REFERENCES

Chapter 1. Introduction

Department of the Environment, Community and Local Government (2013). Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment. DoEHLG, Dublin.

Department of Housing, Planning and Local Government (August 2018) Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment. DHPLG, Dublin.

Environmental Protection Agency (August 2017): Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports. EPA, Wexford.

Environmental Protection Agency (September 2015): Draft - Advice Notes on Current Practice (in the preparation on Environmental Impact Statements). EPA, Wexford.

Environmental Protection Agency (2003) Advice Notes on Current Practice in the Preparation of Environmental Impact Statements. EPA, Wexford.

Environmental Protection Agency (2002) Guidelines on Information to be Contained in Environmental Impact Statements. EPA, Wexford.

European Union (2014). Directive 2014/52/EU. European Parliament and European Council.

European Union (2011). Directive 2011/92/EU. European Parliament and European Council.

Irish Statute Book (2018). European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018).

Irish Statute Book (2001). Planning and Development Regulations (as amended) S.I. No. 600 of 2001. Stationery Office, Dublin.

Irish Statute Book (1995) Arterial Drainage (Amendment) Act S.I. No. 14 of 1995.

Chapter 2. Background

Arterial Drainage (Amendment) Act, 1995

Brew,T., Gilligan. N., (2019) Environmental Guidance: Drainage Maintenance and Construction. Series of Ecological Assessments on Arterial Drainage Maintenance No. 13. Environment Section, Office of Public Works, Trim, Co. Meath, Ireland

Department of Climate Change, Action & Environment (2019). Climate Action Plan 2019

Department of Climate Change, Action & Environment (2018). National Adaptation Framework - Planning for a Climate Resilient Ireland 2018.

Department of Climate Change, Action & Environment (2017) National Mitigation Plan 2017

Department of Housing Planning and Local Government (2018). River Basin Management Plan for Ireland 2018 - 2021.

Environmental Protection Agency (2008). Climate Change – Refining the Impacts for Ireland

Environmental Protection Agency (August 2017): Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports. EPA, Wexford.

Environmental Protection Agency (September 2015): Draft - Advice Notes on Current Practice (in the preparation on Environmental Impact Statements). EPA, Wexford.

Environmental Protection Agency (2003) Advice Notes on Current Practice in the Preparation of Environmental Impact Statements. EPA, Wexford.

Environmental Protection Agency (2002) Guidelines on Information to be Contained in Environmental Impact Statements. EPA, Wexford.

European Commission (2010). Europe 2020 Strategy.

European Commission (2017), Environmental Impact Assessment of Projects Guidance on Scoping.

EU Directive on the Assessment and Management of Floods (2007/60/EC)

European Union (2014). Directive 2014/52/EU. European Parliament and European Council Irish Statute Book (1995) Arterial Drainage (Amendment) Act S.I. No. 14 of 1995.

Irish Statute Book (2018). European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018).

Mayo County Development Plan 2014-2020

OPW (2018) CFRAM, Flood Risk Management Plan – Moy & Killala Bay

OPW (2019) Flood Risk Management – Climate Change Sectoral Adaptation Plan

OPW (2018) National 'CFRAM' Programme Technical Methodology Note — Option Appraisal. and the Multi-Criteria Analysis (MCA) Framework

Western Regional Assembly, (2010) – Regional Planning Guidelines for the West Region, 2010 – 2022.

Chapter 3: Description of the Proposed Works

Article 27 of the European Communities (Waste Directive) Regulations

NRA, (2004) National Roads Authority (NRA) publication Guidelines for the Treatment of Noise and Vibration in National Road Schemes (2004)

Transport Infrastructure Ireland Publications (Technical)

Structural Eurocodes:

- ECO Basis of Structural Design
- EC1 Actions on Structures
- EC2 Design of Concrete Structures
- EC7 Geotechnical Design

Chapter 4. Population and Human Health

BS 5228-1: (2009) Code of Practice for Noise and Vibration Control on Construction and Open Sites: Noise

DOEHLG (2013) Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment

DOEHLG (2001) Planning and Development Regulations 2001

DOHPLG (2017) National Planning Framework

Health & Safety Authority (2006) Guidelines on the Procurement, Design and Management Requirements of the Safety, Health and Welfare at Work (Construction) Regulations.

EPA (2002) EPA Guidelines on the information to be contained on Environmental Impact Statements

EPA (2003) Advice Notes on Current Practice (in the preparation of Environmental Impact Statements)

EPA (2017) Guidelines on Information to be contained in Environmental Impact Statements'

European Union (2014) Directive 2014/52/EU. European Parliament and European Council.

