

Abbreviations



2D	Two dimensional
3D	Three Dimensional
AA	Appropriate Assessment
ABP	Associated British Ports
ABPmer	Associated British Ports marine
Abrillei	environmental research
ADCP	Acoustic Doppler Current Profiler
ADMS	
ADIVIS	Atmospheric Dispersion
AEP	Modelling System Annual Exceedance Probability
AFD	Acoustic Fish Deterrents
AFDW	Ash-free Dry Weight
AIS	Automatic Identification System
ALB	All-weather Lifeboats
AMAA	Ancient Monuments and
	Archaeological Areas Act
AONB	Area of Outstanding Natural
	Beauty
APIS	Air Pollution Information System
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
ARPA	Automatic Radar Plotting Aid
ASIDOHL	Assessment of Significant Impact
	of Development on Historic
	Landscape
ATC	Automatic Traffic Counts
AtoN	Aids to Navigation
AURN	Automatic Urban and Rural
	Network
AWAC	Acoustic Wave and Current
	profiler
BAP	Biodiversity Action Plan
BAP	Best Available Practice
BBWC (M)	Breeding Birds in the Wider
, ,	Countryside (Medium Alert)
BBWC (H)	Breeding Birds in the Wider
, ,	Countryside (High Alert)
ВС	Before Christ
BCBC	Bridgend County Borough
	Council
BCC (A)	Birds of Conservation Concern
1	(Amber List)
BCC (R)	Birds of Conservation Concern
(/	(Red List)
BeC	Berne Convention
BERR/DBER	Department of Business,
,	Enterprise and Regulatory
	Reform
BGS	British Geological Society
BGS	British Geological Survey
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ВоС	Bonn Convention
BOD	Biological Oxygen Demand
BP	Before Present
BRE	Building Research Establishment
BRES	Business Register and
	Employment Survey
ВТО	British Trust for Ornithology
BW	Bathing Water
BWD	Bathing Water Directive
CA	Cruising Association
CBC	Common Bird Census
CBD	Convention on Biological
	Diversity
cBWD	current Bathing Water Directive
CCA	Copper-chrome arsenate
CCC	Carmarthenshire County Council
CCSC	City and County of Swansea
	Council
CCTV	Closed Circuit Television
CCW	Countryside Council for Wales
CD	Chart Datum
CEFAS	Centre for Environment, Fisheries
	& Aquaculture Science
CEMP	Construction Environmental
	Management Plan
CERC	Cambridge Environmental
	Research Consultants Ltd
CES	Celtic Sea
CFD	Computational Fluid Dynamics
CFMP	Catchment Flood Management
	Plan
cfu	Colony-forming unit
CIRIA	Construction Industry Research
0.10	and Information Association
CMS	Construction Method Statement
COLREGS	International Regulations for
COCLUI	Preventing Collisions at Sea
COSHH	Control of Substances Hazardous
COMPLE	to Health Collaborative Offshore Wind
COWRIE	
СРА	Research Into the Environment Coast Protection Act 1949
CroW	
CIOVV	Countryside and Rights of Way Act 2000
CRTN	Calculation of Road Traffic Noise
cS	Coarse Sand
cSAC	Candidate Special Area of
	Conservation
CSAR	Centre for Sustainable Aquatic
	Research
	kesearch



