

Summer 2023



Regional Water Resources Plan

North West

Natura Impact Statement

Appendix E



Tionscadal Éireann
Project Ireland
2040



Data disclaimer: This document uses best available data at time of writing. As data relating to population forecasts and trends are based on information gathered before the Covid-19 Pandemic, monitoring and feedback will be used to capture any updates. The National Water Resources Plan will also align to relevant updates in applicable policy. In December 2022, the Water Services (Amendment) (No. 2) Act, 2022 was signed into law. This act provides that, from the 31 December 2022, Irish Water will only be known as Uisce Éireann. It also provides that, from that date, all references in any enactment, legal proceedings or other document to Irish Water shall be construed as references to Uisce Éireann only. The NIS reflects this transition from Irish Water to Uisce Éireann.

Baseline data included in the RWRP-NW has been incorporated from numerous sources including but not limited to; National Planning Framework, Central Statistics Office, Regional Spatial and Economic Strategies, Local Authority data sets, Regional Assembly data sets and Uisce Éireann data sets. Data sources will be detailed in the relevant sections of the RWRP-NW. 2019 was selected as the base year to align with the planning period (2019-2025) of the NWRP.

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Appendix E

In-combination Tables

Table E1: SAA-Potential in-combination effects with other projects and options within SAA

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| STUDY AREA A | | | | | |
| <p>SAA-111a</p> <p>New surface water (SW) abstraction from Lough Altan and new water treatment plant (WTP).</p> <p>The option study area is within and adjacent to the Cloghernagore Bog and Glenveagh National Park SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey. There is potential for disturbance to QI species such as otter. There is also the potential for the spread of invasive species given the works are adjacent/ within the SAC boundary. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is hydrologically linked to the Ballyness Bay SAC which is 7.2km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts predicted.</p> <p>Option study area is within/ adjacent to the Derryveagh and Glendowan Mountains SPA. During construction there is the potential for the loss and pollution of protected and supporting habitats for QI birds. As a result of this habitat loss and pollution there is a risk of mortality to QI birds and their prey. There is also potential for disturbance to birds given the proximity of works. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are approximately 20km north-west from the scheme and therefore no in-combination effects are predicted. Ballyness Bay SAC is 40km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>The SEED Project, Stranorlar</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are approximately 20km north-west from the scheme. Ballyness Bay SAC is 40km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 20km or more distant, no in-combination effects are possible.</p> <p><u>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC is approximately 8km east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 8km east from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Harbour to Island regeneration project assumed as assessment not available at time of writing). Ballyness Bay SAC is 25km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 45km north from these schemes and therefore no in-combination effects are predicted. Ballyness Bay SAC is 70km north from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Buncrana Community Nursing Unit; and Swan Park restoration, Buncrana</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 25km west from these schemes and therefore no in-combination effects are predicted. Ballyness Bay SAC is 40km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 40km west from the scheme. Ballyness Bay SAC is 50km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 40km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 40km west from the scheme and therefore no in-combination effects are predicted. Ballyness Bay SAC is 50km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Dungloe Community Hospital</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC is approximately 1.5km west from the scheme. There is a hydrological link, but the European site is upstream of the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to otter and salmon during construction. Derryveagh and</p> | <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration works.</p> <p>Yes – from disturbance impacts on the Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Dungloe Community Hospital works.</p> <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species impacts on the Cloghernagore Bog and Glenveagh National Park SAC and from habitat loss, pollution, mortality and disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the N56 Dungloe to Glenties works and during operation from habitat degradation and water table/availability on Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA.</p> <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Falcarragh Community Hospital works.</p> <p>Yes – from pollution and disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Milford, Ramelton and Rathmullan</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Glendowan Mountains SPA is approximately 1.5km west from the scheme. There is a hydrological link, but the European site is upstream of the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Dungloe Community Hospital project assumed as assessment not available at time of writing). Ballyness Bay SAC is 25km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Dungloe to Glenties</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, disturbance and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Derryveagh and Glendowan Mountains SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for the N56 Dungloe to Glenties project assumed as assessment not available at time of writing). Ballyness Bay SAC is 25km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 30km north from the scheme and therefore no in-combination effects are predicted. Ballyness Bay SAC is 50km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC is approximately 5.5km south from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 5.5km south from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Falcarragh Community Hospital project assumed as assessment not available at time of writing). Ballyness Bay SAC is approximately 1km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 35km north from the scheme. Ballyness Bay SAC is 60km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified were identified and no potential for in-combination effects. These European sites are 35km or more distant, no in-combination effects are possible.</p> <p><u>Ocean Innovation Centre Ireland, Killybegs</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 35km north from the scheme and therefore no in-combination effects are predicted. Ballyness Bay SAC is 60km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 12km west from this scheme but no hydrological connection exists and these European sites lie in a separate hydrological sub-catchment. Ballyness Bay SAC is 30km north-west from this scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 12km or more distant and not</p> | <p>Wastewater Treatment Plant works.</p> | | |

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| | | <p>hydrologically connected, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC is approximately 12km west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 12km west from these schemes. However, given the location of these schemes within Letterkenny it is not likely for there to be in-combination effects from disturbance to QI bird species. Ballyness Bay SAC is 30km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Donegal Library</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 25km north from the scheme and therefore no in-combination effects are predicted. Ballyness Bay SAC is 50km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC is 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is 10km west from the scheme, but no hydrological connection exists. NIS available which identified pollution of supporting habitats and disturbance during construction as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Ballyness Bay SAC is 30km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 18km west from the scheme, but no hydrological connection exists. Ballyness Bay SAC is 30km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 18km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>Cloghernagore Bog and Glenveagh National Park and the Derryveagh and Glendowan Mountains SPA are 25km west from the scheme and therefore no in-combination effects are predicted. Ballyness Bay SAC is 45km north-west from the scheme and therefore no in-combination effects are predicted.</p> | | | |
| SAA-118a New SW abstraction from Loch an Luir and new WTP. Option study area is hydrologically linked to the Gweedore Bay and Islands SAC which is 1.2km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is potential for disturbance to QI species such as otter. No operational impacts predicted. Option study area is within/adjacent to the Derryveagh and Glendowan Mountains SPA . During construction there is the potential for the loss and pollution of protected and supporting habitats for QI | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>Gweedore Bay and Islands SAC is approximately 50km north-west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 20km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>The SEED Project, Stranorlar</u></p> <p>Gweedore Bay and Islands SAC is approximately 50km north-west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 20km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 20km or more distant, no in-combination effects are possible.</p> <p><u>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</u></p> <p>Gweedore Bay and Islands SAC is approximately 11km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted.</p> | <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration works.</p> <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Dungloe Community Hospital works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| <p>birds. As a result of this habitat loss and pollution there is a risk of mortality to QI birds and their prey. There is also potential for disturbance to birds given the proximity of works. No operational impacts are predicted.</p> | | <p>Derryveagh and Glendowan Mountains SPA is approximately 8km east from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Harbour to Island regeneration project assumed as assessment not available at time of writing).</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>Gweedore Bay and Islands SAC is approximately 65km north from these schemes and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 45km north from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Buncrana Community Nursing Unit; and Swan Park restoration, Buncrana</u></p> <p>Gweedore Bay and Islands SAC is approximately 55km west from these scheme and therefore in-combination impacts are predicted. Derryveagh and Glendowan Mountains SPA is approximately 25km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> <p>Gweedore Bay and Islands SAC is approximately 70km west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 40km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 40km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>Gweedore Bay and Islands SAC is approximately 70km west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 40km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Dungloe Community Hospital</u></p> <p>Gweedore Bay and Islands SAC is approximately 13km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 1.5km west from the scheme. There is a hydrological link, but the European site is upstream of the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Dungloe Community Hospital project assumed as assessment not available at time of writing).</p> <p><u>N56 Dungloe to Glenties</u></p> <p>Gweedore Bay and Islands SAC is approximately 13km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, and disturbance during construction. (LSEs for the N56 Dungloe to Glenties project assumed as assessment not available at time of writing).</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>Gweedore Bay and Islands SAC is approximately 50km north from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 30km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>Gweedore Bay and Islands SAC is approximately 13km west from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 5.5km south from</p> | <p>Yes – from habitat loss, pollution, mortality, and disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the N56 Dungloe to Glenties works.</p> <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Falcarragh Community Hospital works.</p> <p>Yes – from pollution and disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Milford, Ramelton and Rathmullan Wastewater Treatment Plant works.</p> | | |

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| | | <p>the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Falcarragh Community Hospital project assumed as assessment not available at time of writing).</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>Gweedore Bay and Islands SAC is approximately 50km north from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 35km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 35km or more distant, no in-combination effects are possible.</p> <p><u>Ocean Innovation Centre Ireland, Killybegs</u></p> <p>Gweedore Bay and Islands SAC is approximately 50km north from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 35km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u></p> <p>Gweedore Bay and Islands SAC is approximately 40km west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 12km west from these schemes and lies in a separate hydrological sub-catchment. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 12km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u></p> <p>Gweedore Bay and Islands SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 12km west from these schemes. However, given the location of these schemes within Letterkenny it is not likely for there to be in-combination effects from disturbance to QI bird species.</p> <p><u>Donegal Library</u></p> <p>Gweedore Bay and Islands SAC is approximately 50km north-west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 25km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>Gweedore Bay and Islands SAC is approximately 45km west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is 10km west from the scheme, but no hydrological connection exists. NIS available which identified pollution of supporting habitats and disturbance during construction as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>Gweedore Bay and Islands SAC is approximately 45km west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 18km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 18km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>Gweedore Bay and Islands SAC is approximately 55km west from the scheme and</p> | | | |

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| | | therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 25km west from the scheme and therefore no in-combination effects are predicted. | | | |
| SAA-141 Increase existing SW abstraction from Lough Shore. Involves rebuilding dam structure to increase operational lake storage volume. Option study area is hydrologically linked to the Aran Island (Donegal) Cliffs SAC which is 900m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability. Option study area is adjacent to the West Donegal Coast SPA which is 600m away. During construction there is the potential for disturbance to QI birds given the proximity to the SPA. No operational impacts predicted. | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Water table/availability | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 55km west from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 45km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>The SEED Project, Stranorlar</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 55km west from the scheme. West Donegal Coast SPA is approximately 45km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 45km or more distant, no in-combination effects are possible.</p> <p><u>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 4km west from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 4km west from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Harbour to Island regeneration project assumed as assessment not available at time of writing).</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 60km north-west from these schemes and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 60km north from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Buncrana Community Nursing Unit; and Swan Park restoration, Buncrana</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 70km west from these schemes and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 50km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 85km south-west from the scheme. West Donegal Coast SPA is approximately 70km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 70km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 85km south-west from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 70km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Dungloe Community Hospital</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 13km west from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 12km north-west from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted.</p> <p><u>N56 Dungloe to Glenties</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 13km west from the scheme but</p> | Yes – from disturbance impacts on the West Donegal Coast SPA if construction phase is concurrent with the Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration works. | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>there is no hydrological link and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 12km north-west from the scheme but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 40km north from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 45km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 30km south-west from the scheme.</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 40km north from the scheme. West Donegal Coast SPA is approximately 40km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 40km or more distant, no in-combination effects are possible</p> <p><u>Ocean Innovation Centre Ireland, Killybegs</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 40km north from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 40km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 50km west from the scheme. West Donegal Coast SPA is approximately 40km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 40km or more distant, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 50km west from these schemes and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 40km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Donegal Library</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 45km north-west from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 45km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 55km west from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 45km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 55km west from the scheme. West Donegal Coast SPA is approximately 45km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 45km or more distant, no in-</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>Aran Island (Donegal) Cliffs SAC is approximately 60km west from the scheme and therefore no in-combination effects are predicted. West Donegal Coast SPA is approximately 50km west from the scheme and therefore no in-combination effects are predicted.</p> | | | |
| <p>SAA-217</p> <p>Rationalise Alt Raws to Lough Mourne WRZ.</p> <p>Option study area is hydrologically linked to the River Finn SAC which is 5km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for disturbance to QI species such as otter and their prey. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the River Foyle and Tributaries SAC which is 5km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for disturbance to QI species such as otter and their prey. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Habitat degradation Disturbance | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>River Finn SAC is approximately 1km from the scheme and is hydrologically linked via the Admiran Stream. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. (LSEs for the Admiran housing project assumed as assessment not available at time of writing). River Foyle and Tributaries SAC is approximately 14.5km east from the scheme and is hydrologically linked via the River Finn. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Admiran housing project assumed as assessment not available at time of writing).</p> <p><u>The SEED Project, Stranorlar</u></p> <p>River Finn SAC is adjacent to the scheme. The AA screening considered potential impacts, but no LSEs were identified due to physical barriers from roads, hydrocarbon interceptors present in the storm drainage systems and other urban infrastructure. Therefore, there is no potential for in-combination effects. River Foyle and Tributaries SAC is approximately 14.5km east from the scheme and is hydrologically linked via the River Finn. The AA screening considered potential impacts, but no LSEs were identified due to the distance from the proposed development site. Therefore, there is no potential for in-combination effects.</p> <p><u>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</u></p> <p>River Finn SAC is approximately 25km west from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 63km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>River Finn SAC is approximately 20km north-east from these schemes and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 27km north-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Buncrana Community Nursing Unit; and Swan Park restoration, Buncrana.</u></p> <p>River Finn SAC is approximately 20km south from these schemes and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 22km south from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> <p>River Finn SAC is approximately 35km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 35km or more distant no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 35km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the site is 35km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>River Finn SAC is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 34km south from the scheme and therefore no in-combination effects</p> | <p>Yes – from pollution and disturbance impacts on the River Finn SAC and from pollution impacts on the River Foyle and Tributaries SAC if construction phase is concurrent with the Admiran, Stranorlar social housing works.</p> <p>Yes – from pollution impacts on the River Finn SAC and the River Foyle and Tributaries SAC if construction phase is concurrent with the Raphoe Flood Relief scheme works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>are predicted.</p> <p><u>Dungloe Community Hospital</u></p> <p>River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 59km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Dungloe to Glenties</u></p> <p>River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 55km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>River Finn SAC is approximately 13km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 22km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 48km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>River Finn SAC is approximately 30km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is 30km away, no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 38km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The site is 38km away, no in-combination effects are possible.</p> <p><u>Ocean Innovation Centre Ireland, Killybegs</u></p> <p>River Finn SAC is approximately 30km north-east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 38km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u></p> <p>River Finn SAC is approximately 16km south from the scheme but is lying in a separate hydrological sub-catchment. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is 16km or more distant, no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 17km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The site is 17km or more distant, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u></p> <p>River Finn SAC is approximately 16km south from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 17km east from these schemes but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Donegal Library</u></p> <p>River Finn SAC is approximately 10km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 16km north-east from the scheme but there is</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 17km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>River Finn SAC is approximately 25km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is 25km or more distant, no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 17km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The site is 17km or more distant, no in-combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>River Finn SAC is approximately 10km east from the scheme and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Raphoe Flood Relief scheme assumed as assessment not available at time of writing). River Foyle and Tributaries SAC is approximately 10km east from the scheme and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Raphoe Flood Relief scheme assumed as assessment not available at time of writing).</p> | | | |
| SAA-218 Rationalise Meeneragh to Lough Mourne WRZ. Option study area is hydrologically linked to this European site. Option study area is hydrologically linked to the River Finn SAC which is 3km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for disturbance to QI species such as otter and their prey. No operational impacts predicted. Option study area is hydrologically linked to the River Foyle and Tributaries SAC which is 3km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for disturbance to QI species such as otter and their prey. No operational impacts predicted. | <ul style="list-style-type: none"> Habitat degradation Disturbance | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>River Finn SAC is approximately 1km from the scheme and is hydrologically linked via the Admiran Stream. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. (LSEs for the Admiran housing project assumed as assessment not available at time of writing). River Foyle and Tributaries SAC is approximately 14.5km east from the scheme and is hydrologically linked via the River Finn. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Admiran housing project assumed as assessment not available at time of writing).</p> <p><u>The SEED Project, Stranorlar</u></p> <p>River Finn SAC is adjacent to the scheme. The AA screening considered potential impacts, but no LSEs were identified due to physical barriers from roads, hydrocarbon interceptors present in the storm drainage systems and other urban infrastructure. Therefore, there is no potential for in-combination effects. River Foyle and Tributaries SAC is approximately 14.5km east from the scheme and is hydrologically linked via the River Finn. The AA screening considered potential impacts, but no LSEs were identified due to the distance from the proposed development site. Therefore, there is no potential for in-combination effects.</p> <p><u>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</u></p> <p>River Finn SAC is approximately 25km west from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 63km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>River Finn SAC is approximately 20km north-east from these schemes and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 27km north-east from these schemes and therefore no in-combination effects are predicted.</p> | <p>Yes – from pollution and disturbance impacts on the River Finn SAC and from pollution impacts on the River Foyle and Tributaries SAC if construction phase is concurrent with the Admiran, Stranorlar social housing works.</p> <p>Yes – from pollution impacts on the River Finn SAC and the River Foyle and Tributaries SAC if construction phase is concurrent with the Raphoe Flood Relief scheme works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| | | <p><u>Buncrana Community Nursing Unit</u>; and <u>Swan Park restoration, Buncrana</u>.</p> <p>River Finn SAC is approximately 20km south from these schemes and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 22km south from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> <p>River Finn SAC is approximately 35km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 35km or more distant no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 35km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the site is 35km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>River Finn SAC is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 34km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Dungloe Community Hospital</u></p> <p>River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 59km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Dungloe to Glenties</u></p> <p>River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 55km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>River Finn SAC is approximately 13km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 22km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 48km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>River Finn SAC is approximately 30km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is 30km, no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 38km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The site is 38km away, no in-combination effects are possible.</p> <p><u>Ocean Innovation Centre Ireland, Killybegs</u></p> <p>River Finn SAC is approximately 30km north-east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 38km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u></p> <p>River Finn SAC is approximately 16km south from the scheme but is lying in a</p> | | | |

