Awel y Môr Offshore Wind Farm

Table of Environmental Statement Conclusions

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1 Introduction

1 In the Examining Authority's (ExA) first written questions (Q1s), question reference 0.12 requests the following:

> *"Please provide a summary table listing the likely significant residual effects identified within the ES Chapters."*

2 Awel Y Môr Offshore Wind Farm Limited (the Applicant) has compiled a series of tables summarising the predicted and potential effects as identified in each chapter of the Environmental Statement.

3 Where a significant effect has been identified anywhere within a cell, the cell has been coloured grey to highlight this.

4 Both offshore and onshore topics are covered and have been split for ease of navigation.

2 Offshore Effects

Table 1: Summary of predicted effects on Marine Geology, Oceanography and Physical Processes.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Potential changes to suspended sediment concentrations, bed levels and sediment type/ character arising from construction related activities including dredging, drilling and cable installation.	(Pathway)	(Pathway)	(No mitigation measures necessary)	(Pathway)
Potential changes to Constable Bank/ Rhyl Flats and designated sites owing to the combined influence of sediment removal activities e.g. dredging and sandwave clearance.	Low	Medium	(No mitigation measures necessary)	Minor (adverse)
Potential changes to Constable Bank/ Rhyl Flats, designated sites and the adjacent coast, arising from dredging/ disposal induced bed level change and associated modification of waves, tides and sediment transport.	Negligible	Medium	(No mitigation measures necessary)	Minor (adverse)
Potential changes to Constable Bank/ Rhyl Flats, designated sites and the adjacent coast, arising from blockage effects associated with (partially) installed infrastructure.	Low (for Liverpool Bay SPA) Negligible (for all other receptors)	Medium	(No mitigation measures necessary)	Minor (adverse)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Potential changes to the coast arising from HDD and trenching at the landfall	Low	Medium	(No mitigation measures necessary)	Minor (adverse)
Potential for long-term changes to the coast arising from the use of cable protection at the landfall.	Negligible	Medium	(No mitigation measures necessary)	Minor (adverse)
Potential for long-term changes to the coast arising from cable protection within nearshore areas.	Low	Medium	(No mitigation measures necessary)	Minor (adverse)
OPERATION				
Potential for scour of seabed sediments, including that around scour protection structures.	(Pathway)	(Pathway)	(No mitigation measures necessary)	(Pathway)
Potential for changes to Constable Bank/ Rhyl Flats and designated sites arising from modification of the tidal regime	Low (for Liverpool Bay SPA) Negligible (for Constable Bank and Rhyl Flats)	Medium	(No mitigation measures necessary)	Minor (adverse)
Potential for changes to Constable Bank/ Rhyl Flats, designated sites and the adjacent coast arising from modification of the wave regime	Negligible	Medium	(No mitigation measures necessary)	Minor (adverse)
Potential for changes to Constable Bank/ Rhyl Flats, designated sites and the adjacent coast arising from modification of the sediment transport regime	Negligible	Medium	(No mitigation measures necessary)	Minor (adverse)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Potential for changes to the coast arising from any modification of Constable Bank and Rhyl Flats.	Negligible	Medium	(No mitigation measures necessary)	Minor (adverse)
DECOMMISSIONING				
Potential changes to suspended sediment concentrations, bed levels and sediment type.	(Pathway)	(Pathway)	(No mitigation measures necessary)	(Pathway)
Potential changes to the coast arising from cable removal at the landfall.	Minor	Medium	(No mitigation measures necessary)	Minor (adverse)
CUMULATIVE EFFECTS				
Potential for cumulative temporary increases in SSC and seabed levels as a result of AyM foundation installation and aggregate dredging	(Pathway)	(Pathway)	(No mitigation measures necessary)	(Pathway)
Potential for cumulative temporary increases in SSC and seabed levels as a result of AyM foundation installation and dredge spoil disposal at licensed disposal grounds	(Pathway)	(Pathway)	(No mitigation measures necessary)	(Pathway)
Potential for cumulative changes in hydrodynamics, waves and sediment transport arising from interaction proposed Round 4 OWF projects	[Not assessed; insufficient project information currently available]			
Potential for cumulative changes in hydrodynamics, waves and sediment transport arising from	Negligible	Medium	(No mitigation measures necessary)	Minor (adverse)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
interaction with Flagstaff Tidal Lagoon				
Potential for cumulative changes in hydrodynamics, waves and sediment transport arising from interaction with new coastal defence works	[Not assessed; insufficient project information currently available]			

Table 2: Summary of predicted effects on Marine Water and Sediment Quality.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR(S)	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Deterioration in water quality due to suspension of sediments	Low	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)
		WFD waterbodies - Low		Minor adverse (not significant)
		Non-designated waters – negligible		Negligible (not significant)
Release of sediment-bound contaminants from disturbed sediments	Low	Bathing Waters – N/A	No additional mitigation measures identified.	N/A
		WFD waterbodies - Low		Minor adverse (not significant)
		Non-designated waters – negligible		Negligible (not significant)
Deterioration in water clarity due to the release of drilling mud	Low	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)
		WFD waterbodies - Low		Negligible (not significant)
		Non-designated waters - Negligible		Negligible (not significant)
Accidental releases or spills of materials or chemicals during construction	Negligible	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR(S)	MITIGATION MEASURES	RESIDUAL EFFECT
		WFD waterbodies - Low		Minor adverse (not significant)
		Non-designated waters – Negligible		Negligible (not significant)
OPERATION				
Deterioration in water quality due to suspension of sediments from scour	Negligible	Bathing Waters – N/A	No additional mitigation measures identified.	N/A
		WFD waterbodies - Low		Negligible (not significant)
		Non-designated waters - Negligible		Negligible (not significant)
Deterioration in water quality due to suspension of sediments from O&M activities	Low	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)
		WFD waterbodies - Low		Minor adverse (not significant)
		Non-designated waters - Negligible		Negligible (not significant)
Accidental releases or spills of materials or chemicals during operation	Negligible	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)
		WFD waterbodies - Low		Negligible adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR(S)	MITIGATION MEASURES	RESIDUAL EFFECT
		Non-designated waters - Negligible		Negligible (not significant)
DECOMMISSIONING				
Deterioration in water quality due to suspension of sediments	Low	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)
		North Wales coastal waterbody - Low		Minor adverse (not significant)
		Non-designated waters - Negligible		Negligible (not significant)
Accidental releases or spills of materials or chemicals during decommissioning	Negligible	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)
		WFD waterbodies - Low		Negligible (not significant)
		Non-designated waters - Negligible		Negligible (not significant)
CUMULATIVE EFFECTS				
Cumulative deterioration in water quality due to suspension of sediments	Low	Bathing Waters – Medium	No additional mitigation measures identified.	Minor adverse (not significant)
		WFD waterbodies - Low		Minor adverse (not significant)
		Non-designated waters - Negligible		Negligible (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR(S)	MITIGATION MEASURES	RESIDUAL EFFECT
Cumulative release of sediment-bound contaminants from disturbed sediments	Low	Bathing Waters – N/A	No additional mitigation measures identified.	N/A
		WFD waterbodies - Low		Minor adverse (not significant)
		Non-designated waters - Negligible		Negligible (not significant)

Table 3: Summary of predicted effects on Offshore Ornithology.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Disturbance and displacement: array	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Disturbance and displacement: offshore ECC	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Indirect impacts: array	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Indirect impacts: offshore ECC	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
OPERATION				
Disturbance and displacement: array	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Disturbance and displacement: offshore ECC	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Collision risk: array	Negligible to Low	Low to Medium	Minimum lower blade tip above MHWS: 22 m (in line with RYA requirements (RYA, 2015)).	Negligible to Minor (Not Significant)
Barrier effects: array	Negligible	Low	N/A	Negligible to Minor (Not Significant)
Lighting: array	Negligible	Low	N/A	Negligible to Minor (Not Significant)
Indirect impacts: array	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Indirect impacts: offshore ECC	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
DECOMMISSIONING				

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Disturbance and displacement: array	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Disturbance and displacement: offshore ECC	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Indirect impacts: array	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
Indirect impacts: offshore ECC	Negligible	Low to High	N/A	Negligible to Minor (Not Significant)
CUMULATIVE EFFECTS				
Disturbance and displacement	Negligible to Low	Low to High	N/A	Negligible to Minor (Not Significant)
Collision risk	Negligible to Low	Low to Medium	Minimum lower blade tip above MHWS: 22 m (in line with RYA requirements (RYA, 2015)).	Negligible to Minor (Not Significant)

Table 4: Summary of predicted effects on Benthic Subtidal and Intertidal Ecology.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Temporary habitat disturbance (in the AyM array area and offshore ECC).	Low adverse	Low	None proposed beyond existing comments.	Minor adverse (not significant)
Temporary habitat disturbance (in the intertidal).	Low adverse	Not sensitive to Low	None proposed beyond existing comments.	Minor adverse (not significant)
Temporary increase in SSC and associated sediment deposition (in the ECC and array).	Low adverse	Not sensitive to Low	None proposed beyond existing comments.	Minor adverse (not significant)
Temporary increase in SSC and associated deposition (in the intertidal).	Low adverse	Not sensitive to Medium	None proposed beyond existing comments.	Minor adverse (not significant)
Direct and indirect seabed disturbances leading to the release of sediment contaminants.	Negligible adverse	Low	None proposed beyond existing comments.	Negligible adverse (not significant)
Increased risk of introduction or spread of Invasive Non-Native Species (INNS)	Negligible adverse	Low	None proposed beyond existing comments.	Negligible adverse (not significant)
Long-term habitat loss/ change from the presence of foundations, scour protection and cable protection.	Negligible adverse	Medium	None proposed beyond existing comments.	Minor adverse (not significant)
OPERATION				
Colonisation of the WTGs and scour / cable protection may affect benthic ecology and biodiversity.	Negligible adverse	Medium	None proposed beyond existing comments.	Minor adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Increased risk of introduction or spread of Marine Invasive Non-Native Species (MINNS) due to presence of infrastructure and vessel movements (e.g. the discharge of ballast water) may affect benthic ecology and biodiversity.	Negligible adverse	Low	None proposed beyond existing comments.	Negligible adverse (not significant)
Temporary habitat disturbance associated with maintenance.	Negligible adverse	Low	None proposed beyond existing comments.	Minor adverse (not significant)
Changes to seabed habitats arising from effects on physical processes, including scour effects and changes in the sediment transport and wave regimes resulting in potential effects on benthic communities.	Negligible adverse	Low	None proposed beyond existing comments.	Negligible adverse (not significant)
Indirect disturbance of benthic species from Electromagnetic Fields (EMF) generated by inter-array and export cables	Negligible adverse	Low	None proposed beyond existing comments.	Negligible adverse (not significant)
DECOMMISSIONING				
Temporary habitat disturbance from decommissioning of foundations, cables and rock protection.	Low adverse	Low	None proposed beyond existing comments.	Minor adverse (not significant)
Increased SSC and sediment deposition from removal of foundations, cables and rock protection.	Low adverse	Not sensitive to Low	None proposed beyond existing comments.	Minor adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Loss of introduced habitat from the removal of foundations and rock protection.	Low adverse	Low	None proposed beyond existing comments.	Minor adverse (not significant)
CUMULATIVE EFFECTS				
Cumulative temporary habitat loss/disturbance	Low adverse	Low	None proposed beyond existing comments.	Minor adverse (not significant)
Cumulative temporary increase in SSC and sediment deposition	Low adverse	Low	None proposed beyond existing comments.	Minor adverse (not significant)
Cumulative long-term habitat loss/change from presence of foundations and scour protection and cable protection	Negligible adverse	Medium	None proposed beyond existing comments.	Minor adverse (not significant)
Cumulative colonisation of the WTGs and scour/ cable protection, including by INNS, may affect benthic ecology and biodiversity	Negligible to low adverse	Low	None proposed beyond existing comments.	Negligible to minor adverse (not significant)

Table 5: Summary of predicted effects on Fish and Shellfish Ecology.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Mortality, injury, behavioural impacts and auditory masking arising from noise and vibration	Group 1 – Low adverse	Low	N/A	Minor adverse (not significant)
	Group 2 – Low adverse	Low		Minor adverse (not significant)
	Group 3 – Low adverse	Medium		Minor adverse (not significant)
	Eggs and larvae – Low adverse	Medium		Minor adverse (not significant)
	Shellfish – Low adverse	Medium		Minor adverse (not significant)
Temporary increase in SSC and sediment deposition	All fish species – low adverse	Low	N/A	Minor adverse (not significant)
	Crab, lobster, scallop – low adverse	Medium		Minor adverse (not significant)
	Nephrops - low adverse	Low		Minor adverse (not significant)
Direct damage (e.g. crushing) and disturbance to mobile demersal and pelagic fish and shellfish arising from construction activities	Sandeel – Low adverse	Medium	N/A	Minor adverse (not significant)
	All other fish – negligible adverse	Negligible		Negligible adverse (not significant)
	Lobster – low adverse	Low		Minor adverse (not significant)
	All other shellfish – low adverse	Medium		Minor adverse (not significant)
Direct and indirect seabed disturbances leading to the release of sediment contaminants	Negligible adverse	Low - Medium	N/A	Negligible – Minor adverse (not significant)
Impacts on fishing pressure due to displacement	Negligible adverse	Negligible	N/A	Negligible adverse (not significant)
OPERATION				
Long-term loss of habitat due to the presence of turbine	Sandeel – Low adverse	Medium	N/A	Minor adverse (not significant)
	All other fish – Negligible adverse	Low		Minor adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
foundations, scour protection and cable protection	Crab, *Nephrops* – Negligible adverse	Medium		Minor adverse (not significant)
	All other shellfish - Negligible adverse	Low		Minor adverse (not significant)
Increased hard substrate and structural complexity as a result of the introduction of turbine foundations, scour protection and cable protection	Sandeel – Low adverse	Medium	N/A	Minor adverse (not significant)
	All other fish – Low adverse	Low		Minor adverse (not significant)
	Shellfish - Low adverse	Low		Minor adverse (not significant)
Impacts on fishing pressure due to displacement	Low adverse	Negligible	N/A	Negligible adverse (not significant)
EMF effects arising from cables during operational phase	Low adverse	Low	N/A	Minor adverse (not significant)
DECOMMISSIONING				
Mortality, injury, behavioural changes and auditory masking arising from noise and vibration	Negligible adverse	As for construction	N/A	Negligible – Minor adverse (not significant)
Temporary increase in SSC and sediment deposition	As for construction	As for construction	N/A	Minor adverse (not significant)
Direct and indirect seabed disturbances leading to the release of sediment contaminants	As for construction	As for construction	N/A	Negligible – Minor adverse (not significant)
Direct damage (e.g. crushing) and disturbance to mobile demersal and pelagic fish and	As for construction	As for construction	N/A	Negligible – Minor adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
shellfish arising from construction activities				
Impacts on fishing pressure due to displacement	Negligible adverse	Negligible	N/A	Negligible adverse (not significant)
CUMULATIVE EFFECTS				
Mortality, injury, behavioural changes and auditory masking arising from noise and vibration	Low adverse	Medium	N/A	Minor adverse (not significant)
Temporary increase in SSC and sediment deposition	Low adverse	Medium	N/A	Minor adverse (not significant)

Table 6: Summary of predicted effects on Marine Mammals.