European Union (2011) Directive 2011/92/EU. European Parliament and European Council.

European Commission (2014) Environmental Impact Assessment (EIA) Directive (2014/52/EU)

Irish Statute Book (2018) European Union (Planning and Development) (Environmental Impact Assessment) Regulations 2018 (S.I. No. 296 of 2018).

Irish Statute Book (2001) Planning and Development Regulations (as amended) S.I. No. 600 of 2001. Stationery Office, Dublin.

Irish Statute Book (2000) Planning and Development Acts 2000 to 2020. Stationery Office, Dublin.

Mayo County Development Plan 2014—2020 Mayo County Council.

Office of Public Works (2009) 'The Planning System and Flood Risk Management: Guidelines for Planning Authorities'

Web resources

Census of Ireland 2011: www.census.ie

Central Statistics Office: www.cso.ie

Fáilte Ireland: www.failteireland.ie

Ordinance Survey Ireland website: www.osi.ie

o Local Community Websites: www.crossmolina.ie

Chapter 5. Biodiversity

Anon (2004) Margaritifera margaritifera. Stage 1 and Stage 2 survey guidelines. Irish Wildlife Manuals, No. 12. National Parks and Wildlife Service, Department of Environment, Heritage and Local Government, Dublin, Ireland.

Balmer, D.E., Gillings, S., Caffrey, B.J., Swann, R.L., Downie, I.S. and Fuller, R.J. (2013). Bird Atlas 2007-11: the breeding and wintering birds of Britain and Ireland. BTO Books, Thetford, UK.

Bat Conservation Ireland. - Private Database. [Accessed 12 Sept 2017].

Bern Convention (1982) Convention on the Conservation of European Wildlife and Natural Habitats

Birds Directive (2009/47/EC) – http://ec.europa.eu/environment/naturelegislation/birdsdirective/index _en.htm

Bonn Convention (1992) Convention on the Conservation of Migratory Species of Wild Animals. United Nations Environment Programme.

Brew, T., Gilligan. N., (2019) Environmental Guidance: Drainage Maintenance and Construction. Series of Ecological Assessments on Arterial Drainage Maintenance No. 13. Environment Section, Office of Public Works, Trim, Co. Meath, Ireland

British Bryological Society (2010) Mosses and Liverworts of Britain and Ireland - A Field Guide. CIEEM (2016) Guidelines for Ecological Impact Assessment in the UK and Ireland, Terrestrial, Freshwater and Coastal. Chartered Institute of Ecology and Environmental Management.

Colhoun, K. and Cummins, S. (2013). Birds of Conservation Concern in Ireland 2014-2019. Irish Birds 9(4): 523-544.

DoEHLG (2010) Appropriate Assessment of Plans and Projects in Ireland Guidance for Planning Authorities. Department of Environment, Heritage and Local Government.

DoEHLG (2013) Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment. Department of the Environment, Community and Local Government

Environmental Impact Assessment Directive (2011/92/EU)

EPA - http://gis.epa.ie/Envision - Environmental Protection Agency. [Accessed 19 Oct 2017]. EPA (2002) Guidelines on the information to be contained in Environmental Impact Statements. Environmental Protection Agency.

EPA (2003) Advice Notes on Current Practice (in the preparation of Environmental Impact Statements). Environmental Protection Agency.

EPA (2017). Draft revised guidelines on the information to be contained in Environmental Impact Statements. Environmental Protection Agency.

European Commission (2002). Assessment of plans and projects significantly affecting Natura 2000 sites.

European Commission (2011). Wind energy development and Natura 2000. Guidance document. European Union (Birds and Natural Habitats) Regulations 2011 to 2015 - http://irishstatutebook.ie

Fossitt. (2000) A Guide to Habitats in Ireland. The Heritage Council

Geological Survey of Ireland https://jetstream.gsi.ie/iwdds/map.jsp - [Accessed 19 Oct 2017]. Habitats Directive (92/43/EEC) -

http://ec.europa.eu/environment/nature/legislation/habitatsdirective/index en.htm

Inland Fisheries Ireland https://www.fisheriesireland.ie/Corporate/corporate-publications.html

Inland Fisheries Ireland https://www.fisheriesireland.ie/Projects/interactive-gis-map.html

Jackson, M. W., et al. (2016) Ireland Red Lists No. 10 Vascular Plants. The IUCN Red List of Vascular Plants.