CSD	Cutter Suction Dredger
CSM	Conceptual Site Model
CSO	Combined Sewer Overflow
DAIN	Dissolved available inorganic
-	nitrogen
DAS	Design and Access Statement
dB	Decibel
DCO	Development Consent Order
DCWW	Dŵr Cymru Welsh Water
DECC	Department of Energy and
	Climate Change
DEFRA	Department of the Environment
	and Rural Affairs
DfT	Department of Transport
DMRB	Design Manual for Roads and
J	Bridges
DO	Dissolved Oxygen
DoE	Department of Environment
DQRA	Detailed Quantitative Risk
	Assessment
DSP	Designated Sample Point
DTM	Digital Terrain Model
1.5DWF	1.5 times Dry Weather Flow
dwt	Dry weight tonnes
DWT	Deadweight Tonnage
F	Electric Fields
EA-W	Environment Agency – Wales
EC	European Commission
EC	E Coli
EcIA	Ecological Impact assessment
ED	Escape Distance
Edn	Edition
EDO	Environmental Design
	Optimisation
EDR	Environmental Damage
	Regulations
EIA	Environmental Impact
 .	Assessment
EMF	Electro-Magnetic Field
EMMP	Environmental Monitoring and
	Management Plan
EMP	Environmental Management Plan
EMS	European Marine Site
EOD	Explosive Ordnance Disposal
EPS	European Protected Species
EPUK	Environment Protection United
LION	Kingdom
EQS	Environmental Quality Standard
ERDF	European Regional Development
LIVUF	Fund
	rullu

EC	Environmental Statement
ESRP	Environmental Statement
EU	Emergency Spill Response Plan
	European Union Fish Attraction Device
FAD FC/fo	
FC/fc	Faecal coliforms
FCA	Flood Consequence Assessment
FEPA	Food and Environment Protection
FFT	Act 1985
FIO	Full Flow to Treatment
	Faecal Indicator Organisms
FS/fs fS	Faecal streptococci
	Fine Sand
FTE	Full Time Equivalent
FTU	Formazin Turbidity Units
G	Gravel
GAC	Generic Assessment Criteria
GES	Good Environmental Status
GGAT	Glamorgan Gwent Archaeological
	Trust
GI	Ground Investigation
GIS	Geographical Information System
GLVIA	Guidelines for Landscape and
C1 41 45	Visual Impact Assessment
GMMP	Gower Marine Mammal Project
GOMMMS	Guidance on the Methodology
606	for Multi-Modal Studies
GOS	Gower Ornithology Society
GQRA	Generic Quantitative Risk
CT	Assessment
GT	Gross Tonnage
GWR	Great Western Railway
H _s	Wave height
HAB	Harmful Algal Blooms
HAP	Habitat Action Plan
HD	Hydrodynamic
HER	Historic Environment Record
HER	Historic Environment Report
HGV	Heavy Goods Vehicle
HMCG	HM Coastguard
HRA	Habitats Regulation Assessment
HW; HW+1	High Water; High water plus 1
1010	hour, etc.
IALA	International Association for
	Marine Aids to Navigation and
10004	Lighthouse Authorities
IAQM	Institute for Air Quality
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IDAA	Management
IBM	Individual Based Modelling
IBM ICES	



IE	I Enterococci
IEEM	Institute of Ecology and
ILLIVI	Environmental Management
IEMA	Institute of Environmental
ILIVIA	Management and Assessment
IFA	Institute of Field Archaeologists
IFUSNW	Inshore Fisheries Units for South
IFUSINVV	
11.1	and North Wales
IH	Inner Herbrides
ILB	Inshore Lifeboats
IMADP	Interim Marine Aggregates
10.40	Dredging Policy International Maritime
IMO	
ININIC	Organisation
INNS	Invasive Non-Native Species
IOA	Institute of Acoustics
IOS	Institute of Oceanographic
	Services
IPC	Infrastructure Planning
	Commission
IROPI	Imperative Reasons of Overriding
	Public Interest
IS	Irish Sea
ISQG	Interim Marine Sediment Quality
	Guidelines
IUCN	International Union for
	Conservation of Nature
JNAPC	Joint Nautical Archaeology Policy
	Committee
JNCC	Joint Nature Conservation
	Committee
JPA	Joint Probability Analysis
JSA	Job Seekers Allowance
km	Kilometre
Kv	Kilovolts
kW	Kilowatt
LAQM	Local Air Quality Management
LAT	Lowest Astronomical Tide
LCA	Landscape Character Areas
LCRI	Low Carbon Research Institute
LBAP	Local Biodiversity Action Plan
LDP	Local Development Plan
LiDAR	Light Detection and Ranging
LNR	Local Nature Reserve
LoSHI	Landscape of Special Historic
	Interest
LSE	Likely Significant Effect
LSO	Long Sea Outfall
LSU	Local Seascape Units
LT	Long Term
	Long Term