IMPACT	SPECIES	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION					
PTS from piling	Harbour porpoise	Negligible (adverse)	Low	None beyond embedded mitigation (piling MMMP)	Negligible (adverse) significance
	Bottlenose dolphin				
	Risso's dolphin				
	Minke whale				
	Grey seal		Negligible		
Disturbance from piling	Harbour porpoise	Low (adverse)	Low	None beyond embedded mitigation (piling MMMP)	Minor (adverse) significance
	Bottlenose dolphin	Medium (adverse)			
	Risso's dolphin	Low (adverse)			
	Minke whale	Low (adverse)			
	Grey seal	Medium (adverse)	Negligible		Negligible (adverse) significance
Disturbance from other construction activities	Harbour porpoise	Low (adverse)	Low	None	Minor (adverse) significance
	Bottlenose dolphin				
	Risso's dolphin				
	Minke whale				
	Grey seal		Negligible		Negligible (adverse) significance
PTS from UXO	Harbour porpoise	Negligible (adverse)	Low	None beyond embedded mitigation (UXO MMMP)	Negligible (adverse) significance
	Bottlenose dolphin				
	Risso's dolphin				
	Minke whale				
	Grey seal		Negligible		

Disturbance from UXO	Harbour porpoise	Low (adverse)	Low	None beyond embedded mitigation (UXO MMMP)	Minor (adverse) significance
	Bottlenose dolphin	Medium (adverse)			
	Risso's dolphin	Low (adverse)			
	Minke whale	Low (adverse)			
	Grey seal	Medium (adverse)	Negligible		
Collision risk from vessels	All	Negligible (adverse)	High	None beyond embedded mitigation	Minor (adverse) significance
Disturbance from vessels	Harbour porpoise	Low (adverse)	Low	None beyond embedded mitigation	Minor (adverse) significance
	Bottlenose dolphin				
	Risso's dolphin				
	Minke whale				
	Grey seal		Negligible		Negligible (adverse) significance
Change in water quality	All	Negligible (adverse)	Negligible	None	Negligible (adverse) significance
Change in fish abundance/ distribution	All	Negligible (adverse)	Low	None	Negligible (adverse) significance
OPERATION					
Barrier effects	All	Negligible (adverse)	Negligible	None	Negligible (adverse) significance
Collision risk from vessels	All	Negligible (adverse)	High	None	Minor (adverse) significance
Disturbance from vessels	Harbour porpoise	Low (adverse)	Low	None beyond embedded mitigation	Minor (adverse) significance
	Bottlenose dolphin				
	Risso's dolphin				
	Minke whale				

	Grey seal		Negligible		Negligible (adverse) significance
Change in water quality	All	No impact pathway			
Change in fish abundance/ distribution	All	Negligible (adverse)	Low	None	Negligible (adverse) significance
DECOMMISSIONING					
PTS & disturbance	All	Assumed similar or lesser extent than piling			
Collision risk from vessels	All	Negligible (adverse)	High	None beyond embedded mitigation	Minor (adverse) significance
Disturbance from vessels	Harbour porpoise	Low (adverse)	Low	None beyond embedded mitigation	Minor (adverse) significance
	Bottlenose dolphin				
	Risso's dolphin				
	Minke whale				
	Grey seal		Negligible		Negligible (adverse) significance
Change in water quality	All	Negligible (adverse)	Negligible	None	Negligible (adverse) significance
Change in fish abundance/ distribution	All	Negligible (adverse)	Low	None	Negligible (adverse) significance
CUMULATIVE EFFECTS					
Disturbance from underwater noise	Harbour porpoise	Low (adverse)	Low	None beyond embedded mitigation (piling MMMP)	Minor (adverse) significance
	Bottlenose dolphin	Medium (adverse)			
	Risso's dolphin				
	Minke whale				
	Grey seal		Negligible		
	Harbour porpoise	Screened out			Screened out

Disturbance from vessels	Bottlenose dolphin			None beyond embedded mitigation	
	Risso's dolphin	Negligible (adverse)	Low		Negligible (adverse) significance
	Minke whale	Low (adverse)			Minor (adverse) significance
	Grey seal	Screened out			Screened out

Table 7: Summary of potential effects on Commercial fisheries.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
AyM array area construction activities and physical presence of constructed wind farm infrastructure leading to reduction in access to, or exclusion from established fishing grounds	Potting fleet: Medium	Potting fleet: Medium	Development of Fisheries Liaison Plan (FLP), including cooperation agreements and associated payments.	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Negligible	None proposed beyond existing commitments (Section 9.9)	Netting fleet: Negligible (Not Significant)
	Dredging fleet: Medium	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)
AyM offshore export cable construction activities and physical presence of constructed wind farm infrastructure leading to reduction in access to, or exclusion from established fishing grounds	Potting fleet: Medium	Potting fleet: Medium	Development of FLP, including cooperation agreements and associated payments.	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Medium	Netting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Displacement from AyM array area leading to gear conflict and increased fishing pressure on adjacent grounds	Potting fleet: Low	Potting fleet: Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Negligible	Netting fleet: Negligible		Netting fleet: Negligible (Not Significant)
	Dredging fleet: Negligible	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Displacement from AyM offshore ECC leading to gear conflict and increased fishing pressure on adjacent grounds	Potting fleet: Low	Potting fleet: Low-Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
	Dredging fleet: Negligible	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
AyM array area and offshore ECC construction activities leading to disturbance of commercially important fish and shellfish resources leading to displacement or disruption of fishing activity	Potting fleet: Low	Potting fleet: Low	See measures set out in Volume 2, Chapter 6: Fish and shellfish ecology	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)
Increased vessel traffic associated with AyM within fishing grounds leading to interference with fishing activity	Potting fleet: Low	Potting fleet: Low-Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Additional steaming to alternative fishing grounds for vessels that would otherwise fish within the AyM area	Potting fleet: Low	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
OPERATION				
Physical presence of AyM array area infrastructure leading to reduction in access to, or exclusion from established fishing grounds	Potting fleet: Medium	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Negligible	Netting fleet: Negligible		Netting fleet: Negligible (Not Significant)
	Dredging fleet: Medium	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Physical presence of offshore export cable and infrastructure within the AyM offshore ECC leading to reduction in access to, or exclusion from established fishing grounds	Potting fleet: Low	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Negligible	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Displacement from AyM array area and offshore ECC leading to gear conflict and increased fishing pressure on adjacent grounds	Potting fleet: Low	Potting fleet: Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Negligible-Low		Netting fleet: Negligible-Minor Adverse (Not Significant)
	Dredging fleet: Negligible	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
AyM operation and maintenance activities leading to displacement or disruption of commercially important fish and shellfish resources	Potting fleet: Low	Potting fleet: Low	See measures set out in Volume 2, Chapter 6: Fish and shellfish ecology	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)
Increased vessel traffic within fishing grounds as a result of changes to shipping routes and maintenance vessel traffic from AyM leading to interference with fishing activity	Potting fleet: Low	Potting fleet: Low-Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low-Medium		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Additional steaming to alternative fishing grounds for	Potting fleet: Low	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
vessels that would otherwise fish within the AyM area	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Physical presence of AyM array area infrastructure leading to gear snagging	Potting fleet: Low	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Medium		Dredging fleet: Minor adverse (Not Significant)
Physical presence of the export cable and associated infrastructure leading to gear snagging	Potting fleet: Low	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)
DECOMMISSIONING				
AyM array area decommissioning activities leading to reduction in access to, or exclusion from, potential and/or established fishing grounds	Potting fleet: Medium	Potting fleet: Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Negligible		Netting fleet: Negligible (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
AyM offshore ECC decommissioning activities leading to reduction in access	Potting fleet: Medium	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Medium	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
to, or exclusion from established fishing grounds	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Displacement from AyM array area leading to gear conflict and increased fishing pressure on adjacent grounds	Potting fleet: Low	Potting fleet: Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Negligible	Netting fleet: Negligible		Netting fleet: Negligible (Not Significant)
	Dredging fleet: Negligible	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Displacement from the AyM offshore ECC leading to gear conflict and increased fishing pressure on adjacent grounds	Potting fleet: Low	Potting fleet: Low-Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Negligible	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Decommissioning activities leading to displacement or disruption of commercially important fish and shellfish resources	Potting fleet: Low	Potting fleet: Low	See measures set out in Volume 2, Chapter 6: Fish and shellfish ecology	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)
Increased vessel traffic within fishing grounds as a result of changes to shipping routes and transiting decommissioning vessel traffic from AyM array area and AyM offshore ECC leading to interference with fishing activity	Potting fleet: Low	Potting fleet: Low-Medium	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low-Medium		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Additional steaming to alternative fishing grounds for	Potting fleet: Low	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
vessels that would otherwise fish within the AyM area	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Negligible		Dredging fleet: Negligible (Not Significant)
Physical presence of any infrastructure left in situ leading to gear snagging	Potting fleet: Low	Potting fleet: Low	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Minor adverse (Not Significant)
	Netting fleet: Low	Netting fleet: Low		Netting fleet: Minor adverse (Not Significant)
	Dredging fleet: Low	Dredging fleet: Low-Medium		Dredging fleet: Minor adverse (Not Significant)
CUMULATIVE EFFECTS				
Reduction in access to, or exclusion from established fishing grounds	Potting fleet: Negligible	Potting fleet: Negligible	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Negligible (Not Significant)
	Netting fleet: Negligible	Netting fleet: Negligible		Netting fleet: Negligible (Not Significant)
	Dredging fleet: Medium	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)
Displacement leading to gear conflict and increased fishing pressure on established fishing grounds	Potting fleet: Negligible	Potting fleet: Negligible	None proposed beyond existing commitments (Section 9.9)	Potting fleet: Negligible (Not Significant)
	Netting fleet: Negligible	Netting fleet: Negligible		Netting fleet: Negligible (Not Significant)
	Dredging fleet: Medium	Dredging fleet: Low		Dredging fleet: Minor adverse (Not Significant)

Table 8: Summary of predicted effects on Shipping and Navigation.

IMPACT	FREQUENCY OF OCCURRENCE	SEVERITY OF CONSEQUENCE	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Increased vessel-to-vessel collision risk between third-party vessels resulting from displacement and proximity to routeing measures	Reasonably probable	Negligible	n/a	Broadly acceptable (not significant in EIA terms)
Restriction of adverse weather routeing	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)
Increased vessel-to-vessel collision risk between a third-party vessel and a project vessel	Frequent	Minor	n/a	Tolerable (not significant in EIA terms)
Vessel-to-structure powered allision risk	Extremely unlikely	Serious	Discussions and agreement with Trinity House in relation to siting of the Met Mast and any necessary additional mitigations.	Tolerable with mitigation (not significant in EIA terms assuming implementation of additional mitigations)
Vessel-to-structure drifting allision risk	Extremely unlikely	Serious	n/a	Tolerable (not significant in EIA terms)
Reduced access to local ports	Extremely unlikely	Minor	n/a	Broadly acceptable (not significant in EIA terms)
Reduction of SAR capability due to increased incident rates and reduced access for surface / air responders	Negligible	Serious	n/a	Broadly acceptable (not significant in EIA terms)
OPERATION				
Increased vessel-to-vessel collision risk between third-party vessels resulting from	Reasonably probable	Negligible	n/a	Broadly acceptable (not significant in EIA terms)

IMPACT	FREQUENCY OF OCCURRENCE	SEVERITY OF CONSEQUENCE	MITIGATION MEASURES	RESIDUAL EFFECT
displacement and proximity to routeing measures				
Restriction of adverse weather routeing	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)
Increased vessel-to-vessel collision risk between a third-party vessel and a project vessel	Reasonably probable	Minor	n/a	Broadly acceptable (not significant in EIA terms)
Vessel-to-structure powered allision risk	Extremely unlikely	Serious	Discussions and agreement with Trinity House in relation to siting of the Met Mast and any necessary additional mitigations.	Tolerable with mitigation (not significant in EIA terms assuming implementation of additional mitigations)
Vessel-to-structure drifting allision risk	Extremely unlikely	Serious	n/a	Tolerable (not significant in EIA terms)
Reduced access to local ports	Extremely unlikely	Minor	n/a	Broadly acceptable (not significant in EIA terms)
Reduction of SAR capability due to increased incident rates and reduced access for surface / air responders	Extremely unlikely	Serious	Agreement of layout with MCA post consent informed by pre consent discussions.	Tolerable with mitigation (not significant in EIA terms assuming implementation of additional mitigations)
Reduction in under keel clearance resultant of cable protection	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)
Anchor interaction with subsea cables	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)
DECOMMISSIONING				
Increased vessel-to-vessel collision risk between third-party vessels resulting from displacement and proximity to routeing measures	Reasonably probable	Negligible	n/a	Broadly acceptable (not significant in EIA terms)

IMPACT	FREQUENCY OF OCCURRENCE	SEVERITY OF CONSEQUENCE	MITIGATION MEASURES	RESIDUAL EFFECT
Restriction of adverse weather routeing	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)
Increased vessel-to-vessel collision risk between a third-party vessel and a project vessel	Reasonably probable	Minor	n/a	Broadly acceptable (not significant in EIA terms)
Vessel-to-structure powered allision risk	Negligible	Serious	n/a	Broadly acceptable (not significant in EIA terms)
Vessel-to-structure drifting allision risk	Negligible	Serious	n/a	Broadly acceptable (not significant in EIA terms)
Reduced access to local ports	Extremely unlikely	Minor	n/a	Broadly acceptable (not significant in EIA terms)
Reduction of SAR capability due to increased incident rates and reduced access for surface / air responders	Negligible	Serious	n/a	Broadly acceptable (not significant in EIA terms)
CUMULATIVE EFFECTS				
Increased vessel-to-vessel collision risk between third-party vessels resulting from displacement and proximity to routeing measures	Reasonably probable	Negligible	n/a	Broadly acceptable (not significant in EIA terms)
Restriction of adverse weather routeing	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)
Increased vessel-to-vessel collision risk between a third-party vessel and a project vessel	Extremely unlikely	Major	n/a	Broadly acceptable (not significant in EIA terms)
Vessel-to-structure powered allision risk	Negligible	Serious	n/a	Broadly acceptable (not significant in EIA terms)

IMPACT	FREQUENCY OF OCCURRENCE	SEVERITY OF CONSEQUENCE	MITIGATION MEASURES	RESIDUAL EFFECT
Vessel-to-structure drifting allision risk	Negligible	Serious	n/a	Broadly acceptable (not significant in EIA terms)
Reduced access to local ports	Extremely unlikely	Minor	n/a	Broadly acceptable (not significant in EIA terms)
Reduction of SAR capability due to increased incident rates and reduced access for surface / air responders	Negligible	Serious	n/a	Broadly acceptable (not significant in EIA terms)
Reduction in under keel clearance resultant of cable protection	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)
Anchor interaction with subsea cables	Extremely unlikely	Moderate	n/a	Broadly acceptable (not significant in EIA terms)

Table 9: Summary of potential effects on Seascape, Landscape and Visual receptors (MDS A).