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| | | <p>separate hydrological sub-catchment. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is 16km or more distant, no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 17km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The site is 17km or more distant, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u></p> <p>River Finn SAC is approximately 16km south from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 17km east from these schemes but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Donegal Library</u></p> <p>River Finn SAC is approximately 10km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 16km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 17km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>River Finn SAC is approximately 25km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is 25km or more distant, no in-combination effects are possible. River Foyle and Tributaries SAC is approximately 17km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The site is 17km or more distant, no in-combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>River Finn SAC is approximately 10km east from the scheme and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Raphoe Flood Relief scheme assumed as assessment not available at time of writing). River Foyle and Tributaries SAC is approximately 10km east from the scheme and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Raphoe Flood Relief scheme assumed as assessment not available at time of writing).</p> | | | |
| <p>SAA-542 (TG1-SAA-026a, TG1-SAA-191, TG1-SAA-192, TG1-SAA-193)</p> <p>Interconnect Lough Mourne with new WTP at Knaddar, Ballyshannon on River Erne/Kathleen Falls (ESB) and supply deficit. Interconnect Frosses-Inver WRZ with new Ballyshannon WTP at Knaddar on River Erne/ESB Dam-Kathleen Falls and supply deficit. Interconnect Donegal (River Eske) WRZ with new Ballyshannon WTP at Knaddar on River Erne/ESB Dam-Kathleen Falls and supply deficit. New</p> | <ul style="list-style-type: none"> Habitat loss Mortality risk Habitat degradation Disturbance Spread of invasive non-native species | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>River Finn SAC is approximately 1km from the scheme and is hydrologically linked via the Admiran Stream. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. (LSEs for the Admiran housing project assumed as assessment not available at time of writing). Lough Eske and Ardnamona Wood SAC is approximately 19km south-west of the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 30km south-west of the scheme and therefore no impacts are predicted. Croaghonagh Bog SAC is approximately 10km south-west of the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Ballintra SAC is approximately 35km south-west of the scheme and therefore no in-</p> | <p>Yes – from pollution and disturbance impacts on the River Finn SAC and from pollution impacts on the River Foyle and Tributaries SAC if construction phase is concurrent with the Admiran, Stranorlar social housing works.</p> <p>Yes – from habitat loss, pollution, mortality and disturbance impacts on the Donegal Bay SPA if</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| <p>Ballyshannon WTP at Knaddar on River Erne/ESB Dam-Kathleen Falls and supply deficit.</p> <p>Option study area is within the River Finn SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey. There is potential for disturbance to QI species such as otter. There is also the potential for the spread of invasive species given the works are adjacent/ within the SAC boundary. No operational impacts predicted.</p> <p>The option study area is within/adjacent to the Lough Eske and Ardnamona Wood SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey as well as smothering of FWPM. There is potential for disturbance to QI species such as FWPM. There is also the potential for the spread of invasive species given the works are adjacent/ within the SAC boundary. No operational impacts predicted.</p> <p>The option study area is within/ adjacent to the Donegal Bay (Murvagh) SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasives given the works are within the SAC boundary. No operational impacts predicted.</p> <p>The option study area is adjacent to Donegal Bay SPA. During construction there is the potential for the loss and pollution of protected and supporting habitats for QI birds. As a result of this habitat loss and pollution there is a risk of mortality to QI birds and their prey. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>The option study area is adjacent to the Croaghonagh Bog SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasives through QI habitats given the works are adjacent to the SAC boundary. No operational impacts predicted.</p> <p>The option study area is adjacent to the Ballintra SAC. During construction there is</p> | | <p>combination impacts are predicted. Durnesh Lough SPA is approximately 36km south-west of the scheme and therefore no in-combination impacts are predicted. River Foyle and Tributaries SAC is approximately 14.5km east from the scheme and is hydrologically linked via the River Finn. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Admiran housing project assumed as assessment not available at time of writing). <u>The SEED Project, Stranorlar</u></p> <p>River Finn SAC is adjacent to the scheme. The AA screening considered potential impacts, but no LSEs were identified due to physical barriers from roads, hydrocarbon interceptors present in the storm drainage systems and other urban infrastructure. Therefore, there is no potential for in-combination effects. Lough Eske and Ardnamona Wood SAC is approximately 19km south-west of the scheme but there is no hydrological link. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 30km south-west of the scheme. Croaghonagh Bog SAC is approximately 10km south-west of the scheme but there is no hydrological link. Ballintra SAC is approximately 35km south-west of the scheme. Durnesh Lough SPA is approximately 36km south-west of the scheme. River Foyle and Tributaries SAC is approximately 14.5km east from the scheme and is hydrologically linked via the River Finn. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are either not hydrologically linked or 10km or more distant or more, no in-combination effects are possible.</p> <p><u>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</u></p> <p>River Finn SAC is approximately 25km west from the scheme and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 40km south-east from the scheme and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 40km south-east from the scheme and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 40km south-east from the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 50km south-east from the scheme and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 48km south-east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 63km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>River Finn SAC is approximately 20km north-east from these schemes and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 17km north of these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC is approximately 6km north of these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Donegal Bay SPA is adjacent to these schemes. No NIS available so it is assumed there is a potential for in-combination effects from habitat loss, pollution, mortality, and disturbance to QI bird species during construction. (LSEs for these schemes are assumed as assessments not available at time of writing). Croaghonagh Bog SAC is approximately 30km north-east from these schemes and therefore no in-combination impacts are predicted. Ballintra SAC is approximately 8km north-east from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 7km north from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 27km north-east from these schemes and therefore no in-combination effects are predicted.</p> | <p>construction phase is concurrent with the Ballyshannon 2040, regeneration project and the Shiel Hospital works.</p> <p>Yes – from pollution and disturbance impacts on the Donegal Bay SPA if construction phase is concurrent with the N56 Mountcharles to Inver Road works.</p> <p>Yes – from pollution, spread of invasive species and disturbance impacts on the Lough Eske and Ardnamona Wood SAC and the Donegal Bay (Murvagh) SAC and from pollution and disturbance impacts on the Donegal Bay SPA if construction phase is concurrent with the Donegal Library works.</p> <p>Yes – from pollution impacts on the River Finn SAC and the River Foyle and Tributaries SAC if construction phase is concurrent with the Raphoe Flood Relief scheme works.</p> | | |

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| <p>the potential for the loss and pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasives through QI habitats given the works are adjacent to the SAC boundary. No operational impacts predicted.</p> <p>Option study area is 3.8km away from Durnesh Lough SPA. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the River Foyle and Tributaries SAC which is 4km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for disturbance to QI species such as otter and their prey. No operational impacts predicted.</p> | | <p><u>Buncrana Community Nursing Unit</u>; and <u>Swan Park restoration, Buncrana</u>.</p> <p>River Finn SAC is approximately 20km south from these schemes and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 60km south-west from these schemes and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 70km south-west from these schemes and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 50km south-west from these schemes and therefore no in-combination effects are predicted. Ballintra SAC is approximately 75km south-west from these schemes and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 76km south-west from these schemes and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 22km south from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> <p>River Finn SAC is approximately 35km south from the scheme. Lough Eske and Ardnamona Wood SAC is approximately 75km south-west from the scheme. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 85km south-west from the scheme. Croaghonagh Bog SAC is approximately 70km south-west from the scheme. Ballintra SAC is approximately 90km south-west from the scheme. Durnesh Lough SPA is approximately 94km south-west from the scheme. River Foyle and Tributaries SAC is approximately 35km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 35km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>River Finn SAC is approximately 35km south from the scheme and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 75km south-west from the scheme and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 85km south-west from the scheme and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 70km south-west from the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 90km south-west from the scheme and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 94km south-west from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 34km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Dungloe Community Hospital</u></p> <p>River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 30km south-east of the scheme and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 35km south-east of the scheme and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 35km south-east of the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 45km south-east of the scheme and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 43km south-east of the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 59km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Dungloe to Glenties</u></p> <p>River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is</p> | | | |

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| | | <p>approximately 16km east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 18km south-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 30km south-east from the scheme and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 25km south-east from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 55km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>River Finn SAC is approximately 13km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 5km east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC is approximately 800m south from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Donegal Bay SPA is approximately 800m south from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. (LSEs for the N56 project assumed as assessment not available at time of writing). Croaghonagh Bog SAC is approximately 20km north-east from the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 9km south-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 7km south from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 22km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 45km south from the scheme and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 55km south from the scheme and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 44km south from the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 65km south from the scheme and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 62km south from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 48km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>River Finn SAC is approximately 30km north-east from the scheme. Lough Eske and Ardnamona Wood SAC is approximately 20km east from the scheme. Donegal Bay (Murvagh) SAC is approximately 15km east from the scheme but there is no hydrological link. Donegal Bay SPA is approximately 10km east from the scheme but there is no hydrological link. Croaghonagh Bog SAC is approximately 35km north-east from the scheme. Ballintra SAC is approximately 20km east from the scheme. Durnesh Lough SPA is approximately 18km east from the scheme. River Foyle and Tributaries SAC is approximately 38km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 10km or more distant with no hydrological connection, no in-combination effects are possible.</p> | | | | |

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| | | <p><u>Ocean Innovation Centre Ireland, Killybegs</u> River Finn SAC is approximately 30km north-east from the scheme and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC is approximately 15km east from the scheme but is physically separated by urban infrastructure and there is no hydrological link and therefore no in-combination effects are predicted. Donegal Bay SPA is approximately 10km east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 35km north-east east from the scheme therefore no in-combination effects are predicted. Ballintra SAC is approximately 20km east from the scheme therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 18km east from the scheme therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 38km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u> River Finn SAC is approximately 16km south from the scheme but is lying in a separate hydrological sub-catchment. Lough Eske and Ardnamona Wood SAC is approximately 30km south-west from the scheme. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 40km south-west from the scheme. Croaghonagh Bog SAC is approximately 25km south-west from the scheme. Ballintra SAC is approximately 50km south-west from the scheme. Durnesh Lough SPA is approximately 50km south-west from the scheme. River Foyle and Tributaries SAC is approximately 17km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 16km or more distant, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u> River Finn SAC is approximately 16km south from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 30km south-west from these schemes and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 40km south-west from these schemes and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 25km south-west from these schemes and therefore no in-combination effects are predicted. Ballintra SAC is approximately 50km south-west from these schemes and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 50km south-west from these schemes and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 17km east from these schemes but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Donegal Library</u> River Finn SAC is approximately 10km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is adjacent to the scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution, disturbance, and the spread of invasive species during construction. Donegal Bay (Murvagh) SAC is adjacent to the scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution, disturbance, and the spread of invasive species during construction, and habitat degradation. Donegal Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution, and disturbance to Q1 bird species during construction (LSEs for the Donegal Library project assumed as assessment not available at time of</p> | | | |

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| | | <p>writing). Croaghonagh Bog SAC is approximately 15km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Ballintra SAC is approximately 9km south from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 9km south from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 16km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. Lough Eske and Ardnamona Wood SAC is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 50km south-west from the scheme and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 60km south-west from the scheme and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 61km south-west from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 17km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>River Finn SAC is approximately 25km south from the scheme. Lough Eske and Ardnamona Wood SAC is approximately 40km south-west from the scheme. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 50km south-west from the scheme. Croaghonagh Bog SAC is approximately 35km south-west from the scheme. Ballintra SAC is approximately 60km south-west from the scheme. Durnesh Lough SPA is approximately 61km south-west from the scheme. River Foyle and Tributaries SAC is approximately 17km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 17km or more distant, no in-combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>River Finn SAC is approximately 10km east from the scheme and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction (LSEs for the Raphoe Flood Relief scheme assumed as assessment not available at time of writing). Lough Eske and Ardnamona Wood SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Donegal Bay (Murvagh) SAC and Donegal Bay SPA are approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. Croaghonagh Bog SAC is approximately 24km south-west from the scheme and therefore no in-combination effects are predicted. Ballintra SAC is approximately 50km south-west from the scheme and therefore no in-combination effects are predicted. Durnesh Lough SPA is approximately 49km south-west from the scheme and therefore no in-combination effects are predicted. River Foyle and Tributaries SAC is approximately 10km east from the scheme and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. (LSEs for the Raphoe Flood Relief scheme assumed as assessment not available at time of writing).</p> | | | |
| SAA-566 (TG1-SAA-261, TG1-SAA-262, TG1-SAA-263, TG1-SAA-264, TG1-SAA-265, TG1-SAA-266, TG1-SAA-267, TG1- | <ul style="list-style-type: none"> Habitat loss Mortality risk | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>North Inishowen Coast SAC is approximately 45km north-east from the scheme and therefore no in-combination effects are predicted. Cloghernagore Bog and</p> | Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if | General Mitigation Measures are outlined in Section 6.3.3 | N |

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| <p>SAA-268, TG1-SAA-269, TG1-SAA-270) Rationalise Culdaff to new sources developed near Letterkenny. Interconnect Inishowen West/Carndonagh/ Culdaff to new sources developed near Letterkenny. Rationalise Buncrana to new sources developed near Letterkenny. Develop Pollan Dam, Glen Lough, and Gartan Lough for Letterkenny & Inishowen East & Pollan Dam WRZ and surrounding WRZs. Rationalise Carrigart-Downings & Cranford to new sources developed near Letterkenny. Rationalise Creeslough Dunfanaghy to new sources developed near Letterkenny. Rationalise Fanad West to new sources developed near Letterkenny.</p> <p>The option study area is adjacent/ hydrologically linked to the North Inishowen Coast SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats. As a result of this pollution there is a risk of mortality to QI species and their prey. There is the potential for disturbance to otter and other QI species from construction. There is also the potential for the spread of invasives within the SAC given the proximity of construction to the SAC. No operational impacts predicted.</p> <p>Option study area is within the Cloghernagore Bog and Glenveagh National Park SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey as well as smothering of FWPM. There is potential for disturbance to QI species such as otter and FWPM during construction and the spread of invasive species within QI habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is within the Leannan River SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey as well as smothering of FWPM. There is potential for disturbance to otter, FWPM and other QI species. There is also the potential for the spread of invasives. During operation there is the potential for habitat degradation and a</p> | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p>Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are approximately 20km north-west from the scheme and therefore no in-combination effects are predicted. Leannan River SAC is approximately 18km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 40km north-west from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 55km north-east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 30km north from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 50km north from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 35km north-west from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 15km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 60km north-east from the scheme and therefore no in-combination effects are predicted. Lough Fern SPA is approximately 25km north from the scheme and therefore no in-combination effects are predicted.</p> <p>The SEED Project, Stranorlar</p> <p>North Inishowen Coast SAC is approximately 45km north-east from the scheme. Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are approximately 20km north-west from the scheme. Leannan River SAC is approximately 18km north from the scheme but there is no hydrological link. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 40km north-west from the scheme. Magheradrumman Bog SAC is approximately 55km north-east from the scheme. Mulroy Bay SAC is approximately 30km north from the scheme. Kindrum Lough SAC is approximately 50km north from the scheme. Sheephaven SAC is approximately 35km north-west from the scheme. Lough Swilly SAC and Lough Swilly SPA are approximately 15km north-east from the scheme but there is no hydrological link. Trawbreaga Bay SPA is approximately 60km north-east from the scheme. Lough Fern SPA is approximately 25km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are either not hydrologically linked or 15km or more distant or more, no in-combination effects are possible.</p> <p>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</p> <p>North Inishowen Coast SAC is approximately 60km north-east from the scheme and therefore no in-combination effects are predicted. Cloghernagore Bog and Glenveagh National Park SAC is approximately 8km east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Leannan River SAC is approximately 35km east from the scheme and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 30km north-east from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 80km north-east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 45km north-east from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 40km north-east from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 50km east from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 75km north-east from the scheme and therefore no in-combination effects are predicted.</p> | <p>construction phase is concurrent with the Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration works.</p> <p>Yes – from pollution and disturbance impacts on the Lough Swilly SAC and from pollution and disturbance on the Lough Swilly SPA if construction phase is concurrent with Buncrana Community Nursing Unit works and the Swan Park restoration works.</p> <p>Yes – from pollution and disturbance impacts on the North Inishowen Coast SAC and the Trawbreaga Bay SPA if construction phase is concurrent with Convent Road, Carndonagh social housing works.</p> <p>Yes – from pollution and disturbance impacts on the Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with Dungloe Community Hospital works and habitat degradation and changes in water availability during operation on Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA.</p> <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species impacts on the Cloghernagore Bog and Glenveagh National Park SAC and from habitat loss, pollution, mortality and disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the N56 Dungloe to Glenties works and during operation from habitat degradation and water</p> | <p>Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | |

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| <p>reduction in flow and water availability.</p> <p>Option study area is adjacent/ hydrologically linked to the Horn Head and Rinclean SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats and disturbance to QI species. There is also the potential for the spread of invasive species given the proximity to the SAC. No operational impacts predicted.</p> <p>The option study area is adjacent and hydrologically linked to the Mulroy Bay SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats. As a result of this pollution there is a risk of mortality to QI species and their prey. There is the potential for disturbance to otter. No operational impacts predicted.</p> <p>Option study area is adjacent/ hydrologically linked to the Kindrum Lough SAC. During construction there is the potential for pollution of QI habitats. No operational impacts predicted.</p> <p>The option study area is 30m from the Magheradrumman Bog SAC. During construction there is the potential for the spread of invasive species. No operational impacts predicted.</p> <p>Option study area is adjacent/ hydrologically linked to the Sheephaven SAC which is 100m away. During construction there is the potential for pollution of QI habitats and supporting habitats and the spread of invasive species. No operational impacts predicted.</p> <p>The option study area is hydrologically linked to the Lough Swilly SAC which is 1.7km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to otter. No operational impacts predicted.</p> <p>Option study area is adjacent to/hydrologically linked to the Trawbreaga Bay SPA. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is within the Derryveagh and Glendowan Mountains SPA. During</p> | | <p>Derryveagh and Glendowan Mountains SPA is approximately 8km east from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction (LSEs for the Harbour to Island regeneration project assumed as assessment not available at time of writing). Lough Fern SPA is approximately 45km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>North Inishowen Coast SAC is approximately 90km north-east from these schemes and therefore no in-combination effects are predicted. Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 40km north from these schemes and therefore no in-combination effects are predicted. Leannan River SAC is approximately 55km north-east from these schemes and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 75km north from these schemes and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 100km north-east from these schemes and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 70km north from these schemes and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 85km north from these schemes and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 70km north from these schemes and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 60km north-east from these schemes and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 100km north-east from these schemes and therefore no in-combination effects are predicted. Lough Fern SPA is approximately 65km north-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Buncrana Community Nursing Unit; and Swan Park restoration, Buncrana</u></p> <p>North Inishowen Coast SAC is approximately 9km north from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 25km west from these schemes and therefore no in-combination effects are predicted. Leannan River SAC is approximately 16km south-west from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 30km west from these schemes. Magheradrumman Bog SAC is approximately 17km north-east from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 13km west from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 19km north-west from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 20km west from these schemes and therefore no in-combination effects are predicted. Lough Swilly SAC is adjacent to these schemes. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. Lough Swilly SPA is approximately 3km south from these schemes. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance to QI bird species during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Trawbreaga Bay SPA is approximately 18km north from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Lough Fern SPA is approximately 18km south-west from these schemes but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> | <p>table/availability on Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA.</p> <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA and the Horn Head to Fanad Head SPA if construction phase is concurrent with the Falcarragh Community Hospital works.</p> <p>Yes – from pollution and disturbance impacts on the Lough Swilly SAC and from pollution, and disturbance on the Lough Swilly SPA if construction phase is concurrent with the Letterkenny Institute of Technology Library, IT and Education Building works, Willowbrook, the Letterkenny social housing works, and the Letterkenny Community Nursing Unit works.</p> <p>Yes – from pollution impacts on the North Inishowen Coast SAC, the Leannan River SAC, the Lough Swilly SAC, the Lough Fern SPA, from disturbance impacts on the Horn Head to Fanad Head SPA, and from pollution and disturbance impacts on the Derryveagh and Glendowan Mountains SPA, and the Lough Swilly SPA if construction phase is concurrent with the Milford, Ramelton and Rathmullan Wastewater Treatment Plant works.</p> | | |

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| <p>construction there is the potential for the loss and pollution of protected and supporting habitats for QI birds. As a result of this habitat loss and pollution there is a risk of mortality to QI birds and their prey. There is also potential for disturbance to birds given the proximity of works. During operation there is the potential for habitat degradation and a reduction in flow and water availability. The option study area is hydrologically linked to the Horn Head to Fanad Head SPA which is 500m away. During construction there is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Lough Swilly SPA which is 1.7km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>The option study area is hydrologically linked to the Lough Fern SPA which is 3km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. No operational impacts predicted.</p> | | <p>North Inishowen Coast SAC and Trawbreaga Bay SPA are approximately 2km north from the scheme and are hydrologically connected. The AA screening considered potential impacts, but no LSEs were identified given the urban setting of the development and the works are predominantly the refurbishment of preexisting buildings. Clochernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 40km west from the scheme. Leannan River SAC and Lough Fern SPA are approximately 35km south-west from the scheme. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 40km west from the scheme. Magheradrumman Bog SAC is approximately 4km south-east from the scheme but there is no hydrological link. The AA screening considered potential impacts, but no LSEs were identified given the urban setting of the development and the works are predominantly the refurbishment of preexisting buildings. Mulroy Bay SAC, Kindrum Lough SAC is approximately 30km west from the scheme. Sheephaven SAC is approximately 35km west from the scheme. Lough Swilly SAC is approximately 16km south-west from the scheme but there is no hydrological link. Lough Swilly SPA is approximately 20km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 16km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>North Inishowen Coast SAC is approximately 2km north from the scheme and is hydrologically connected. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. Clochernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 40km west from the scheme and therefore no in-combination effects are predicted. Leannan River SAC and Lough Fern SPA are approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 40km west from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 4km south-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Mulroy Bay SAC, Kindrum Lough SAC is approximately 30km west from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 35km west from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC is approximately 16km south-west from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Lough Swilly SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 2km north from the scheme and is hydrologically connected. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance to QI bird species during construction (LSEs for Convent Road housing project assumed as assessment not available at time of writing).</p> <p><u>Dungloe Community Hospital</u></p> <p>North Inishowen Coast SAC is approximately 60km north-east from the scheme and therefore no in-combination effects are predicted. Clochernagore Bog and Glenveagh National Park SAC is approximately 1.5km west from the scheme and is hydrologically linked via the Dungloe River. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance to during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Leannan River SAC is approximately 30km east from the scheme and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 30km north-east from the scheme and therefore no in-combination effects are</p> | | | |

