

10.6 **APPENDIX F – UNITS OF MEASURE AND ACRONYMS**

10.6.1 **Appendix F.1 – Units of Measure**

' – foot/feet
" – inches
+ - plus
°C – degrees Celsius temperature
°F – degrees Fahrenheit
cm - centimeter
cm/hr – centimeter per hour
dB – decibels
ft – feet
GW – Gigawatt
hp - horsepower
Hz – Hertz (frequency)
kg/m – kilogram per meter
km – Kilometer
kN – kilonewton
kV – Kilovolt
kW – Kilowatt
kWh – Kilowatt-Hour
lb – pounds
m – meter
m/s – meters per second
mb – millibars
mi – (statute) mile
mm - millimeter
mm² – square millimeters
MW – Megawatt
nmi – nautical mile
Pa – pascals (1000 mb = 100 Pa)
psf – pounds per square foot
pu – price unit
sq. ft – square foot
sq. m – square meter
sq. mi – (statute) square mile

10.6.2 Appendix F.2 – Acronyms

A/C – Alternating Current
ACOEM - American College of Occupational and Environmental Medicine
ADCP – Acoustic Doppler Current Profiler
AEWC – Advanced Structures and Composites Center - UMaine
AIS – Automated Identification System (ships)
AISM – Association International de Signalisation Maritime
ALWTRP – Atlantic Large Whale Take Reduction Plan
ASCE – American Society of Civil Engineering
ASME – American Society of Mechanical Engineers
ASMFC – Atlantic States Marine Fisheries Commission
AWEA – American Wind Energy Association
AWOIS – (NOAA) Automated Wreck and Obstruction Information System Database
BACI – before-after, control-impact
BEP – (United States) Bureau of Environmental Protection
BGEPA – Bald and Golden Eagle Protection Act
BGR – Bangor International Airport
BHE – Bangor Hydro-Electric Company
BKM – Best Known Methods (for development strategies)
BLM – Bureau of Land Management
BMPs – Best Management Practices
BOEMRE – Bureau of Ocean Energy Management, Regulation and Enforcement
(formerly MMS)
BP – Best Practices (for development activities)
BPL – (Maine) Bureau of Parks and Lands
BRP – Blue Ribbon Panel
BSEE – Bureau of Safety and Environmental Enforcement
BSH – Bundesamt für Seeschifffahrt und Hydrographie
Btu – British Thermal Units
BUZM3 – Buzzards Bay (NDBC buoy)
BWEA – British Wind Energy Association
CAA – Clean Air Act
CanWEA – Canadian Wind Energy Association
CBP – Customs and Border Patrol (division of DHS)
CEE – Civil and Environmental Engineering (University of Maine)
CEQ – (Federal) Council on Environmental Quality
CERCLA – Comprehensive Environmental Response, Compensation, and Liability
Act (a.k.a. Superfund)
CFR – Code of Federal Regulations

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CLF – Conservation Law Foundation
C-MAN – Coastal Marine Automated Network (NOAA coastal meteorological observations)
CMGP – Coastal and Marine Geology Program
CMP – Central Maine Power
CLEAR - Consolidated Land, Energy, and Aquatic Resources (CLEAR) Act of 2009
COP – Construction and Operation Plan
COWRIE – Collaborative Offshore Wind Research Into the Environment (under BWEA)
CPCN – Certificate of Public Convenience and Necessity
CRS – Congressional Research Service
CMSP – Coastal and Marine Spatial Planning (see also MSP – Marine Spatial Planning)
CWA – Clean Water Act
CZM – Coastal Zone Management
CZMA – Coastal Zone Management Act
D/C – Direct Current
DAM – Dynamic Area Management (Zone) – regulated areas for North Atlantic Right Whales
DEP – (Maine) Department of Environmental Protection
(also written as MEDEP for Maine DEP)
DHS – Department of Homeland Security
DHS – Department of Homeland Security (USCG is regulated by DHS)
DIFW – Department of Inland Fisheries and Wildlife
DMA – Dynamic Management Area (Zone)– regulated areas for North Atlantic Right Whales
DMR – (Maine) Department of Marine Resources
DMR – (Maine) Department of Marine Resources
(also written as MEDMR for Maine DMR)
DNV – Det Norske Veritas
DOC – (Maine) Department of Conservation
(also written as MEDOC for Maine DOC)
DOC – (United States) Department of Commerce
DOE – (United States) Department of Energy
DOE – (United States) Department of Energy
DOI – (United States) Department of the Interior
DOI – (United States) Department of the Interior
DOT – (Maine) Department of Transportation
(also written as MEDOT for Maine DOT)
DOT – (United States) Department of Transportation
DPS – distinct population segment
E2Tech – Environmental and Energy Technology Council of Maine
EA – Environmental Assessment
EDF – Environmental Defense Fund

