

**1.2 APPENDIX TO CHAPTER 1 – Authors' Expertise and Competencies**

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| Competent Person  | Company                                            | Chapters                                                                                                                                                                                                                                                                                                             | Area of Expertise | Summary of Professional Expertise.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Linda McEllin     | Brock McClure Planning and Development Consultants | Non-Technical Summary (with others)<br>1 - Introduction<br>2 - Site Context & Description of Development<br>3- Planning Context<br>4 - Consideration of Alternatives<br>5 - Population and Human Health<br>18 - Risk of Major Accidents and/or Disasters<br>19 - Interactions<br>20 - Summary of Mitigation Measures | Planning          | These chapters were reviewed by Linda McEllin, Associate Director at Brock McClure Planning & Development Consultants. Linda has worked at Brock McClure for 11 years and has over 18 years' experience in the private planning sector. Linda has focused her expertise in the areas of Large Scale Residential Developments. Linda has a Master's Degree in Regional and Urban Planning from University College Dublin and is a Corporate Member of the Irish Planning Institute. |
| Katarina Kanevova | Brock McClure Planning and Development Consultants | 1 - Introduction<br>2 - Site Context & Description of Development<br>3- Planning Context<br>4 - Consideration of Alternatives<br>5 - Population and Human Health<br>18 - Risk of Major Accidents and/or Disasters<br>19 – Interactions<br>Volume 3- Appendices                                                       | Planning          | Katarina Kanevova, completed her Master's Degree in Spatial Planning at Slovak University of Technology in Bratislava, Slovakia in 2010. Following her studies she worked in forward planning, specialised on land-use planning projects in Slovakia. Katarina is a Corporate Member of the Irish Planning Institute.                                                                                                                                                              |
| Kian Pyburn       | Brock McClure Planning and Development Consultants | 1 - Introduction<br>2 - Site Context & Description of Development<br>3- Planning Context<br>5 - Population and Human Health<br>20 - Summary of Mitigation Measures<br>19 – Interactions<br>Non-Technical Summary (with others)                                                                                       | Planning          | Kian Pyburn is a graduate planning consultant who completes his Master's degree in Planning and Development from Queen's University Belfast in 2025.                                                                                                                                                                                                                                                                                                                               |
| John MacPolin     | O Mahony Pike Architects                           | 4 - Consideration of Alternatives                                                                                                                                                                                                                                                                                    | Architects        | John MacPolin is an associate of O'Mahony Pike Architects. John MacPolin, B.Arch. (NUI) University College Dublin, Certificate in Architectural Professional Practice and Practical Experience (NUI) University College Dublin. As an Associate in the O'Mahony Pike Architects, John has been involved as Design Team Leader and Project Architect in many key projects of varying types and scales at OMP.                                                                       |

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| Beth Simms      | DNV | 6- Biodiversity (desktop study) | Ecology | <p>BMS is a seconded Ecologist with DNV and has both a BSc (Hons) in Ecological and Environmental Sciences, and an MSc in Carbon Management from the University of Edinburgh. BMS has experience in environmental and ecological data collection, field surveys and report writing and has previously undertaken projects in natural flood management and invasive species mapping. BMS has recently gained experience specifically in undertaking desk studies for stage 1 and 2 ecology notes, Appropriate Assessment (AA) screenings and has supported in the preparation of various ecological reports.</p> <p>All bat-related surveys, data analysis and reporting were prepared/carried out by CBH, LG, Caitlin Markey (CM), and Kelly Macken (KM).