LW	Low Water
m	Metre
М	Mud
m ²	Metre squared
M&E	Mechanical and Electrical
MarLIN	Marine Life Information Network
MAGIC	Multi-Agency Geographic
	Information for the Countryside
MAIB	Marine Accident Investigation
	Branch
mAOD	Metres above Ordnance Datum
MCA	Maritime and Coastguard Agency
MCAA	Marine and Coastal Access Act
MCCIP	Marine Climate Change Impact
	Partnership
MCS	Marine Conservation Society
MCU	Marine Consents Unit
MCZ	Marine Conservation Zone
MDL	Minimum Detection Level
Mg/l	Milligram per litre
MGN	Marine Guidance Note
MHWS	Mean High Water Springs
MLT	Marine Licensing Team
MLW	Mean Low Water
MLWN	Mean Low Water Neap
MLWS	Mean Low Water Spring
MMO	Marine Management
IVIIVIO	Organisation
MMO	Marine Mammal Observer
MNCR	Marine Nature Conservation
WINCK	Review
MNR	Marine Nature Reserve
MoD	Ministry of Defence
MODIS	Moderate Resolution Imaging
IVIODIS	Spectroradiometer
mODN	Metres relative to Ordnance
mobil	Datum Newlyn
MPA	Marine Protected Area
MPCP	Marine Pollution Contingency
5.	Plan
MPN	Most Probable Number
MPS	Marine Policy Statement
MRCC	Maritime Rescue Co-ordination
	Centre
MREI	Marine Renewable Energy
	Installations
MRESF	Marine Renewable Energy
	Strategic Framework
MRSC	Maritime Rescue Sub-Centre
mS	Medium Sand
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MSA	Merchant Shipping Act
MSFD	Marine Strategy Framework
	Directive
m/s	Metre per second
MW	Mega Watt
MWh	Mega Watt hours
N/A	Not Applicable
NASCO	North Atlantic Salmon
	Conservation Organisation
NATA	New Approach to Transport
	Appraisal
NBN	National Biodiversity Network
n/c	No Classification
NCN	National Cycle Network
NENS	North Eastern North Sea
NERC	Natural Environment and Rural
	Communities Act 2006
NETS	National Electricity Transmission
	System
NF	North France
NG	National Grid
NGB	National Governing Body
NGR	National Grid Reference
NM	Nautical Miles
Nm ⁻²	Newtons per square metre
NO	Nitrogen Oxide
NHC	Neath Harbour Commissioner
NPS	National Policy Statement
NPTCBC	Neath Port Talbot County
	Borough Council
NRA	Navigational Risk Assessment
NRW	Natural Resources Wales
NS	North Sea
NSIP	Nationally Significant
	Infrastructure Project
NtoM	Notice to Mariners
NTS	Non-Technical Summary
NNR	National Nature Reserve
NUC	Not Under Command
NVQ	National Vocational Qualification
0&M	Operation and Maintenance
OBS	Optical Back Scatter
OD	Ordnance Datum
ОН	Outer Herbrides
ONS	Office for National Statistics
ORED	Offshore Renewable Energy
	Deployment
OREI	Offshore Renewable Energy
	Installations
ORR	Outside Response Range