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
DIRECT IMPACTS ON SEASCAPE CHARACTER					
SCA F - North Wales Open Waters	Medium-low	Medium-low	None	Non-significant, adverse, short term temporary	Non-significant, adverse, short term temporary
SCA 28 - North-east of Anglesey	Medium	Medium	Array Area has been reduced within this SCA.	Significant, adverse, short term temporary in the eastern part of the SCA in and around the AyM array area and southwards towards the Great Orme. Not significant, short term, temporary elsewhere within the SCA.	Significant, adverse, short term temporary in the eastern part of the SCA in and around the AyM array area and southwards towards the Great Orme. Not significant, short term, temporary elsewhere within the SCA.
IMPACTS RESULTING FROM VISIBILITY OF THE AYM OWF WITHIN THE SEASCAPE					
VP1: Bull Bay near Amlwch – Wales Coast Path	High	Low	Array Area reduced in size increasing the separation distance from this VP.	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP2: Point Lynas - PRoW to north of lighthouse	High	Low	Array Area reduced in size increasing the separation distance from this VP.	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP3: Mynydd Eilian - near trig point	Medium-high	Low	Array Area reduced in size increasing the separation distance from this VP.	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 4: Moelfre Headland at sculpture (Daytime)	Medium-high	Medium-low	Array Area reduced in size increasing the separation distance from this VP.	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 4: Moelfre Headland at sculpture (Night-time)	Medium-high	Medium-low (operation)	Array Area reduced in size increasing the	NA	Significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
			separation distance and the Horizontal FoV from this VP.		
VP5: Red Wharf Bay	High	Medium-low	Array Area reduced in size increasing the separation distance and reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP6: Bwrdd Arthur - north of trig point	High	Medium	Array Area reduced in size increasing the separation distance and the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 7: Penmon Point - north-east of parking	High	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 8: Beaumaris - Wales Coast Path	High	Medium	No change	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 9: Bangor Pier (Southern End)	Medium-high	Medium-low	No change	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 10: Carnedd Llewelyn	High	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 11: Llanfairfechan	Medium-high	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
VP 12: Conwy Mountain	Medium-high	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 13: Great Orme - near summit complex	Medium-high	Medium-high	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 13: Great Orme - near summit complex (Night-time)	Medium	Medium (operation)	Array Area reduced in size reducing the Horizontal FoV from this VP	NA	Significant, adverse, long term, reversible
VP 14: Wales Coast Path near Penrhyn (Traeth yr Ora)	High	Medium-low	Array Area reduced in size increasing the separation distance and reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 16: Benlech Bay View Road	Medium-high	Medium-low	Array Area reduced in size increasing the separation distance and reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 17: Penrhyn Castle terrace	Medium-high	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 18: Llandudno paddling pool	Medium-high	Medium-high	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
VP 20: Bryn Euryn	Medium-high	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 21: Mynydd Marian	Medium-high	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 22: Abergele promenade	Medium-high	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 22: Abergele promenade (Night-time)	Medium	Low (operation)	Array Area reduced in size reducing the Horizontal FoV from this VP	NA	Non-significant, adverse, long term, reversible
VP 23: Rhyl Aquarium	Medium-high	Low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 24: Graig Fawr	High	Low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 25: Prestatyn Nova Centre	Medium-high	Low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 27: Point of Ayr	Medium-high	Low	Array Area reduced in size reducing the	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
			Horizontal FoV from this VP		
VP 28: Trwyn y Penrhyn parking layby	Medium-high	Medium	No change	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 29: Colwyn Bay promenade	Medium-high	Medium-high	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 30: Snowdon summit	Medium-high	Low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 36: Tal y Fan	Medium-high	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 37: Cefn Coch Stone Circle	Medium-high	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 38: Foel Fras	High	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 40: Above Capelulo – North Wales Path	Medium-high	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 42: Mynydd Bodafon - Trig Point	High	Low	Array Area reduced in size increasing the	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
			separation distance and reducing the Horizontal FoV from this VP		
VP 44: Beaumaris Castle	Medium-high	Low	No change	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 59: Llandundo promenade - lifeboat slipway	Medium-high	Medium	No change	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 60: Foel Lus (Night-time)	Medium	Medium-low (operation)	Array Area reduced in size reducing the Horizontal FoV from this VP	NA	Non-significant, adverse, long term, reversible
Amlwch	Medium	Low	Array Area reduced in size increasing the separation distance from this VP.	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Moelfre	Medium-high	Medium-low	Array Area reduced in size increasing the separation distance from this VP.	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Benllech	Medium-high	Medium-low	Array Area reduced in size increasing the separation distance and reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Llanddona	Medium-high	Medium-low	Array Area reduced in size increasing the separation distance and the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
Beaumaris	Medium-high	Medium-low	None	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Bangor	Medium	Medium-low	None	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Llanfairfechan	Medium-high for seaside properties, low for those without direct views across the sea.	Medium for seaside properties/ amenities, low or negligible for those without direct views across the sea.	Array Area reduced in size increasing the separation distance from this VP.	Significant, adverse, short term temporary for seaside properties/amenities. Not significant elsewhere within the settlement.	Significant, adverse, long term, reversible for seaside properties/amenities. Not significant elsewhere within the settlement.
Penmaenmawr	Medium-high	Medium	Array Area reduced in size increasing the separation distance from this VP.	Significant, adverse, short term temporary.	Significant, adverse, long term, reversible
Dwygfylchi	Medium-high	Medium-low	Array Area reduced in size increasing the separation distance from this VP.	Significant, adverse, short term temporary.	Significant, adverse, long term, reversible
Llandudno	Medium-high	Medium-high in the east of the bay and Medium reducing to no change in the west of the bay. Elsewhere in Llandudno the magnitude of change would be low or no change.	Array Area reduced in size increasing the separation distance from this VP.	Significant, adverse, short term temporary along the bay frontage. Not significant elsewhere.	Significant, adverse, long term, reversible along the bay frontage. Not significant elsewhere.
Penrhyn Bay	Medium-high	Medium-high along the sea front properties in Penrhyn Bay. Elsewhere in Penrhyn Bay the magnitude of change would be low or no change.	No change	Significant, adverse, short term temporary along the Penrhyn Bay frontage. Not significant elsewhere.	Significant, adverse, short term temporary along the Penrhyn Bay frontage. Not significant elsewhere.

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
Rhos-on-Sea	Medium-high	Medium-high from the north facing sea front properties in Rhos-on-Sea. Elsewhere in Rhos-on-Sea the magnitude of change would be lower or no change.		Significant, adverse, short term temporary along the north facing Rhos-on-Sea frontage. Not significant elsewhere.	Significant, adverse, long term, reversible along the north facing Rhos-on-Sea frontage. Not significant elsewhere.
Colwyn Bay	Medium-high	Medium-high from the sea facing properties along the promenades in Colwyn Bay. Elsewhere in Colwyn Bay the magnitude of change would be lower or no change.		Significant, adverse, short term temporary from the sea facing properties along the promenades in Colwyn Bay. Not significant elsewhere.	Significant, adverse, long term, reversible from the sea facing properties along the promenades in Colwyn Bay. Not significant elsewhere.
Llanddulas	Medium	Medium-low from the sea facing properties on elevated high ground. Elsewhere the magnitude of change low or negligible.		Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Abergele and Pensarn	Medium or low/negligible.	Medium-low for seaside properties/ amenities, low or negligible for those without direct views across the sea.		Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible
Towyn and Kinmel Bay	Medium or low/ negligible.	Medium-low for seaside properties/ amenities, low or negligible for those without direct views across the sea.		Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible
Rhyl	Medium or low/negligible.	Low for seaside properties/ amenities, low or negligible for those without direct views across the sea.		Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Prestatyn	Medium	Medium-low for a limited area of seaside properties/		Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
		amenities, low or negligible for those without direct views across the sea or where visibility is across the intervening urban area.			
WCP: Section A Llanlleiana Head	Medium-high	Low	Array Area reduced in size increasing the separation distance from this Section	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
WCP Section B Amlwch	Medium-high	Low	Array Area reduced in size increasing the separation distance from this Section	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
WCP Section C Dulas Bay	High	Medium-low	Array Area reduced in size increasing the separation distance and the Horizontal FoV from this Section	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
WCP Section D Moelfre	High	Medium-low	Array Area reduced in size increasing the separation distance and the Horizontal FoV from this section	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
WCP Section E Red Wharf Bay/Penmon	High	Medium-low west of Bwrydd Arthur and Medium to the east of Bwrydd Arthur.	Array Area reduced in size increasing the separation distance and reducing the Horizontal FoV from this section	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
WCP Section F Penmon Point	High	Medium	Array Area reduced in size reducing the	Significant, adverse, short term temporary	Significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
			Horizontal FoV from this section		
WCP Section G Menai Strait	High	Low	None	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
WCP Section H Lavan Sands	Medium-high	Medium to medium-low	Array Area reduced in size reducing the Horizontal FoV from this section	Significant, adverse, short term temporary along the 8km, open coastal section of the route to the east of Penrhyn Castle east to Llanfairfechan. Not significant elsewhere along the route.	Significant, adverse, long term, reversible along the 8km, open coastal section of the route to the east of Penrhyn Castle east to Llanfairfechan. Not significant elsewhere along the route.
WCP Section I Conwy Mountain	Medium-high.	Medium along the 1.5km section of the route at Foel Lus and Medium along the 1.5km section at Conwy Mountain. Medium-low or no change elsewhere.	Array Area reduced in size reducing the Horizontal FoV from this section	Significant, adverse, short term, temporary over a combined length of approximately 3km across the side slopes of Foel Lus and along the ridge of Conwy Mountain. Not significant along the other parts of this route.	Significant, adverse, long term, reversible over a combined length of approximately 3km across the side slopes of Foel Lus and along the ridge of Conwy Mountain. Not significant along the other parts of this route.
WCP Section J Conwy Bay	Medium	Medium at Llanfairfechan reducing to Low-medium	Array Area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short term temporary	Significant, adverse, long term, reversible
WCP Section K Conwy/ Creuddyn peninsula	Medium-high	Medium for 0.8km section at north-western extent of Great Orme. Low magnitude to no change elsewhere along the route.	Array Area reduced in size reducing the Horizontal FoV from this section	Significant, adverse, short term temporary along 0.8km section at north-western extent of Great Orme. Not significant elsewhere along the route.	Significant, adverse, long term, reversible short term temporary along 0.8km section at north-western extent of Great Orme. Not significant elsewhere along the route.
WCP Section L Great Orme	Medium-high	Medium-high for 2.5km section along northern edge of Great Orme. Low magnitude to no	Array Area reduced in size reducing the	Significant, adverse, short term temporary along 2.5km section on northern edge of Great	Significant, adverse, long term, reversible along 2.5km section on northern edge of Great Orme.

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
		change elsewhere along the route.	Horizontal FoV from this section	Orme. Not significant elsewhere along the route.	Not significant elsewhere along the route.
WCP Section M Llandudno	Medium-high	Medium-high for 2.5km section along Llandudno promenade, Colwyn Road and northern edge of Great Orme. Low magnitude to no change elsewhere along the route.	Array Area reduced in size reducing the Horizontal FoV from this section	Significant, adverse, short term temporary along 2.5km section of Llandudno promenade, Colwyn Road and northern edge of Great Orme. Not significant elsewhere along the route.	Significant, adverse, long term, reversible along 2.5km section of Llandudno promenade, Colwyn Road and northern edge of Great Orme. Not significant elsewhere along the route.
WCP Section N Penrhyn Bay	Medium	Medium-high for 3.5km section where there are open views from along the Penrhyn and Rhos Bays and headland at Rhos Point. Lower magnitude to no change elsewhere along the route.	No change	Significant, adverse, short term temporary for 3.5km section where there are open views from along the Penrhyn and Rhos Bays and headland at Rhos Point. Not significant elsewhere along the route.	Significant, adverse, long term, reversible for 3.5km section where there are open views from along the Penrhyn and Rhos Bays and headland at Rhos Point. Not significant elsewhere along the route.
WCP Section O Colwyn Bay	Medium	Medium-high for the 5km section from Colwyn Bay to 0.5km west of Llandulas. Medium to low from Llandulas to Pensarn.	Array Area reduced in size reducing the Horizontal FoV from this section	Significant, adverse, short term temporary for the 5km section to the east of Colwyn Bay. Not significant, adverse, short term temporary elsewhere.	Significant, adverse, long term, reversible for the 5km section to the east of Colwyn Bay. Not significant, adverse, short term temporary elsewhere.
WCP Section P Pensarn to Prestatyn	Medium	Medium-low to low	Array Area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
WCP Section Q Gronant Dunes/Point of Ayr	Medium-high	Low	Array Area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
Offa's Dyke LDR	Not assessed in detail	Not assessed in detail	Array area reduced in size reducing the	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
			Horizontal FoV from this section		
NCR 5 - IoA	Medium	Low to negligible	Array area reduced in size increasing the separation distance and reducing the Horizontal FoV from this section	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible
NCR 5 - Gwynedd	Medium to low	Medium-low or negligible	Array area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible
NCR 5 – Conwy	Medium to low	Medium-high for 0.5km section along Llandudno Bay, medium-high for 2km section where there are open views from along the Penrhyn and Rhos Bays and headland at Rhos Point and along Colwyn Bay to 0.5km west of Llandulas. Medium to low from Llandulas to Abergele. Low from Abergele to the boundary of Conwy at the River Clwyd crossing. Lower magnitude to no change elsewhere along the route.	Array area reduced in size reducing the Horizontal FoV from this section	Significant, adverse, short-term temporary for 0.5km section along Llandudno Bay, for 2km section where there are open views from along the Penrhyn and Rhos Bays and headland at Rhos Point and along Colwyn Bay to 0.5km west of Llandulas. Non-significant, adverse, short-term temporary along all other sections of NCR 5 through Conwy.	Significant, adverse, long term, reversible for 0.5km section along Llandudno Bay, for 2km section where there are open views from along the Penrhyn and Rhos Bays and headland at Rhos Point and along Colwyn Bay to 0.5km west of Llandulas. Non-significant, adverse, long term, reversible along all other sections of NCR 5 through Conwy.
NCR 5- Denbighshire	Not assessed in detail	Not assessed in detail	Array area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible
NCR 5 - Flintshire	Not assessed in detail	Not assessed in detail	Array area reduced in size reducing the	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
			Horizontal FoV from this section		
A55, North Wales Expressway - Gwynedd	Medium to low	Medium-low or negligible	Array area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible
A55, North Wales Expressway - Denbighshire	Not assessed in detail	Not assessed in detail	Array area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible
A55, North Wales Expressway - Flintshire	Not assessed in detail	Not assessed in detail	Array area reduced in size reducing the Horizontal FoV from this section	Non-significant, adverse, short-term temporary	Non-significant, adverse, long term, reversible
IoA LCA 6: Amlwch and Environs	Medium	Medium-low to no change	Array Area reduced in size increasing the separation distance from this LCA	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
IoA LCA 8: Dulas Bay Hinterland	Medium-high along the immediate coastal edge where there is a direct association with the seascape to the north and north-east and Medium elsewhere.	Medium-low to No change	Array Area reduced in size increasing the separation distance and the Horizontal FoV from this LCA	Significant adverse, short term temporary along the immediate coastal edge where there is a direct association with the seascape to the north and north-east. Not significant elsewhere within this LCA.	Significant adverse, long term, reversible along the immediate coastal edge where there is a direct association with the seascape to the north and north-east. Not significant elsewhere within this LCA.
IoA LCA 9: Red Wharf Bay	Medium inland Medium-high	Medium-low to No change	Array Area reduced in size increasing the	Significant, adverse, short term, temporary along the immediate	Significant, adverse, long term, reversible along the immediate