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| | | <p>predicted. Magheradrumman Bog SAC is approximately 80km east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 45km north-east from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 35km north-east from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 45km east from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 70km north-east from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 1.5km west from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Dungloe Community Hospital project assumed as assessment not available at time of writing). Lough Fern SPA is approximately 40km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Dungloe to Glenties</u></p> <p>North Inishowen Coast SAC is approximately 60km north-east from the scheme and therefore no in-combination effects are predicted. Cloheragh Bog and Glenveagh National Park SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, disturbance and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Leannan River SAC is approximately 30km east from the scheme and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 30km north-east from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 80km east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 45km north-east from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 35km north-east from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 45km east from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 70km north-east from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the N56 Dungloe to Glenties project assumed as assessment not available at time of writing). Lough Fern SPA is approximately 40km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>North Inishowen Coast SAC is approximately 75km north-east from the scheme and therefore no in-combination effects are predicted. Cloheragh Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 30km north from the scheme and therefore no in-combination effects are predicted. Leannan River SAC is approximately 40km north-east from the scheme and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 60km north from the scheme and therefore no in-combination effects are predicted. Magheradrumman</p> | | | |

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| | | <p>Bog SAC is approximately 90km north-east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 60km north-east from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 70km north-east from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 55km north from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 45km north-east from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 90km north-east from the scheme and therefore no in-combination effects are predicted. Lough Fern SPA is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>North Inishowen Coast SAC is approximately 35km east from the scheme and therefore no in-combination effects are predicted. Cloghernagore Bog and Glenveagh National Park SAC is approximately 5.5km south from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Leannan River SAC is approximately 20km south-east from the scheme and therefore no in-combination effects are predicted. Horn Head and Riclevan SAC is approximately 5km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 55km east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 25km north-east from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 10km east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 30km south-east from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 5.5km south from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. Horn Head to Fanad Head SPA is approximately 5km north-east from the scheme but there is no hydrological link. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction (LSEs for the Falcarragh Community Hospital project assumed as assessment not available at time of writing). Lough Fern SPA is approximately 25km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>North Inishowen Coast SAC is approximately 85km north-east from the scheme. Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 35km north from the scheme. Leannan River SAC is approximately 50km north-east from the scheme. Horn Head and Riclevan SAC and Horn Head to Fanad Head SPA are 65km north-east from the scheme. Magheradrumman Bog SAC is approximately 100km north-east from the scheme. Mulroy Bay SAC is approximately 70km north-east from the scheme. Kindrum Lough SAC is 80km north-east from the scheme. Sheephaven SAC is approximately 65km north-east from the scheme. Lough Swilly SAC and Lough Swilly SPA are 60km north-east from the scheme. Trawbreaga Bay SPA is approximately 100km north-east from the scheme. Lough Fern SPA is approximately 60km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 35km or more distant or more, no in-combination effects are possible.</p> <p><u>Ocean Innovation Centre Ireland, Killybegs</u></p> | | | |

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| | | <p>North Inishowen Coast SAC is approximately 85km north-east from the scheme and therefore no in-combination effects are predicted. Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are approximately 35km north from the scheme and therefore no in-combination effects are predicted. Leannan River SAC is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Horn Head and Rincleven SAC and Horn Head to Fanad Head SPA are approximately 65km north-east from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 100km north-east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 70km north-east from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 80km north-east from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 65km north-east from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 60km north-east from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 100km north-east from the scheme and therefore no in-combination effects are predicted. Lough Fern SPA is approximately 60km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u></p> <p>North Inishowen Coast SAC is approximately 30km north from the scheme. Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are approximately 12km west from the scheme but lies in a separate hydrological sub-catchment. Leannan River SAC and Lough Fern SPA are approximately 9km north from the scheme but there is no hydrological link. Horn Head and Rincleven SAC and Horn Head to Fanad Head SPA are approximately 30km north-west from the scheme. Magheradrumman Bog SAC is approximately 45km north-east from the scheme. Mulroy Bay SAC is approximately 16km north from the scheme but there is no hydrological link. Kindrum Lough SAC is approximately 30km north from the scheme. Sheephaven SAC is approximately 20km north-east from the scheme. Lough Swilly SAC is approximately 1km east from the scheme and Lough Swilly SPA is approximately 2km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified due to the location of the scheme in an urban environment, the lack of direct hydrological link and no potential for in-combination effects. Trawbreaga Bay SPA is approximately 45km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are either not hydrologically linked or 9km or more distant, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u></p> <p>North Inishowen Coast SAC is approximately 30km north from these schemes and therefore no in-combination effects are predicted. Cloghernagore Bog and Glenveagh National Park SAC is approximately 12km west from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 12km west from these schemes. However, given the location of these schemes within Letterkenny it is not likely for there to be in-combination effects from disturbance to QI bird species. Leannan River SAC and Lough Fern SPA are approximately 9km north from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Horn Head and Rincleven SAC and Horn Head to Fanad Head SPA are approximately 30km north-west from these schemes and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 45km north-east</p> | | | |

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| | | <p>from these schemes and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 16km north from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 30km north from these schemes and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 20km north-east from these schemes and therefore no in-combination effects are predicted. Lough Swilly SAC is approximately 1km east from these schemes and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. Lough Swilly SPA is approximately 2km east from these schemes and is hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance to QI bird species during construction (LSEs for these schemes assumed as assessment not available at time of writing). Trawbreaga Bay SPA is approximately 45km north-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Donegal Library</u></p> <p>North Inishowen Coast SAC is approximately 70km north-east from the scheme and therefore no in-combination effects are predicted. Cloheragh Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 25km north from the scheme and therefore no in-combination effects are predicted. Leannan River SAC is approximately 40km north from the scheme and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 60km north from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 80km north-east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 55km north-east from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 65km north-east from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 50km north from the scheme and therefore no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 40km north-east from the scheme and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 85km north-east from the scheme and therefore no in-combination effects are predicted. Lough Fern SPA is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>North Inishowen Coast SAC is approximately 11km north from the scheme and is hydrologically linked via Lough Swilly. NIS available which identified pollution during construction as an LSE for this European site. There is potential for in-combination effects from pollution during construction. Cloheragh Bog and Glenveagh National Park SAC is 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Leannan River SAC is adjacent to the scheme. NIS available which identified pollution during construction as an LSE for this European site. There is potential for in-combination effects from pollution during construction. Horn Head and Rinclean SAC is approximately 20km north-west from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 25km north-east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 1km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 15km north from the scheme, but no hydrological connection exists. Sheephaven SAC is approximately 10km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Swilly SAC is adjacent to the scheme. NIS available which identified habitat loss and pollution during</p> | | | |

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| | | <p>construction as LSEs for this European site. There is potential for in-combination effects from pollution during construction. Trawbreaga Bay SPA is approximately 25km north-east from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA are 10km west from the scheme but no hydrological connection exists. NIS available which identified pollution of supporting habitats and disturbance during construction as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Horn Head to Fanad Head SPA is approximately 20km north-west from the scheme. NIS available which identified disturbance during construction as LSEs for this European site. There is potential for in-combination effects from disturbance during construction. Lough Fern SPA is approximately 2km south from the scheme. NIS available which identified pollution during construction as LSEs for this European site. There is potential for in-combination effects from pollution during construction. Lough Swilly SPA is adjacent to the scheme. NIS available which identified pollution and disturbance during construction as LSEs for this European site. There is potential for in-combination effects from pollution and disturbance during construction.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>North Inishowen Coast SAC is approximately 20km north from the scheme. Cloghernagore Bog and Glenveagh National Park SAC and the Derryveagh and Glendowan Mountains SPA are 18km west from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 18km or more distant, no in-combination effects are possible. Leannan River SAC is 200m from the scheme. The AA screening considered potential impacts, but no LSEs were identified due to the scheme being located in a terrestrial urban environment, and the European site lying upstream from the scheme. Therefore, there is no potential for in-combination effects. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 35km north-west from the scheme. Magheradrumman Bog SAC is approximately 35km north-east from the scheme. Mulroy Bay SAC is approximately 7km north-west from the scheme, but no hydrological connection exists. Kindrum Lough SAC is approximately 20km north-west from the scheme. Sheephaven SAC is approximately 16km north-west from the scheme, but no hydrological connection exists. Lough Swilly SAC and Lough Swilly SPA are adjacent to the scheme. Trawbreaga Bay SPA is approximately 35km north-east from the scheme. Lough Fern SPA is approximately 3km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 16km or more distant, no in-combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>North Inishowen Coast SAC is approximately 35km north from the scheme and therefore no in-combination effects are predicted. Cloghernagore Bog and Glenveagh National Park and the Derryveagh and Glendowan Mountains SPA are 25km west from the scheme and therefore no in-combination effects are predicted. Leannan River SAC is approximately 17km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Horn Head and Rinclean SAC and Horn Head to Fanad Head SPA are approximately 40km north-west from the scheme and therefore no in-combination effects are predicted. Magheradrumman Bog SAC is approximately 40km north-east from the scheme and therefore no in-combination effects are predicted. Mulroy Bay SAC is approximately 25km north-west from the scheme and therefore no in-combination effects are predicted. Kindrum Lough SAC is approximately 40km north-west from the scheme and therefore no in-combination effects are predicted. Sheephaven SAC is approximately 30km north-west from the scheme and therefore</p> | | | |

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| | | <p>no in-combination effects are predicted. Lough Swilly SAC and Lough Swilly SPA are approximately 8km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Trawbreaga Bay SPA is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Lough Fern SPA is approximately 19km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> | | | |
| <p>SAA-567 (TG1-SAA-271, TG1-SAA-272, TG1-SAA-273, TG1-SAA-274)</p> <p>Increase existing SW abstraction from Lough Derkmore impoundment. Increase existing SW abstraction from Lough Aderry. Involves significant project to raise dam. Split WRZ and supply part of the WRZ from Killybegs and another part from Lettermaccaward and decommission existing source. Interconnect Owenteskiny and Killybegs to meet deficit from Lough Aderry.</p> <p>Option study area is adjacent to the West of Ardara/Maas Road SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey as well as smothering of FWPM. There is potential for disturbance to QI species such as otter and FWPM during construction and the spread of invasive species within QI habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is adjacent to the Lough Nillan Bog (Carrickatlieve) SAC which is 25m away. During construction there is the potential the spread of invasive species given the proximity to the SAC. No operational impacts predicted.</p> <p>Option study area is adjacent to the River Finn SAC which is 30m away. During construction there is the potential for the spread of invasive species given the proximity to the SAC. No operational impacts predicted.</p> <p>Option study area is adjacent/ hydrologically linked to the Sieve Tooey/ Tormore Island/ Loughros Beg Bay SAC which is 100m away. During construction there is the potential for the pollution of hydrologically linked habitats. There is the potential for disturbance to QI species including otter. No operational impacts predicted.</p> <p>The option study area is adjacent to the</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>Admiran, Stranorlar: 52 units for social housing</u></p> <p>West of Ardara/Maas Road SAC is approximately 25km west from the scheme and therefore no in-combination effects are predicted. River Finn SAC is approximately 1km from the scheme and is hydrologically linked via the Admiran Stream. However, given the distance there is no potential for the spread of invasive species. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 25km west from the scheme and therefore no in-combination effects are predicted. Sieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 40km west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 20km north-west from the scheme and therefore no in-combination effects are predicted. Sheskinmore Lough SPA is approximately 45km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>The SEED Project, Stranorlar</u></p> <p>West of Ardara/Maas Road SAC is approximately 25km west from the scheme. River Finn SAC is adjacent to the scheme. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 25km west from the scheme. Sieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 40km west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 20km north-west from the scheme. Sheskinmore Lough SPA is approximately 45km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 25km or more distant, no in-combination effects are possible.</p> <p><u>Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration</u></p> <p>West of Ardara/Maas Road SAC is approximately 12km south from the scheme and is hydrologically connected via the coast. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. River Finn SAC is approximately 25km west from the scheme and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 25km south-east from the scheme and therefore no in-combination effects are predicted. Sieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 20km south from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 8km east from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction. (LSEs for the Harbour to Island regeneration project assumed as assessment not available at time of writing). Sheskinmore Lough SPA is approximately 18km south from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040, regeneration project; and Shiel Hospital, Ballyshannon</u></p> <p>West of Ardara/Maas Road SAC is approximately 30km north from these schemes and therefore no in-combination effects are predicted. River Finn SAC is approximately 20km north-east from these schemes and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan</p> | <p>Yes – from pollution impacts on the West of Ardara/Maas Road SAC and from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Ailt an Chorráin (Burtonport)/ Oileán Árainn Mhór (Arranmore Island) - Harbour to Island Regeneration works and during operation from habitat degradation and water table/availability on West of Ardara/Maas Road SAC.</p> <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Dungloe Community Hospital works.</p> <p>Yes – from habitat loss, pollution, mortality, spread of invasive species and disturbance impacts on the West of Ardara/Maas Road SAC, from disturbance impacts on the Lough Nillan Bog SPA, and the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the N56 Dungloe to Glenties works and during operation from habitat degradation and water table/availability on West of Ardara/Maas Road SAC.</p> <p>Yes – from disturbance impacts on the Lough Nillan Bog SPA if construction phase is concurrent with the N56 Mountcharles to Inver Road works.</p> <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| <p>Lough Nillan Bog SPA. During construction there is the potential for the disturbance of QI birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is adjacent to the Derryveagh and Glendowan Mountains SPA which is 500m away. During construction there is the potential for disturbance to QI birds given the proximity of works. No operational impacts predicted.</p> <p>The option study area is hydrologically linked to the Sheskinmore Lough SPA which is 6.5km away. During construction there is the potential for disturbance to QI birds given the proximity of works. No operational impacts predicted.</p> | | <p>Bog SPA are approximately 25km north from these schemes and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 30km north-west from these schemes and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 40km north from these schemes and therefore no in-combination effects are predicted. Sheskinmore Lough SPA is approximately 35km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Buncrana Community Nursing Unit; and Swan Park restoration, Buncrana</u></p> <p>West of Ardara/Maas Road SAC is approximately 55km south-west from these schemes and therefore no in-combination effects are predicted. River Finn SAC is approximately 20km south from these schemes and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 60km south-west from these schemes and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 75km south-west from these schemes and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 25km west from these schemes and therefore no in-combination effects are predicted. Sheskinmore Lough SPA is approximately 70km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carndonagh TUS NUA Regeneration Project</u></p> <p>West of Ardara/Maas Road SAC is approximately 70km south-west from the scheme. River Finn SAC is approximately 35km south from the scheme. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 80km south-west from the scheme. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 90km south-west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 40km west from the scheme. Sheskinmore Lough SPA is approximately 90km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 35km or more distant no in-combination effects are possible.</p> <p><u>Convent Road, Carndonagh: 53 units for social housing</u></p> <p>West of Ardara/Maas Road SAC is approximately 70km south-west from the scheme and therefore no in-combination effects are predicted. River Finn SAC is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 80km south-west from the scheme and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 90km south-west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 40km west from the scheme and therefore no in-combination effects are predicted. Sheskinmore Lough SPA is approximately 90km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Dungloe Community Hospital</u></p> <p>West of Ardara/Maas Road SAC is approximately 8km south from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted. River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA is approximately 19km south-east from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 16km south-west from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is</p> | <p>construction phase is concurrent with the Falcarragh Community Hospital works.</p> <p>Yes – from disturbance impacts on the Derryveagh and Glendowan Mountains SPA if construction phase is concurrent with the Milford, Ramelton and Rathmullan Wastewater Treatment Plant works.</p> | | |