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EERE – Energy Efficiency and Renewable Energy
EERE – Energy Efficiency and Renewable Energy division of DOE
EEZ – Economic Exclusive Zone (U. S./Canadian border)
EFH – Essential Fish Habitats
EIS – Environmental Impact Statement
EMF – electromagnetic field
ENC – Electronic Navigation Chart
envCanda – Environment Canada
EPA – (United States) Environmental Protection Agency
EPA – (United States) Environmental Protection Agency
EPAct 2005 – Energy Policy Act of 2005
EPRI – Electric Power Research Institute (<http://oceanenergy.epri.com>)
ESA – Endangered Species Act
ESI – Environmental Sensitivity Index (see also EVI for Environmental Vulnerability Index)
ESRI – Environmental Systems Research Institute, Inc.
(developers of ArcGIS software products)
ESS – Earth System Science (University of Maine – Geology)
EVI – Environmental Vulnerability Index
EWEA – European Wind Energy Association
FAA – Federal Aviation Administration
FAD – Fish Aggregating Device
FERC – (United States) Federal Energy Regulatory Commission
FERC – Federal Energy Regulatory Commission
FGDC – Federal Geographic Data Committee
FIEC – Fox Islands Electric Cooperative
FONSI – Findings of No Significant Impact
FR – Federal Register
GALR – Great American Lighthouse Resource
GAP – General Activities Plan
GIS – Geographic Information System
GL – Germanischer Lloyd
GLCF – Global Land Cover Facility (University of Maryland)
GloVis – Global Visualization Viewer (NASA)
GMRI – Gulf of Maine Research Institute
GoM – Gulf of Maine
GOM – Gulf of Mexico
GOM ODP – Gulf of Maine Ocean Data Partnership
GOMMI – Gulf of Maine Mapping Initiative (facilitated by GMRI)
GoMOOS – Gulf of Maine Ocean Observing System
GPO – Government Printing Office
GPS – Geographic Positioning System
HDD – horizontal directional drilling

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IALA – International Association of Lighthouse Authorities
IBA – Important Bird Areas
IBC – International Boundary Commission
ICJ – International Court of Justice
ICPC – International Cable Protection Committee
ICS – Inner Continental Shelf
IEC – International Electrotechnical Commission
IEEE – Institute of Electrical and Electronics Engineers
IFWS – Inland Fish and Wildlife Service (Federal)
IGLD 85 – International Great Lakes Datum of 1985 (identical to NAVD 88; Note:
 bench marks are referenced differently between NAVD 88 and IGLD 85)
IHO – International Hydrographic Organization
II-MWW – Island Institute Mapping Working Waters project
IMO – International Maritime Organization
IOOS – Integrated Ocean Observing Systems
IOSN3 – Isle of Shoals (NDBC buoy)
IPCC – Intergovernmental Panel on Climate Change
IRS – Internal Revenue Service
ISFMP – Interstate Fisheries Management Program
ISO – International Organization for Standardization
ISO-NE – Independent System Operator – New England
Ka – Kiloannum (1000 years)
KBGR – Bangor International Airport (NWS)
KCAR – Caribou, ME (NWS)
KPWM – Portland International Airport (NWS)
LIDAR – Light Detecting and Ranging (Laser RADAR)
LP – liquified peteroleum
LTE – Long Term Emergency Rating
LURC – (Maine) Land Use Regulation Commission
MA – Massachusetts state abbreviation
MACC – Maine Association of Charter Captains
MARAD - Maritime Administration (division of DOT)
MBTA – Migratory Bird Treaty Act
MCHT – Maine Coastal Heritage Trust
MDRM1 – Mt. Desert Rock (NDBC buoy)
MDWEPP – Maine Deepwater Wind Energy Pilot Project
ME – Maine state abbreviation
MEDEP – Maine Department of Environmental Protection
MEDOC – Department of Conservation (also written as ME DOC for Maine DOC)
MEDOT – Maine Department of Transportation
MEGIS – Maine GIS Clearinghouse (also written as MEgis)
MEIFW –Maine Inland Fisheries and Wildlife
MESA – Maine Endangered Species Act