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
	along coastal areas with a strong association with the seascape to the north-east.		separation distance and reducing the Horizontal FoV from this LCA	coastline between Moelfre headland and Benllech and south of Benllech and round Red Wharfe Bay to a point level with Ty-mawr north of Pentraeth Forest. Not significant elsewhere.	coastline between Moelfre headland and Benllech and south of Benllech and round Red Wharfe Bay to a point level with Ty-mawr north of Pentraeth Forest. Not significant elsewhere.
IoA LCA 10: Penmon and Puffin Island	Medium-high	Medium magnitude of change relates to the coastal, northerly exposed areas of the LCA, extending inland by 0.5 to 0.75km and excluding the settled inland and former quarry area to the east. No change elsewhere.	Array Area reduced in size reducing the Horizontal FoV from this LCA	Significant, adverse, short term temporary in the coastal, northerly exposed areas of the LCA, extending inland by 0.5 to 0.75km. Not significant to the west of Bwrdd Arthur and in the settled inland and former quarry area to the east.	Significant, adverse, long term, reversible in the coastal, northerly exposed areas of the LCA, extending inland by 0.5 to 0.75km. Not significant to the west of Bwrdd Arthur and in the settled inland and former quarry area to the east.
IoA LCA 11: Eastern Menai Strait	Medium-high (Beaumaris and south-west) to high (north-east of Beaumaris)	Medium in the coastal, north-easterly exposed areas to the north of Beaumaris and south of Viewpoint 28 – Trwyn y Penrhyn parking layby, extending inland by 0.3-0.5km. Elsewhere lower to No change	None	Significant, adverse, short term temporary in the coastal, north-easterly exposed areas to the north of Beaumaris and south of Viewpoint 28 – Trwyn y Penrhyn parking layby, extending inland by 0.3-0.5km. Not significant elsewhere within the LCA.	Significant, adverse, long term, reversible in the coastal, north-easterly exposed areas to the north of Beaumaris and south of Viewpoint 28 – Trwyn y Penrhyn parking layby, extending inland by 0.3-0.5km. Not significant elsewhere within the LCA.
Gwynedd LCA G01: Bangor Coastal Plain	Medium within Bangor and to the south and south-west of it. Medium-high along the coastal edge to the north-east and east of	Medium in the coastal, north-easterly exposed areas to the north-east of Bangor extending inland by approximately 0.3-1km to the edge of the rail line. Elsewhere lower to no change.	Array area reduced in size increasing the separation distance from this LCA as well as the reducing the Horizontal FoV in views from parts of this LCA.	Significant, adverse, short-term temporary in the coastal, exposed areas to the north-east of Bangor, extending inland by 0.3-1km.	Significant, adverse, long term, reversible in the coastal, exposed areas to the north-east of Bangor, extending inland by 0.3-1km.

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
	Bangor and including the mudflats.			Non-significant, adverse, short-term temporary elsewhere within the LCA.	Non-significant, adverse, long term, reversible elsewhere within the LCA.
SNP LCA 01: Northern Uplands	Medium-high	Medium-low to no change	Array Area reduced in size reducing the Horizontal FoV from this LCA	Non-significant, adverse, short-term temporary.	Non-significant, adverse, long term, reversible
SNP LCA 02: Carneddau Range	High	Low to no change	Array Area reduced in size reducing the Horizontal FoV from this LCA	Non-significant, adverse, short-term temporary.	Non-significant, adverse, long term, reversible
Conwy/Denbighshire LCA C4: Limestone Farmlands (Abergele to Denbigh Coastal/Vale Hills)	Medium	Medium-low at the coastal edge and elevated locations where inland from the coast by approximately 1-1.5km with views out to sea. Reducing to Low or No change further inland.	Array Area reduced in size reducing the Horizontal FoV from this LCA	Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible
Conwy/Denbighshire LCA C9: Limestone Escarpment and Hills	Medium-high	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this LCA	Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible
Conwy/Denbighshire LCA C10: Great Orme and Creuddyn Peninsula	Medium-high	Medium at the coastal edge between Great Orme and Little Orme and from elevated locations on the Great Orme (extending inland from the north by approximately 1km) and the north face of Little Orme. Reducing to Low or No change further inland where	Array Area reduced in size reducing the Horizontal FoV from this LCA	Significant adverse, short term temporary at the coastal edge between Great Orme and Little Orme and from elevated locations on the Great Orme (extending inland from the north by approximately 1km) and the north face of Little Orme. Not significant elsewhere within the LCA.	Significant adverse, long term, reversible at the coastal edge between Great Orme and Little Orme and from elevated locations on the Great Orme (extending inland from the north by approximately 1km) and the north face of Little Orme. Not significant elsewhere within the LCA.

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
		views are restricted or have a developed foreground.			
Clwydian Hills and Dee Valley AONB LCT 2: Hills, Lower Plateau & Scarp Slopes	Medium-high	Low	Array Area reduced in size reducing the Horizontal FoV from this LCA	Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible
Clwydian Hills and Dee Valley AONB LCT 5: Rolling Lowland	Medium-high.	Low	Array Area reduced in size reducing the Horizontal FoV from this LCA	Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible
SCA 2: Conwy Bay	Medium-high	Medium in vicinity of the Great Orme. Medium-low across the upland area between Foel Lus and Conwy Mountain and in the seascape to the north-west. All other parts of the SCA - no change or low	Array Area reduced in size increasing the separation distance and reducing the Horizontal FoV from this SCA	Significant, adverse, short term temporary on the upper and northerly slopes of the Great Orme. Not significant, adverse, short term temporary elsewhere within the SCA.	Significant, adverse, long term, reversible on the upper and northerly slopes of the Great Orme. Not significant, adverse, short term temporary elsewhere within the SCA.
SCA 3: Traeth Lafan	Medium-high	Medium at coastal, north-easterly exposed areas to the north of Beaumaris and south of Viewpoint 28 – Trwyn y Penrhyn parking layby, extending inland by 0.3-0.5km and the section of the immediate coast between a point north of Aber Farm to west of Llanfairfachan. Elsewhere lower or there will be no change.	Array Area reduced in size reducing the Horizontal FoV from this SCA	Significant, adverse, short term temporary in the coastal, north-easterly exposed areas to the north of Beaumaris and south of Viewpoint 28 – Trwyn y Penrhyn parking layby, extending inland by 0.3-0.5km and the immediate coastal area between a point north of Aber Farm to the west of Llanfairfachan. Not significant, adverse, short term temporary elsewhere within the SCA.	Significant, adverse, long term, reversible in the coastal, north-easterly exposed areas to the north of Beaumaris and south of Viewpoint 28 – Trwyn y Penrhyn parking layby, extending inland by 0.3-0.5km and the immediate coastal area between a point north of Aber Farm to the west of Llanfairfachan. Not significant, adverse, short term temporary elsewhere within the SCA.

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
SCA 5: Penmon	Medium-high	Medium at the coastal, northerly exposed areas of the LCA, extending inland by 0.5 to 0.75km and excluding the settled inland and former quarry area to the east. Lower to no change elsewhere.	Array Area reduced in size reducing the Horizontal FoV from this SCA	Significant, adverse, short term temporary in the coastal, northerly exposed areas of the LCA, extending inland by 0.5 to 0.75km. Not significant, adverse, short term temporary to the west of Bwrdd Arthur and in the settled inland and former quarry area to the east.	Significant, adverse, long term, reversible in the coastal, northerly exposed areas of the LCA, extending inland by 0.5 to 0.75km. Not significant, adverse, short term temporary to the west of Bwrdd Arthur and in the settled inland and former quarry area to the east.
SCA 6: Red Wharf Bay to Moelfre	Medium inland and in areas of open seascape. Medium-high along the immediate coastal areas and within the contained areas of sea located between Moelfre headland and level with Bwrdd Arthur to the east where there is a strong association with the wider seascape to the north-east.	Medium-low to No change.	Array Area reduced in size increasing the separation distance and reducing the Horizontal FoV from this LCA	Significant, adverse, short term, temporary along the immediate landward coastline between Moelfre headland and Benllech and south of Benllech and round Red Wharfe Bay to a point level with Ty-mawr north of Pentraeth Forest and within the contained areas of sea located between Moelfre headland and level with Bwrdd Arthur to the east where there is a strong association with the wider seascape to the north-east. Not significant, adverse, short term temporary elsewhere.	Significant, adverse, long term, reversible along the immediate landward coastline between Moelfre headland and Benllech and south of Benllech and round Red Wharfe Bay to a point level with Ty-mawr north of Pentraeth Forest and within the contained areas of sea located between Moelfre headland and level with Bwrdd Arthur to the east where there is a strong association with the wider seascape to the north-east. Not significant, adverse, short term temporary elsewhere.
SCA 7: Dulas Bay	Medium-high along the immediate coastal edge and	No change to Medium-low.	Array Area reduced in size increasing the separation distance and	Significant adverse, short term temporary along the immediate coastal edge and within the sea area to the west of and lying	Significant adverse, long term, reversible along the immediate coastal edge and within the sea area to the west of and lying

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
	within the sea area to the west of and lying between the Islet of Ynas Dulas and Moelfre headland where there is a direct association with the seascape to the north and north-east and Medium elsewhere.		the Horizontal FoV from this LCA	between the Islet of Ynas Dulas and Moelfre headland where there is a direct association with the seascape to the north and north-east. Not significant, adverse, short term temporary elsewhere within this LCA.	between the Islet of Ynas Dulas and Moelfre headland where there is a direct association with the seascape to the north and north-east. Not significant, adverse, short term temporary elsewhere within this LCA.
SCA A - Llandudno Bay	Medium-high.	Medium	Array Area reduced in size reducing the Horizontal FoV from this SCA	Significant adverse, short term temporary.	Significant, adverse, long term, reversible
SCA B - Colwyn Bay	Medium	Medium	Array Area reduced in size reducing the Horizontal FoV from this SCA	Non-significant, adverse, short term temporary.	Significant, adverse, long term, reversible
SCA C - Vale of Clwyd	Medium	Medium	Array Area reduced in size reducing the Horizontal FoV from this SCA	Non-significant, adverse, short term temporary.	Significant, adverse, long term, reversible
IoA AONB Special Quality: Expansive Views	High	Medium-low from Moelfre to west of Bwrydd Arthur and Medium east of Bwrydd Arthur to Penmon Point and north of Beaumaris in views from immediate coastal areas and vantage points.	Array Area reduced in size increasing the separation distance and the Horizontal FoV in views from the AONB.	Significant, adverse, short term, temporary effects on the 'Expansive views' special quality from some limited coastal areas and higher vantage points within the AONB.	Significant, adverse, long term, reversible effects on the 'Expansive views' special quality from some limited coastal areas and higher vantage points within the AONB.

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
		Elsewhere low or negligible/no change.		These are views from Penmon Point towards Puffin Island and Great Orme; Moelfre Headland, Bwrdd Arthur, from Benlech Bay, across Red Wharfe Bay, Penmon Point to Puffin Island, Trwyn y Penrhyn parking to Penmon Point and Great Orme, Beaumaris to Puffin Island and the Great Orme; and sections C: Dulas, D: Moelfre, E: Red Wharfe Bay/Penmon, and F: Penmon Point of the Wales Coast Path. Significant effects on the perceptions of the sense of openness as a result of the introduction of the AyM OWF to views from Dulas Bay, Red Wharfe Bay, and from south-east Anglesey out of Conwy Bay. Significant effects on relative wilderness and the feeling of isolation (from human intervention) would apply in views from the sections of the coast between Moelfre and Point Llynas and along the coast between Penmon Point and Bwrdd Arthur. There would be no change to the perception of exposure as a result of the introduction of AyM OWF to views.	These are views from Penmon Point towards Puffin Island and Great Orme; Moelfre Headland, Bwrdd Arthur, from Benlech Bay, across Red Wharfe Bay, Penmon Point to Puffin Island, Trwyn y Penrhyn parking to Penmon Point and Great Orme, Beaumaris to Puffin Island and the Great Orme; and sections C: Dulas, D: Moelfre, E: Red Wharfe Bay/Penmon, and F: Penmon Point of the Wales Coast Path. Significant effects on the perceptions of the sense of openness as a result of the introduction of the AyM OWF to views from Dulas Bay, Red Wharfe Bay, and from south-east Anglesey out of Conwy Bay. Significant effects on relative wilderness and the feeling of isolation (from human intervention) would apply in views from the sections of the coast between Moelfre and Point Llynas and along the coast between Penmon Point and Bwrdd Arthur. There would be no change to the perception of exposure as a result of the introduction of AyM OWF to views.