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| | | <p>approximately 1.5km west from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction (LSEs for the Dungloe Community Hospital project assumed as assessment not available at time of writing). Sheskinmore Lough SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>N56 Dungloe to Glenties</u></p> <p>West of Ardara/Maas Road SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, disturbance and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. River Finn SAC is approximately 20km east from the scheme and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC is approximately 1.5km south from the scheme. There is a hydrological link, but the European site is upstream of the scheme, therefore no in-combination effects are predicted. Lough Nillan Bog SPA is approximately 1.5km south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction.</p> <p>Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 10km south-west from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the N56 Dungloe to Glenties project assumed as assessment not available at time of writing). Sheskinmore Lough SPA is approximately 6km west from the scheme but there is no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>N56 Mountcharles to Inver Road</u></p> <p>West of Ardara/Maas Road SAC is approximately 16km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. River Finn SAC is approximately 13km north-east from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC is approximately 10km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Lough Nillan Bog SPA is approximately 10km north from the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the N56 Mountcharles to Inver Road project assumed as assessment not available at time of writing). Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 20km north-west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 30km north from the scheme and therefore no in-combination effects are predicted. Sheskinmore Lough SPA is approximately 20km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Falcarragh Community Hospital</u></p> <p>West of Ardara/Maas Road SAC is approximately 30km south from the scheme and therefore no in-combination effects are predicted. River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 40km south from the scheme and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 5.5km south from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance to QI bird species during construction</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>(LSEs for the Falcarragh Community Hospital project assumed as assessment not available at time of writing). Sheskinmore Lough SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Killybegs 2040 - Town Centre Regeneration Project</u></p> <p>West of Ardara/Maas Road SAC is approximately 14km north from the scheme, but no hydrological connection exists. River Finn SAC is approximately 30km north-east from the scheme. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 12km north-east from the scheme, but no hydrological connection exists. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 10km north from the scheme, but no hydrological connection exists. Derryveagh and Glendowan Mountains SPA is approximately 35km north from the scheme. Sheskinmore Lough SPA is approximately 18km north from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are either not hydrologically linked and 12km or more distant, no in-combination effects are possible.</p> <p><u>Ocean Innovation Centre Ireland, Killybegs</u></p> <p>West of Ardara/Maas Road SAC is approximately 14km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. River Finn SAC is approximately 30km north-east from the scheme and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 12km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 10km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 35km north from the scheme and therefore no in-combination effects are predicted. Sheskinmore Lough SPA is approximately 18km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Letterkenny 2040</u></p> <p>West of Ardara/Maas Road SAC is approximately 30km west from the scheme. River Finn SAC is approximately 16km south from the scheme but is lying in a separate hydrological sub-catchment. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 30km south-west from the scheme. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 50km south-west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 12km west from the scheme but lies in a separate hydrological sub-catchment. Sheskinmore Lough SPA is approximately 50km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 12km or more distant, no in-combination effects are possible.</p> <p><u>Letterkenny Institute of Technology Library, IT and Education Building; Social housing developments, Willowbrook, Letterkenny; and Letterkenny Community Nursing Unit</u></p> <p>West of Ardara/Maas Road SAC is approximately 30km west from these schemes and therefore no in-combination effects are predicted. River Finn SAC is approximately 16km south from these schemes but there is no hydrological link and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 30km south-west from these schemes and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 50km south-west from these schemes and therefore no in-combination effects are predicted. Derryveagh</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>and Glendowan Mountains SPA is approximately 12km west from these schemes. However, given the location of these schemes within Letterkenny it is not likely for there to be in-combination effects from disturbance to QI bird species. Sheskinmore Lough SPA is approximately 50km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Donegal Library</u></p> <p>West of Ardara/Maas Road SAC is approximately 15km north from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted. River Finn SAC is approximately 10km north from the scheme but there is no hydrological link and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are 10km north-west from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 25km north-west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 25km north from the scheme and therefore no in-combination effects are predicted. Sheskinmore Lough SPA is approximately 25km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Milford, Ramelton and Rathmullan Wastewater Treatment Plant</u></p> <p>West of Ardara/Maas Road SAC is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. River Finn SAC is approximately 25km south from the scheme and therefore no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are 40km south-west from the scheme and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 60km south-west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is 10km west from the scheme, but no hydrological connection exists. NIS available which identified pollution of supporting habitats and disturbance during construction as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Sheskinmore Lough SPA is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ramelton Historic Town Centre Public Realm Scheme</u></p> <p>West of Ardara/Maas Road SAC is approximately 40km south-west from the scheme. River Finn SAC is approximately 25km south from the scheme. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are 40km south-west from the scheme. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 60km south-west from the scheme. Derryveagh and Glendowan Mountains SPA is approximately 18km west from the scheme. Sheskinmore Lough SPA is approximately 55km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 18km or more distant, no in-combination effects are possible.</p> <p><u>Raphoe Flood Relief scheme</u></p> <p>West of Ardara/Maas Road SAC is approximately 40km west from the scheme and therefore no in-combination effects are predicted. River Finn SAC is approximately 10km east from the scheme and is hydrologically linked. However, given the distance no in-combination effects are predicted. Lough Nillan Bog (Carrickatlieve) SAC and Lough Nillan Bog SPA are approximately 35km west from the scheme and therefore no in-combination effects are predicted. Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC is approximately 55km west from the scheme and therefore no in-combination effects are predicted. Derryveagh and Glendowan Mountains SPA is approximately 25km west from the scheme and therefore no in-</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | combination effects are predicted. Sheskinmore Lough SPA is approximately 55km west from the scheme and therefore no in-combination effects are predicted. | | | |
| All Preferred Options The European sites that may be impacted by options within Study Area A are: Aran Island (Donegal) Cliffs SAC, Ballintra SAC, Ballyness Bay SAC, Cloghernagore Bog and Glenveagh National Park SAC, Derryveagh and Glendowan Mountains SPA, Donegal Bay (Murvagh) SAC, Donegal Bay SPA, Durnesh Lough SPA, Gweedore Bay and Islands SAC, Horn Head and Rincleven SAC, Horn Head to Fanad Head SPA, Kindrum Lough SAC, Leanan River SAC, Lough Eske and Ardnamona Wood SAC, Lough Fern SPA, Lough Nillan Bog (Carrickatlieve) SAC, Lough Nillan Bog SPA, Lough Swilly SAC, Lough Swilly SPA, Magheradrumman Bog SAC, Mulroy Bay SAC, North Inishowen Coast SAC, River Finn SAC, River Foyle and Tributaries SAC, Sheephaven SAC, Sheskinmore Lough SPA, Slieve Tooey/Tormore Island/ Loughros Beg Bay SAC, Trawbreaga Bay SPA, West Donegal Coast SPA, and West of Ardara/Maas Road SAC. | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species <p>Water table/availability</p> | <p><u>All Preferred Options</u></p> <p>Option SAA-141 is the only option within SAA with potential for impacts on Aran Island (Donegal) Cliffs SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-542 is the only option within SAA with potential for impacts on Ballintra SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-111a is the only option within SAA with potential for impacts on Ballyness Bay SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAA to Cloghernagore Bog and Glenveagh National Park SAC given that options SAA-111a and SAA-566 have the potential for impacts. Potential for in-combination effects from habitat loss, mortality, spread of invasive non-native species, disturbance, and pollution during construction and during operation from habitat degradation and water table/availability.</p> <p>There is potential for in-combination effects from the projects within SAA to Derryveagh and Glendowan Mountains SPA given that options SAA-111a, SAA-118a, SAA-566 and SAA-567 have the potential for impacts. Potential for in-combination effects from habitat loss (SAA-111a, SAA-118a, SAA-566), mortality (SAA-111a, SAA-118a, SAA-566), disturbance (all options) and pollution (SAA-111a, SAA-118a, SAA-566) during construction and during operation from habitat degradation and water table/availability.</p> <p>Option SAA-542 is the only option within SAA with potential for impacts on Donegal Bay (Murvagh) SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-542 is the only option within SAA with potential for impacts on Donegal Bay SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-542 is the only option within SAA with potential for impacts on Durnesh Lough SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-118a is the only option within SAA with potential for impacts on Gweedore Bay and Islands SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Horn Head and Rincleven SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Horn Head to Fanad Head SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Kindrum Lough SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Leanan River SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-542 is the only option within SAA with potential for impacts on Lough Eske and Ardnamona Wood SAC. Therefore, there is no potential for in-combination effects to this European site.</p> | <p>Yes – from habitat loss, mortality, spread of invasive non-native species, disturbance and pollution impacts on Cloghernagore Bog and Glenveagh National Park SAC if construction of options is concurrent and during operation from habitat degradation and water table/availability.</p> <p>Yes – from habitat loss, mortality, disturbance, and pollution impacts on Derryveagh and Glendowan Mountains SPA if construction of options is concurrent and during operation from habitat degradation and water table/availability.</p> <p>Yes – from spread of invasive non-native species, disturbance and pollution impacts on River Finn SAC if construction of options is concurrent.</p> <p>Yes – from disturbance and pollution impacts on River Foyle and Tributaries SAC if construction of options is concurrent.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with the other options.</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Option SAA-566 is the only option within SAA with potential for impacts on Lough Fern SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-567 is the only option within SAA with potential for impacts on Lough Nillan Bog (Carrickatieve) SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-567 is the only option within SAA with potential for impacts on Lough Nillan Bog SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Lough Swilly SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Lough Swilly SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Magheradrumman Bog SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Mulroy Bay SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on North Inishowen Coast SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAA to River Finn SAC given that options SAA-217, SAA-218, SAA-542 and SAA-567 have the potential for impacts during construction only. Potential for in-combination effects from spread of invasive non-native species (SAA-542 and SAA-567), disturbance (SAA-217, SAA218, SAA-542) and pollution (SAA-217, SAA218, SAA-542) during construction.</p> <p>There is potential for in-combination effects from the projects within SAA to River Foyle and Tributaries SAC given that options SAA-217, SAA-218 and SAA-542 have the potential for impacts during construction only. Potential for in-combination effects from disturbance (all options) and pollution (all options) during construction.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Sheephaven SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-567 is the only option within SAA with potential for impacts on Sheskinmore Lough SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-567 is the only option within SAA with potential for impacts on Slieve Tooey/ Tormore Island/ Loughros Beg Bay SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-566 is the only option within SAA with potential for impacts on Trawbreaga Bay SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-141 is the only option within SAA with potential for impacts on West Donegal Coast SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAA-567 is the only option within SAA with potential for impacts on West of Ardara/Maas Road SAC. Therefore, there is no potential for in-combination effects to this European site.</p> | | | |

Table E2: SAB-Potential in-combination effects with other projects and options within SAB

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| STUDY AREA B | | | | | |
| <p>SAB-060 New SW abstraction from River Drumore to supply deficit. Treat at the existing Kilawaun WTP. Option study area is hydrologically linked to the Lough Oughter and Associated Loughs SAC which is 15km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts are predicted. Option study area is 20km away from Lough Oughter Complex SPA. During construction there is potential for the disturbance of QI bird species given the works take place in potential supporting habitats for these species. No operational impacts predicted.</p> | <ul style="list-style-type: none"> • Habitat degradation • Disturbance | <p><u>Ballybay Regeneration</u> Lough Oughter and Associated Loughs SAC is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballyconnell Community Services; and Ballyconnell Market House - Community, Remote Working and Tourism Hub</u> Lough Oughter and Associated Loughs SAC is approximately 1.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Oughter Complex SPA is approximately 10km south-east from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040 - Back to Ballyshannon; and Shiel Hospital, Ballyshannon.</u> Lough Oughter and Associated Loughs SAC is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 70km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u> Lough Oughter and Associated Loughs SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cavan General Hospital, Emergency Department and Ward Block; 25 housing units, Drumalee Manor, Drumalee, Co. Cavan; and Cavan Town Centre Regeneration</u> Lough Oughter and Associated Loughs SAC is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Lough Oughter Complex SPA is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Clones Regeneration; and Ulster Canal Restoration, Phase 2 and Clones terminus</u> Lough Oughter and Associated Loughs SAC is approximately 10km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Oughter Complex SPA is approximately 18km south-west from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Cootehill Technology Park</u> Lough Oughter and Associated Loughs SAC is approximately 15km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 20km west from the</p> | <p>Yes - from pollution on the Lough Oughter and Associated Loughs SAC if construction phase is concurrent with the Ballyconnell Community Services works and the Ballyconnell Market House Hub works.</p> <p>Yes - from pollution on the Lough Oughter and Associated Loughs SAC and from disturbance on the Lough Oughter Complex SPA if construction phase is concurrent with the Cavan General Hospital, Emergency Department and Ward Block works, the Drumalee Manor housing works, and the Cavan Town Centre Regeneration works.</p> <p>Yes - from pollution on the Lough Oughter and Associated Loughs SAC if construction phase is concurrent with the Clones Regeneration works and the Ulster Canal Restoration works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Donegal Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 70km south-east from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 75km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 45km south-east from the scheme. Lough Oughter Complex SPA is approximately 50km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 45km or more distant, no in-combination effects are possible.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo: 62 units for social housing</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 65km or more distant, no in-combination effects are possible.</p> <p><u>Dublin Street Regeneration Monaghan</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Monaghan Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Newbliss Enterprise and Digital Hub</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 14km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Eastern Garavogue Bridge and Approach Road (Department of Transport element)</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>City Campus Sligo Hub; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and Sligo University Hospital Ward Development</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from these schemes and therefore no in-combination effects are predicted.</p> | | | |
| <p>SAB-086</p> <p>Increase GW abstraction (productive fissured bedrock) from existing boreholes to supply deficit at Clones WRZ</p> <p>Option study area is hydrologically linked to the Lough Oughter and Associated Loughs SAC which is 5.3km away. During</p> | <ul style="list-style-type: none"> Habitat degradation Disturbance | <p><u>Ballybay Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site. Upper Lough Erne SAC is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this site.</p> | <p>Yes - from pollution and disturbance on the Lough Oughter and Associated Loughs SAC, Upper Lough Erne SAC and Upper Lough Erne SPA if construction phase is concurrent with the Ballyconnell Community Services works and</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| <p>construction there is the potential for the pollution of QI habitats and supporting habitats. There is also potential for disturbance to otter during construction. No operational impacts area predicted.</p> <p>Option study area is hydrologically linked to the Upper Lough Erne SAC which is 5.9km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also potential for disturbance to otter during construction. No operational impacts area predicted.</p> <p>Option study area is hydrologically linked to the Upper Lough Erne SPA which is 5.9km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is also the potential for disturbance to QI bird species during construction. No operational impacts predicted.</p> | | <p>Upper Lough Erne SPA is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this site.</p> <p><u>Ballyconnell Community Services; and Ballyconnell Market House - Community, Remote Working and Tourism Hub</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 1.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SAC is approximately 5.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SPA is approximately 5.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Ballyshannon 2040 - Back to Ballyshannon; and Shiel Hospital, Ballyshannon</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 47km south-east from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 47km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 40km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cavan General Hospital, Emergency Department and Ward Block; 25 housing units, Drumalee Manor, Drumalee, Co. Cavan; and Cavan Town Centre Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SAC is approximately 13km north from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SPA is approximately 13km north from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Clones Regeneration; and Ulster Canal Restoration, Phase 2 and Clones terminus</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 10km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SAC is approximately 9km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so</p> | <p>the Ballyconnell Market House Hub works.</p> <p>Yes - from pollution and disturbance on the Lough Oughter and Associated Loughs SAC and the Upper Lough Erne SPA, and from pollution on Upper Lough Erne SAC if construction phase is concurrent with the Cavan General Hospital, Emergency Department and Ward Block works, the Drumalee Manor housing works, and the Cavan Town Centre Regeneration works.</p> <p>Yes - from pollution on the Lough Oughter and Associated Loughs SAC and Upper Lough Erne SAC, and from pollution and disturbance on Upper Lough Erne SPA if construction phase is concurrent with the Clones Regeneration works and the Ulster Canal Restoration works.</p> | <p>this European site, either alone or in-combination with other plans or projects.</p> | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>it is assumed there is potential for in-combination effects from pollution during construction (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SPA is approximately 9km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Cootehill Technology Park</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 15km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 19km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 19km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Donegal Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 70km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 55km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 55km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 45km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 45km or more distant, no in-combination effects are possible. Upper Lough Erne SAC is approximately 37km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 37km or more distant, no in-combination effects are possible. Upper Lough Erne SPA is approximately 37km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 37km or more distant, no in-combination effects are possible.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo: 62 units for social housing</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 65km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 65km or more distant, no in-combination effects are possible. Upper Lough Erne SAC is approximately 56km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 65km or more distant, no in-combination effects are possible. Upper Lough Erne SPA is approximately 56km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 56km or more distant, no in-combination effects are possible.</p> <p><u>Dublin Street Regeneration Monaghan</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Monaghan Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Newbliss Enterprise and Digital Hub</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 14km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 15km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 15km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Eastern Garavogue Bridge and Approach Road (Department of Transport element)</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 65km east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 56km east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 56km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>City Campus Sligo Hub; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and Sligo University Hospital Ward Development</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 65km east from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 56km east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 56km east from the scheme and therefore no in-combination effects are predicted.</p> | | | |
| SAB-202 New SW abstraction from Glenade Lough and upgrade of existing Glenade WTP. Option study is within the Glenade Lough SAC . During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this habitat loss and pollution there is a risk of mortality to QI species and their prey. There is potential for disturbance to QI species. There is also the risk of the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability. Option study area is hydrologically linked to the Lough Gill SAC which is 1.4km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species such as otter and their prey. During operation there is the potential for habitat degradation and a reduction in water availability/ flow. Option study area is in close proximity to the Sligo/Leitrim Uplands SPA which is 1km away. During construction there is potential for disturbance to QI birds given | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>Ballybay Regeneration</u></p> <p>Glenade Lough SAC is approximately 90km west from the scheme and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 80km west from the scheme and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 90km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyconnell Community Services; and Ballyconnell Market House - Community, Remote Working and Tourism Hub</u></p> <p>Glenade Lough SAC is approximately 50km north-west from these schemes and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 50km north-west from these schemes and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 55km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040 - Back to Ballyshannon; and Shiel Hospital, Ballyshannon</u></p> <p>Glenade Lough SAC is approximately 15km south from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 16km south from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 9km south from these schemes. However, no hydrological connection exists and given the location of these schemes within Ballyshannon it is not likely for there to be in-combination effects from disturbance to QI bird species.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u></p> <p>Glenade Lough SAC is approximately 100km west from these schemes and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 90km north-west from these schemes and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 50km north-west from these schemes and therefore no in-combination effects are predicted.</p> | <p>Yes – from pollution and disturbance impacts on the Lough Gill SAC if construction phase is concurrent with the Eastern Garavogue Bridge and Approach Road works and during operation from habitat degradation and water table/availability on Lough Gill SAC.</p> <p>Yes – from pollution and disturbance impacts on the Lough Gill SAC if construction phase is concurrent with the City Campus Sligo Hub works, the Sligo Hospital Redevelopment works, and the Sligo University Hospital Ward Development works and during operation from habitat degradation and water table/availability on Lough Gill SAC.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| the proximity of works. No operational impacts predicted. | | <p><u>Cavan General Hospital, Emergency Department and Ward Block; 25 housing units, Drumalee Manor, Drumalee, Co. Cavan; and Cavan Town Centre Regeneration</u></p> <p>Glenade Lough SAC is approximately 70km north-west from these schemes and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 60km north-west from these schemes and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 75km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Clones Regeneration; and Ulster Canal Restoration, Phase 2 and Clones terminus</u></p> <p>Glenade Lough SAC is approximately 70km west from these schemes and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 60km west from these schemes and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 70km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cootehill Technology Park</u></p> <p>Glenade Lough SAC is approximately 80km north-west from the scheme and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 70km north-west from the scheme and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 90km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Donegal Library</u></p> <p>Glenade Lough SAC is approximately 35km south from the scheme and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 35km south from the scheme and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 30km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Glenade Lough SAC is approximately 8km north-west from the scheme. There is a hydrological link, but the European site is upstream of the scheme. Lough Gill SAC is adjacent to the scheme. The AA screening considered potential impacts, but no LSEs were identified as no hydrological connection exists and there are physical barriers from roads and other urban infrastructure. Therefore, there is no potential for in-combination effects. Sligo/Leitrim Uplands SPA is approximately 9km west from the scheme, but there is no hydrological link. The AA screening considered potential impacts for these European sites, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 8km or more distant and no direct hydrological connection exists, no in-combination effects are possible.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>Glenade Lough SAC is approximately 18km north-east from the scheme, but no hydrological link exists. Lough Gill SAC is approximately 1km north-east from the scheme, but no hydrological connection exists. Sligo/Leitrim Uplands SPA is approximately 6km north-east from the scheme, but no hydrological link exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are not hydrologically connected, no in-combination effects are possible.</p> <p><u>Dublin Street Regeneration Monaghan</u></p> <p>Glenade Lough SAC and Sligo/Leitrim Uplands SPA are approximately 85km north-east from the scheme and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 75km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Monaghan Library</u></p> <p>Glenade Lough SAC and Sligo/Leitrim Uplands SPA are approximately 85km north-east from the scheme and therefore no in-combination effects are predicted.</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Lough Gill SAC is approximately 75km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Newbliss Enterprise and Digital Hub</u></p> <p>Glenade Lough SAC is approximately 75km north-east from the scheme and therefore no in-combination effects are predicted. Lough Gill SAC is approximately 65km north-east from the scheme and therefore no in-combination effects are predicted. Sligo/Leitrim Uplands SPA is approximately 80km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Eastern Garavogue Bridge and Approach Road (Department of Transport element)</u></p> <p>Glenade Lough SAC is approximately 15km north-east from the scheme but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Gill SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for the Eastern Garavogue Bridge and Approach Road scheme assumed as assessment not available at time of writing). Sligo/Leitrim Uplands SPA is approximately 5km north-east from the scheme, but no hydrological connection exists. However, the AA screening concluded that there were no LSEs, so no in-combination effects are predicted.</p> <p><u>City Campus Sligo Hub; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and Sligo University Hospital Ward Development</u></p> <p>Glenade Lough SAC is approximately 15km north-east from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Gill SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for these schemes assumed as assessment not available at time of writing). Sligo/Leitrim Uplands SPA is approximately 5km north-east from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> | | | |
| <p>SAB-133</p> <p>Replace rising main connecting raw water pump station and WTP at Lough Gowna (Cornadrun Pump Station), namely flooding of pump station, lack of control (raw water pumps control flow through plant) and increase SW abstraction to supply deficit.</p> <p>Option study area is in the vicinity of the Lough Oughter Complex SPA which is 13.6km away. During construction there is potential for the disturbance of QI bird species given the works take place in potential supporting habitats for these species. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Disturbance | <p><u>Ballybay Regeneration</u></p> <p>Lough Oughter Complex SPA is approximately 35km south-west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballyconnell Community Services; and Ballyconnell Market House - Community, Remote Working and Tourism Hub</u></p> <p>Lough Oughter Complex SPA is approximately 10km south-east from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040 - Back to Ballyshannon; and Shiel Hospital, Ballyshannon.</u></p> <p>Lough Oughter Complex SPA is approximately 70km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u></p> <p>Lough Oughter Complex SPA is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cavan General Hospital, Emergency Department and Ward Block; 25 housing units, Drumalee Manor, Drumalee, Co. Cavan; and Cavan Town Centre Regeneration</u></p> <p>Lough Oughter Complex SPA is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> | <p>Yes - from disturbance on the Lough Oughter Complex SPA if construction phase is concurrent with the Cavan General Hospital, Emergency Department and Ward Block works, the Drumalee Manor housing works, and the Cavan Town Centre Regeneration works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| | | <p><u>Clones Regeneration</u>; and Ulster Canal Restoration, Phase 2 and Clones terminus</p> <p>Lough Oughter Complex SPA is approximately 18km south-west from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Cootehill Technology Park</u></p> <p>Lough Oughter Complex SPA is approximately 20km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Donegal Library</u></p> <p>Lough Oughter Complex SPA is approximately 75km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Lough Oughter Complex SPA is approximately 50km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. This European site is more than 50km or more distant, no in-combination effects are possible.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo: 62 units for social housing</u></p> <p>Lough Oughter Complex SPA is approximately 65km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. This European site is more than 65km or more distant, no in-combination effects are possible.</p> <p><u>Dublin Street Regeneration Monaghan</u></p> <p>Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Monaghan Library</u></p> <p>Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Newbliss Enterprise and Digital Hub</u></p> <p>Lough Oughter Complex SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Eastern Garavogue Bridge and Approach Road (Department of Transport element)</u></p> <p>Lough Oughter Complex SPA is approximately 65km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>City Campus Sligo Hub; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and Sligo University Hospital Ward Development</u></p> <p>Lough Oughter Complex SPA is approximately 65km east from these schemes and therefore no in-combination effects are predicted.</p> | | | |
| <p>SAB-535 (TG1-SAB-157, TG1-SAB-185)</p> <p>Rationalise Derrykillew to Ballyshannon WRZ (Assaroe lake source). New SW abstraction from Assaroe Lake and new WTP (Planning Permission granted for New abstraction and WTP at Knaddar, Ballyshannon on River Erne/Kathleen Falls-ESB Dam).</p> <p>Option study area is 900m away from Pettigoe Plateau SPA. During construction there is the potential for disturbance to QI bird species during construction. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Habitat degradation Disturbance | <p><u>Ballybay Regeneration</u></p> <p>Donegal Bay SPA is approximately 100km north-west from the scheme and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 79km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyconnell Community Services</u>; and <u>Ballyconnell Market House - Community, Remote Working and Tourism Hub</u></p> <p>Donegal Bay SPA is approximately 60km north-west from these schemes and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 51km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040 - Back to Ballyshannon</u>; and <u>Shiel Hospital, Ballyshannon</u>.</p> <p>Donegal Bay SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during</p> | <p>Yes - from pollution and disturbance impacts on the Donegal Bay SPA if construction phase is concurrent with the Ballyshannon 2040 works and the Shiel Hospital works.</p> <p>Yes - from pollution and disturbance impacts on the Donegal Bay SPA if construction phase is concurrent with the</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| Option study area is hydrologically linked to the Donegal Bay SPA which is 2.3km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is also the potential for disturbance to QI bird species during construction. No operational impacts predicted. | | <p>construction (LSEs for these schemes assumed as assessment not available at time of writing). Pettigoe Plateau SPA is approximately 10km east from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u> Donegal Bay SPA is approximately 105km north-west from these schemes and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 89km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cavan General Hospital, Emergency Department and Ward Block; 25 housing units, Drumalee Manor, Drumalee, Co. Cavan; and Cavan Town Centre Regeneration</u> Donegal Bay SPA is approximately 80km north-west from these schemes and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 69km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Clones Regeneration; and Ulster Canal Restoration, Phase 2 and clones terminus</u> Donegal Bay SPA is approximately 70km north-west from these schemes and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 59km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cootehill Technology Park</u> Donegal Bay SPA is approximately 90km north-west from the scheme and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 74km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Donegal Library</u> Donegal Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSE for the Donegal Library project assumed as assessment not available at time of writing). Pettigoe Plateau SPA is approximately 14km south-east from the scheme but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u> Donegal Bay SPA is approximately 20km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 20km or more distant, no in-combination effects are possible. Pettigoe Plateau SPA is approximately 24km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The site is more than 24km or more distant, no in-combination effects are possible.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u> Donegal Bay SPA is approximately 25km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 25km or more distant, no in-combination effects are possible. Pettigoe Plateau SPA is approximately 40km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 40km or more distant, no in-combination effects are possible.</p> <p><u>Dublin Street Regeneration Monaghan</u> Donegal Bay SPA is approximately 85km north-west from the scheme and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 69km north-west from the scheme and therefore no in-combination effects are predicted.</p> | Donegal Library works. | | |