King, J.L., Marnell, F., Kingston, N., Rosell, R., Boylan, P., Caffrey, J.M., FitzPatrick, Ú., Gargan, P.G., Kelly, F.L., O'Grady, M.F., Poole, R., Roche, W.K. & Cassidy, D. (2011) Ireland Red List No. 5: Amphibians, Reptiles & Freshwater Fish. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

Mayo County Council (2014). MayoCounty Development Plan 2014 - 2020. Mayo.

Moorkens, E. and Killeen, I. (2009) Mapping of the Distribution of Margaritifera margaritifera in the River Deel, Department of the Environment, Heritage & Local Government

NBDC - http://maps.biodiversityireland.ie - National Biodiversity Data Centre.

NPWS - http://webgis.npws.ie/npwsviewer/ - National parks and Wildlife Service.

NPWS (2009) Threat Response Plan Otter Lutra lutra 2009-2011. Environment Heritage and Local Government.

NPWS (2017) Margaritifera Sensitive Area map (Version 8)

NPWS Habitat Directive - Article 17 Datasets - https://www.npws.ie/maps-and-data/habitat-and-species-data

NRA (2008) Guidelines for the Treatment of Otters Prior to the Construction of National Roads Schemes. National Roads Authority.

NRA (2009) Ecological Surveying Techniques for Protected Flora and Fauna during the Planning of National Road Schemes. National Roads Authority.

NRA (2009a). Guidelines for Assessment of Ecological Impacts of National Road Schemes (Revision 2). National Roads Authority.

NRA (2009b) Environmental Impact Assessment of National Road Schemes –A Practical Guide NRA. 2006 Guidelines for the Treatment of Badger Prior to the Construction of National Roads Schemes. National Roads Authority.

Perrin, P, Martin, J, Barron, S, O'Neill, F. McNutt, K, Delaney, A, (2008). National Survey of Native Woodlands 2003-2008: Volume I: Main report. Report submitted to National Parks & Wildlife Service, Dublin.

Planning and Development Acts 2000 – 2015

Preston et al. (2002) New Atlas of the British and Irish Flora: An Atlas of the Vascular Plants of Britain, Ireland, The Isle of Man and the Channel Islands.

S.I. No. 356/2015 - Flora (Protection) Order, (2015) National Survey of Native Woodlands 2003-2008

SI 477/2011 - European Communities (Birds and Natural Habitats) Regulations 2011

Smith et.al. 2011. Best Practice Guidance for Habitat Survey and Mapping. The Heritage Council.

Stace. (2010). New Flora of the British Isles. Cambridge University Press Teagasc - http://gis.teagasc.ie/soils/map.php [Accessed 19 Oct 2017].

The EU Water Framework Directive (200/60/EC)

Toner, P., Bowman, K., Clabby, K., Lucey, J., McGarrigle, M, Concannon, C., Clenaghan, C., Cunningham, P., Delaney, J., O'Boyle, S., MaCarthaigh, M., Craig, M., and Quinn, R. (2005) Water Quality in Ireland 2001-2003. Environmental Protection Agency, Wexford.

Water Framework Directive

http://watermaps.wfdireland.ie/NsShare_Web/Viewer.aspx?Site=NsShare&ReloadKey=True [Accessed 19 Oct 2017].

Wildlife Acts 1976-2017

Chapter 6: Land Use, Geology and Soils in the Existing Environment

The European Commission 'Guidance on the Preparation of the Environmental Impact Assessment Report (2017),

The EPA Guidelines on the information to be contained in Environmental Impact Assessment Reports' (DRAFT August 2017)

The EPA 'Advice Notes on Current Practice in the preparation of Environmental Impact Statements'

The Institute of Geologists of Ireland 'Geology in Environmental Impact Statement – A Guide'.

The Department of Housing's 'Guidelines for Planning Authorities and An Bord Pleanála on

Carrying out Environmental Impact Assessment' (August 2018)

National Road Authority (Now TII) 'Guideline on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes'

Geology of North Mayo (1992) The Geology of North Mayo (Long, MacDermot, Morris, Sleeman & Titezsch-Tyler, GSI, 1992)

Mayo County Development Plan (2014-2020)

Explanatory Bulletin to Soil Map of Ireland 1980

The Trophic Status of Lough Conn, An Investigation into the Causes of Recent Accelerated Eutrophication (Mayo County Council, 1993)

Mayo County Council Planning Department (Application for Registration of Quarries under Section 261, Planning and Development Act 2000)

Other Sources of Information

Central Statistics Office, 2018

Geological Survey of Ireland's (GSI) online database

Chapter 7: Water

National River Basin Management Plan (2018 - 2021)

Well card data compiled by the Geological Survey of Ireland (GSI)

DoELG, National Water Study, County Mayo (2000)