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
				Elsewhere the effects would be not significant, adverse, short term, temporary. Views across the Menai Strait or towards more distant borrowed landscapes of Snowdonia, the Isle of Man, the Llyn Peninsula and the mountains of the Lake District would not generally be affected.	Elsewhere the effects would be not significant, adverse, long term, reversible. Views across the Menai Strait or towards more distant borrowed landscapes of Snowdonia, the Isle of Man, the Llyn Peninsula and the mountains of the Lake District would not generally be affected.
IoA AONB Special Quality: Peace and Tranquillity	High for areas classified as 'Undisturbed'. Medium to high elsewhere	Medium-low or Medium at: Viewpoint 7: Penmon Point north-east of parking; Viewpoint 14: Wales Coast Path near Pennrhyn (Traeth yr Ora); Viewpoint 28: Trwyn y Penrhyn parking layby; Viewpoint 42: Mynydd Bodafon – Trig Point; The northerly section of WCP Section C: Dulas Bay; the northerly section of WCP Section E Red Wharfe Bay/Penmon; and WCP Section F Penmon Point in part. Low or negligible/no change elsewhere	Array Area reduced in size increasing the separation distance and the Horizontal FoV in views from the AONB.	Significant, adverse, short term, temporary effects identified at: • Viewpoint 14: Wales Coast Path near Pennrhyn (Traeth yr Ora); • Viewpoint 28: Trwyn y Penrhyn parking layby; • Viewpoint 42: Mynydd Bodafon – Trig Point; • The northerly section of WCP Section C: Dulas Bay; • the northerly section of WCP Section E Red Wharfe Bay/Penmon; and • WCP Section F Penmon Point in part. Effects on other receptors assessed not significant, adverse, short term, temporary.	Significant, adverse, long term, reversible effects identified at: • Viewpoint 14: Wales Coast Path near Pennrhyn (Traeth yr Ora); • Viewpoint 28: Trwyn y Penrhyn parking layby; • Viewpoint 42: Mynydd Bodafon – Trig Point; • The northerly section of WCP Section C: Dulas Bay; • the northerly section of WCP Section E Red Wharfe Bay/Penmon; and • WCP Section F Penmon Point in part. Effects on other receptors assessed not significant, adverse, short term, temporary.
IoA AONB Special Quality: Islands around Anglesey	High	26 islands no change Puffin Island-Medium Ynys Moelfre – Medium-low	Array Area reduced in size increasing the separation distance and	Significant, adverse, short term, temporary effects on the visual interaction between the landscape/ seascape where the	Significant, adverse, long term, reversible effects on the visual interaction between the landscape/ seascape where the

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
		Ynys Dulas- Medium-low East Mouse (Ynys Amlwch) - Low	the Horizontal FoV in views from the AONB.	AyM OWF would form part of the backdrop to the islands of Ynys Moelfre, Ynys Dulas and Puffin Island. Elsewhere the effects on the Islands around Anglesey would be not significant, adverse.	AyM OWF would form part of the backdrop to the islands of Ynys Moelfre, Ynys Dulas and Puffin Island. Elsewhere the effects on the Islands around Anglesey would be not significant, adverse.
SNP Special Quality: Diverse landscapes	Medium-high	Low	Array area reduced in size reducing the Horizontal FoV in views forming part of the experience of this Special Quality.	Non-significant, adverse, short-term temporary.	Non-significant, adverse, long term, reversible
SNP Special Quality: Tranquility & solitude – Peaceful Areas.	Medium-high	Low	Array area reduced in size reducing the Horizontal FoV in views forming part of the experience of this Special Quality.	Non-significant, adverse, short-term temporary.	Non-significant, adverse, long term, reversible
Clwydian Range and Dee Valley AONB Special Quality: Landscape Character and Quality – Tranquillity	Medium-high	Low	Array Area reduced in size reducing the Horizontal FoV from this SCA	Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible
Clwydian Range and Dee Valley AONB Special Quality: Landscape Character and Quality – Remoteness and Wildness/Wilderness	Medium-high	Low	Array Area reduced in size reducing the Horizontal FoV from this SCA	Non-significant, adverse, short term temporary.	Non-significant, adverse, long term, reversible

Table 10: Summary of potential effects on Seascape, Landscape and Visual representative viewpoints (MDS B).

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
IMPACTS RESULTING FROM VISIBILITY OF THE AYM OWF WITHIN THE SEASCAPE					
VP2: Point Lynas - PRoW to north of lighthouse	High	Low	Array Area reduced in size increasing the separation distance from this VP.	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 4: Moelfre Headland at sculpture (Daytime)	Medium-high	Medium-low	Array Area reduced in size increasing the separation distance from this VP.	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 4: Moelfre Headland at sculpture (Night-time)	Medium-high	Medium-low (operation)	Array Area reduced in size increasing the separation distance and the Horizontal FoV from this VP.	NA	Significant, adverse, long term, reversible
VP 7: Penmon Point - north-east of parking	High	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 8: Beaumaris - Wales Coast Path	High	Medium	No change	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 10: Carnedd Llewelyn	High	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 12: Conwy Mountain	Medium-high	Medium	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 13: Great Orme - near summit complex	Medium-high	Medium-high	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible

IMPACT	SENSITIVITY OF RECEPTOR	MAGNITUDE DURING CONSTRUCTION, OPERATION AND DECOMMISSIONING	MITIGATION MEASURES	RESIDUAL EFFECT DURING CONSTRUCTION AND DECOMMISSIONING	RESIDUAL EFFECT DURING OPERATION
VP 13: Great Orme - near summit complex (Night-time)	Medium	Medium (operation)	Array Area reduced in size reducing the Horizontal FoV from this VP	NA	Significant, adverse, long term, reversible
VP 17: Penrhyn Castle terrace	Medium-high	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 18: Llandudno paddling pool	Medium-high	Medium-high	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 22: Abergele promenade	Medium-high	Medium-low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 22: Abergele promenade (Night-time)	Medium	Medium-low (operation)	Array Area reduced in size reducing the Horizontal FoV from this VP	NA	Non-significant, adverse, long term, reversible
VP 24: Graig Fawr	High	Low	Array Area reduced in size reducing the Horizontal FoV from this VP	Non-significant, adverse, short term temporary	Non-significant, adverse, long term, reversible
VP 29: Colwyn Bay promenade	Medium-high	Medium-high	Array Area reduced in size reducing the Horizontal FoV from this VP	Significant, adverse, short term temporary	Significant, adverse, long term, reversible
VP 60: Foel Lus (Night-time)	Medium	Medium-low (operation)	Array Area reduced in size reducing the Horizontal FoV from this VP	NA	Non-significant, adverse, long term, reversible

Table 11: Summary of predicted effects on Offshore Archaeology and Cultural Heritage.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Removal of sediment containing undisturbed archaeological contexts leading to total loss of the receptor during preparation of the seabed for WTGs and offshore substation foundations.	High adverse	High to negligible sensitivity	Implementation of Written Scheme of Investigation (WSI). Implementation of Archaeological Exclusion Zones (AEZs). Archaeological investigation of seabed anomalies (A2s) prior to impact. Implementation of a (Protocol for Archaeological Discoveries) PAD.	Minor to negligible adverse or minor to moderate beneficial
Penetration and compression effects of jack-up legs and anchoring of construction vessels during turbine, sub-station or cable installation leading to total or partial loss of archaeological receptors.	High adverse	High to negligible sensitivity	Implementation of WSI. Implementation of AEZs. Archaeological investigation of seabed anomalies (A2s) prior to impact. Implementation of a PAD. Archaeological assessment of any geotechnical data.	Low to negligible adverse or minor to moderate beneficial
Intrusion of piling foundations disturbing archaeological contexts leading to a partial or total loss of the receptor	High adverse	High sensitivity	Implementation of WSI. Archaeological assessment of any geotechnical work for any palaeogeographic sites or material. Implementation of a PAD.	Minor to negligible adverse or major beneficial
Disturbance of sediment containing potential archaeological receptors (material and contexts) during	High adverse	High to negligible sensitivity	Implementation of WSI. Implementation of AEZs, Further assessment of A2 anomalies, and implementation of a PAD.	Minor to negligible adverse or minor to moderate beneficial

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
inter-array and export cable laying operations				
Indirect effects upon known and potential marine archaeological receptors as a result of changes to sedimentation and erosion patterns.	High adverse	High to negligible sensitivity	Scour protection. Review of monitoring data to assess whether AEZs have been impacted or whether buried material has been exposed (archaeological assessment of survey data and/or implementation of PAD)	Minor to negligible adverse or minor to moderate beneficial
Compression of stratigraphic contexts containing archaeological material from combined weight of foundation, transition piece, tower, and wind turbine.	High adverse	High to negligible sensitivity	Implementation of WSI Archaeological assessment of geotechnical data.	Minor to negligible adverse or minor to moderate beneficial
OPERATION				
Total or partial loss of archaeological receptors during the operation and maintenance phase due to penetration and compression effects	High adverse	High to negligible sensitivity	Implementation of WSI. Retention of AEZs. Avoidance of A2 anomalies. Archaeological assessment of geoarchaeological data pre-construction.	Minor to negligible adverse or minor to moderate beneficial
Total or partial loss of archaeological receptors during the operation and maintenance phase due to scour effects	High adverse	High to negligible sensitivity	Assignment and monitoring of potential scour in AEZs. Scour protection. Review of monitoring data to assess whether buried material has been exposed (archaeological assessment of survey data and/or implementation of PAD)	Minor to negligible adverse or minor beneficial

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
DECOMMISSIONING				
Total or partial loss of archaeological receptors during the decommissioning phase due to penetration and compression effects	High adverse	High to negligible sensitivity	Implementation of WSI. Retention of AEZs. Avoidance of A2 anomalies.	Minor to negligible adverse or minor to moderate beneficial
Total or partial loss of archaeological receptors during the decommissioning phase due to the draw-down of sediments	High adverse	High to negligible sensitivity	Implementation of WSI. Reviewing AEZs to ensure modeled draw-down of sediments will not occur within AEZ. Review of monitoring data to assess whether buried material has been exposed (archaeological assessment of survey data and/or implementation of PAD)	Minor to negligible adverse or minor beneficial
CUMULATIVE EFFECTS				
Effects on known and potential archaeological receptors	High adverse Combined impact of a number of projects on the same receptor and incremental changes over time and over a wide area	High to negligible sensitivity	Impact from other projects unlikely due to distance, and indirect impacts from AyM are localised Incremental changes over time managed through standard mitigation measures across the EIA process	Minor to negligible adverse or minor to moderate beneficial

Table 12: Summary of potential effects on Infrastructure and Other Users.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Impacts on other offshore wind farms	Negligible adverse	Low - High	None beyond the embedded measures proposed	Minor adverse (not significant)
Potential impacts on non-OWF cables and pipelines.	Negligible adverse	High	None beyond the embedded measures proposed	Minor adverse (not significant)
Potential impact on recreational fishing	Low adverse	Low	N/A	Minor adverse (not significant)
OPERATION				
Potential impacts on cables	Negligible adverse	Low	None beyond the embedded measures proposed	Minor adverse (not significant)
Potential impact on recreational fishing	Negligible adverse	Low	N/A	Minor adverse (not significant)
DECOMMISSIONING				
Impacts from decommissioning are expected to be similar to those listed for construction, if the project's infrastructure is removed from the seabed at the end of the development's operational life. If, closer to the time of decommissioning, it is deemed removal of certain aspects of the development (for example cables) would have a greater environmental impact than leaving *in situ*, it may be preferable to leave those aspects *in situ*. In this case, the impacts for decommissioning would be similar to those described for the O&M, except where effects are dependent on the maintenance of the project.				
CUMULATIVE EFFECTS				
Potential impact on recreational fishing	Low adverse	Medium	N/A	Minor adverse (not significant)

Table 13: Summary of effects on Aviation and Radar.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Creation of an aviation obstacle	Low adverse	Medium	None proposed beyond existing embedded mitigation and commitments.	Minor adverse (not significant)
OPERATION				
Creation of an aviation obstacle	Low adverse	Medium	None proposed beyond existing embedded mitigation and commitments	Minor adverse (not significant)
Wind turbines causing permanent interference on civil and military radar systems	Medium adverse	High	NATS – Radar blanking and infill. The present position of the MOD regarding mitigation is discussed in Volume 2, Chapter 13 With agreed mitigation in place impact will be negligible	Minor adverse (not significant)
Wind turbines creating an impact to Instrument Flight Rules offshore helicopter operations to oil and gas platforms	Medium adverse	Low	None proposed beyond existing embedded mitigation and commitments	Minor adverse (not significant)
DECOMMISSIONING				
Creation of an aviation obstacle	Low adverse	Medium	None proposed beyond existing embedded mitigation and commitments	Minor adverse (not significant)
CUMULATIVE EFFECTS				
Creation of an aviation obstacle	Low adverse	Medium	None proposed beyond existing embedded mitigation and commitments	Minor adverse (not significant)
Wind turbines causing permanent interference on civil and military radar systems	Medium adverse	High	NATS – Radar blanking and infill. The present position of the MOD regarding mitigation is discussed in	Minor adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
			Volume 2, Chapter 13 With agreed mitigation in place impact will be negligible	

3 Onshore Effects

Table 14: Summary of predicted construction effects on landscape and visual receptors from onshore infrastructure

RECEPTOR	SENSITIVITY	MAGNITUDE OF CHANGE	EFFECT
PHYSICAL LANDSCAPE EFFECTS			
Agricultural Land	Medium – Low	Medium – Low	Minor and Not Significant
Hedgerows	Medium	Medium – Low	Moderate-Minor and Not Significant
Taller hedgerows and hedgerow trees found along the onshore ECC.	Medium – High	Medium	Moderate and Significant
Trees within the OnSS site area.	Medium – High	High	Major and Significant
Coastal Landscape	Medium	Low	Minor and Not Significant
LANDSCAPE CHARACTER EFFECTS (ONSS)			
A1. Eastern Lowlands (Cefn Meiriadog Vale Slopes)	Medium	High	Moderate-Major and Significant
C4. Limestone Farmlands (Abergele to Denbigh Coastal/Vale Hills)	Medium	Medium - Low	Moderate-Minor and Not Significant
Bodelwyddan Park RHPG	Medium - High	Medium - Low	Moderate and Not Significant
VISUAL EFFECTS (CABLE ROUTE AND LANDFALL)			
Wales Coast Path, NCR 5	Medium - High	Low	Moderate-Minor and Not Significant

RECEPTOR	SENSITIVITY	MAGNITUDE OF CHANGE	EFFECT
Visitors to the Robin Hood Holiday Park	Medium	Medium - Low	Moderate-Minor and Not Significant
Chester to Holyhead railway line	Medium	Medium	Not Significant
PRoW to the south of Rhyl between the B5119 and A547 (including the North Wales Path)	Medium - High	Medium	Moderate and Significant
Bryn Celyn Cottages	High	Low	Moderate-Minor and Not Significant
Bryn Cwnin Farmhouse	High	Negligible	Minor and Not Significant
Bryn-y-wal Farm,	Medium – High	Medium - Low	Moderate and Not Significant
Cwybr Bach	Medium – High	Medium - High	Moderate – Major and Significant
Plas Lorna;	Medium - High	High	Major and Significant
Cwybr Fawr	Medium	Medium	Moderate and Not Significant
Faenol-Bropor	High	High	Major and Significant
Bridlepath (PRoW 201/9) to the north of the OnSS zone	Medium	High	Moderate – Major and Significant
B5381 Glascoed Road	Medium	High	Moderate – Major and Significant
Waen Meredydd	Medium	Medium-High	Moderate and Significant
VISUAL EFFECTS (ONSS)			
Viewpoint 1 - Bridlepath nr Faenol-Bropor	Medium	High	Moderate-Major and Significant

RECEPTOR	SENSITIVITY	MAGNITUDE OF CHANGE	EFFECT
Viewpoint 2 - St Asaph, Business Park	Medium - Low	Medium - Low	Minor and Not Significant
Viewpoint 3 – Glascoed Rd	Road Users Medium - Low	High	Moderate and Significant
	Residential Medium – High	High	Major and Significant
The Denbighshire Memorial Park and Crematorium	Medium - High	High	Major and Significant
Viewpoint 4 - A55	Medium - Low	Medium	Moderate-Minor and Not Significant
Viewpoint 5 - Minor Rd, Groesffordd	Medium - High	Medium	Moderate and Significant