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OS	Ordnance Survey
OSGB36	Ordnance Survey Great Britain
	1936
OSPAR	Oslo-Paris Convention
Р	Pebbles
PAH	Polycyclic Aromatic Hydrocarbons
PAM	Passive Acoustic Monitoring
PAS	Portable Antiquities Scheme
PCB	Polychlorinated Biphenyls
PEIR	Preliminary Environmental
	Information Report
Pers.	Personal communication
Comms	
PID	Photoionisation Detector
PINS	Planning Inspectorate
PM	Particle Matter
PMRA	Protection of Military Remains
	Act
PLN	Port Letter Number
PPG	Pollution Prevention Guidelines
ppt	Parts per thousand
PPW	Planning Policy Wales
PRA	Preliminary Risk Assessment
PROW	Permitted Right Of Way
pSAC	Proposed Special Area of
	Conservation
PSA	Particle Size Analysis
PSD	Particle Size Distribution
PSoBW (A)	Populations Status of Birds in
,	Wales (Amber)
PSoBW (R)	Populations Status of Birds in
,	Wales (Red)
pSPA	Proposed Special Protection Area
PTS	Permanent Threshold Shift
PWA	Protection of Wrecks Act
R	Rock
RBD	River Basin District
RBMP	River Basin Management Plan
rBWD	revised Bathing Water Directive
RCAHMW	Royal Commission for Ancient
TO THE INTERPRETATION	and Historic Monuments in Wales
RDP	Rural Development Programme
RES	Renewable Energy Strategy
REZ	Renewable Energy Zone
rMCZ	Recommended Marine
TIVICE	Conservation Zone
RNLI	Royal National Lifeboat
ININEI	Institution
Ro-Ro	Roll on Roll off ferry
RoW	Receiver of Wreck
NOW	Neceiver of wheck



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rpm	Revolutions per minute
RSL	Relative Sea Level
RSPB	Royal Society Protection of Birds
RSU	Regional Seascape Units
RTP	Regional Transport Plan
RYA	Royal Yachting Association
S	Sand
SA	Sustainability Appraisal
SAC	Special Area of Conservation
SAE	Sado Estuary (Portugal)
SAHFOS	Sir Alistair Hardy Foundation for
	Ocean Science
SAM	Scheduled Ancient Monument
SAMS	Scottish Association for Marine
	Science
SAR	Search and Rescue
SAP	Species Action Plan
SCOS	Special Committee on Seals
SE	Southern England
SEA	Strategic Environmental
5271	Assessment
SEL	Sound Exposure Level
SEWBReC	South East Wales Biodiversity
SEVERICE	Records Centre
SFCA	Strategic Flood Consequence
51 67 (Assessment
SGA	Southern Galicia
Sh	Shells
SHE	Shannon Estuary
SL	Source Level
SLVIA	Seascape and Landscape Visual
SEVI/	Impact Assessment
SMP	Shoreline Management Plan
SMR	Sites and Monuments Records
SMRU	Sea Mammal Research Unit
SNH	Scottish Natural Heritage
SoCC	Statement of Community
3000	Consultation
SofS	Secretary of State
soM	Soft Mud
SPA	Special Protection Area
SPG	Supplementary Planning
3F G	Guidance
SPL	Sound Pressure Level
SPV	
	Special Purpose Vehicle
SPZ	Source Protection Zone
SSAC	Site Specific Assessment Criteria
SSC	Suspended Sediment
SSSI	Concentrations Site of Special Scientific Interest

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UUSSL	United Utilities Scarweather
	Sands Ltd
UV	Ultraviolet
UXO	Unexploded Ordinance
VER	Valued Ecological Receptors
VOC	Volatile Organic Compound
VP	Viewpoints
WACA	Wildlife and Countryside Act
	1981
WAP	Waterbody Action Plan
WCA1	Schedule 1 of Wildlife and
	Countryside Act 1981
WDCS	Whale and Dolphin Conservation
	Society
WeBS	Wetlands Bird Survey
WEI	Western Ireland
WFD	Water Framework Directive
WG	Welsh Government
WHO	World Health Organisation
WSI	Written Scheme of Investigation
WSP	Wales Spatial Plan
WTD	Water Framework Directive
WTR	Wildlife Trust Reserve
WPD	Western Power Distribution
WwTW	Waste Water Treatment Works
YC	Yacht Club
ZTV	Zone of Theoretical Visibility