onshore ECR search area	Fairy Glen is a wooded dingle following the course of the Afon Colwyn into the heart of Old Colwyn. Many improvements have been carried out there recently and the path network includes the North Wales Path.
Mynydd Marian LNR	Within the Awel y Môr OWF onshore ECR search area	Refer to SSSI description above.
Kinmel Dunes LNR	Within the Awel y Môr OWF onshore ECR search area	Kinmel Dunes is one of the few surviving fragments of sand dune in the locality. This small sand dune system is home to a variety of native maritime plants. Seals can sometimes be seen close to the shore and bird life includes the skylark, kestrel and ringed plover.
Brickfields Pond LNR	Within the Awel y Môr OWF onshore ECR search area	Brickfield Pond, set in west Rhyl, is a local nature reserve popular for a range of recreational activities, including a 1km circular route of the pond. The site was once a clay pit, which was later filled in to create the Brickfield Pond we see today.
Rhuddlan Pond LNR	Within the Awel y Môr OWF onshore ECR search area	Rhuddlan Nature Reserve is an accessible reserve including ponds and meadows.
Gronant Dunes LNR	Adjacent to Awel y Môr OWF onshore ECR search area	No information available.



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
117LWS: names are as follows:	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
97/91: Moelfre Isaf Heath	As above	As above
88/12: Rhos-on-sea Links Pools	As above	As above
88/2: Royal Fishing Weir	As above	As above
88/1: Coed Rhos Fossil Woodland	As above	As above
97/17: Pentre Mawr Park Pools & Reedbed	As above	As above
87/6: Honeysuckle Lane Meadow	As above	As above
98/2: Foryd Dunes (Horton's Nose)	As above	As above
98/3: Foryd Junction Grassland	As above	As above
98/4: Foryd coastal strip	As above	As above
97/67: Afon Clwyd Saltmarsh	As above	As above
98/5: Foryd coastal strip	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
87/18: Marian Canol	As above	As above



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
87/32: Bwlch-y-Gwynt Road	As above	As above
97/53: Bryn Plas Uchaf	As above	As above
87/25: Trawscoed	As above	As above
97/105b: Llanddulas limestone (formerly Rhyd y foel)	As above	As above
87/20: Coed-y-Glyn	As above	As above
87/8: Bryn y Glyn	As above	As above
87/61: Nant yr Efail	As above	As above
87/60: Nant-y-Ffynnon	As above	As above
87/76a: Coed Sempyr	As above	As above
87/59: Glyn Farm	As above	As above
87/7: Pwllcrochan Woods	As above	As above
87/77: Upper Dingle Woods	As above	As above
87/23: Nant Ddu	As above	As above
87/17: Twynan Uchaf Dingle	As above	As above



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
87/15: Plas Uchaf (Plas Lanelian) Wood	As above	As above
97/92: Moelfre Isaf heath fragments	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
97/3: Coed Peniarth Fawr	As above	As above
97/4: Coed Ty Brith	As above	As above
97/61: Llyn Brynffanigi Uchaf	As above	As above
97/54: Llyn Tyddyn Uchaf	As above	As above
97/110: Abergele Golf Course 1	As above	As above
97/106: Abergele Golf Course 3	As above	As above
97/108: Abergele Golf Course 2	As above	As above
97/40: Hen Wrych Pond	As above	As above
97/107: Abergele Golf Course 4	As above	As above
97/111: Tan-yr-ogof Farm	As above	As above
97/39: St Cynbryd's Church Verge	As above	As above
87/28: Isallt crags and Bryn Gwylan	As above	As above



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
87/26: Clobryn Road verge	As above	As above
87/29: Gloddaeth Hay Meadows	As above	As above
87/14: Coed yr Odyn / Coed Mawr / Coed Bryn Lys	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
87/33: Coed Pebi Wetland	As above	As above
97/44: Nant Glyd	As above	As above
97/50: Ffordd Llindir	As above	As above
97/95: Tan y mynydd	As above	As above
97/85: Pwll Fardre	As above	As above
97/28: Coed Parc y Meirch / Coed Ty Croes	As above	As above
97/31: Coed Bodtegwal	As above	As above
97/73: Pwll Ffordd St Asaph	As above	As above
97/72: Pwll Bodoryn Fawr	As above	As above
97/33: Coed Gors	As above	As above