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METAR – Meteorological Aviation Report
MGET – Marine Geospatial Ecology Tools
(resource tools available at OBIS – SEAMAP site)
MGG – Marine Geology and Geophysics (NGDC under NESDIS)
MGS – Maine Geological Survey
MHHW – mean higher-high water (datum)
MHP – Maine Historic Preservation
MHPA – Maine Historic Preservation Act
MHPC – Maine Historic Preservation Commission
MHW – mean high water (datum)
MISM1 – Matinicus Rock (NDBC buoy)
MITA – Maine Island Trail Association
MLA – Maine Lobsterman’s Association
MLLW – mean lower-low water (datum) – tidal height reference datum (NOAA charts re: 1980). See http://tidesandcurrents.noaa.gov/datum_options.html for more information.
MLW – mean low water (datum) – tidal height reference datum
MMA – Maine Maritime Academy
MMPA – Marine Mammal Protection Act
MMS – Minerals Management Service (controls leasing rights in Federal waters)
MMS – Minerals Management Services (now BOEMRE)
MPA – Maine Port Authority
MMPA – Marine Mammal Protection Act
MPE – Matinicus Plantation Electric Company
MPH – Maritime Heritage Program
MPPD – Monhegan Plantation Power District
MREA - Maine Renewable Energy Association
MSA – Magnuson-Stevens Fishery Conservation and Management Reauthorization Act of 2006
MSL – mean sea level
MSP – Marine Spatial Planning (see also CSMP for Coastal and Marine Spatial Planning)
MTL – mean tide level (datum)
MWII - Maine Wind Industry Initiative
N.B. – Nota Bene (Note Well)
NAD 27 – North American Datum of 1927
NAD 83 – North American Datum of 1983
NASA – National Aeronautics and Space Administration
NAVD 88 – North American Vertical Datum of 1988
NB – New Brunswick, Canadian province
NCDC – National Climate Data Center
NDBC – National Data Buoy Center (NOAA weather buoys)
NEFMC – New England Fisheries Management Council

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NEFSC – Northeast Fisheries Science Center
NEP – National Estuary Program
NEPA – National Environmental Policy Act
NEPOOL GenIS – NEPOOL General Information System (to distinguish from GIS)
NERACOOS – Northeast Regional Association of Coastal Ocean Observing Systems
NERR – National Estuarine Research Reserve
NERRS – National Estuarine Research Reserve
NESDIS – National Environmental Satellite Data and Information Service (NOAA)
NF – Newfoundland, Canadian province
NGDC – National Geophysical Data Center (NESDIS)
NGO – Non-Governmental Organization
NGS – National Geodetic Survey
NGVD 29– National Geodetic Vertical Datum of 1929
NH – New Hampshire state abbreviation
NHD – National Hydrography Dataset (USGS product available at <http://nhd.usgs.gov>)
NHLPA – National Historic Lighthouse Preservation Act
NHPA – National Historic Preservation Act
NIST – National Institute of Standards and Technology
NMFS – National Marine Fisheries Service
NOAA – National Oceanic and Atmospheric Administration
NOAA –National Oceanic and Atmospheric Administration
NOAA-CSC – NOAA Coastal Services Center
NOAA-OCS – NOAA Office of Coast Survey
NOS – National Ocean Service
NPDES – National Pollutant Discharge Elimination System
NPS – National Park Service
NREL – National Renewable Energy Laboratory (United States Department of Energy (DOE))
NROC – Northeast Regional Ocean Council
NRPA – National Resources Protection Act
NS – Nova Scotia, Canadian province
NTDC 1980 – National Tidal Datum Convention of 1980 (standardizing the tidal datum to MLLW)
NTDE – National Tidal Datum Epoch (19 years for tidal records – current epoch is 1983 – 2001)
NWF – National Wildlife Federation
NWI – National Wetlands Inventory
NWS – National Weather Service (NOAA weather information)
OBIS – Ocean Biogeographic Information System
OCRM – Office of Ocean and Coastal Resource Management (NOAA)
OCS – Outer Continental Shelf (Lease Blocks)
OCSLA – Outer Continental Shelf Lands Act