Table 15: Summary of predicted operational effects on landscape and visual receptors from onshore infrastructure

RECEPTOR	SENSITIVITY	MAGNITUDE OF CHANGE	EFFECT	MAGNITUDE OF CHANGE	RESIDUAL EFFECT
		YEAR 1	YEAR 1	YEAR 15	YEAR 15
LANDSCAPE CHARACTER EFFECTS (ONSS)					
A1. Eastern Lowlands (Cefn Meiriadog Vale Slopes)	Medium	Medium - High	Moderate and Significant	Medium	Moderate and Not Significant
C4. Limestone Farmlands (Abergele to Denbigh Coastal/Vale Hills)	Medium	Medium - Low	Moderate-Minor and Not Significant	Low	Minor and Not Significant
Bodelwyddan Park RHPG	Medium - High	Medium - Low	Moderate and Not Significant	Low	Moderate-Minor and Not Significant
VISUAL EFFECTS (ONSS)					
Viewpoint 1 - Bridlepath nr Faenol-Bropor	Medium	High	Moderate-Major and Significant	Medium - High	Moderate and Significant
Viewpoint 2 - St Asaph, Business Park	Medium - Low	Medium	Minor and Not Significant	Medium	Minor and Not Significant
Viewpoint 3 – Glascoed Rd	Road Users Medium - Low	Medium - High	Moderate and Significant	Low	Minor and Not Significant
	Residential Medium - High	Medium - High	Moderate-Major and Significant	Low	Moderate-Minor and Not Significant
The Denbighshire Memorial Park and Crematorium	Medium - High	Medium - High	Moderate-Major and Significant	Low	Moderate-Minor and Not Significant
Viewpoint 4 - A55	Medium - Low	Medium	Moderate-Minor and Not Significant	Low	Minor and Not Significant
Viewpoint 5 - Minor Rd, Groesffordd	Medium - High	Medium	Moderate and Significant	Medium - Low	Moderate and Not Significant

Table 16: Summary of predicted effects on Socio Economic Receptors

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Employment (North Wales)	Negligible	High	n/a	***Minor beneficial*** (Not significant)
Employment (Wales)	Negligible	High	n/a	***Minor beneficial*** (Not significant)
The economy (North Wales)	Negligible	High	n/a	***Minor beneficial*** (Not significant)
The economy (Wales)	Negligible	High	n/a	***Minor beneficial*** (Not significant)
Community Facilities (LAI)	Negligible (for Beacon Baptist Church, St Illud's RC Church, Ysgol Bryn Hedydd, Sea Bank Surgery, Rhuddlan Clinic, and The Rhuddlan Surgery); and Low (for North Wales Bowls Centre, Festival Church Prestatyn and Parish Church of St Mary)	Medium	▲ Working hours ▲ Rolling construction ▲ NVMP ▲ Perimeter fencing	**Minor adverse** (Not significant)
Healthcare Services (LSA)	Negligible	Medium	n/a	**Minor adverse** (Not significant)
OPERATION				
Employment (North Wales)	Negligible	High	n/a	***Minor beneficial*** (not significant)
Employment (Wales)	Negligible	High	n/a	***Minor beneficial*** (not significant)
The economy (North Wales)	Low	High	n/a	Moderate beneficial (significant)
The economy (Wales)	Negligible	High	n/a	***Minor beneficial*** (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
DECOMMISSIONING				
It is assumed that the residual effect for all socio-economic receptors will minor (but are likely to be lower in magnitude) to the project's construction phase. Based on the assessment, it is anticipated that the decommissioning of AyM will have a ***minor beneficial*** (i.e. not a significant effect) on the North Wales economy.				
CUMULATIVE EFFECTS				
Impact of construction on employment (North Wales)	Negligible	High	n/a	***Minor beneficial*** (Not Significant)
Impact of construction on employment (Wales)	Negligible	High	n/a	***Minor beneficial*** (Not Significant)
Impact of construction on the economy (North Wales)	Low	High	n/a	Moderate beneficial (Significant)
Impact of construction on the economy (Wales)	Negligible	High	n/a	***Minor beneficial*** (Not Significant)
Impact of construction on demand for healthcare services (LSA)	Low	Medium	n/a	***Minor adverse*** (Not Significant)
Impact of operations on employment (North Wales)	Negligible	High	n/a	***Minor beneficial*** (Not Significant)
Impact of operations on employment (Wales)	Negligible	High	n/a	***Minor beneficial*** (Not Significant)
Impact of operations on the economy (North Wales)	Negligible	High	n/a	***Minor beneficial*** (Not Significant)
Impact of operations on the economy (Wales)	Negligible	High	n/a	***Minor beneficial*** (Not Significant)

Table 17: Summary of predicted effects on Tourism and recreation receptors.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Impact of construction on onshore recreation	Landfall construction **negligible to medium** depending on receptor; Cable installation – **no change** (River Clwyd), negligible (Bruton Park, NCN84 and North Wales Path), **low** (cycleways and PRoW).	**High** - NCN5, Wales Coast Path, Bruton Park/ Maes Bruton and Footpaths 206/30 & 206/29. NCN84 and North Wales Path; **Low or Medium** – Ffrith Beach, Ffrith Park, Link Path, A548 Cycleway, BOAT 206/44, Footpaths 206/20 and 201/12, Pentre Lane, Bridleways 206/12, 201/10 and 201/9.		**Minor adverse** (Not Significant) effect on all onshore recreation receptors identified.
Impact of construction on offshore recreation	Landfall construction – **negligible**; Turbine foundation and seabed preparation – **low**; Installation of turbine and (offshore) substation foundations – **medium**; Installation of export and array cables – **medium**; and Installation of WTG and offshore substation(s) – **medium**.	**Low** – bathing, water sports, scuba diving and recreational sailing.		**Minor adverse** (Not Significant) for all offshore receptors.
Impact of construction activity on tourism receptors	**Negligible** – Ffrith Park/ Ffrith Beach Arena Park, Rhuddlan Local Natural Reserve, Pen-Y-Ffrith Caravan Park, Astrobowl and Rhyl Golf Club; **Low** – North Wales Bowls Centre, Rhuddlan Castle and Rhuddlan Golf Course; **Medium** – Pirate Island Golf	**Low** – North Wales Bowls Centre, Rhyl Golf Club, Ffrith Park/ Ffrith Beach Arena Park, Pirate Island Golf, Rhuddlan Local Natural Reserve, Lyons Robin Hood Holiday Park, New Pines Holiday Home Park and Rhuddlan Golf Club; and **Medium** – Rhuddlan Castle and Astrobowl		**Minor adverse** (Not Significant) for Pirate Island Golf, Astrobowl, Lyons Robin Hood Holiday Park, New Pines Holiday Home Park, North Wales Bowls Centre, Rhuddlan Castle, and Rhuddlan Golf Club; **Negligible** (Not Significant) for Rhyl Golf Club, Pen-Y-Ffrith Caravan Park, Ffrith Beach Touring Caravan Park, Ffrith Park/ Ffrith Beach Arena

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
				Park, ad Rhuddlan Local Natural Reserve.
Impact of construction activity on volume and value of the tourism economy	**Negligible** on local impact area as a whole Rhyl, Prestatyn, Kinmel Bay and Abergele – negligible Abergele to Rhos-on-Sea (including Colwyn Bay) – negligible; and Great Orme and Llandudno – **low** in short term only	High		**Minor adverse** on local impact area as a whole (Not Significant) **Moderate adverse** (Significant) for Great Orme and Llandudno in short term only. **Minor adverse** (Not Significant) for Rhyl, Prestatyn, Kinmel Bay and Abergele; and Abergele to Rhos-on-Sea.
Impact of construction activity on displacement of tourism visitors	**Low** (overall) ▲ Mostyn – negligible; ▲ Rhyl – negligible; ▲ Conwy – negligible; ▲ Port Penrhyn – low; and ▲ Holyhead – negligible.	Medium		(Overall) **Minor adverse** (Not Significant) **Minor adverse** (Not Significant) for Mostyn, Rhyl, Conwy, Port Penrhyn and Holyhead
OPERATION				
Impact of operational activity on onshore recreation	Generally **negligible** increasing to **low** when repairs are required	Same as per construction phase		Generally **negligible/ minor adverse** (Not Significant), increasing to **moderate adverse** (temporarily Significant) on local (i.e. affected) receptors if repairs are needed.
Impact of operational activity on offshore recreation	Generally **negligible**, with potential to increase to **low** when repairs are required	Same as per construction phase		**Minor adverse** (Not Significant) for scuba diving. **Negligible** (Not Significant) for bathing, water sports and recreational sailing.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Impact of operational phase on visitor receptors	Generally **negligible**, with potential to increase to **low** when repairs are required	Same as per construction phase		**Minor adverse** (Not Significant) for all receptors.
Impact of operational phase on the volume and value of tourism economy	**Negligible** for the Rhyl, Prestatyn, Kinmel Bay and Abergele area and the Abergele to Rhos-on-Sea (including Colwyn Bay) area • **Low** for the Llandudno and Great Orme area in short-term and **negligible** in longer term.	High		. Minor (Not Significant) for the Rhyl, Prestatyn, Kinmel Bay and Abergele area and the Abergele to Rhos-on-Sea (including Colwyn Bay) area Moderate adverse (Significant) for the Llandudno and Great Orme area in the short term, whilst minor in the longer term (Not significant).
DECOMMISSIONING				
It is assumed that the residual effect for all tourism and recreation receptors will minor (but are likely to be lower in magnitude) to the project's construction phase.				
CUMULATIVE EFFECTS				
Cumulative impact of construction on onshore recreation receptors	Negligible	**Low to high** (for equivalent receptors in the assessment of AyM).		**Minor adverse** (Not Significant)
Cumulative impact of construction on offshore recreation receptors	Negligible	**Low to high** (for equivalent receptors in the assessment of AyM).		**Minor adverse** (Not Significant)
Cumulative impact of construction on the volume and value of tourism economy	Negligible	High		**Minor adverse** (Not Significant)
Cumulative impact of construction on the displacement of tourism visitors	Low	Medium		**Minor adverse** (Not Significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Cumulative impact of operational activity on onshore recreation	Negligible	**Low to high** (for equivalent receptors in the assessment of AyM).		**Minor adverse** (Not Significant)
Cumulative impact of operational phase on volume and value of the tourism economy	Negligible	High		**Minor adverse** (Not Significant)

Table 18: Summary of predicted effects on onshore biodiversity and nature conservation receptors

IMPORTANT ECOLOGICAL FEATURE	POTENTIAL IMPACTS	PROPOSED MITIGATION/ COMPENSATION	SIGNIFICANCE OF RESIDUAL EFFECT
CONSTRUCTION			
S7 habitat: coastal sand dune (Route Section B)	c. 0.1 ha of coastal sand dune habitat, west of North Wales Bowl Centre at Y Ffrith would be temporarily lost.	The re-establishment of dune grassland habitats from turf salvaged from specific areas or the creation of dune grassland via reinstatement of appropriate soils and seeding. Further details are included within the OLEMP (application ref: 8.4).	Significant, temporary adverse at a local level in the short term. Not significant in mid-term once proposed mitigation has matured and become established.
S7 habitat: Hedgerows (Route Sections B-G)	S7 habitat: Hedgerows (Route Sections B-G): "Permanent loss of c. 540m of hedgerow including at least 8 mature trees at the OnSS footprint, temporary loss of parts of 128 other hedgerows, including at least 41 mature trees. Other hedgerow trees typically smaller may also be lost, but have not been specifically counted. This includes three that are "Important" under the Hedgerows Regulations 1997	Onshore ECC Replanting/ reinstatement with a species-rich, locally appropriate native mixture including heavy standard trees at a 3:1 ratio for any lost. OnSS footprint Residual effects will be offset via replanting of 770m and including heavy standard trees at a 3:1 ratio for any lost. Further details are included within the OLEMP (application ref: 8.4).	Significant permanent and temporary adverse at a local level in the short term until the proposed mitigation is sufficiently mature and becomes established. Not significant in mid-term once proposed mitigation has matured and become established as this allows time for new/ replacement hedgerows to establish. Residual effects as a result of hedgerow loss at the OnSS will be offset via compensatory planting of 770m of new hedgerow.
S7 habitat: Lowland Fen (Route Section C)	0.12 ha of lowland fen at The Flash would be temporarily lost.	Topography including hydrological connection reinstated following work to ensure water retention. Area allowed to revegetate naturally. Further details are included within the OLEMP (application ref 8.4).	Not significant in short term.
S7 habitat: Coastal and floodplain grazing marsh including part of the	11 ha of coastal and floodplain grazing marsh (fields and ditches), the majority of which is also part of Clwyd Estuary and Adjacent Fields LWS, will be temporarily lost.	A range of measures relating to vegetation clearance and other construction works are proposed in Section 5.9 of ES Volume 3, Chapter 5 with further details provided in	Not significant in short term.