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Brian McCloskey | DNV | 6- Biodiversity (bird surveys)  | Ecology | <p>BMcC is an Ecologist and experienced Ornithologist with 12 years of bird survey experience. BMcC is a longstanding and active member of Bird Watch Ireland and has provided Ornithology survey work for ecological consultancies, e.g., vantage points surveys of gulls, terns, raptors, waders, and wildfowl; hinterland surveys of the above as well as riverine species; and breeding waders and country birds. BMcC is highly experienced with all survey methodologies and with surveying all species groups of Irish birds and migrants.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tom Ryan        | DNV | 6- Biodiversity (bird surveys)  | Ecology | <p>TR has a B.Sc. in Environmental and Natural Resource Management (Hons) and a Post-Graduate Diploma in Environmental Management with GIS. TR is an experienced Ecologist who has specialised in ornithology and terrestrial mammals with over 8 years' experience in ecological consultancy along with a lifetime of personal interest and experience in wildlife management. TR has extensive field experience with further experience and competencies in desktop research, preparing AA Screening Reports, EclAs, Bird Activity Reports and detailed Species-Specific Maps. His ability to deal with and understand a range of species, survey methods and habitats is excellent, having an in-depth knowledge and understanding of EU and Irish legislation. SH has a B.Sc. (Hons) in Zoology and a Ph.D. in Marine Ecology from University College Dublin, with three years of experience in ecological consultancy to date. SH has a wealth of experience in desktop research, large data analyses, literature review and reporting, as well as practical field and laboratory experience including habitat mapping, invasive species surveys, freshwater and marine fish surveys and environmental DNA analysis. SH has prepared several Stage I and Stage II AA Reports and EclAs. Additionally, SH has authored and supported the preparations of a number of Biodiversity Chapters for Environmental Impact Assessment Reports.</p> |

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| Liam Gaffney       | DNV | 6- Biodiversity (badger and bat surveys)         | Ecology | <p>LG is a Senior Ecologist with 5 years of experience in Ecological Consultancy. With a B.Sc. in Zoology (Hons) and a M.Sc. (Hons) in Wildlife Conservation and Management from University College Dublin LG is experienced in desktop research, literature scoping-review, and report writing, as well as practical field experience (e.g., Bat surveys, habitat surveys, invasive species surveys, wintering bird surveys, large mammals, fresh water macro-invertebrates etc.). LG's MSc thesis was a literature scoping review on the ecosystem services provided by Irish bats. He has also completed best practice guidance courses on bat survey and mitigation techniques such as: 'Bat Ecology &amp; Survey' and 'Bat Impacts and Mitigation' both held by CIEEM. LG is experienced in compiling Biodiversity Chapters of EIARs, EcIAs, AA Screening and Natura Impact Statements (NIS) reports, and in the overall assessment of potential impacts to ecological receptors from a range of developments. LG is also a Qualifying member of CIEEM.</p> |
| Ciara Barry-Hannon | DNV | 6- Biodiversity (author of biodiversity chapter) | Ecology | <p>CBH is a Senior Ecologist with DNV and has a BSc. (Hons) in Wildlife Biology from Munster Technological University (formerly ITT). CBH has a wealth of experience in desktop research, literature review and reporting, as well as practical field and laboratory experience including experience in surveying habitats, plants, bats, birds, mammals, and invasive species. CBH is experienced in the preparation of Preliminary Ecological Assessments (PEA), EcIA, and Stage I/Stage II AA Reports, as-well as ornithology reports for renewable energy projects (wind and solar technology). Additionally, CBH has completed, and supported the preparations of several Biodiversity Chapters for EIARs. CBH is also a Qualifying member of CIEEM.</p>                                                                                                                                                                                                                                                                                                    |
| Caitlin Markey     | DNV | 6- Biodiversity (bat survey and analysis)        | Ecology | <p>CM was a 2025 Intern Ecologist with DNV and has a B.Sc. (Hons) in Zoology from University College Dublin. CM has experience in data collection, ecological modelling, report writing, animal handling, and field surveying, including invasive species sampling, animal behaviour monitoring, species identification, and habitat sampling. CM has partaken in projects across marine, freshwater and terrestrial systems, focusing on ecological impacts and invasive species, and has contributed to relevant reports and academic research.