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OEI – Ocean Energy Institute
OETF – Ocean Energy Task Force
OHW – ordinary high water (water level in water bodies not substantially affected by tides)
OPA – Oil Pollution Act of 1990
OPRC – Ocean Renewable Power Company
OWEGIS – (University of Maine) Offshore Wind Energy GIS Database Decision Tool
PEIS – Programmatic Environmental Impact Statement
pers. comm. – personal communication
PhOG – Physical Oceanography Group at the University of Maine
P.L. – Public Law
PNNL – Pacific Northwest National Laboratory
PSBM1 – Eastport (NDBC buoy)
PTC – Production Tax Credit
PUC – (Maine) Public Utilities Commission
PWM – Portland International Airport
R & D – Research and Development
RADAR – Radio Detecting and Ranging
REPC – Renewable Energy Production Credit
REPI – Renewable Energy Production Incentive
RFI – Request for Interest (BOEMRE)
RFP – Request for Proposals
RHA – Rivers and Harbors Act
RI – Rhode Island state abbreviation
RNC – Raster Navigational Chart
ROV – remotely operated vehicle
ROV – remotely operated vehicle
RPS – Renewable Portfolio Standard
SAM – Seasonal Area Management (Zone) – regulated areas for Northern Atlantic Right Whales
SAP – Site Assessment Plan
SBA – United States Small Business Administration
SBIC – Small Business Investment Company (Program) under which the SBA is licensed
SEAMAP – Spatial Ecological Analysis of Megavertebrate Populations
Sewall – James W. Sewall Company
SHARP - OSHA Safety and Health Achievement Program
SHPO – (Maine) State Historic Preservation Officer
SHRU – Salmon habitat recovery units
SLODA – Site Location of Development Act
SMA – Seasonal Management Area (Zone) – regulated areas for Northern Atlantic Right Whales
SMS – School of Marine Sciences (University of Maine)

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SODAR – Sonic Detection and Ranging
SPO – (Maine) State Planning Office (also written as MESPO for Maine SPO)
spp – Species
SPUE – sightings per unit effort
STE – Short Term Emergency Rating
T & D Systems – Transmission and Distribution Systems
TAC – total allowable catch
TEDEC – Tidal Energy Device Evaluation Center (Maine Maritime Academy)
TNC – The Nature Conservancy
TSDF – Hazardous Waste Treatment, Storage, and Disposal Facilities
TWC – Time Warner Cable
U.S.C. – United States Code
UMaine – University of Maine at Orono (other documents may also refer to UMO)
UNE – University of New England
UNESCO – United Nations Educational, Scientific and Cultural Organization
UNH – University of New Hampshire
USACE – United States Army Corps of Engineers
USCG – United States Coast Guard (division of DHS)
USDA – United States Department of Agriculture
USDOC – United States Department of Commerce
USDOE – United States Department of Energy (also written as DOE)
USDOI – United States Department of the Interior (also written as DOI)
USDOT – United States Department of Transportation (also written as DOT)
USEPA – United States Environmental Protection Agency (also written as EPA)
USFWS – United States Fish and Wildlife Service
USGS – United States Geological Survey
USMM – United States Merchant Marines
UTM – Universal Transverse Mercator (Maine – Zone 19N)
UXO – unexploded ordnance
VMS – Vessel Monitoring System
VTS – Vessel Traffic Services
WEA – wind energy areas (BOEMRE)
WGS 84 – World Geodetic System 1984 (common unit used on handheld GPS units)
WHSC – Woods Hole Coastal and Marine Science Center
WHSRN – Western Hemisphere Shorebird Reserve Network
WVS – World Vector Shoreline
XLPE – cross linked polyethylene (insulation)