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| | | <p><u>Libraries Capital Programme - Monaghan Library</u></p> <p>Donegal Bay SPA is approximately 85km north-west from the scheme and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 69km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Newbliss Enterprise and Digital Hub</u></p> <p>Donegal Bay SPA is approximately 80km north-west from the scheme and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 65km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Eastern Garavogue Bridge and Approach Road (Department of Transport element)</u></p> <p>Donegal Bay SPA is approximately 25km north from the scheme and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 38km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>City Campus Sligo Hub; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and Sligo University Hospital Ward Development</u></p> <p>Donegal Bay SPA is approximately 25km north from these schemes and therefore no in-combination effects are predicted. Pettigoe Plateau SPA is approximately 38km north-east from the scheme and therefore no in-combination effects are predicted.</p> | | | |
| <p>SAB-538 (TG1-SAB-024, TG1-SAB-029, TG1-SAB-041, TG1-SAB-048)</p> <p>Increase GW abstraction (Newtown-Ballyconnell GWB (karstic) from existing boreholes to supply deficit at Ballyconnell PWS. Rationalise Belturbet WRZ, Swanlinbar and Bawnboy to Ballyconnell WRZ and create a new regional scheme.</p> <p>Option study area is within the Lough Oughter and Associated Loughs SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this habitat loss and pollution there is a risk of mortality to QI species and their prey. There is also the potential for disturbance to QI species such as otter and the spread of invasives given the works are within the SAC boundary. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is hydrologically linked to the Cladagh (Swanlinbar) River SAC which is 1.1km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts are predicted.</p> <p>Option study area is hydrologically linked to the Upper Lough Erne SAC which is 1.1km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also potential for disturbance to otter during construction. No operational impacts area predicted.</p> | <ul style="list-style-type: none"> Habitat loss Mortality risk Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>Ballybay Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site. Cladagh (Swanlinbar) River SAC is approximately 47km north-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this site. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballyconnell Community Services; and Ballyconnell Market House - Community, Remote Working and Tourism Hub</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 1.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for these schemes assumed as assessment not available at time of writing). Cladagh (Swanlinbar) River SAC is approximately 11km north-west from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 5.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SPA is approximately 5.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Lough Oughter Complex SPA is approximately 10km south-east from these schemes but no hydrological connection exists and</p> | <p>Yes - from pollution and disturbance impacts on the Lough Oughter and Associated Loughs SAC, Upper Lough Erne SAC and Upper Lough Erne SPA if construction phase is concurrent with the Ballyconnell Community Services works and the Ballyconnell Market House Hub works and during operation from habitat degradation and water table/availability on Lough Oughter and Associated Loughs SAC.</p> <p>Yes - from pollution impacts on the Lough Oughter and Associated Loughs SAC and Upper Lough Erne SAC, from pollution and disturbance impacts on Upper Lough Erne SPA, and from disturbance impacts on the Lough Oughter Complex SPA if construction phase is concurrent with the Cavan General Hospital, Emergency Department and Ward Block works, the Drumalee Manor housing works, and the Cavan Town Centre Regeneration works and during operation from habitat degradation and water table/availability on Lough Oughter and Associated Loughs SAC.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrogeological modelling as in Section 6.3.5 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| <p>Option study area is hydrologically linked to the Upper Lough Erne SPA which is 1.1km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is also the potential for disturbance to QI bird species during construction. No operational impacts predicted.</p> <p>Option study area is in close proximity to the Lough Oughter Complex SPA which is 3.3km away. During construction there is the potential for disturbance to QI birds. No operational impacts predicted.</p> | | <p>therefore no in-combination effects are predicted.</p> <p><u>Ballyshannon 2040 - Back to Ballyshannon; and Shiel Hospital, Ballyshannon.</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 46km south-east from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 47km south-east from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 47km south-east from these schemes and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 70km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 59km north-west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cavan General Hospital, Emergency Department and Ward Block; 25 housing units, Drumalee Manor, Drumalee, Co. Cavan; and Cavan Town Centre Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Cladagh (Swanlinbar) River SAC is approximately 31km north-west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 13km north from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SPA is approximately 13km north from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Oughter Complex SPA is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Clones Regeneration; and Ulster Canal Restoration, Phase 2 and Clones terminus</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 10km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for these schemes assumed as assessment not available at time of writing). Cladagh (Swanlinbar) River SAC is approximately 25km north-west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 9km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for these schemes assumed as assessment not available at time of writing). Upper Lough Erne SPA is approximately 9km south-</p> | <p>Yes - from pollution on the Lough Oughter and Associated Loughs SAC and Upper Lough Erne SAC, and from pollution and disturbance impacts on Upper Lough Erne SPA if construction phase is concurrent with the Clones Regeneration works and the Ulster Canal Restoration works and during operation from habitat degradation and water table/availability on Lough Oughter and Associated Loughs SAC.</p> | | |

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| | | <p>west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Lough Oughter Complex SPA is approximately 18km south-west from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Cootehill Technology Park</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 15km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 38km north-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 19km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 19km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 20km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Donegal Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 70km south-east from the scheme and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 56km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 55km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 55km south-east from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 75km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 45km south-east from the scheme. Cladagh (Swanlinbar) River SAC is approximately 37km south-east from the scheme. Upper Lough Erne SAC is approximately 37km south-east from the scheme. Upper Lough Erne SPA is approximately 37km south-east from the scheme. Lough Oughter Complex SPA is approximately 50km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 37km or more distant, no in-combination effects are possible.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo: 62 units for social housing</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from the scheme. Cladagh (Swanlinbar) River SAC is approximately 52km south-east from the scheme. Upper Lough Erne SAC is approximately 56km east from the scheme. Upper Lough Erne SPA is approximately 56km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 52km or more distant, no in-combination effects are possible.</p> <p><u>Dublin Street Regeneration Monaghan</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 38km west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no</p> | | | |

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| | | <p>in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Monaghan Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 38km west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Newbliss Enterprise and Digital Hub</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 14km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 31km north-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 15km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 15km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Eastern Garavogue Bridge and Approach Road (Department of Transport element)</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from the scheme and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 51km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 56km east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 56km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>City Campus Sligo Hub; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and Sligo University Hospital Ward Development</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from these schemes and therefore no in-combination effects are predicted. Cladagh (Swanlinbar) River SAC is approximately 51km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SAC is approximately 56km east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 56km east from the scheme and therefore no in-combination effects are predicted.</p> | | | |
| <p>SAB-501 (TG1-SAB-011, TG1-SAB-053)</p> <p>Interconnect Cavan and Ballyjamesduff WRZs. Supply spare capacity from Ballyjamesduff RWSS to Cavan RWSS. Upgrade Lismean WTP for water quality improvements. Ballyjamesduff RWSS is not in deficit and supply spare capacity to Cavan RWSS.</p> <p>Option study area is hydrologically linked to the Lough Oughter and Associated Loughs SAC which is 5.3km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for</p> | <ul style="list-style-type: none"> Habitat degradation Disturbance | <p><u>Ballybay Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Sheelin SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 30km west from the scheme and is hydrologically connected via the Annalee River. In-combination impacts are not predicted as the distance and attenuation of the hydrological link would act as a barrier to the effects on this site.</p> <p><u>Ballyconnell Community Services; and Ballyconnell Market House - Community,</u></p> | <p>Yes - from pollution and disturbance on the Lough Oughter and Associated Loughs SAC, and from disturbance on the Upper Lough Erne SPA if construction phase is concurrent with the Ballyconnell Community Services works and the Ballyconnell Market House Hub works.</p> <p>Yes - from pollution impacts on the Lough Oughter and</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| <p>disturbance to QI species such as otter and their prey. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Lough Oughter Complex SPA which is 5.4km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Lough Sheelin SPA which is 8.7km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Upper Lough Erne SPA which is 17.3km away. During construction there is the potential for disturbance to QI bird species during construction. No operational impacts predicted.</p> | | <p><u>Remote Working and Tourism Hub</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 1.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Oughter Complex SPA is approximately 10km south-east from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 35km south-west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 5.5km east from these schemes and is hydrologically connected via the Woodford River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Ballyshannon 2040 - Back to Ballyshannon; and Shiel Hospital, Ballyshannon.</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 70km south-east from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 90km south-east from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 47km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 60km south-east from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 50km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 40km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Cavan General Hospital, Emergency Department and Ward Block; 25 housing units, Drumalee Manor, Drumalee, Co. Cavan; and Cavan Town Centre Regeneration</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Lough Oughter Complex SPA is approximately 5km north-west from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Lough Sheelin SPA is approximately 18km south from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 13km north from these schemes and is hydrologically linked via the Cavan River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Clones Regeneration; and Ulster Canal Restoration, Phase 2 and Clones terminus</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 10km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Oughter Complex SPA is approximately 18km south-west from these schemes but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 40km north-</p> | <p>Associated Loughs SAC, from pollution and disturbance impacts on the Lough Oughter Complex SPA, and from disturbance impacts on the Upper Lough Erne SPA if construction phase is concurrent with the Cavan General Hospital, Emergency Department and Ward Block works, the Drumalee Manor housing works, and the Cavan Town Centre Regeneration.</p> <p>Yes - from pollution on the Lough Oughter and Associated Loughs SAC, and from disturbance on Upper Lough Erne SPA if construction phase is concurrent with the Clones Regeneration works and the Ulster Canal Restoration works.</p> | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>west from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 9km south-west from these schemes and is hydrologically linked via the Lackey River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Cootehill Technology Park</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 15km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 20km west from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 30km north-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 19km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Donegal Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 70km south-east from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 75km south-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 105km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 55km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 45km south-east from the scheme. Lough Oughter Complex SPA is approximately 50km south-east from the scheme. Lough Sheelin SPA is approximately 75km south-east from the scheme. Upper Lough Erne SPA is approximately 37km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 37km or more distant, no in-combination effects are possible.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo: 62 units for social housing</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from the scheme. Lough Sheelin SPA is approximately 90km south-east from the scheme. Upper Lough Erne SPA is approximately 56km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 56km or more distant, no in-combination effects are possible.</p> <p><u>Dublin Street Regeneration Monaghan</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 50km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 27km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Libraries Capital Programme - Monaghan Library</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 50km south-west from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 27km south-west</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Newbliss Enterprise and Digital Hub</u></p> <p>Lough Oughter and Associated Loughs SAC is approximately 14km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Oughter Complex SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 40km south from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 15km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Eastern Garavogue Bridge and Approach Road (Department of Transport element)</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 90km south-east from the scheme and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 56km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>City Campus Sligo Hub; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and Sligo University Hospital Ward Development</u></p> <p>Lough Oughter and Associated Loughs SAC and Lough Oughter Complex SPA are approximately 65km east from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 90km south-east from these schemes and therefore no in-combination effects are predicted. Upper Lough Erne SPA is approximately 56km east from the scheme and therefore no in-combination effects are predicted.</p> | | | |
| All Preferred Options The European sites that may be impacted by options within Study Area B are Cladagh (Swanlinbar) River SAC , Glenade Lough SAC , Lough Gill SAC , Lough Oughter and Associated Loughs SAC , Upper Lough Erne SAC , Donegal Bay SPA , Lough Oughter Complex SPA , Lough Sheelin SPA , Pettigo Plateau SPA , Sligo/Leitrim Uplands SPA and Upper Lough Erne SPA . | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>All Preferred Options</u></p> <p>Option SAB-538 is the only option within SAB with potential for impacts on Cladagh (Swanlinbar) River SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAB-202 is the only option within SAB with potential for impacts on Glenade Lough SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAB-202 is the only option within SAB with potential for impacts on Lough Gill SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAB to Lough Oughter and Associated Loughs SAC given that options SAB-060, SAB-086, SAB-538 and SAB-501 have the potential for impacts. Potential for in-combination effects from disturbance (SAB-086, SAB-538, SAB-501) and pollution (all options) during construction.</p> <p>There is potential for in-combination effects from the projects within SAB to Upper Lough Erne SAC given that options SAB-086 and SAB-538 have the potential for impacts. Potential for in-combination effects from disturbance (all options) and pollution (all options) during construction.</p> <p>Option SAB-535 is the only option within SAB with potential for impacts on Donegal Bay SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAB to Lough Oughter Complex SPA given that options SAB-060, SAB-133, SAB-538 and SAB-501 have the potential for impacts. Potential for in-combination effects from disturbance (all options) during construction.</p> <p>Option SAB-501 is the only option within SAB with potential for impacts on Lough Sheelin SPA. Therefore, there is no potential for in-combination effects to this</p> | <p>Yes – from disturbance and pollution impacts on Lough Oughter and Associated Loughs SAC if construction of options is concurrent.</p> <p>Yes – from disturbance and pollution impacts on Upper Lough Erne SAC if construction of options is concurrent.</p> <p>Yes – from disturbance impacts on Lough Oughter Complex SPA if construction of options is concurrent.</p> <p>Yes – from disturbance and pollution impacts on Upper Lough Erne SPA if construction of options is concurrent.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with the other options.</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>European site.</p> <p>Option SAB-535 is the only option within SAB with potential for impacts on Pettigoe Plateau SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAB-202 is the only option within SAB with potential for impacts on Sligo/Leitrim Uplands SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAB to Upper Lough Erne SPA given that options SAB-086, SAB-538 and SAB-501 have the potential for impacts. Potential for in-combination effects from disturbance (all options) and pollution (SAB-086 and SAB-538) during construction.</p> | | | |

Table E3: SA-C-Potential in-combination effects with other projects and options within SA-C