IMPORTANT ECOLOGICAL FEATURE	POTENTIAL IMPACTS	PROPOSED MITIGATION/ COMPENSATION	SIGNIFICANCE OF RESIDUAL EFFECT
Clwyd Estuary and Adjacent Fields LWS (Sections D & E)		the Outline CMS (application ref: 8.13.1) and OLEMP (application ref: 8.4)	
Plant species (at coastal dune habitat)	Temporary loss of coastal habitat at Y Ffrith, west of North Wales Bowls Centre, potentially supporting locally important plant species (refer to Habitat report at Annex 5.2 (application ref: 6.5.5.2) for details).	As for coastal sand dune habitat in Table 15 of ES Volume 3, Chapter 5	Potentially significant, temporary adverse at a county level in the short term until the proposed mitigation is sufficiently mature and become established. Not significant in mid-term once proposed mitigation has matured and become established.
Fish: Atlantic salmon, brown trout, European eel	Disturbance to European eel that may use water courses, including ditches, that are subject to trenching work within the OL. Accidental pollution from diffuse or point sources associated with construction.	Trenching work at smaller water courses and ditches will not take place at night, and will include measures such that eels cannot become trapped within the work area. Refer to embedded mitigation at Section 5.9 of ES Volume 3, Chapter 5 for measures to reduce pollution risks.	Not significant in the short term.
Invertebrates (using coastal dune habitat)	Temporary loss of coastal habitat.	As for coastal sand dune habitat in Table 15 of ES Volume 3, Chapter 5	Potentially significant, temporary adverse at a county level in the short term until the proposed mitigation is sufficiently mature and become established. Not significant in mid-term once proposed mitigation has matured and become established.
Invertebrates (using coastal and floodplain grazing marsh	Temporary loss of habitat	As for coastal and floodplain grazing marsh habitats in Table 15 of ES Volume 3, Chapter 5	Not significant in short term
GCN and common toad	Permanent loss of 5 ha of terrestrial habitat and temporary loss of 10.56 ha of terrestrial habitat directly adjacent to GCN breeding ponds, also	GCN EPSL required from NRW in advance of work within 250m of GCN potential breeding pond.	No significant effect is likely on the local conservation statusi of any of the

[i] conservation status of a species means the sum of the influences acting on the species concerned that may affect the long-term distribution and abundance of its populations within the territory referred to in Article 2 of the EC Habitats Directive;

IMPORTANT ECOLOGICAL FEATURE	POTENTIAL IMPACTS	PROPOSED MITIGATION/ COMPENSATION	SIGNIFICANCE OF RESIDUAL EFFECT
	used by common toads, at SABP (Route Section F). Temporary loss of terrestrial habitats directly adjacent to GCN breeding ponds also used by common toads along the route. Temporary habitat fragmentation/isolation resulting in functional loss of terrestrial habitat and breeding ponds. Accidental killing and injury. Accidental pollution to breeding ponds from diffuse or point sources associated with construction.	The EPSL application and Method Statement will include the measures that will be implemented. Refer to embedded mitigation at Section 5.9 of ES Volume 3, Chapter 5 for measures to reduce pollution risks. Further details are included within the OLEMP (application ref: 8.4).	metapopulations present following the implementation of mitigation measures. The project would help toward restoring the favourable conservation status in the medium-long term, due to the provision of additional aquatic and terrestrial habitats managed for the benefit of the species for the lifetime of the project.
Reptiles	Temporary habitat loss at the TCC at Y Ffrith or other locations where habitat is potentially suitable. Accidental killing and injury.	Mitigation for GCN will also reduce risks to reptiles. Reasonable avoidance measures would be used at Y Ffrith and elsewhere where necessary, to reduce the risk of committing an offence under the protecting legislation. Refer to the OLEMP (application ref: 8.4) for further details.	No significant effect is likely.
Breeding Birds	Permanent loss of 5 ha of habitat at the OnSS used by small numbers of notable passerine species. Temporary loss of habitat for small numbers of notable passerine species along the onshore ECC. Disturbance to a Schedule 1 bird species (barn owl) along the onshore ECC during construction.	A range of measures relating to vegetation clearance and other construction works are proposed in Section 5.9 of ES Volume 3, Chapter 5. Proposed habitat creation and management at the OnSS will provide suitable habitat for a range of notable passerine species.	No significant effect on the local conservation status is likely following the implementation of mitigation measures

As defined in Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora Article 1(i) The conservation status will be taken as "favourable" when: - population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats, and - the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and - there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis;

IMPORTANT ECOLOGICAL FEATURE	POTENTIAL IMPACTS	PROPOSED MITIGATION/ COMPENSATION	SIGNIFICANCE OF RESIDUAL EFFECT
	Inadvertent destruction or damage to active nests (all wild bird species).	Further details of proposed measures are provided in the Outline CMS (application ref: 8.13.1) and OLEMP (application ref: 8.4)	
Non-Breeding Birds (Landfall and River Clwyd, including birds forming part of the Clwyd Estuary and Adjacent Fields LWS population)	Landfall Temporary loss of up to 2.4 ha of intertidal habitat Y Ffrith. Disturbance, both from noise and visual sources could displace waterbirds.	Subject to the final design parameters, piling (if required at the landfall) would either take place outside the winter period (October to March) or utilize less noisy, vibro-piling technology, unless otherwise agreed. If required, depending on the final locations and timing of the works, HDD pits and other working areas at the landfall and River Clwyd crossing would be screened, where possible.	Landfall – not significant River Clwyd – not significant
Bats	Loss of up to 49 trees that have potential roost features. Permanent loss of flight lines and foraging habitat at the OnSS area. Temporary fragmentation of hedgerow flight lines and loss of foraging habitat elsewhere along the onshore ECC.	An NRW EPSL will be required in advance of work that could affect roosting bats. Key principles that will be followed to mitigate and compensate for impacts are described in the OLEMP (application ref: 8.4). One of the key principles is that there will be no net loss of bat roosting habitat. Measures to mitigate for temporary loss/fragmentation of flight lines and foraging habitat include reinstatement of hedgerows and use of "dead hedges" at discrete locations during construction (refer to OLEMP (application ref: 8.4) for details).	No significant effect is likely on the local conservation status of bat populations as a result of temporary habitat loss following the implementation of mitigation measures. Residual effects as a result of permanent loss of roost trees (at the OnSS and along the Onshore ECC) and permanent loss of hedgerow at the OnSS will be offset via compensatory measures at the OnSS, detailed in the OLEMP (application ref: 8.4). Compensatory measures include replanting of 770m of hedgerow and including heavy standard trees at a 3:1 ratio for any lost (see Section 6.3.2 of the Outline Landscape and Ecology Management Plan (OLEMP)). The effects of permanent loss of foraging habitat are therefore considered significant in the short term, but not significant in the mid-term (once proposed mitigation has matured and become established as this allows time for new/ replacement hedgerows to establish).Compensation and

IMPORTANT ECOLOGICAL FEATURE	POTENTIAL IMPACTS	PROPOSED MITIGATION/ COMPENSATION	SIGNIFICANCE OF RESIDUAL EFFECT
			mitigation measures in respect of roosting bats would be the subject of an Natural Resources Wales (NRW) European Protected Species Licence (EPSL) (if necessary), which would be informed by pre-construction survey data. No significant residual effect is likely in the short term and mid to long term, on the local conservation status of bat populations following the implementation of the EPSL mitigation/compensation measures agreed with NRW, based upon survey data to date and the commitment to mitigation/compensation for loss of Potential Roost Features (PRF) made in Section 6.3.2 of the OLEMP.
Badger	No known setts will be directly affected, either via disturbance or damage. Temporary loss of foraging habitat along the onshore ECC, permanent loss of c. 5 ha of foraging habitat at the OnSS. Accidental killing and injury. The project is not predicted to significantly adversely affect the local population due to the abundance of adjacent unaffected agricultural grassland. However, in view of the species' legal protection mitigation measures are proposed.	Pre-construction surveys and reasonable avoidance measures would be used to reduce the risk of committing an offence under the protecting legislation.	No significant effect is likely.
Otter	No known holt sites will be affected, either via disturbance or damage. Temporary fragmentation of foraging areas/routes. Accidental killing and injury.	Pre-construction surveys and reasonable avoidance measures would be used to reduce the risk of committing an offence under the protecting legislation. These would be broadly similar to those described for badger (above).	***No significant effect*** on the local conservation status is likely following the implementation of mitigation measures

IMPORTANT ECOLOGICAL FEATURE	POTENTIAL IMPACTS	PROPOSED MITIGATION/ COMPENSATION	SIGNIFICANCE OF RESIDUAL EFFECT
		If pre-construction survey identifies new holts or resting places then a licence may be necessary from NRW depending on the nature of any impact. Further details are included in the OLEMP (application ref: 8.4).	
Water Vole	Based on current survey data there will be no impacts on water vole. If it is later confirmed to be present, then impacts could include Temporary loss of foraging and sheltering habitat. Temporary fragmentation of foraging areas/routes. Accidental killing and injury.	Pre-construction surveys and reasonable avoidance measures would be used to reduce the risk of committing an offence under the protecting legislation If pre-construction survey identifies active burrows, then mitigation would include scheduling of work to avoid sensitive periods of the water vole life cycle and deterrence or, if necessary, removal of water vole from areas where there is risk of injury or death in advance. Further details are included in the OLEMP (application ref: 8.4).	***No significant effect*** on the local conservation status is likely following the implementation of mitigation measures, if required.
Other S7 Mammal Species: hedgehog, brown hare, polecat.	Temporary loss of foraging and sheltering habitat, permanent loss if present at the substation area. Temporary fragmentation of foraging areas/routes. Accidental killing and injury.	Reasonable avoidance measures would be used to minimize impacts. Refer to embedded mitigation at Section 5.9 of ES Volume 3, Chapter 5 and the OLEMP (application ref: 8.4).	Not significant
OPERATION			
All important ecological features	Disturbance or damage to features due to planned maintenance at the OnSS and along the ECC. Disturbance or damage to features due to operational noise and lighting at the OnSS.	Through the adoption of good practice, which would include adoption of specific measures to avoid potential impacts to protected/ notable species or sensitive habitats.	Not significant

IMPORTANT ECOLOGICAL FEATURE	POTENTIAL IMPACTS	PROPOSED MITIGATION/ COMPENSATION	SIGNIFICANCE OF RESIDUAL EFFECT
	Disturbance or damage to features due to unplanned maintenance on the ECC.	Unplanned maintenance would be subject to any necessary consents and consultation with the relevant nature conservation bodies prior to work taking place.	
DECOMMISSIONING			
All important ecological features	Similar to construction, but in most cases impact magnitude will be much lower than during construction.	Similar to construction, where necessary.	Not likely to be significant
CUMULATIVE EFFECTS			
All important ecological features	Impacts upon protected or notable species or upon their resting or breeding sites. Habitat fragmentation and species isolation. Spread of INNS. Accidental pollution.	n/a	Not significant

Table 19: Summary of predicted effects on ground conditions and land use receptors.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Impact on soil quality - cable route installation:	Negligible	Medium	SMP provided as part of the outline CoCP	***Minor adverse*** (Not Significant)
Impact on soil quality – OnSS	Low	Medium	SMP provided as part of the outline CoCP	***Minor adverse*** (Not Significant)
Impact on soil quality - TJBs	Negligible	Medium	SMP and PPEIRP provided as part of the outline CoCP	***Minor adverse*** (Not Significant)
Impact on soil quality - trenchless crossings	Negligible	Low	PPEIRP provided as part of the outline CoCP	***Negligible adverse*** (Not Significant)
Contamination risk to construction workers and human receptors	Negligible	High	PPEIRP provided as part of the outline CoCP	***Minor adverse*** (Not Significant)
Impacts on areas of mineral safeguarding	Negligible	Low	None required	***Negligible adverse*** (Not Significant)
OPERATION				
Impact on soil resource - cable route installation:	Low to Medium	Negligible	None required	Negligible to Minor adverse (Not Significant)
Impact on soil resource - OnSS	Medium	Negligible	None required	***Minor adverse*** (Not Significant)
Impact on soil resource - Landfall infrastructure	Medium	Negligible	None required	***Minor adverse*** (Not Significant)
Impacts on soil quality - OnSS	Medium	Negligible	None required	***Minor adverse*** (Not Significant)
Impacts on areas of mineral safeguarding	Negligible	Low	None required	***Negligible adverse*** (Not Significant)
DECOMMISSIONING				

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Decommissioning of cable route	Negligible	Low to high	None required	Negligible to minor adverse (Not Significant)
Decommissioning of OnSS and TJBs: Land Quality	Negligible	Low to medium	None required	Negligible to Minor adverse (Not Significant)

CUMULATIVE

Potential cumulative effects on land use arising from the proposed care home are predicted to remain as **low** resulting in an effect of ***minor adverse*** and therefore not significant. The proposed solar farm is temporary and is a reversible feature, once decommissioned the site's former agricultural use can be restored. Therefore, no further assessment in relation to cumulative effects is therefore required.

INTER RELATIONSHIP

It is not considered likely that there would be any interrelationship effects in relation to land quality and ground conditions

TRANSBOUNDARY EFFECTS

It is not considered likely that there would be any transboundary effects in relation to land quality and ground conditions

Table 20: Summary of predicted effects on hydrology, hydrogeology and flood risk.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Onshore ECC installation: water quality of watercourses	Low	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13	Minor Adverse not significant
Onshore ECC installation: water quality for near shore coastal waters and the Clwyd transitional waters	Negligible	Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Minor Adverse not significant
Onshore ECC installation: groundwater quality	Negligible to Low	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Negligible to Minor Adverse not significant
Onshore ECC installation: flood risk from construction activities	Negligible	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13) and Onshore ECC FCA (Annex 7.1, Application ref 6.5.7.1)	Negligible Adverse not significant
OnSS construction: water quality in watercourses	Low	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Minor Adverse not significant
OnSS construction: groundwater quality	Negligible	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Negligible to Minor Adverse not significant
OnSS construction: flood risk	Negligible	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13) and ONSS FCA (Annex 7.2, Application ref 6.5.7.2)	Negligible Adverse not significant
OnSS TCC construction: flood risk	Negligible	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Negligible Adverse not significant

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Trenchless crossing works: water quality for near shore coastal waters and the Clwyd transitional waters	Negligible	High	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Minor Adverse not significant
Trenchless crossing works: surface water quality	Low	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Minor Adverse not significant
Trenchless crossing works: groundwater quality	Negligible to Low	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Negligible to Minor Adverse not significant
Trenchless crossing works: Flood risk	Negligible	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13	Negligible Adverse not significant
Trenchless crossing works: Flood risk from TCC	Negligible	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13	Negligible Adverse not significant
Landfall installation: near-shore coastal water	Negligible	High	None in addition to mitigation within the Outline CoCP (application ref:8.13)	**Minor Adverse** not significant
Landfall installation: surface water quality	Low	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	**Minor Adverse** not significant
Landfall installation: trenchless crossing on groundwater quality	Low	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	**Minor Adverse** not significant
Landfall installation: groundwater quality	Low	Low to Medium	None in addition to mitigation within the Outline CoCP (application ref:8.13)	**Minor Adverse** not significant
Landfall installation: Watercourse Flood risk	Negligible	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Negligible Adverse not significant

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Landfall installation: Tidal Flood risk	Negligible	Low	None in addition to mitigation within the Outline CoCP (application ref:8.13)	Negligible Adverse not significant
OPERATION				
Permanent Onshore ECC infrastructure: water quality and flood risk	Negligible	Low to Medium	None required	Negligible to Minor Adverse not significant
OnSS: flood risk	Negligible	Low	None required	Negligible Adverse not significant
OnSS: water quality	Negligible	Low to Medium	None required	Negligible to Minor Adverse not significant
Permanent Landfall infrastructure: water quality and flood risk	Negligible	Low to Medium	None required	Negligible to Minor Adverse not significant
DECOMMISSIONING				
Decommissioning of Onshore ECC on flood risk and water quality	Negligible	Low to Medium	None required	Negligible to Minor Adverse not significant
Decommissioning of OnSS: flood risk	Negligible	Low	None required	Negligible Adverse not significant
Decommissioning of OnSS: water quality	Negligible	Low to Medium	None required	Negligible to Minor Adverse not significant
CUMULATIVE				
Given the timing of proposed construction activities for the projects listed in Table 12, the scale of developments, their proximity away from the OL and the requirements to control potential detrimental effects of development on flood risk and water quality, no significant cumulative hydrology, hydrogeology and flood risk effects arising during the construction phase of these new developments are likely. All other onshore projects are noted to be beyond the study area or are in separate hydraulic catchments to the onshore ECC.				