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
97/69: Pwll Towyn Way	As above	As above
97/66: Remo Avenue	As above	As above
97/70: Berthglyn Pond	As above	As above
97/41: Afon Gele	As above	As above
97/74: Plas Kimmel	As above	As above
97/75: Pwll Llwyni Lodge	As above	As above
97/82: Pwll St Georges Well	As above	As above
97/81: Pwll Parc Kimmel	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
97/99: Pwll Rookery	As above	As above
97/34: Coed Y Waen	As above	As above
97/29: Dinorben Lodge Quarry	As above	As above
97/32: Coed Meibion	As above	As above
97/96: Pwll Coed Pen y Bryn	As above	As above
97/97: Pwll Coed Cae Mach	As above	As above



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
97/84: Pwll Tan-y-bryn	As above	As above
97/83: St Georges Well	As above	As above
97/42: Fferam Ffordd Las Bach	As above	As above
97/26: Coed y Geufron	As above	As above
87/16: Coed Twnan	As above	As above
87/11: Nant Llewelyn	As above	As above
97/13: Coed y Gopa Extension	As above	As above
97/59: Afon Gele Grassland	As above	As above
97/19: Coed Ysgerirallt	As above	As above
97/113a: Abergele Hospital Grounds	As above	As above
97/24: Ffordd Las	As above	As above
97/77: Coed Nant Ddu	As above	As above
87/3: Bryn Euryr Woods	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
SJ07/6: Pwllau Graig	As above	As above



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
SJ07/1: Coed Nant-y-graig	As above	As above
97/102: Coed Wig	As above	As above
97/16: Siror Hir Dingles	As above	As above
97/10: Coed Betws Lodge	As above	As above
97/94: Coed PlasUchaf	As above	As above
97/80: Coed Parc Kinmel	As above	As above
97/101: Coed Pen-y-bryn	As above	As above
97/88: Mynydd y Gaer	As above	As above
87/20a: Glyn Wood, Colwyn Bay	As above	As above
97/35: Morfa Rhuddlan	As above	As above
87/4: Coed Isaf / Coed Cae-mawr	As above	As above
Extra11: Mynydd y Gaer Grassland	As above	As above
Extra12: Morfa Penrhyn	As above	As above
Extra18: Coed Tan-y-bryn	As above	As above