The Floods Directive (2007/60/EC)

Flood Risk Management Plan for t	he Moy and Killala Bay Riv	ver Basin (2018)

The European Union (EU) WFD 2000/60/EC

Water Policy Regulations 2003 - 2014

European Communities Environmental Objectives (Surface Waters) Regulations 2009 – 2019

European Communities Environmental Objectives (Groundwater) Regulations 2010 - 2016

Quality of Salmonid Waters Regulations (S.I. No. 293 of 1988)

The European Commission 'Guidance on the Preparation of the Environmental Impact Assessment Report (2017)

DoEHLG,. Appropriate Assessment of Plans and Projects in Ireland - Guidance for Planning Authorities (2010)

The Department of Housing's 'Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment' (August 2018)

EPA, Guidelines on the Information to be contained in Environmental Impact Assessment Reports, Draft August, 2017

EPA, Advice Notes for Preparing Environmental Impact Statements, Draft September 2015. Institute of Geologists of Ireland, 2013. Guidelines for the Preparation of Soils, Geology and Hydrogeology Chapters of Environmental Impact Statements

Environmental Impact Assessment of National Road Schemes – A Practical Guide (Rev 1, NRA, 2008)

Article 7, Water Framework Directive (2000/60/EC)

IGI Guidelines (IGI, 2013) Guildlines for the Preparation of Soils, Geology and Hydrology of Environmental Statements

NRA (now TII) Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes (2008)

(CIRIA 2003) CIRIA Report 116: Design of reinforced grass waterways 2003

(Bunn and Arthington, 2002) Basic Principles and Ecological Consequences of Altered Flow Regimes for Aquatic Biodiversity – Stuart E. Bunn and Angela H. Arthington

Karst of Ireland: Landscape Hydrogeology Methods - David Drew

Other Sources of Information

Ordnance Survey

Geological Survey of Ireland (GSI)

Surface Water Results for the River Deel

Met Éireann meteorological data

Mayo County Council:

Planning Register

Water Services - Abstractions, Discharges & Supply Schemes

National Parks and Wildlife Services (NPWS):

Designated Areas Mapping

Site Synopsis Reports

Web Resources

- OPW hydrological data:
 - O Real time data <u>www.waterlevel.ie</u>
 - Archived data <u>www.opw.ie/hydro-data</u>
- EPA:
 - o water quality database (https://gis.epa.ie/EPAMaps/); and
 - www.epa.ie for Annual Environmental Report for Crossmolina WWTP
- The Water Framework Directive website www.catchments.ie

•

Chapter 8: Air Quality & Climate / Noise & Vibration

The European Commission 'Guidance on the Preparation of the Environmental Impact Assessment Report' (2017),

The European Commission 'Guidance on Integrating Climate Change and Biodiversity into Environmental Impact Assessment' 2013

The EPA Guidelines on the information to be contained in Environmental Impact Assessment Reports' (DRAFT August 2017)

The EPA 'Advice Notes on Current Practice in the preparation of Environmental Impact Statements'

DOEHLG (2004) Quarries and Ancillary Activities, Guildlines for Planning Authorities

The Department of Housing's 'Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment' (August 2018)

European Union (EU) Directive 2008/50/EC

Air Quality Standards Regulations 2011 (S.I. No. 180/2011)

The European Environment Agency report Air Quality in Europe - 2019

(EPA, 2019) Air Quality in Ireland 2018"

(DECL, 2014) National Policy Statement

National Roads Authority (NRA) publication Guidelines for the Treatment of Noise and Vibration in National Road Schemes (2004)

(EPA, 2016) Ireland's Environment 2016 - An Assessment, ISBN 978-1-84095-679-5

(EPA, 2017) Air Quality in Ireland 2016, Key Indicators of Ambient Air Quality. ISBN 978-1-84095-719-5

(EPA, 2017) National Ambient Air Quality Monitoring Programme 2017- 2020. ISBN: 978-1-84095-807-2

(EPA. 2018) Air Quality in Ireland 2017, Key Indicators of Ambient Air Quality. ISBN: 978-1-84095-807-2

(World Health Organisation, 2006) Air Quality Guildlines - Global Update 2005

(White et al, 2002). Press-In Piling: Ground Vibration and Noise During Pile Installation. David Whit, Tim Finlay, Malcolm Bolton and Grant Beats,

British Standard BS 7385 - 2 (1993): Evaluation and measurement for vibration in buildings Part 2: Guide to damage levels from ground borne vibration

BS 5228-1: 2009: Code of Practice for Noise and Vibration Control on Construction and Open Sites Part 1: Noise

British Standard BS 5228 – 2 (2009): Code of Practice for Noise and Vibration Control on Construction and Open Sites: Vibration

ISO 1996: 2007: Acoustics – Description, measurement and assessment of environmental noise.