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Kelly Macken       | DNV | 6- Biodiversity (bat survey and analysis)        | Ecology | <p>KM is a Graduate Ecologist with DNV and has a B.Sc. (Hons) in Environmental Biology from University College Dublin. KM has a range of fieldwork experience including mammal, bird, and amphibian surveys in addition to freshwater ecology research. Her deskwork experience includes bat call analysis, habitat mapping, and report writing. KM has contributed to the preparation of several Stage 1 AA Screenings, Stage 2 Natura Impact Statements (NIS), and Preliminary Ecological Assessment reports.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| Liana Roche     | AWN Consulting Ltd. | 7. Land, Soils, Geology, Hydrogeology and Utilities<br>8. Hydrology | Land, Soils, Geology, Hydrogeology and Utilities | Liana Rocha (BEng MSc) is a Senior Environmental Consultant with AWN Consulting, currently working within the water department. Liana holds bachelor's degrees in Environmental and Civil Engineering, a Master's in Geotechnical Engineering, and is currently completing a PhD in Geotechnical Engineering. She has worked on a wide range of projects including environmental investigations, environmental impact assessment reports, contaminated land remediation, geotechnical assessments, Due Diligence reporting, baselines studies, and monitoring of soil, surface water and groundwater, as well field sampling programmes in Brazil. Liana is a member of the International Association of Hydrogeologists (Irish Group).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Marcelo Allende | AWN Consulting Ltd. | 7. Land, Soils, Geology, Hydrogeology and Utilities<br>8. Hydrology | Land, Soils, Geology, Hydrogeology and Utilities | Marcelo Allende (BSc, BEng) is a Principal Environmental Consultant (Hydrologist) with AWN Consulting with over 20 years of experience in water resources technical studies, conceptual and numerical hydrological/hydrogeological modelling and environmental consultancy. Marcelo holds a degree in Water Resource Civil Engineering (BEng, Hons) from the University of Chile and a Bachelor of Science in Engineering (BSc, Hons). He has worked on a wide of range of projects including multi-aspect environmental investigations, geo-environmental impact assessments, surface and groundwater resource management, hydrological and hydrogeological conceptual and numerical modelling, strategic and site specific flood risk assessments (Stage 1,2 and 3), Due Diligence reporting, baselines studies, soils, surface water and groundwater monitoring and field sampling programmes on a variety of brownfield and greenfield sites throughout Ireland as well as overseas in Chile, Argentina, Peru and Panama. He also has detailed knowledge of environmental guidance, legislation, regulations & standards and expertise in GIS (expert level) and MATTE studies at COMAH establishments. He is currently a member of the International Association of Hydrogeologists (IAH, Irish Group) and a member of Engineers Ireland (MIEI). |
| Abe Scheele     | AWN Consulting Ltd. | 9.Noise and Vibration                                               | Acoustics Consultant                             | The noise and vibration assessment has been prepared by Abe Scheele (Acoustic Consultant). Abe holds a City and Guilds Level 1 and 2 in Sound Engineering and City and Guilds Music Technology and has completed the Institute of Acoustics (IOA) Diploma in Acoustics and Noise Control. Abe has been working in the field of acoustics since 2016. He is experienced in environmental, building and architectural acoustics. He has knowledge of surveying, computer modelling, impact assessment of environmental noise and architectural acoustic assessments for various sectors including industrial, commercial, and residential.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| Darragh Grant        | DNV | 10. Air Quality                | Air Quality         | Darragh Grant, Environmental Consultant with DNV. Darragh is an Environmental Impact Assessment (EIA) practitioner with a bachelor's degree in Zoology (University College Dublin) and a master's degree in Environmental & Climate Law (University College Dublin). Darragh has experience preparing EIA Screening Reports, Material Assets (Waste and Utilities), Interactions and Mitigation & Monitoring chapters of Environmental Impact Assessment Reports (EIARs)                                                                                 |
| Gráinne Ryan,        | DNV | 10. Air Quality                | Air Quality         | This chapter has been reviewed by Gráinne Ryan, Principal EIA Consultant at DNV. Gráinne is an Environmental Consultant with 12 years' experience, specialising in EIAs for strategic infrastructure, renewable energy, residential, industrial and pharmaceutical projects. Gráinne has a B.A. in Geography, Planning and Environmental Policy, an MSc in Environmental Policy and a Post Graduate Diploma in Project Management.                                                                                                                       |