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| STUDY AREA C | | | | | |
| <p>SA-C-039</p> <p>Increase ground water (GW) abstraction (Belmullet GWB (poorly productive bedrock) to supply deficit at Ceide Fields WRZ, upgrade Ceide Fields water treatment plant (WTP).</p> <p>Option study area is within the Glenamoy Bog Complex SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> | <ul style="list-style-type: none"> • Habitat degradation • Spread of invasive non-native species • Water table/availability | <p><u>50 social housing units, Rehins Fort, Ballina</u> Glenamoy Bog Complex SAC is approximately 30km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u> Glenamoy Bog Complex SAC is approximately 70km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u> Glenamoy Bog Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballyhaunis Community Vision</u> Glenamoy Bog Complex SAC is approximately 75km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u> Glenamoy Bog Complex SAC is approximately 40km north-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>International Mountain Biking Project – Coolaney</u> Glenamoy Bog Complex SAC is approximately 55km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u> Glenamoy Bog Complex SAC is approximately 55km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u> Glenamoy Bog Complex SAC is approximately 25km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u> Glenamoy Bog Complex SAC is approximately 20km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u> Glenamoy Bog Complex SAC is approximately 80km east from the schemes. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 80km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u> Glenamoy Bog Complex SAC is approximately 45km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u> Glenamoy Bog Complex SAC is approximately 60km west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u> Glenamoy Bog Complex SAC is approximately 60km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 60km or more distant no</p> | No | N/A | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>Glenamoy Bog Complex SAC is approximately 55km west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>Glenamoy Bog Complex SAC is approximately 50km west from the scheme and therefore no in-combination impacts predicted.</p> | | | |
| SA-C-044 New GW abstraction overlying the same karstic aquifer as the European site. New watermains hydrologically linked to the European site. Option study area is hydrologically linked to the Streedagh Point Dunes SAC which is 3.7km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability. Option study area is hydrologically linked to the Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC which is 2.6km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability. | <ul style="list-style-type: none"> Habitat degradation Water table/availability | <p><u>50 social housing units, Rehins Fort, Ballina</u></p> <p>Streedagh Point Dunes SAC is approximately 49km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 54km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Streedagh Point Dunes SAC is approximately 96km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 100km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>Streedagh Point Dunes SAC is approximately 85km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 90km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Streedagh Point Dunes SAC is approximately 71km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 74km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Streedagh Point Dunes SAC is approximately 75km north-east from these schemes and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 80km north-east from these schemes and therefore no in-combination impacts predicted.</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>Streedagh Point Dunes SAC is approximately 22km north from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 26km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>Streedagh Point Dunes SAC is approximately 59km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 64km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>Streedagh Point Dunes SAC is approximately 104km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 110km north-east from the scheme and therefore no in-combination impacts predicted.</p> | No | N/A | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>The Cliff Bath House, Enniscrone</u> Streedagh Point Dunes SAC is approximately 39km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 45km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u> Streedagh Point Dunes SAC is approximately 23km north-west from the scheme. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 20km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European sites are 20km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u> Streedagh Point Dunes SAC is approximately 73km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 78km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u> Streedagh Point Dunes SAC is approximately 13km north-west from these schemes with no hydrological connection and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 15km north from these schemes with no hydrological connection and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u> Streedagh Point Dunes SAC is approximately 14.6km north-east from the scheme. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 17km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European sites are 14km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u> Streedagh Point Dunes SAC is approximately 9.5km north from these schemes with no hydrological connection and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 12.5km north-east from these schemes with no hydrological connection and therefore no in-combination impacts predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u> Streedagh Point Dunes SAC is approximately 39km north-east from the scheme and therefore no in-combination impacts predicted. Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC is approximately 43km north-east from the scheme and therefore no in-combination impacts predicted.</p> | | | |
| SA-C-067 New GW abstraction to supply deficit at Foxford, upgrade WTP. Option study area is hydrologically linked to the River Moy SAC which is 1km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts predicted. Option study area is in close proximity to the | <ul style="list-style-type: none"> Habitat degradation Disturbance | <p><u>50 social housing units, Rehins Fort, Ballina</u> River Moy SAC is approximately 200m east from the scheme and is hydrologically connected via the Tullyegan Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution. (LSEs for the Rehins Fort housing scheme assumed as assessment not available at time of writing). Lough Conn and Lough Cullin SPA is approximately 5km west from the scheme. There is a hydrological link, but the European site is upstream of the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the Rehins Fort housing scheme assumed as assessment not</p> | Yes – from pollution impacts on the River Moy SAC and from disturbance impacts on the Lough Conn and Lough Cullin SPA if construction phase is concurrent with the Rehins Fort housing scheme works. Yes – from pollution impacts on | General Mitigation Measures are outlined in Section 6.3.3 With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| <p>Lough Conn and Lough Cullin SPA which is 3.4km away. During construction there is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> | | <p>available at time of writing).</p> <p><u>Ballinrobe Regeneration</u></p> <p>River Moy SAC is approximately 12km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p>Lough Conn and Lough Cullin SPA is approximately 35km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>River Moy SAC is approximately 6km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p>Lough Conn and Lough Cullin SPA is approximately 20km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>River Moy SAC is approximately 2km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p>Lough Conn and Lough Cullin SPA is approximately 35km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>River Moy SAC is approximately 4km north-east from these schemes and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p>Lough Conn and Lough Cullin SPA is approximately 12km north-east from these schemes. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted.</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>River Moy SAC is approximately 8km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p>Lough Conn and Lough Cullin SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>River Moy SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, disturbance and the spread of invasive species during construction and changes to water table/availability during operation. There is the potential for in-combination effects from pollution during construction.</p> <p>Lough Conn and Lough Cullin SPA is approximately 2km from the scheme and is hydrologically linked via the River Deel and the Mullenmore Stream. NIS available which identified pollution during construction as an LSE. Therefore, no in-combination effects are predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>River Moy SAC is approximately 45km east from the scheme and therefore no in-combination impacts predicted.</p> <p>Lough Conn and Lough Cullin SPA is approximately 50km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>River Moy SAC is approximately 11km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p>Lough Conn and Lough Cullin SPA is approximately 16km south from the scheme. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> | <p>the River Moy SAC if construction phase is concurrent with the Castlebar Urban Greenway Link, Castlebar Historic Core, and Mayo University Hospital Emergency Department and Medical Assessment Unit works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Crossmolina Flood Relief Scheme works.</p> <p>Yes – from pollution impacts on the River Moy SAC and from disturbance impacts on the Lough Conn and Lough Cullin SPA if construction phase is concurrent with the N5 Westport to Turlough works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Tubbercurry Regeneration Project 2020 works.</p> | <p>either alone or in-combination with other plans or projects.</p> | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>River Moy SAC is approximately 45km west from the scheme. Lough Conn and Lough Cullin SPA is approximately 70km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European sites are 45km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u></p> <p>River Moy SAC is approximately 2km north-east from the scheme and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing). Lough Conn and Lough Cullin SPA is approximately 7km north from the scheme and is hydrologically connected via the River Moy. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing).</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>River Moy SAC is approximately 20km south-west from these schemes and therefore no in-combination impacts predicted. Lough Conn and Lough Cullin SPA is approximately 55km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>River Moy SAC is approximately 20km south-west from the scheme. Lough Conn and Lough Cullin SPA is approximately 55km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European sites are 20km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>River Moy SAC is approximately 17km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 45km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>River Moy SAC is approximately 2km west from the scheme and is hydrologically connected via the Tubbercurry Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for Tubbercurry Regeneration Project assumed as assessment not available at time of writing). Lough Conn and Lough Cullin SPA is approximately 30km west from the scheme and therefore no in-combination effects are predicted.</p> | | | |
| SA-C-073 Interconnect Kilaturley GWS with Charlestown and supply deficit from GWS. Option study area is within and hydrologically linked to the River Moy SAC . During construction there is the potential for the pollution of QI habitats and supporting habitats. As a result of this pollution there is a risk of mortality to QI species and their prey. There is the potential for disturbance to QI species. There is also the potential for the | <ul style="list-style-type: none"> Mortality risk Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>50 social housing units, Rehins Fort, Ballina</u></p> <p>River Moy SAC is approximately 200m east from the scheme and is hydrologically connected via the Tullyegan Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, disturbance and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for the Rehins Fort housing scheme assumed as assessment not available at time of writing).</p> <p><u>Ballinrobe Regeneration</u></p> <p>River Moy SAC is approximately 12km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> | <p>Yes – from pollution, mortality, disturbance and spread of invasive species impacts on the River Moy SAC if construction phase is concurrent with the Rehins Fort housing scheme works and during operation from habitat degradation and water table/availability on the River Moy SAC.</p> <p>Yes – from pollution impacts on</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>Hydrogeological modelling as in Section 6.3.5</p> <p>Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability. | | <p>River Moy SAC is approximately 6km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>River Moy SAC is approximately 2km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>River Moy SAC is approximately 4km north-east from these schemes and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>River Moy SAC is approximately 8km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>River Moy SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, disturbance and the spread of invasive species during construction and changes to water table/availability during operation. There is the potential for in-combination effects from pollution, disturbance and spread of invasive species during construction, and from changes to water table/availability during operation.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>River Moy SAC is approximately 45km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>River Moy SAC is approximately 11km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>River Moy SAC is approximately 45km west from the schemes. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 45km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u></p> <p>River Moy SAC is approximately 2km north-east from the scheme and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the scheme assumed as assessment not available at time of writing).</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>River Moy SAC is approximately 20km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>River Moy SAC is approximately 20km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 20km or more distant no in-combination effects are possible.</p> | <p>the River Moy SAC if construction phase is concurrent with the Castlebar Urban Greenway Link, the Castlebar Historic Core, and the Mayo University Hospital Emergency Department and Medical Assessment Unit works and during operation from habitat degradation and water table/availability on the River Moy SAC.</p> | <p>effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | |

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| | | <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>River Moy SAC is approximately 17km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>River Moy SAC is approximately 2km west from the scheme and is hydrologically connected via the Tubbercurry Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for the scheme assumed as assessment not available at time of writing).</p> | | | |
| <p>SA-C-101</p> <p>Upgrade and increase the existing SW abstraction from Lough Gill, decommission Kilsellagh WTP, upgrade Foxes Den WTP and new water mains crossing the European site.</p> <p>Option study area is within the Lough Gill SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this pollution there is a risk of mortality to QI species and their prey. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is hydrologically linked to the Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC which is 30m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Cummeen Strand SPA which is 300m away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Mortality risk Habitat loss Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>50 social housing units, Rehins Fort, Ballina</u></p> <p>Lough Gill SAC is approximately 50km north-east from the schemes and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 40km north-east from the schemes and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Lough Gill SAC, Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 85km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>Lough Gill SAC, Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 75km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Gill SAC is approximately 55km north-east from the scheme and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 60km north from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Gill SAC is approximately 70km north-east from these schemes and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 65km north-east from these schemes and therefore no in-combination impacts predicted.</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>Lough Gill SAC is approximately 13km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 10km north from the scheme, but no hydrological connection exists. Given the lack of hydrological link and the woodland habitat which the works are taking place in no in-combination effects are predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>Lough Gill SAC is approximately 60km east from the scheme and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 50km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>Lough Gill SAC is approximately 110km east from the scheme and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC</p> | <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species impacts on the Lough Gill SAC, from pollution impacts on the Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and from pollution and disturbance impacts on the Cummeen Strand SPA if construction phase is concurrent with the Sligo University Hospital Ward Development, the IT Sligo Extension to Central Campus, the Sligo Hospital Redevelopment Phase 1 and the City Campus Sligo Hub works and during operation from habitat degradation and water table/availability on the Lough Gill SAC.</p> <p>Yes – from pollution impacts on the Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and from pollution and disturbance impacts on the Cummeen Strand SPA if construction phase is concurrent with the Robbers' Lane social housing works.</p> <p>Yes – from pollution impacts on the Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and from pollution and disturbance impacts on the Cummeen Strand SPA if construction phase is concurrent with the Public Realm Enhancement of the villages of Strandhill and Rosses Point and the National Centre of Excellence for Surfing works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| | | <p>and Cummeen Strand SPA are approximately 100km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>Lough Gill SAC is approximately 40km east from the scheme and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 30km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Lough Gill SAC is adjacent to the scheme. The AA screening considered potential impacts, but no LSEs were identified as works are set in an urban environment with physical barriers from roads and buildings and no hydrological connections to the European site. Therefore, there is no potential for in-combination effects. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 20km west from the scheme are hydrologically linked via Lough Gill. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. In-combination impacts are not predicted as Lough Gill and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>N5 Westport to Turlough</u></p> <p>Lough Gill SAC is approximately 60km north-east from the scheme and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 60km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>Lough Gill SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, disturbance and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Cummeen Strand SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>Lough Gill SAC is approximately 1km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is not hydrologically connected and works are separated by distance no in-combination effects are possible. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC is approximately 1km north-west from the scheme. The AA screening considered potential impacts and noted that drains connecting to this European site will be blocked during construction. As this is a potential mitigation measure there is potential for in-combination effects from pollution during construction before mitigation. Cummeen Strand SPA is approximately 1km north-west from the scheme. The AA screening considered potential impacts and did not identify any pathways to this European site. However, as this European site covers a similar area as the Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC it can be assumed that the same hydrological connections exist from the drainage system that will be blocked during construction. Therefore, before mitigation there is potential for in-combination effects from pollution and disturbance during construction.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point;</u></p> | | | |

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| | | <p><u>National Centre of Excellence for Surfing, Strandhill</u> Lough Gill SAC is approximately 6km east from these schemes. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Cummeen Strand SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Tubbercurry Regeneration Project 2020</u> Lough Gill SAC is approximately 30km north-east from the scheme and therefore no in-combination impacts predicted. Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC and Cummeen Strand SPA are approximately 25km north from the scheme and therefore no in-combination impacts predicted.</p> | | | |
| <p>SA-C-108</p> <p>Increase abstraction at Lough Gill and upgrade pump station within the European site. Upgrade of watermains is crossing the European site. Upgrade Moneyduff WTP.</p> <p>Option study area is within the Lough Gill SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> | <ul style="list-style-type: none"> Mortality risk Habitat loss Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>50 social housing units, Rehins Fort, Ballina</u> Lough Gill SAC is approximately 50km north-east from the schemes and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u> Lough Gill SAC is approximately 85km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u> Lough Gill SAC is approximately 75km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballyhaunis Community Vision</u> Lough Gill SAC is approximately 55km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u> Lough Gill SAC is approximately 70km north-east from these schemes and therefore no in-combination impacts predicted.</p> <p><u>International Mountain Biking Project – Coolaney</u> Lough Gill SAC is approximately 13km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u> Lough Gill SAC is approximately 60km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u> Lough Gill SAC is approximately 110km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u> Lough Gill SAC is approximately 40km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u> Lough Gill SAC is adjacent to the scheme. The AA screening considered potential impacts, but no LSEs were identified as works are set in an urban environment with physical barriers from roads and buildings and no hydrological connections to the European site. Therefore, there is no potential for in-combination effects.</p> <p><u>N5 Westport to Turlough</u></p> | Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species impacts on the Lough Gill SAC if construction phase is concurrent with the Sligo University Hospital Ward Development, the IT Sligo Extension to Central Campus, the Sligo Hospital Redevelopment Phase 1 and the City Campus Sligo Hub works and during operation from habitat degradation and water table/availability on the Lough Gill SAC . | General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5 With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects. | N |