BS 7385-1 (1990) Evaluation and measurement for vibration in buildings — Part 1: Guide for measurement of vibrations and evaluation of their effects on buildings

BS 6841 (1987) Guide to Measurement and Evaluation of Human Exposure to Whole-Body Mechanical Vibration and Repeated Shock

Chapter 9. Landscape and Visual

Aalen, F.H.A. et al (1997) Atlas of the Irish Rural Landscape. Cork University Press.

DOEHLG (2015) Landscape and Landscape Assessment: Consultation Draft of Guidelines for Planning Authorities

DOEHLG (2018) Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment EPA (2002) Guidelines on the information to be contained on Environmental Impact Statements

EPA (2017) Draft guidelines on the information to be contained on Environmental Impact Statements

EPA (2003) Advice Notes on Current Practice (in the preparation of Environmental Impact Statements)

European Commission (2017) Environmental Impact Assessment of Projects - Guidance on the preparation of the Environmental Impact Assessment Report

The Landscape Institute/Institute of Environmental Management and Assessment, UK (2013) Guidelines for Landscape and Visual Impact Assessment

Mayo County Council (2014) Mayo County Development Plan 2014-2020

Mayo County Council (2014) Landscape Appraisal of County Mayo

Sources of Information

1:50,000 scale Discovery series mapping
Aerial photography of the Study Area
Mayo County Council Website

Chapter 10: Cultural Heritage

Aalen, F.H.A. et al (2011) Atlas of the Irish Rural Landscape. Cork University Press.

Anon. (1990) 'The Deel Basin: a historical survey', Crossmolina Historical & Archaeological Society

EPA (2017) Draft guidelines on the information to be contained in EIARs

International Council on Monuments and Sites (2011) Guidance on Heritage Impact Assessments for Cultural World Heritage Properties

Lewis, S. (1837) Topographical Dictionary of Ireland. 2 Volumes, Lewis & Company, London

Mayo County Council (2011) County Mayo Heritage Plan 2011-2016

Mayo County Council (2014) Mayo County Development Plan 2014-2020

McParlan, J. (1802) Statistical survey of the county of Mayo

Nolan, W. (1982) Tracing the Past: Sources for local studies in the Republic of Ireland. Dublin

Neweham, T. (1809) A View of the Natural, Political and Commercial Circumstances of Ireland, T. Cadell & W. Davies

Rynne, C. (2006) Industrial Ireland 1750-1930: An Archaeology. Collins Press.

Web Resources

National Excavations Database: www.excavations.ie

National Monuments Service: www.archaeology.ie

Ordnance Survey of Ireland: www.osi.ie/mapviewer

Placename index of Ireland: www.logainm.ie

Heritage Council: https://heritagemaps.ie/

Chapter 11: Material Assets

The European Commission 'Guidance on the Preparation of the Environmental Impact Assessment Report (2017),

The EPA Guidelines on the information to be contained in Environmental Impact Assessment Reports' (DRAFT August 2017)

The Department of Housing's 'Guidelines for Planning Authorities and An Bord Pleanála on Carrying out Environmental Impact Assessment' (August 2018)

Mayo County Development Plan, (2014 - 2020)

Connaught Ulster Waste Management Plan (2015- 2021)

EPA, Guidelines on the information to be contained in Environmental Impact Assessment Reports, Draft August 2017

EIA directive and the European Union (Environmental Impact Assessment) Arterial Drainage Regulations 2019.

Transport Infrastructure Ireland Publications (Technical)

Structural Eurocodes:

ECO Basis of Structural Design

EC1 Actions on Structures

EC2 Design of Concrete Structures

EC7 Geotechnical Design

The Mayo NRDO 2007 traffic survey

Department of the Transport's Traffic Signs Manual "Chapter 8 Temporary Traffic Measures and Signs for Roadworks"

Guidance for the Control and Management of Traffic at Roadworks – Second Edition

ESB Code of Practice for Avoiding Danger from Overhead Electricity Lines, May 2019

HSA Code of Practice for Avoiding Danger from Underground Services, 2010

Best Practice Guidelines for the Preparation of Waste Management Plans for Construction and Demolition Projects (2006)

Waste Management (Planning) Regulations 1997

Waste Management (Facility Permit & Registration) Regulations 2007

EIA Directive (2014/52/EU)

Other Sources of Information

EPA Waste Water Discharge Licence Applications database