| Catherine Keogan     | DNV | 10. Air Quality                | Air Quality         | This chapter has been approved by Catherine Keogan, Technical Director and EIA Lead at DNV. Catherine is an environmental consultant with 37 years experience in consultancy, specialising in EIAs for large-scale residential, commercial developments, pharmaceutical, BESS and solar projects working closely with a range of developers, planning consultants and architects within the public and private sector. Catherine has a bachelor's degree (Hons) in Analytical Science and a Post Graduate Diploma in Renewable Energy Technology Systems |
| Leah Moloney         | DNV | 10. Air Quality<br>11. Climate | Climate Consultants | This Chapter was prepared by Leah Moloney, Environmental Consultant, DNV. Leah has a BA of Science (Hons) degree. Leah has worked as an Environmental Consultant with DNV since 2024 and has built up experience preparing Climate Change Impact Assessments, Environmental Impact Assessment (EIA) Screening Reports, Air Quality and Climate, Noise and Vibration, and Material Assets (Waste and Utilities) assessments and chapters for EIARs.                                                                                                       |
| DR. Cristina Paduano | DNV | 12. Wind and Microclimate      | Wind & Microclimate | Dr. Cristina Paduano is a Chartered Engineer (CEng) and member of Engineers Ireland who specialises in computational fluid dynamics applications for urban environment and the construction industry with over 15 years of experience. She holds a PhD in Mechanical Engineering from Trinity College Dublin, with M.Eng and B.Eng in Aerospace Engineering.                                                                                                                                                                                             |
| DR. Arman Safadri    | DNV | 12. Wind and Microclimate      | Wind & Microclimate | Dr. Arman Safdari is a CFD Modelling Engineer who specialises in computational fluid dynamics applications. He is an expert in airflow modelling, heat and mass transfer and multi-phase flow simulations. He holds a PhD in Mechanical Engineering from Pusan National University, a M.Sc. and B.Sc. in Mechanical Engineering.                                                                                                                                                                                                                         |

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| Dr. Sadia Siddiq | DNV        | 12. Wind and Microclimate                  | Wind & Microclimate | Dr. Sadia Siddiq is a CFD Modelling Engineer and member of Engineers Ireland (MIEI) specialising in computational fluid dynamics applications. With expertise in modelling fluid flows, airflow patterns, and heat/mass transfer, she's skilled at applying her knowledge to solve real-world challenges in fluid dynamics. She holds a PhD in Computational Mathematics from COMSATS University, where her research focused on CFD applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Richard Butler   | Modelworks | 13. Landscape and Visual Impact Assessment | Visual Consultants  | <p>The Landscape and Visual Impact Assessment (LVIA) chapter was prepared by Richard Butler of Model Works Ltd. Richard has degrees in Landscape Architecture and Town Planning, is a member of the Irish Landscape Institute and the Irish Planning Institute, and has over 25 years' experience in development and environmental planning, specialising in LVIA. In the last number of years, Richard has prepared LVIA (in the form of EIAR chapters or stand-alone reports) for the following projects among others:</p> <ul style="list-style-type: none"> <li>• Newtown Park SHD, Newtownpark Avenue, Blackrock;</li> <li>• Project Montrose (former RTÉ lands) LRD, Donnybrook, Dublin;</li> <li>• Pembroke Quarter (Irish Glass Bottle and Fabrizia sites) Phases 1, 1B, 2, A, Poolbeg West Strategic Development Zone, Dublin;</li> <li>• St Vincent's Hospital and Residential Development, Fairview, Dublin;</li> <li>• Guinness Quarter, James's Street, the Liberties, Dublin;</li> <li>• Independent House LRD, Abbey Street, Dublin;</li> <li>• Rotunda Hospital Critical Care Wing, Parnell Square, Dublin;</li> <li>• Sandford Road LRD, Dublin;</li> <li>• Parkside 4, 5B and 6 SHDs, Clongriffin-Belmayne;</li> <li>• O'Devaney Gardens SHD, Dublin;</li> <li>• Dublin Arch (Connolly Quarter).</li> </ul> |