Table 21: Summary of predicted effects on onshore Archaeology and Cultural Heritage receptors.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Disturbance to assets identified on foreshore	High	Low to Medium	Preservation by record	Minor Adverse
Disturbance to ridge and furrow Identified on LiDAR (Direct Effect)	High	Low	Preservation by record	Minor Adverse
Extant ridge and furrow earthworks (Direct Effect)	High	Low	Preservation by record	Minor Adverse
Potential Roman Road and associated activity (Direct Effect)	High	Low to Medium	Preservation by record	Minor Adverse
Potential Geoarchaeological Deposits (Direct Effect)	High	Medium	Preservation by record	Minor Adverse
Geophysical Anomalies of potential archaeological origin (Direct Effect)	High	Low to Medium	Preservation by record	Minor Adverse
Unknown archaeological remains (Direct Effect)	High	Unknown	Preservation by record	Unknown
Historic Hedgerows (Direct Effect)	Medium	Low	Minimise hedgerow removal as far as possible and reinstate hedgerow following completion of construction phase	Negligible Adverse
Bryn Cwnin Farmhouse and L-Plan Range of Farm buildings (Indirect effect)	Negligible	High	None proposed	Negligible Adverse
Tyddyn Isaf (Indirect effect)	Negligible	High	None proposed	Negligible Adverse
Barn to NW Faenol-Bropor Farmhouse (Indirect effect)	Low Adverse	High	None proposed	Minor Adverse

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Bodelwyddan Castle (Indirect effect)	Low Adverse	High	None proposed	Minor Adverse
Bryn Celyn Lodge (Indirect effect)	No effect predicted	High	None proposed	Negligible Adverse
Rhuddlan Chain Home Radar Station (Geophysical anomaly) (Direct Effect)	Medium	Medium	Preservation by record	Minor Adverse
OPERATION				
Archaeological Assets (Direct Effect)	No impact	Low to Medium	None proposed	No effect predicted
Historic Hedgerows (Direct effect)	No impact	Medium	None proposed	No effect predicted
Barn to NW of Faenol-Bropor (Indirect effect)	Minor Adverse	High	None proposed	Minor Adverse
Bodelwyddan Castle (Indirect effect)	Minor Adverse	High	None proposed	Minor Adverse
Bryn Celyn Lodge (Indirect effect)	No impact predicted	High	None proposed	No effect predicted
Beaumaris Castle (indirect effect)	Negligible	High	None proposed	Negligible
Conwy Castle and Town Walls (indirect effect)	Negligible	High	None proposed	Negligible
Penrhyn Castle (indirect effect)	Negligible	High	None proposed	Negligible
Slate Landscapes of NW Wales (component part 1) (indirect effect)	Negligible	Very High	None proposed	Negligible

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
Gwrych Castle (indirect effect)	Negligible	High	None proposed	Negligible
Trwyn Du (Penmon) lighthouse (indirect effect)	Negligible	High	None proposed	Negligible
Puffin Island Tower and remains of church and monastic settlement (indirect effect)	Negligible	High	None proposed	Negligible
Puffin Island Telegraph Station (indirect effect)	Negligible	High	None proposed	Negligible
Pen y Dinas Hillfort (indirect effect)	Negligible	High	None proposed	Negligible
Bangor Pier (Indirect effect)	Negligible	High	None proposed	Negligible
Menai Bridge (indirect effect)	Negligible	High	None proposed	Negligible
Llandudno Conservation Area (indirect Effect)	Minor Adverse	Medium	None proposed	Minor Adverse
Llandudno Pier (indirect effect)	Moderate Adverse	High	None Proposed	Moderate adverse
HLWs 23, 28, 30 and 33	Negligible	High	None proposed	Negligible
DECOMMISSIONING				
Archaeological Assets (Direct effect)	No effect predicted	Low to Medium	None proposed	No effect predicted
Historic Hedgerows (Direct effect)	No effect predicted	Low	Hedgerows (which are those reinstated after construction) will again be reinstated. Any associated archaeological impact will have already been mitigated in relation to the construction	No effect predicted

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
			effects, and no additional impact is anticipated. No mitigation is proposed or considered necessary	
Heritage Assets (indirect effect on Setting from removal of onshore and offshore infrastructure)	No effect predicted (setting effectively restored)	Low to High	None proposed or considered necessary	No effect predicted
CUMULATIVE EFFECTS				
No cumulative effects reported				

Table 22: Summary of predicted effects on traffic and transport.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTORS	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Driver delay and severance - increase in vehicle movements	Low adverse	Negligible	Measures within Outline CTMP (Appendix 7 of the Outline CoCP (application ref: 8.13.7)) and the Outline TP (Appendix 9 of the Outline CoCP (application ref: 8.13.9))	Negligible adverse (not significant)
Driver delay and severance - use of open trenching	Negligible to low/medium	Negligible to high	Measures within Outline CTMP	Negligible adverse to Minor adverse (not significant)
Community severance	Negligible adverse	Low to high	None	Minor adverse
Vulnerable road users and road safety	Negligible to low adverse	Low to high	Measures within Outline CTMP	***Minor adverse*** (not significant)
Dust and dirt	Negligible to low adverse	Low and high	Measures within Outline CTMP	Negligible to Minor adverse (not significant)
Dangerous loads	Negligible	Low and medium	Any measures identified in ALAR to be prepared post consent.	Negligible and Minor adverse (not significant)
Users of ATRs and PRoW	Negligible to high	Low to very high	Measures within Outline PAMP (Appendix 8 of the Outline CoCP (application ref: 8.13.8))	Negligible to minor adverse (not significant)
DECOMMISSIONING				
Likely traffic and transport impacts associated with decommissioning activities.	Comparable to construction and lesser if underground cables remain in situ.			
CUMULATIVE EFFECTS				
No assessment required				

Table 23: Summary of predicted effects on airborne noise and vibration receptors.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL MAGNITUDE OF IMPACT	RESIDUAL LEVEL OF EFFECT AND SIGNIFICANCE
CONSTRUCTION					
Noise levels generated from landfall construction	High (daytime) High (weekend)	Medium (daytime, weekend)	Relevant detailed design measures relating to noise mitigation, as outlined in Table 50 of ES Volume 3, Chapter 10.	Negligible or Low	***Minor Adverse*** (not significant)
Noise levels from landfall HDD drilling	Negligible (daytime) High (evening, weekend, night-time)	Medium (daytime, evening, weekend) High (night-time)	Relevant detailed design measures relating to noise mitigation, as outlined in Table 50 of ES Volume 3, Chapter 10.	Daytime, evening, weekend – **Negligible** or **Low** Night-time – **Negligible**	***Minor Adverse*** (not significant)
Noise levels generated from onshore ECC construction	High (daytime) High (weekend)	Medium (daytime, evening)	Relevant detailed design measures relating to noise mitigation, as outlined in Table 50 of ES Volume 3, Chapter 10.	Negligible or Low	***Minor Adverse*** (not significant)
Noise levels generated from onshore ECC HDD drilling	Low (daytime) High (evening, weekend, night-time)	Medium (daytime, evening, weekend) High (night-time)	Relevant detailed design measures relating to noise mitigation, as outlined in Table 50 of ES Volume 3, Chapter 10.	Daytime, evening, weekend – **Negligible** or **Low** Night-time – **Negligible**	***Minor Adverse*** (not significant)
Noise levels generated by ORAR construction	High (daytime, weekend)	Medium (daytime, weekend)	Relevant detailed design measures relating to noise mitigation, as outlined in Table 50 of ES Volume 3, Chapter 10.	Daytime, weekend – **Negligible** or **Low**	***Minor Adverse*** (not significant)
Noise levels generated by OnSS construction	Negligible	Medium	No further mitigation measures required	Negligible	***Minor Adverse*** (not significant)
Noise levels generated by the construction of the Array	Negligible (midweek,	Medium (daytime,	Implementation of relevant planning conditions specifying noise limits in neutral weather conditions only.	Negligible	***Minor Adverse*** (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL MAGNITUDE OF IMPACT	RESIDUAL LEVEL OF EFFECT AND SIGNIFICANCE
	evening, weekend) Negligible (night-time - inclement weather) Low (night-time – neutral weather)	evening, weekend) High (night-time)			
Vibration levels generated by HDD (or other trenchless technique) operations	Medium	Medium (daytime, evening, weekend) High (night-time)	Notification of HDD (or other trenchless technique) works given to any receptors within 55 m of the HDD drilling operations during the daytime, weekend and evening periods and within 140m during the night-time.	Daytime, evening, weekend **- Low** Night-time - Negligible	***Minor Adverse*** (not significant)
Vibration levels generated by HDD vibratory piling operations	Medium (daytime only)	Medium	Notification of piling works given to any receptors within 75 m of the HDD drilling operations.	Low	***Minor Adverse*** (not significant)
Vibration levels generated by cofferdam and OnSS piling operations	Low	Medium	Implementation of NVMP	Low	***Minor Adverse*** (not significant)
Noise levels generated by construction traffic on the local road network	Low	Medium	None required.	Low	***Minor Adverse*** (not significant)
Noise levels generated by construction traffic on the ORAR	Negligible (daytime) High (evening, weekend) Medium (night-time)	Medium (daytime, evening, weekend) High (night-time)	Relevant detailed design measures relating to noise mitigation, as outlined in Table 50 of ES Volume 3, Chapter 10.	Daytime, evening, weekend – **Negligible** or **Low** Night-time – **Negligible**	***Minor Adverse*** (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL MAGNITUDE OF IMPACT	RESIDUAL LEVEL OF EFFECT AND SIGNIFICANCE
OPERATION					
Operational noise levels generated by the OnSS on residential receptors	Negligible (daytime, evening, weekend) High (night-time)	Medium (daytime, evening, weekend) High (night-time)	Reduction in operational noise levels through the use of acoustic enclosures, silencers and covers.	Negligible	***Minor Adverse*** (not significant)
Operational noise levels generated by the OnSS on commercial receptors	Negligible	Low	No further mitigation measures required assuming that the measures for the residential receptors have been implemented.	Negligible	***Minor Adverse*** (not significant)
DECOMMISSIONING					
Noise and vibration levels generated by decommissioning activities	Not anticipated to exceed construction phase worst-case criteria. Potential impacts reduced as it is assumed that no night-time or piling decommissioning operations are required.				
CUMULATIVE EFFECTS					
Noise levels generated from the OnSS and gas fired power station	Low	Medium (daytime, evening, weekend) High (night-time)	No further mitigation measures required as it is concluded that the noise level at the NSR from the OnSS is negligible compared to the gas fired power station.	Negligible	***Minor Adverse*** (not significant)

Table 24: Summary of predicted effects on air quality receptors.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
Dust/ PM_{10} generated from temporary construction activities	Low - High	Low - High	Implementation of best-practice mitigation as specified in industry guidance via a CoCP	Negligible
Temporary construction-generated road traffic volumes on human receptors	Negligible (below relevant screening criteria)	High	Not required	Negligible
Temporary construction-generated road traffic volumes on ecological receptors	Negligible (below relevant screening criteria)	Medium - Low	Not required	Negligible
OPERATION				
Likely air quality impacts associated with operational activities	Negligible	High	Not required	Negligible
DECOMMISSIONING				
Likely air quality impacts associated with decommissioning activities.	Comparable to construction, perhaps lesser if underground cables remain in situ.			
CUMULATIVE EFFECTS				
Cumulative dust/ PM_{10} generated from temporary concurrent construction activities	Low - High	Low - High	Implementation of best-practice mitigation as specified in industry guidance via a CoCP. All schemes which are considered to pose a potential cumulative effect will have had to undertake a construction dust assessment separately relating to their own site activities and associated risks, with the recommendation of best practice mitigation.	Negligible

Table 25: Summary of predicted effects on public health receptors.

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
CONSTRUCTION				
For impacts on health due to traffic emissions see Table 25 in Volume 3, Chapter 11: Air quality	**Negligible** (below relevant screening criteria)	High	Not required	***Negligible*** (not significant)
For impacts on health due to dust emissions see Table 25 in Volume 3, Chapter 11: Air quality	Low to Medium	Low to High	Implementation of best-practice mitigation as specified in industry guidance via a CoCP	***Negligible*** (not significant)
For impacts on health due to water emissions see Table 13 in Volume 3, Chapter 7, Hydrology, hydrogeology and flooding	Negligible to Low	Low to Medium	Pollution Prevention and Emergency Incident Response Plan (PPEIRP) provided as part of the outline Code of Construction Practice (OCoCP)	***Minor adverse*** (not significant)
For potential impacts on health caused by soil contamination see Table 13 in Volume 3, Chapter 6: Ground Conditions and Land Use	Negligible	High	PPEIRP provided as part of the OCoCP	***Minor adverse*** (Not Significant)
For potential impacts on health caused by Noise see Table 80 in Volume 3, Chapter 9: Airborne noise and vibration	Negligible to High	Medium to High	NVMP provided as part of the OCoCP	***Minor adverse*** (not Significant)
For potential impacts on health caused by Vibration see Table 80 in Volume 3, Chapter 9: Airborne noise and vibration	Negligible to High	Medium to High	Prior warning to sensitive residential receptors.	***Minor adverse*** (not Significant)
For potential impacts due to disruption to local road network see Table 38 in Volume 3, Chapter 9: Traffic and Transport	Negligible to low/medium	Negligible to high	Measures within OCTMP	Negligible adverse to Minor adverse (not significant)

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
OPERATION				
For impacts on health due to traffic emissions see Table 25 in Volume 3, Chapter 11: Air quality	**Negligible** (below relevant screening criteria)	High	Not required	***Negligible*** (not significant)
For impacts on health due to water emissions see Table 13 in Volume 3, Chapter 7, Hydrology, hydrogeology and flooding	Negligible	Low to Medium	None required	Negligible to Minor adverse (not significant)
For potential impacts on health caused by Noise see Table 80 in Volume 3, Chapter 9: Airborne noise and vibration	High	High	Reduction in operational noise levels through the use of acoustic enclosures, silencers and covers.	***Minor Adverse*** (not significant)
Impacts on health due to electromagnetic radiation exposure	Negligible	Low	None Required	***Negligible*** (not significant)
DECOMMISSIONING				
For impacts on health due to dust and traffic emissions see Table 25 in Volume 3, Chapter 11: Air quality.	Comparable to construction, perhaps lesser if underground cables remain in situ.			
For impacts on health due to water emissions see Table 13 in Volume 3, Chapter 7, Hydrology, hydrogeology and flooding	Negligible	Low to Medium	None required	Negligible to Minor adverse (Not significant)
For potential impacts on health caused by Noise Table 80 in Volume 3, Chapter 9: Airborne noise and vibration	Not anticipated to exceed construction phase worst-case criteria. Potential impacts reduced as it is assumed that no night-time or piling decommissioning operations are required.			
For potential impacts due to disruption to local road network	Comparable to construction, perhaps lesser if underground cables remain in situ.			

IMPACT	MAGNITUDE	SENSITIVITY OF RECEPTOR	MITIGATION MEASURES	RESIDUAL EFFECT
see Table 38 in Volume 3, Chapter 9: Traffic and Transport				
For impacts on health due to electromagnetic radiation exposure	Upon decommissioning the negligible adverse affect during operation would become neutral			

Fferm Wynt Alltraeth
AWEL Y MÔR
Offshore Wind Farm

RWE Renewables UK Swindon Limited

Windmill Hill Business Park
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