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| | | <p>Lough Gill SAC is approximately 60km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>Lough Gill SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, disturbance and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>Lough Gill SAC is approximately 1km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is not hydrologically connected and works are separated by distance no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>Lough Gill SAC is approximately 6km east from these schemes. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>Lough Gill SAC is approximately 30km north-east from the scheme and therefore no in-combination impacts predicted.</p> | | | |
| SAC-131 Keep supplying Dowra WRZ from Doobally GWS. Option study area is within the Boleybrack Mountain SAC . During construction there is the potential for the pollution of QI habitats and supporting habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability. | <ul style="list-style-type: none"> Habitat degradation Water table/availability | <p><u>50 social housing units, Rehins Fort, Ballina</u></p> <p>Boleybrack Mountain SAC is approximately 65km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Boleybrack Mountain SAC is approximately 100km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>Boleybrack Mountain SAC is approximately 90km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Boleybrack Mountain SAC is approximately 65km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Boleybrack Mountain SAC is approximately 85km north-east from these schemes and therefore no in-combination impacts predicted.</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>Boleybrack Mountain SAC is approximately 30km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>Boleybrack Mountain SAC is approximately 60km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>Boleybrack Mountain SAC is approximately 110km east from the scheme and therefore no in-combination impacts predicted.</p> | No | N/A | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>The Cliff Bath House, Enniscrone</u> Boleybrack Mountain SAC is approximately 60km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u> Boleybrack Mountain SAC is approximately 5km south-east from the scheme, but no hydrological link exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is not hydrologically connected no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u> Boleybrack Mountain SAC is approximately 80km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u> Boleybrack Mountain SAC is approximately 20km east from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u> Boleybrack Mountain SAC is approximately 20km east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 20km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u> Boleybrack Mountain SAC is approximately 30km east from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u> Boleybrack Mountain SAC is approximately 40km north-east from the scheme and therefore no in-combination impacts predicted.</p> | | | |
| SA-C-137 Rationalise Swinford to Kilaturley GWS. Option study area is hydrologically linked to the River Moy SAC which is 1.2km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. As a result of this pollution there is a risk of mortality to QI species and their prey. No operational impacts predicted. | <ul style="list-style-type: none"> Mortality risk Habitat degradation | <p><u>50 social housing units, Rehins Fort, Ballina</u> River Moy SAC is approximately 200m east from the scheme and is hydrologically connected via the Tullyegan Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and mortality during construction. (LSEs for the Rehins Fort housing scheme assumed as assessment not available at time of writing).</p> <p><u>Ballinrobe Regeneration</u> River Moy SAC is approximately 12km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u> River Moy SAC is approximately 6km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballyhaunis Community Vision</u> River Moy SAC is approximately 2km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u> River Moy SAC is approximately 4km north-east from these schemes and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and mortality during construction. (LSEs for these schemes assumed as assessment not available at time</p> | <p>Yes – from pollution and mortality impacts on the River Moy SAC if construction phase is concurrent with the Rehins Fort housing scheme works.</p> <p>Yes – from pollution and mortality impacts on the River Moy SAC if construction phase is concurrent with the Castlebar Urban Greenway Link, the Castlebar Historic Core, and the Mayo University Hospital Emergency Department and Medical Assessment Unit works.</p> <p>Yes – from pollution and mortality impacts on the River Moy SAC if construction phase is concurrent with the Crossmolina Flood Relief Scheme works and during operation from water.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>of writing).</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>River Moy SAC is approximately 8km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>River Moy SAC is adjacent to the scheme. NIS available which identified pollution and mortality during construction. There is the potential for in-combination effects from pollution during construction.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>River Moy SAC is approximately 45km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>River Moy SAC is approximately 11km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>River Moy SAC is approximately 45km west from the schemes. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 45km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u></p> <p>River Moy SAC is approximately 2km north-east from the scheme and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and mortality during construction. (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing).</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>River Moy SAC is approximately 20km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>River Moy SAC is approximately 20km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 20km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>River Moy SAC is approximately 17km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>River Moy SAC is approximately 2km west from the scheme and is hydrologically connected via the Tubbercurry Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and mortality during construction. (LSEs for the Tubbercurry Regeneration Project assumed as assessment not available at time of writing).</p> | <p>Yes – from pollution and mortality impacts on the River Moy SAC if construction phase is concurrent with the N5 Westport to Turlough works.</p> <p>Yes – from pollution and mortality impacts on the River Moy SAC if construction phase is concurrent with the Tubbercurry Regeneration Project works.</p> | | |
| SA-C-138 Augment current abstraction at Heapstown Spring. Option study area is adjacent to the Lough | <ul style="list-style-type: none"> Habitat degradation Disturbance Spread of invasive non-native species | <p><u>50 social housing units, Rehins Fort, Ballina</u></p> <p>Lough Arrow SAC is approximately 50km east from the scheme and therefore no in-combination impacts predicted. Unshin River SAC is approximately 30km east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is</p> | <p>Yes – from pollution and disturbance impacts on the Unshin River SAC and from disturbance impacts on Ballysadare Bay SPA if</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>Hydrogeological modelling</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| <p>Arrow SAC which is 50m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasive species within the SAC. No operational impacts are predicted.</p> <p>Option study area is hydrologically linked to the Unshin River SAC which is 500m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is adjacent to the Lough Arrow SPA which is 50m away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Ballysadare Bay SPA which is 17.7km away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Water table/availability | <p>approximately 50km east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 40km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Lough Arrow SAC and Unshin River SAC are approximately 75km north-east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 75km north-east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 80km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>Lough Arrow SAC and Unshin River SAC are approximately 70km north-east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 70km north-east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Arrow SAC is approximately 40km north-east from the scheme and therefore no in-combination impacts predicted. Unshin River SAC is approximately 45km north-east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 40km north-east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 50km north from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Arrow SAC is approximately 65km east from these schemes and therefore no in-combination impacts predicted. Unshin River SAC is approximately 50km north-east from these schemes and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 65km east from these schemes and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 60km north-east from these schemes and therefore no in-combination impacts predicted.</p> <p><u>International Mountain Biking Project - Coolaney</u></p> <p>Lough Arrow SAC is approximately 20km south-east from the scheme and therefore no in-combination impacts predicted. Unshin River SAC is 1km south of the scheme and is hydrologically connected via the Halfquarter Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Arrow SPA is approximately 20km south-east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is 4km north of the scheme and is hydrologically connected via the Unshin River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the International Mountain Biking Project assumed as assessment not available at time of writing).</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>Lough Arrow SAC is approximately 60km east from the scheme and therefore no in-combination impacts predicted. Unshin River SAC is approximately 40km east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 60km east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 45km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>Lough Arrow SAC is approximately 115km east from the scheme and therefore no</p> | <p>construction phase is concurrent with the International Mountain Biking Project, Coolaney works and during operation from habitat degradation and water table/availability on the Unshin River SAC.</p> <p>Yes – from disturbance impacts on Ballysadare Bay SPA if construction phase is concurrent with the Public Realm</p> <p>Enhancement of the villages of Strandhill and Rosses Point and the National Centre of Excellence for Surfing, Strandhill works.</p> | <p>as in Section 6.3.5 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>in-combination impacts predicted. Unshin River SAC is approximately 90km east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 115km east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 95km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>Lough Arrow SAC is approximately 50km south-east from the scheme and therefore no in-combination impacts predicted. Unshin River SAC is approximately 25km east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 50km south-east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 30km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Lough Arrow SAC is approximately 25km south from the scheme and therefore no in-combination impacts predicted. Unshin River SAC is approximately 20km south-west from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 25km south from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 25km south-west from the scheme and therefore no in-combination impacts predicted. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 20km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u></p> <p>Lough Arrow SAC is approximately 80km north-east from the scheme and therefore no in-combination impacts predicted. Unshin River SAC are approximately 65km north-east from the scheme and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 80km north-east from the scheme and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 75km north-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>Lough Arrow SAC is approximately 20km south from these schemes and therefore no in-combination impacts predicted. Unshin River SAC is approximately 6km south from these schemes, but no hydrological connection exists and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 20km south from these schemes and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 6km south from these schemes, but no hydrological connection exists and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>Lough Arrow SAC is approximately 20km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 20km or more distant no in-combination effects are possible. Unshin River SAC is approximately 6km south from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is not hydrologically connected and works are separated by distance no in-combination effects are possible. Lough Arrow SPA is approximately 20km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 20km or more distant no in-combination effects are possible. Ballysadare Bay SPA is approximately 6km south from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>potential for in-combination effects. As the European site is not hydrologically connected and works are separated by distance no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>Lough Arrow SAC is approximately 25km south-east from these schemes and is hydrologically linked via the Unshin River. However, the European site is upstream of the scheme and therefore no in-combination effects are predicted. Unshin River SAC is approximately 9km south-east from these schemes and is hydrologically linked via Ballysadare Bay. However, the European site is upstream of the scheme and therefore no in-combination effects are predicted. Lough Arrow SPA is approximately 25km south-east from these schemes and is hydrologically linked via the Unshin River. However, the European site is upstream of the scheme and therefore no in-combination effects are predicted. Ballysadare Bay SPA is approximately 1km south from these schemes and is hydrologically linked via the Sligo Bay. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>Lough Arrow SAC is approximately 25km east from these schemes and therefore no in-combination impacts predicted. Unshin River SAC is approximately 10km north from these schemes, but no hydrological link exists and therefore no in-combination impacts predicted. Lough Arrow SPA is approximately 25km east from these schemes and therefore no in-combination impacts predicted. Ballysadare Bay SPA is approximately 19km north from these schemes, but no hydrological link exists and therefore no in-combination impacts predicted.</p> | | | |
| SA-C-142 New SW abstraction from Keel Lough and new raw water transfer to existing WTP. Includes WTP upgrade. New source to supplement Accormore Lake during dry periods only Option study area is within the Keel Machair/Menaun Cliffs SAC . During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted. Option study area is within and adjacent to the Croaghaun/ Slievemore SAC . During construction there is the potential for the spread of invasive species within the SAC. No operational impacts predicted. | <ul style="list-style-type: none"> • Habitat loss • Habitat degradation • Spread of invasive non-native species | <p>50 social housing units, Rehins Fort, Ballina</p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 55km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Keel Machair/Menaun Cliffs SAC is approximately 60km north-west from the scheme and therefore no in-combination impacts predicted. Croaghaun/ Slievemore SAC is approximately 70km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>Keel Machair/Menaun Cliffs SAC is approximately 50km north-west from the scheme and therefore no in-combination impacts predicted. Croaghaun/ Slievemore SAC is approximately 55km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 85km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Keel Machair/Menaun Cliffs SAC is approximately 45km west from the scheme and therefore no in-combination impacts predicted. Croaghaun/ Slievemore SAC is approximately 50km west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>International Mountain Biking Project - Coolaney</u></p> | No | N/A | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 90km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 45km south-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>Keel Machair/Menaun Cliffs SAC is approximately 15km south from the scheme, but no hydrological connection exists and therefore no in-combination impacts predicted.</p> <p>Croaghaun/ Slievemore SAC is approximately 10km south from the scheme, but no hydrological connection exists and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 65km south-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 125km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 125km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u></p> <p>Keel Machair/Menaun Cliffs SAC is approximately 40km north-west from the scheme and therefore no in-combination impacts predicted. Croaghaun/ Slievemore SAC is approximately 35km north-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 105km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 105km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As These European sites are 105km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 95km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>Keel Machair/Menaun Cliffs SAC and Croaghaun/ Slievemore SAC are approximately 85km west from these schemes and therefore no in-combination impacts predicted.</p> | | | |
| SA-C-515 (TG1-SA-C-035, TG1-SA-C-035a) Rationalise Knock Airport to Kilkelly | • Habitat degradation | <u>50 social housing units, Rehins Fort, Ballina</u> River Moy SAC is approximately 200m east from the scheme and is hydrologically | Yes – from pollution impacts on the River Moy SAC if construction | General Mitigation Measures are outlined in | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| <p>WRZ. Increase GW abstraction at Kilkelly WRZ and upgrade Kilkelly WTP adjacent to the European site. New watermains and pump station hydrologically linked to the European site.</p> <p>Option study area is adjacent to and hydrologically linked to the River Moy SAC which is 320m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts predicted.</p> | | <p>connected via the Tullyegan Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for the Rehins Fort housing scheme assumed as assessment not available at time of writing).</p> <p><u>Ballinrobe Regeneration</u> River Moy SAC is approximately 12km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u> River Moy SAC is approximately 6km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Ballyhaunis Community Vision</u> River Moy SAC is approximately 2km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u> River Moy SAC is approximately 4km north-east from these schemes and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>International Mountain Biking Project – Coolaney</u> River Moy SAC is approximately 8km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u> River Moy SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, disturbance and the spread of invasive species during construction and changes to water table/availability during operation. There is the potential for in-combination effects from pollution during construction.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u> River Moy SAC is approximately 45km east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u> River Moy SAC is approximately 11km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u> River Moy SAC is approximately 45km west from the schemes. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 45km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u> River Moy SAC is approximately 2km north-east from the scheme and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing).</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u> River Moy SAC is approximately 20km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> | <p>phase is concurrent with the Rehins Fort housing scheme works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Castlebar Urban Greenway Link, the Castlebar Historic Core, and the Mayo University Hospital Emergency Department and Medical Assessment Unit works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Crossmolina Flood Relief Scheme works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the N5 Westport to Turlough works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Tubbercurry Regeneration Project works.</p> | <p>Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>River Moy SAC is approximately 20km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 20km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>River Moy SAC is approximately 17km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>River Moy SAC is approximately 2km west from the scheme and is hydrologically connected via the Tubbercurry Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for the scheme assumed as assessment not available at time of writing).</p> | | | |
| <p>SA-C-542 (TG1-SA-C-139, TG1-SA-C-140)</p> <p>Rationalise Kiltimagh to Lough Mask WRZ. Increase SW abstraction at Lough Mask and upgrade Tourmakeady WTP.</p> <p>Option study area is within the River Moy SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats. As a result of this pollution there is a risk of mortality to QI species and their prey. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted as the SW abstraction is not within this SAC.</p> <p>Option study area is adjacent to the Balla Turlough SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted.</p> <p>Option study area is within to the Lough Carra/Mask Complex SAC. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is within the Lough Mask SPA. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> | <ul style="list-style-type: none"> Mortality risk Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>50 social housing units, Rehins Fort, Ballina</u></p> <p>River Moy SAC is approximately 200m east from the scheme and is hydrologically connected via the Tullyegan Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, disturbance and spread of invasive species during construction (LSEs for the Rehins Fort housing scheme assumed as assessment not available at time of writing). Balla Turlough SAC is approximately 30km south from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 40km south from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>River Moy SAC is approximately 12km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Balla Turlough SAC is approximately 20km north from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC is approximately 4km west from the scheme and is hydrologically connected via the Robe Stream. No NIS available so it is assumed there is potential for in-combination effects from during operation from habitat degradation and changes to water table/availability. Lough Mask SPA is approximately 4km west from the scheme and is hydrologically connected via the Robe Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballinrobe Regeneration scheme assumed as assessment not available at time of writing).</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>River Moy SAC is approximately 6km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Balla Turlough SAC is approximately 12km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Carra/Mask Complex SAC is approximately 300m south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from during operation from habitat degradation and changes to water table/availability. Lough Mask SPA is approximately 300m south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballintober Abbey scheme assumed as assessment not available at time of writing).</p> <p><u>Ballyhaunis Community Vision</u></p> <p>River Moy SAC is approximately 2km north-west from the scheme, but no</p> | <p>Yes – from pollution, mortality, disturbance and spread of invasive species impacts on the River Moy SAC if construction phase is concurrent with the Rehins Fort housing scheme works.</p> <p>Yes – from pollution and disturbance impacts on the Lough Mask SPA if operational phase is concurrent with the Ballinrobe Regeneration works and during operation from habitat degradation and water table/availability on the Lough Carra/Mask Complex SAC and the Lough Mask SPA.</p> <p>Yes – from pollution and disturbance impacts on the Lough Mask SPA if construction phase is concurrent with the Ballintober Abbey Culture and Heritage Visitor Centre works and during operation from habitat degradation and water table/availability on the Lough Carra/Mask Complex SAC and the Lough Mask SPA.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Castlebar Urban Greenway Link, the Castlebar Historic Core, and the Mayo University Hospital Emergency Department and Medical Assessment Unit works.</p> <p>Yes – from pollution, disturbance</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>hydrological connection exists and therefore no in-combination effects are predicted. Balla Turlough SAC is approximately 25km west from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 30km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>River Moy SAC is approximately 4km north-east from these schemes and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for these schemes assumed as assessment not available at time of writing). Balla Turlough SAC is approximately 12km south-east from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 11km south from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>River Moy SAC is approximately 8km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Balla Turlough SAC is approximately 50km south-west from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 65km south-west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>River Moy SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, disturbance and the spread of invasive species during construction and changes to water table/availability during operation. There is the potential for in-combination effects from pollution, disturbance and the spread of invasive species during construction. Balla Turlough SAC is approximately 35km south-east from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 40km south from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>River Moy SAC is approximately 45km east from the scheme and therefore no in-combination impacts predicted. Balla Turlough SAC is approximately 75km south-east from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 65km south-east from the scheme and therefore no in-combination impacts predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>River Moy SAC is approximately 11km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Balla Turlough SAC is approximately 45km south from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 50km south from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>River Moy SAC is approximately 45km west from the schemes. Balla Turlough SAC is approximately 45km south-west from the scheme. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 95km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 45km or more distant</p> | <p>and spread of invasive species impacts on the River Moy SAC if construction phase is concurrent with the Crossmolina Flood Relief Scheme works.</p> <p>Yes – from pollution impacts on the River Moy SAC and from disturbance impacts on the Lough Mask SPA if construction phase is concurrent with the N5 Westport to Turlough works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Tubbercurry Regeneration Project works.</p> | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u></p> <p>River Moy SAC is approximately 2km north-east from the scheme and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction Balla Turlough SAC is approximately 10km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Carra/Mask Complex SAC is approximately 9km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Mask SPA is approximately 9km south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the scheme assumed as assessment not available at time of writing).</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>River Moy SAC is approximately 20km south-west from these schemes and therefore no in-combination impacts predicted. Balla Turlough SAC is approximately 65km south-west from these schemes and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 80km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>River Moy SAC is approximately 20km south-west from the scheme. Balla Turlough SAC is approximately 65km south-west from the scheme. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 80km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As These European sites are 20km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>River Moy SAC is approximately 17km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Balla Turlough SAC is approximately 60km south-west from these schemes and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 75km south-west from these schemes and therefore no in-combination impacts predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>River Moy SAC is approximately 2km west from the scheme and is hydrologically connected via the Tubbercurry Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for the scheme assumed as assessment not available at time of writing). Balla Turlough SAC is approximately 35km south-west from the scheme and therefore no in-combination impacts predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 50km south-west from the scheme and therefore no in-combination impacts predicted.</p> | | | |
| <p>SA-C-543 (TG1-SA-C-143, TG1-SA-C-144, TG1-SA-C-145)</p> <p>Increase abstraction from Lough Conn. Upgrade Lisglennon WTP and maintain Wherrew WTP. Rationalise Lough Talt and Lough Easkey to Lisglennon WTP.</p> <p>Option study area is adjacent to the River Moy SAC. During construction there is the</p> | <ul style="list-style-type: none"> Habitat loss Mortality risk Habitat degradation Disturbance Spread of invasive non-native species | <p><u>50 social housing units, Rehins Fort, Ballina</u></p> <p>River Moy SAC is approximately 200m east from the scheme and is hydrologically connected via the Tullyegan Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, disturbance and spread of invasive species during construction. Killala Bay/Moy Estuary SAC is approximately 2km north from the scheme and is hydrologically connected via the River Moy. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Lough Hoe Bog SAC is approximately</p> | <p>Yes – from pollution, mortality, disturbance and spread of invasive species impacts on the River Moy SAC, from disturbance on the Lough Conn and Lough Cullin SPA and from pollution impacts to the Killala Bay/Moy Estuary SAC and Killala</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> | <p>N</p> <p>With the implementation</p> |

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| <p>potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is a risk of mortality to QI species and their prey. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. No operational impacts are predicted.</p> <p>Option study area is adjacent to the Killala Bay/Moy Estuary SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted.</p> <p>Option study area is adjacent to the Lough Hoe Bog SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted.</p> <p>Option study area is adjacent to the Lough Conn and Lough Cullin SPA. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Killala Bay/Moy Estuary SPA which is 1.7km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. No operational impacts predicted.</p> | | <p>10km east from the scheme. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 5km west from the scheme. There is a hydrological link, but the European site is upstream of the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. Killala Bay/Moy Estuary SPA is approximately 4km north from the scheme and is hydrologically connected via the River Moy. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for the Rehins Fort housing scheme assumed as assessment not available at time of writing).</p> <p><u>Ballinrobe Regeneration</u></p> <p>River Moy SAC is approximately 12km north-east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SAC is approximately 55km north from the scheme and therefore no in-combination effects are predicted. Lough Hoe Bog SAC is approximately 50km north from the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 35km north from the scheme and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SPA is approximately 55km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballintober Abbey Culture and Heritage Visitor Centre</u></p> <p>River Moy SAC is approximately 6km east from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SAC is approximately 40km north from the scheme and therefore no in-combination effects are predicted. Lough Hoe Bog SAC is approximately 35km north-east from the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 20km north from the scheme and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SPA is approximately 40km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>River Moy SAC is approximately 2km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SAC is approximately 50km north-west from the scheme and therefore no in-combination effects are predicted. Lough Hoe Bog SAC is approximately 35km north from the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 35km north-west from the scheme and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SPA is approximately 50km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlebar Urban Greenway Link; Castlebar Historic Core; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>River Moy SAC is approximately 4km north-east from these schemes and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Killala Bay/Moy Estuary SAC is approximately 30km north-east from these schemes and is hydrologically connected via the River Moy. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Hoe Bog SAC is approximately 25km north-east from these schemes and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 12km north-east from these schemes. There is a hydrological link, but the European site is upstream of the scheme and therefore no</p> | <p>Bay/Moy Estuary SPA if construction phase is concurrent with the Rehins Fort housing scheme works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Castlebar Urban Greenway Link, the Castlebar Historic Core, and the Mayo University Hospital Emergency Department and Medical Assessment Unit works.</p> <p>Yes – from habitat loss, pollution, disturbance and spread of invasive species impacts on the River Moy SAC and from pollution impacts on the Lough Conn and Lough Cullin SPA if construction phase is concurrent with the Crossmolina Flood Relief Scheme works.</p> <p>Yes – from pollution and spread of invasive species impacts to the Killala Bay/Moy Estuary SAC and from pollution impacts on the Killala Bay/Moy Estuary SPA if construction phase is concurrent with the Enniscrone Cliff Bath House works.</p> <p>Yes – from pollution impacts on the River Moy SAC, the Killala Bay/Moy Estuary SAC and the Killala Bay/Moy Estuary SPA, and from pollution and disturbance impacts on the Lough Conn and Lough Cullin SPA if construction phase is concurrent with the N5 Westport to Turlough works.</p> <p>Yes – from pollution impacts on the River Moy SAC if construction phase is concurrent with the Tubbercurry Regeneration Project works.</p> | <p>of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | |

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| | | <p>in-combination effects are predicted. Killala Bay/Moy Estuary SPA is approximately 30km north-east from these schemes and is hydrologically connected via the River Moy. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>International Mountain Biking Project – Coolaney</u></p> <p>River Moy SAC is approximately 8km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SAC is approximately 30km west from the scheme and therefore no in-combination effects are predicted. Lough Hoe Bog SAC is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SPA is approximately 30km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Crossmolina Flood Relief Scheme</u></p> <p>River Moy SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, disturbance and the spread of invasive species during construction and changes to water table/availability during operation. There is the potential for in-combination effects from habitat loss, pollution, disturbance and spread of invasive species during construction. Killala Bay/Moy Estuary SAC is approximately 12km east from the scheme however, the hydrological link via the River Moy is approximately 40km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Hoe Bog SAC is approximately 20km south-east from the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 2km from the scheme and is hydrologically linked via the River Deel and the Mullenmore Stream. NIS available which identified pollution during construction. There is the potential for in-combination effects from pollution during construction. Killala Bay/Moy Estuary SPA is approximately 12km east from the scheme however, the hydrological link via the River Moy is approximately 40km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Áras Scéalta an Atlantaigh - Visitor Centre and Tourism Hub</u></p> <p>River Moy SAC is approximately 45km east from the scheme and therefore no in-combination impacts predicted. Killala Bay/Moy Estuary SAC is approximately 60km east from the scheme and therefore no in-combination effects are predicted. Lough Hoe Bog SAC is approximately 70km east from the scheme and therefore no in-combination impacts predicted. Lough Conn and Lough Cullin SPA is approximately 50km east from the scheme and therefore no in-combination impacts predicted. Killala Bay/Moy Estuary SPA is approximately 60km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>The Cliff Bath House, Enniscrone</u></p> <p>River Moy SAC is approximately 11km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and spread of invasive species during construction. Lough Hoe Bog SAC is approximately 14km south from the scheme. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 16km south from the scheme. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>from pollution during construction (LSEs for The Cliff Bath House scheme assumed as assessment not available at time of writing).</p> <p><u>Manorhamilton Public Realm improvement works including re-imagining employment and Enterprise Lands</u></p> <p>River Moy SAC is approximately 45km south-west from the scheme. Killala Bay/Moy Estuary SAC is approximately 60km west from the scheme. Lough Hoe Bog SAC is approximately 55km south-west from the scheme. Lough Conn and Lough Cullin SPA is approximately 70km south-west from the scheme. Killala Bay/Moy Estuary SPA is approximately 60km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 45km or more distant no in-combination effects are possible.</p> <p><u>N5 Westport to Turlough</u></p> <p>River Moy SAC is approximately 2km north-east from the scheme and is hydrologically connected via the Castlebar Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Killala Bay/Moy Estuary SAC is approximately 25km north from the scheme and is hydrologically connected via the River Moy. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Lough Hoe Bog SAC is approximately 20km north-east from the scheme. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 7km north from the scheme and is hydrologically connected via the River Moy. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. Killala Bay/Moy Estuary SPA is approximately 25km north from the scheme and is hydrologically connected via the River Moy. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing).</p> <p><u>Sligo University Hospital Ward Development; IT Sligo Extension to Central Campus; Sligo Hospital Redevelopment Phase 1; and City Campus Sligo Hub</u></p> <p>River Moy SAC is approximately 20km south-west from these schemes and therefore no in-combination impacts predicted. Killala Bay/Moy Estuary SAC is approximately 40km west from these schemes and therefore no in-combination effects are predicted. Lough Hoe Bog SAC is approximately 35km south-west from these schemes and therefore no in-combination impacts predicted. Lough Conn and Lough Cullin SPA is approximately 55km south-west from these schemes and therefore no in-combination impacts predicted. Killala Bay/Moy Estuary SPA is approximately 40km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Robbers' Lane, Maugheraboy, Sligo</u></p> <p>River Moy SAC is approximately 20km south-west from the scheme. Killala Bay/Moy Estuary SAC is approximately 40km west from the scheme. Lough Hoe Bog SAC is approximately 35km south-west from the scheme. Lough Conn and Lough Cullin SPA is approximately 55km south-west from the scheme. Killala Bay/Moy Estuary SPA is approximately 40km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As These European sites are 20km or more distant no in-combination effects are possible.</p> <p><u>The Public Realm Enhancement of the villages of Strandhill and Rosses Point; National Centre of Excellence for Surfing, Strandhill</u></p> <p>River Moy SAC is approximately 17km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SAC is approximately 35km west from these schemes and</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>therefore no in-combination effects are predicted. Lough Hoe Bog SAC is approximately 30km south-west from these schemes and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 45km south-west from these schemes and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SPA is approximately 35km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Tubbercurry Regeneration Project 2020</u></p> <p>River Moy SAC is approximately 2km west from the scheme and is hydrologically connected via the Tubbercurry Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. (LSEs for Tubbercurry Regeneration Project assumed as assessment not available at time of writing). Killala Bay/Moy Estuary SAC is approximately 30km west from the scheme however, the hydrological link via the River Moy is approximately 50km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Hoe Bog SAC is approximately 11km west from the scheme. There is a hydrological link, but the European site is upstream of the scheme and therefore no in-combination effects are predicted. Lough Conn and Lough Cullin SPA is approximately 30km west from the scheme and therefore no in-combination effects are predicted. Killala Bay/Moy Estuary SPA is approximately 30km west from the scheme however, the hydrological link via the River Moy is approximately 50km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> | | | |
| All Preferred Options The European sites that may be impacted by options within Study Area C are: Balla Turlough SAC, Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC, Boleybrack Mountain SAC, Croaghaun/ Slievemore SAC, Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC, Glenamoy Bog Complex SAC, Keel, Machair/Menaun Cliffs SAC, Killala Bay/Moy Estuary SAC, Lough Arrow SAC, Lough Carra/Mask Complex SAC, Lough Gill SAC, Lough Hoe Bog SAC, River Moy SAC, Streedagh Point Dunes SAC, Unshin River SAC, Ballysadare Bay SPA, Cummeen Strand SPA, Killala Bay/Moy Estuary SPA, Lough Arrow SPA, Lough Conn and Lough Cullin SPA and Lough Mask SPA. | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>All Preferred Options</u></p> <p>Option SA-C-542 is the only option within SA-C with potential for impacts on the Balla Turlough SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-044 is the only option within SA-C with potential for impacts on the Bunduff Lough And Machair/ Trawalua/ Mullaghmore SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-138 is the only option within SA-C with potential for impacts on the Ballysadare Bay SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAC-131 is the only option within SAC with potential for impacts on the Boleybrack Mountain SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-142 is the only option within SA-C with potential for impacts on the Croaghaun/ Slievemore SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-101 is the only option within SA-C with potential for impacts on the Cummeen Strand/Drumcliff Bay (Sligo Bay) SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-101 is the only option within SA-C with potential for impacts on the Cummeen Strand SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-039 is the only option within SA-C with potential for impacts on the Glenamoy Bog Complex SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-142 is the only option within SA-C with potential for impacts on the Keel Machair/Menaun Cliffs SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-543 is the only option within SA-C with potential for impacts on the</p> | <p>Yes – from disturbance impacts on Lough Conn and Lough Cullin SPA if construction of options is concurrent.</p> <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive and non-native species impacts on Lough Gill SAC if construction of options is concurrent and during operation from habitat degradation and water table/availability.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive and non-native species impacts on River Moy SAC if construction of options is concurrent.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>Hydrogeological modelling as in Section 6.3.5</p> <p>Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with the other options.</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Killala Bay/Moy Estuary SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-543 is the only option within SA-C with potential for impacts on the Killala Bay/Moy Estuary SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-138 is the only option within SA-C with potential for impacts on the Lough Arrow SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-138 is the only option within SA-C with potential for impacts on the Lough Arrow SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-542 is the only option within SA-C with potential for impacts on the Lough Carra/Mask Complex SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SA-C to Lough Conn and Lough Cullin SPA given that options SA-C-067 and SA-C-543 have the potential for impacts. Potential for in-combination effects from disturbance.</p> <p>There is potential for in-combination effects from the projects within SAC to Lough Gill SAC given that options SA-C-101 and SA-C-108 have the potential for impacts. Potential for in-combination effects from habitat loss, pollution, mortality, disturbance and spread of invasive and non-native species during construction and during operation from habitat degradation and water table/availability.</p> <p>Option SA-C-543 is the only option within SA-C with potential for impacts on the Lough Hoe Bog SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-542 is the only option within SA-C with potential for impacts on the Lough Mask SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SA-C to River Moy SAC given that options SA-C-067, SA-C-073, SA-C-137, SA-C-515, SA-C-542 and SA-C-543 have the potential for impacts. Potential for in-combination effects from pollution (all options), mortality (SA-C-073, SA-C-137, SA-C-542 and SA-C-543), disturbance (SA-C-073, SA-C-542 and SA-C-543) and spread of invasive and non-native species (SA-C-073, SA-C-542 and SA-C-543) during construction.</p> <p>Option SA-C-044 is the only option within SA-C with potential for impacts on the Streedagh Point Dunes SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SA-C-138 is the only option within SA-C with potential for impacts on the Unshin River SAC. Therefore, there is no potential for in-combination effects to this European site.</p> | | | |