| Eoin Reynolds    | NRB        | 14. Material Assets- Traffic and Transport | Traffic Engineers   | Eoin Reynolds is a Chartered Engineer and founding Director of NRB. Eoin also specialises in the field of Traffic and Transportation & Roads Design and has over 36 years' experience in assessing the infrastructure needs of development. He is expert in the provision of advice to both private sector and public sector clients on all aspects of roads, traffic and transportation, and mobility management. Eoin is also expert in the use of Traffic Engineering Modelling Software (TRICS, ARCADY, PICADY, LINSIG, Traffic and Network Study Tool (TRANSYT) and Micro-Simulation Techniques). He has given expert evidence at planning appeals, oral hearings and public enquiries..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Brian McMahon    | NRB        | 14. Material Assets- Traffic and Transport | Traffic Engineers   | Brian McMahon is a Chartered Engineer and Director of NRB. Brian has 20 years' experience in planning, design and management of traffic and transportation projects. Brian is an expert in the application of software packages such as ARCADY, PICADY, LinSig and the TRICS trip generation database. Brian is an experienced Road Safety Audit Team Lead, Transport                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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|                  |             |                                       |                                                     | Infrastructure Ireland (TII) approved, with over 200 Road Safety Audits (RSAs) undertaken within Ireland and the UK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Chonaill Bradley | DNV         | 15. Material Assets- Waste Mangement  | Waste Management                                    | Chonaill Bradley (Bsc ENV,PG Dip Circ Econ, AssocCIWM) of AWN Consulting. Chonaill is an Associate in the Environment Team at AWN. He holds a BSc in Environmental Science from Griffith University, Australia and a Postgraduate Diploma in Circular Economy Leadership for the Built Environment from the Atlantic Technological University, Galway. He is an Associate Member of the Institute of Waste Management (AssocCIWM). Chonaill has over ten years' experience in the environmental consultancy sector and specialises in waste management.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Franc Myles      | Franc Myles | 16. Archaeology and Cultural Heritage | Architectural, archaeological and Cultural Heritage | <p>Franc Myles MUBC MIAI of <i>Archaeology and Built Heritage Ltd.</i> Franc Myles has worked as a field archaeologist since graduating with an Honours Degree in History from Trinity College Dublin in 1987. After several years living in Vienna, he took a Master's Degree in Urban and Building Conservation from University College Dublin, graduating in 1999. He has lectured on the Postgraduate Diploma in Applied Building Repair and Conservation in TCD from its inception in 2004.</p> <p>Franc is Principal Archaeologist with <i>Archaeology and Built Heritage</i>, a practice he founded in 2013 which maintains a critical interest in the later cultural past. He became licensed in 1999, having worked as a field archaeologist in various capacities for the National Monuments Service, the Museum of London and the Archaeological Survey of Northern Ireland. Prior to 2009 he was employed as a Senior Project Archaeologist with Margaret Gowen &amp; Co. Ltd. with a specific responsibility for urban archaeology, heritage planning and built heritage investigations.</p> <p>He has directed several large excavations in Dublin, including the western side of Smithfield, an unrecorded arubah mill on the seventeenth-century shoreline under Sir John Rogerson's Quay, and a previously hidden Emergency-era explosives factory on Parkgate Street. He has also excavated sites on the western islands, dating from the early-Christian period to their twentieth-century abandonment. As a buildings archaeologist Franc has researched structures of all periods, with a particular interest in pre-Georgian urban housing, and he currently sits on the Board of the Dublin Civic Trust.</p> <p>Franc is a former Board member of the Institute of Archaeologists of Ireland (IAI), a founding committee member of the Irish Post Medieval Archaeology Group and has recently retired as News Editor of <i>Archaeology Ireland</i>. He has published and lectured on many aspects of the country's built and archaeological heritage and an interest in music production has led to an inquiry into the archaeology of disco in a Munich basement, and the transition from wind to analogue to digital on Dublin's Windmill Lane. His present research interests extend from the former Czechoslovakia to East Tilbury in</p> |

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|                |      |                                  |                         | Essex, investigating the thwarted social Modernism of the Bat'a shoe company and its extensive architectural trace.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Garrett O'Neil | CONA | 17. Architectural Built Heritage | Conservation Architects | It was prepared by Garrett O'Neill Dip. Arch., MUBC, FRIAI of Cathal O'Neill + Co, Architects and Conservation Architects. He has 42 years' post-graduate experience, has completed master's degree courses in Urban and Building Conservation (UCD) and History of Art and Architecture (TCD) and is an RIAI Accredited Conservation Architect (Grade 2). Projects for which he has acted as Conservation Consultant include Ballykelly Distillery and Cery & Co. Office procedures are regularly checked for compliance with the RIAI Good Practice Guide. The writer exceeds requirements to obtain and record annual CPD training. |