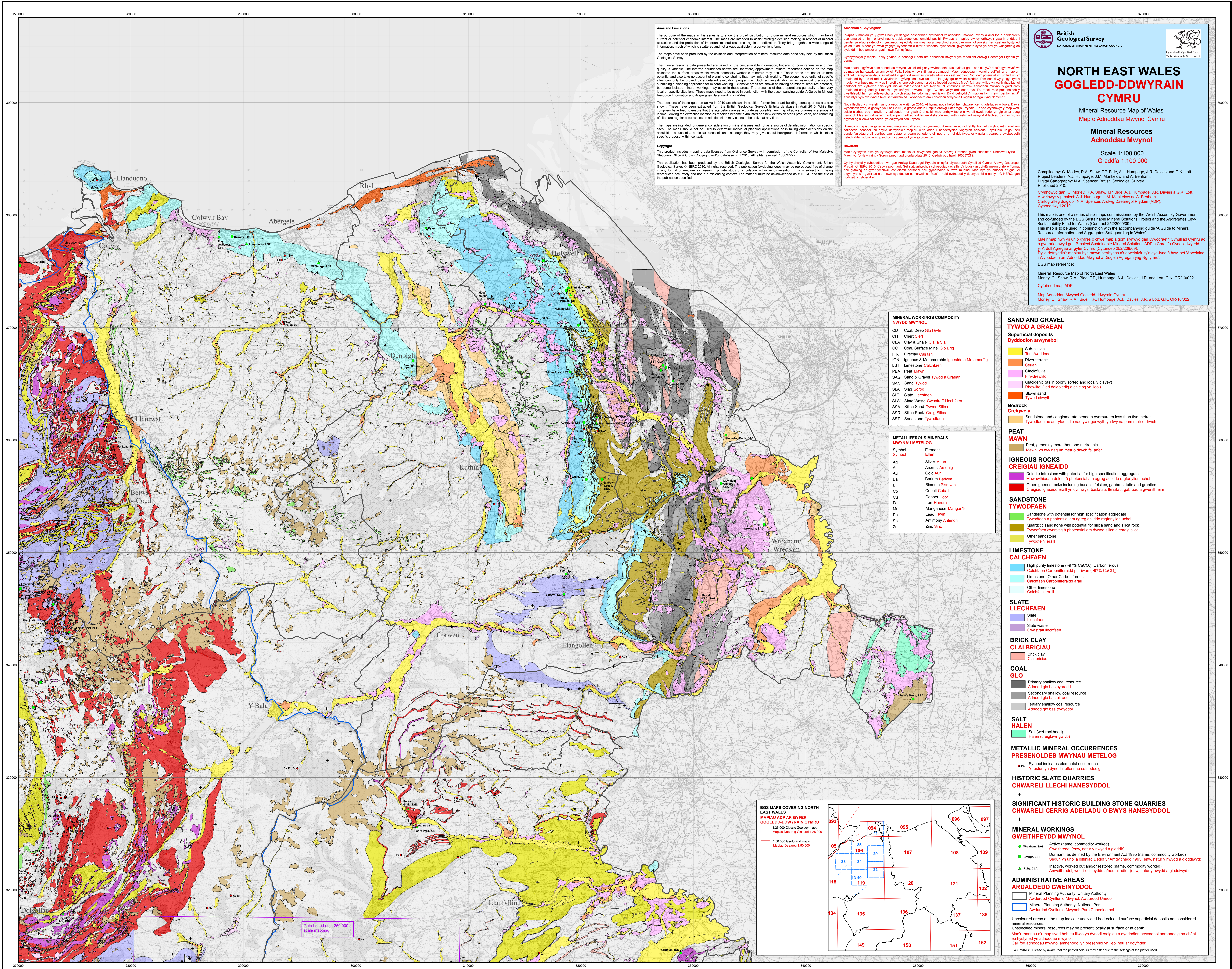


SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
97/100: Coed Bron Haul	As above	As above
97/76: The Warren	As above	As above
D001: Clwyd Estuary and Adjacent fields	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
D002: Coed Pen y Garreg	As above	As above
D003: Coed y Ddol/Coed y Fadir	As above	As above
D003/1: Plas Newydd/Coed Carreg Dafydd	As above	As above
D012: Y Morfa	As above	As above
D014: Ty Isa and Pen Palmant valley	As above	As above
D018: Pwll y Bont	As above	As above
D021: Bryn Cwnin Wetland	As above	As above
D022: Vale Of Clwyd Grassland	As above	As above
D023: Carreg Heilyn	As above	As above
D031: Mount Road Churchyard, St Asaph	As above	As above



SITE	CLOSEST DISTANCE TO AWEL Y MÔR OWF ONSHORE ECR SEARCH AREA	FEATURES OR DESCRIPTION
D032: Coed Cord / Coed y Saeson	As above	As above
D033: Coed Fron and Eryl Hall Wood	As above	As above
D034: Ty'n-y-Coed Rough (2 areas)	As above	As above
D035: Bryn Meiriadog	As above	As above
D036: Chapel Wood/Coed Mawr	Within the Awel y Môr OWF onshore ECR search area	Further information in respect of reasons for importance not yet available.
D037: Coed Kendrick	As above	As above
D040: Glascoed (2 areas)	As above	As above
D041: Coed yr Accar (2 areas)	As above	As above

Appendix F Extract of BGS Mineral Resource Map for the North East Wales region





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