Table E4: SAD-Potential in-combination effects with other projects and options within SAD

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| STUDY AREA D | | | | | |
| <p>SAD-014</p> <p>New ground water (GW) abstraction (poorly productive bedrock - Clare Island groundwater body)</p> <p>Option study area is adjacent to the West Connacht Coast SAC which is 120m away. During construction there is the potential for disturbance to QI species. No operational effects predicted.</p> <p>Option study area is adjacent to the Clare Island SPA which is 650m away. During construction there is the potential for the loss of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational effects predicted.</p> | <ul style="list-style-type: none"> • Habitat loss • Disturbance | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>West Connacht Coast SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>West Connacht Coast SAC is approximately 45km west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 50km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>West Connacht Coast SAC is approximately 30km west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 40km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>West Connacht Coast SAC is approximately 65km west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 75km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>West Connacht Coast SAC is approximately 30km south-west from these schemes and therefore no in-combination effects predicted. Clare Island SPA is approximately 40km west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>West Connacht Coast SAC is approximately 10km west from the scheme and is hydrologically linked via a number of streams running into Clew Bay. This project is included in the Clew Bay Development Plan NIS which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Clare Island SPA is approximately 20km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>West Connacht Coast SAC is approximately 5km west from these schemes and is hydrologically linked via the Owenglin River. However, given the QI species are dolphins and the works are terrestrial no in-combination effects predicted. Clare Island SPA is approximately 30km north from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>West Connacht Coast SAC is approximately 75km west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 80km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island Master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>West Connacht Coast SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Clare Island SPA is approximately 85km north-west from these schemes and therefore no in-combination effects predicted.</p> | <p>Yes – from disturbance effects to the West Connacht Coast SAC if construction phase is concurrent with the Clew Bay Greenway Project: Belcare to Murrisk works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Galway City Ring Road</u> West Connacht Coast SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u> West Connacht Coast SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u> West Connacht Coast SAC is approximately 75km north-west from the scheme. Clare Island SPA is approximately 85km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 75km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u> West Connacht Coast SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 75km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u> West Connacht Coast SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 100km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u> West Connacht Coast SAC is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u> West Connacht Coast SAC is approximately 18km south-west from the scheme and is hydrologically linked via Clew Bay. In-combination impacts are not predicted as the coastal currents of the hydrological link would act as a barrier to the effects on this European site. Clare Island SPA is approximately 30km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u> West Connacht Coast SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Clare Island SPA is approximately 90km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u> West Connacht Coast SAC is approximately 70km west from these schemes and therefore no in-combination effects predicted. Clare Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u> West Connacht Coast SAC is approximately 16km west from these schemes and is hydrologically linked via Clew Bay. However, given the QI species are dolphins and the works are terrestrial no in-combination effects predicted. Clare Island SPA is approximately 30km west from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u> West Connacht Coast SAC is approximately 16km west from the scheme and is hydrologically linked via Clew Bay. However, given the QI species are dolphins and</p> | | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | the works are terrestrial no in-combination effects predicted. Clare Island SPA is approximately 30km west from the scheme and therefore no in-combination effects predicted. | | | |
| SAD-027 New surface water (SW) abstraction from Lough Auna and upgrade existing Clifden water treatment plant (WTP). Option study area for a new WTP and watermains is adjacent to and hydrologically linked to The Twelve Bens/Garraun Complex SAC which is 100m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is potential for mortality of QI species or their prey from this pollution. There is the potential for disturbance to otter and other QI species. There is also the potential for the spread of invasive species given the proximity to the SAC. No operational effects predicted. Option study area is hydrologically linked to the Kingstown Bay SAC which is 7.3km away. During construction there is the potential for the pollution of QI habitats. No operational effects predicted. Option study area is within the Zone of Influence of the Slyne Head to Ardmore Point Islands SPA which is 9.5km away. There is the potential for disturbance to QI bird species. No operational effects predicted. Option study area is within the Zone of Influence of the Cruagh Island SPA which is 14.1km away. There is the potential for disturbance to QI bird species. No operational effects predicted. Option study area is within the Zone of Influence of the High Island, Inishshark and Davillaun SPA which is 17.5km away. There is the potential for disturbance to QI bird species. No operational effects predicted. | <ul style="list-style-type: none"> Mortality risk Habitat degradation Disturbance Spread of invasive non-native species | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 40km south-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 55km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 70km south-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 90km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 95km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 40km south-west from these schemes and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 65km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km south-west from these schemes and therefore no in-combination effects predicted.</p> | Yes – from pollution, mortality, disturbance and spread of invasive species effects to The Twelve Bens/Garraun Complex SAC if construction phase is concurrent with the Clifden Town Centre works and the St Annes Community Nursing Unit works. | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | N |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Kingstown Bay SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 35km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>The Twelve Bens/Garraun Complex SAC is adjacent to these schemes and is hydrologically linked upstream via the Owenglin River. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasives and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Kingstown Bay SAC is approximately 6km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 8km south from these schemes but given the urban location of the works no in-combination effects predicted. Cruagh Island SPA is approximately 12km north-west from these schemes but given the urban location of the works no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 16km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 65km west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 90km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 90km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from these schemes and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is</p> | | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from the scheme. Kingstown Bay SAC is approximately 75km north-west from these schemes. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes. Cruagh Island SPA is approximately 80km north-west from these schemes. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 50km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 40km north from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 40km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 90km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 40km north-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 70km north-west from the scheme and therefore no in-combination</p> | | | |

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| | | <p>effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 20km south from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 60km west from these schemes and therefore no in-combination effects predicted. Kingstown Bay SAC is approximately 80km west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 90km west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 12km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Kingstown Bay SAC is approximately 50km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>The Twelve Bens/Garraun Complex SAC is approximately 12km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Kingstown Bay SAC is approximately 50km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> | | | |

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| <p>SAD-033</p> <p>New SW abstraction from Lough Corrib and new WTP.</p> <p>Option study area is within the Lough Corrib SAC. Study area is also in close proximity to a Lesser Horseshoe (LHS) Bat foraging area and is upstream of a freshwater pearl mussel (FWPM) catchment. During construction there is the potential for habitat loss and pollution. As a result of this loss and pollution there is a risk of mortality to QI species and smothering of FWPM. There is a risk of disturbance to QI species in particular bats, otter, and FWPM. There is also the risk of the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in water availability/ flow from the planned abstraction.</p> <p>Option study area for a new WTP and watermains is adjacent to and hydrologically linked to the Lough Carra/Mask Complex SAC which is 400m away. Study area is in close proximity to LHS bat foraging range. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is a risk of mortality to QI species and their prey as a result of this loss and pollution. There is the potential for disturbance to bats, otter, and other QI species. There is also the potential for the spread of invasive species. No operational effects predicted.</p> <p>Option study area is in close proximity to the Ballymaglancy Cave, Cong SAC which is 1.4km away. Close to a LHS bat foraging range. During construction there is the potential for physical loss of supporting habitat for LHS bats and disturbance to LHS bats. No operational effects predicted.</p> <p>Option study area is within the Lough Corrib SPA. During construction there is the potential for the loss and pollution of protected and supporting habitats. There is also the potential for disturbance to QI birds. During operation there is the potential for habitat degradation and a reduction in water availability/ flow.</p> <p>Option study area for a new WTP and watermains is adjacent to and hydrologically linked to the Lough Mask SPA which is 450m away. During construction there is the potential for the loss and pollution of protected and supporting habitats. There is also the potential for disturbance to QI birds. No operational effects predicted.</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Lough Corrib SAC is approximately 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 45km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km west from the scheme and therefore no in-combination impacts predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Lough Corrib SAC is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Carra/Mask Complex SAC is approximately 4km west from the scheme and is hydrologically connected via the Robe Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Ballymaglancy Cave, Cong SAC is approximately 11km south-west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Mask SPA is approximately 4km west from the scheme and is hydrologically connected via the Robe Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for the Ballinrobe Regeneration scheme assumed as assessment not available at time of writing).</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Lough Corrib SAC is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Carra/Mask Complex SAC is approximately 300m south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. Ballymaglancy Cave, Cong SAC is approximately 25km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Mask SPA is approximately 300m south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for the Ballintubber Abbey scheme assumed as assessment not available at time of writing).</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Corrib SAC is approximately 7km south from the scheme and is hydrologically linked via the Dalgan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballyhaunis scheme assumed as assessment not available at time of writing). Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 30km west from the scheme and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 50km south-west from the scheme and is hydrologically linked via the</p> | <p>Yes – from pollution effects on the Lough Carra/Mask Complex SAC and from pollution and disturbance effects on the Lough Mask SPA if construction phase is concurrent with the Ballinrobe Regeneration works.</p> <p>Yes – from pollution, mortality, spread of invasive non-native species and disturbance effects on the Lough Carra/Mask Complex SAC and from pollution and disturbance effects on the Lough Mask SPA if construction phase is concurrent with the Ballintubber Abbey Culture and Heritage Visitor Centre works.</p> <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Ballyhaunis Community Vision works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC if construction phase is concurrent with the Dunmore Regeneration works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC and from habitat loss, pollution and disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUIG Learning Commons works, the</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| | | <p>Dalgar River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 35km south from these schemes and therefore no in-combination effects predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 11km south from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Ballymaglancy Cave, Cong SAC is approximately 35km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from the scheme and therefore no in-combination effects predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 20km south-east from the scheme and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 30km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km east from these schemes and therefore no in-combination effects predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 35km east from these schemes and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 45km east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Dunmore Regeneration scheme assumed as assessment not available at time of writing). Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 30km west from the scheme and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 40km west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south-west from the scheme and is hydrologically linked via the Sinking River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Lough Corrib SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Carra/Mask Complex SAC, Lough Mask SPA and Ballymaglancy Cave, Cong SAC are approximately 35km north-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for these schemes assumed as assessment not</p> | <p>Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and the Lough Corrib SPA.</p> <p>Yes – from habitat loss, pollution, mortality and spread of invasive species effects on the Lough Corrib SAC and from pollution and disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Galway City Ring Road works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC and from pollution and disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works and during operation from habitat degradation on the Lough Corrib SAC and Lough Corrib SPA.</p> <p>Yes – from habitat loss, pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC and from pollution and disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the N59 Moycullen Bypass works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and Lough Corrib SPA.</p> | | |

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| | | <p>available at time of writing).</p> <p><u>Galway City Ring Road</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from habitat loss, pollution, mortality and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 35km north-west from the scheme and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and disturbance as LSEs for this European site. There is the potential for in-combination effects from habitat loss, pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation. Lough Carra/Mask Complex SAC, Lough Mask SPA and Ballymaglancy Cave, Cong SAC are approximately 35km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Lough Corrib SAC is 5km from the scheme and no hydrological connection exists. Lough Carra/Mask Complex SAC, Lough Mask SPA and Cave, Cong SAC are approximately 35km north-west from the scheme. Lough Corrib SPA is 7km from the scheme and no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 5km or more distant and no hydrological connection exists, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 40km north-east from the scheme and therefore no in-combination effects predicted. Lough Carra/Mask Complex SAC, Lough Mask SPA and Ballymaglancy Cave, Cong SAC are approximately 50km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Lough Corrib is approximately 15km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Carra/Mask Complex SAC, Lough Mask SPA and Ballymaglancy Cave, Cong SAC are approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Carra/Mask Complex SAC, Lough Mask SPA and Ballymaglancy Cave,</p> | <p>Yes – from pollution effects on the Lough Corrib SAC and the Lough Corrib SPA if construction phase is concurrent with the Tuam Community Nursing Unit works, and the Tuam Regeneration Strategy works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and Lough Corrib SPA.</p> <p>Yes - from disturbance effects on the Lough Mask SPA if construction phase is concurrent with the N5 Westport to Turlough works.</p> | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Cong SAC are approximately 25km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is 2km east from the scheme and hydrologically connected via the Ballycuirke Lough Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability.</p> <p><u>Newport Regeneration Project</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 40km south from the scheme and therefore no in-combination effects predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 20km south-east from the scheme and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 9km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Carra/Mask Complex SAC, Lough Mask SPA and Ballymaglancy Cave, Cong SAC are approximately 40km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Lough Corrib SAC is approximately 2km west from these schemes and is hydrologically linked via the Tuam Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 30km north-west from these schemes and therefore no in-combination effects predicted. Ballymaglancy Cave, Cong SAC is approximately 30km west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km south-west from these schemes and is hydrologically linked via the Clare River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from these schemes and therefore no in-combination effects predicted. Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 17km south-east from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Ballymaglancy Cave, Cong SAC is approximately 30km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from the scheme and therefore no in-combination effects predicted. Lough Carra/Mask Complex SAC is approximately 9km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Ballymaglancy Cave, Cong SAC is approximately 30km south from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 9km south from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the N5 scheme assumed as assessment not available at time of writing).</p> | | | |
| SAD-040 | • Mortality risk | <u>Athenry regeneration/Bia Innovator</u> | Yes – from pollution, mortality, disturbance and spread of | General Mitigation Measures are outlined in | N |

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| <p>New GW abstraction from Gortgarogh GWB (Sean, Robbie spring) spring.</p> <p>Option study area is adjacent to and hydrologically linked to the Lough Corrib SAC which is 380m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is a risk of mortality to QI species and their prey as a result of this pollution. There is the potential for disturbance to otter and other QI species. There is also the potential for the spread of invasive species. During operation there is the potential for habitat degradation and a reduction in water availability/ flow from the planned abstraction.</p> <p>Option study area is the ZOC for Lough Lurgen Bog/Glenamaddy Turlough SAC which is 3km away. No construction impacts predicted. During operation there is the potential for habitat degradation and the reduction in water availability/ flow from the planned GW abstraction.</p> | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p>Lough Corrib SAC is approximately 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 35km north from the scheme and therefore no in-combination effects predicted</p> <p><u>Ballinrobe Regeneration</u></p> <p>Lough Corrib SAC is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 30km north from the scheme and therefore no in-combination effects predicted</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Lough Corrib SAC is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 50km south-east from the scheme and therefore no in-combination effects predicted</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Corrib SAC is approximately 7km south from the scheme and is hydrologically linked via the Dalgan River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 20km south-east from the scheme and therefore no in-combination effects predicted</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Corrib SAC is approximately 35km south from these schemes and therefore no in-combination effects predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 55km south-east from these schemes and therefore no in-combination effects predicted</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Lough Corrib SAC is approximately 30km south from the scheme and therefore no in-combination effects predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 75km south-east from the scheme and therefore no in-combination effects predicted</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Lough Corrib SAC is approximately 30km east from these schemes and therefore no in-combination effects predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 100km east from these schemes and therefore no in-combination effects predicted</p> <p><u>Dunmore Regeneration</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 4km east from the scheme and is hydrologically linked via the bedrock aquifer. No NIS available so it is assumed there is potential for in-combination effects during operation from habitat degradation and changes to water table/availability. (LSEs for Dunmore Regeneration scheme assumed as assessment not available at time of writing).</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City</u></p> | <p>invasive species effects on the Lough Corrib SAC if construction phase is concurrent with the Dunmore Regeneration works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and the Lough Lurgen Bog/Glenamaddy Turlough SAC.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUIG Learning Commons works, the Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution, mortality and spread of invasive species effects on the Lough Corrib SAC if construction phase is concurrent with the Galway City Ring Road works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC if construction phase is concurrent with the Galway Public Spaces and Streets Project works and during operation from habitat degradation</p> | <p>Section 6.3.3</p> <p>Hydrogeological modelling as in Section 6.3.5</p> <p>Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Lough Corrib SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 50km north-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution, mortality and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 50km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 50km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Lough Corrib SAC is 5km from the scheme and no hydrological connection exists. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 50km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 5km or more distant and no hydrological connection exists, no in-combination effects are possible.</p> <p><u>Áras Ronán Community Nursing Unit, Aran Islands.</u></p> <p>Lough Corrib SAC is approximately 40km north-east from the scheme and therefore no in-combination effects predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 90km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Lough Corrib is approximately 15km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 55km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 50km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Lough Corrib SAC is approximately 40km south from the scheme and therefore no in-combination effects predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC</p> | <p>on the Lough Corrib SAC.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC if construction phase is concurrent with the N59 Moycullen Bypass works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Tuam Community Nursing Unit works, and the Tuam Regeneration Strategy works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>is approximately 70km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Lough Corrib SAC is approximately 9km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 40km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Lough Corrib SAC is approximately 2km west from these schemes and is hydrologically linked via the Tuam Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for these schemes assumed as assessment not available at time of writing). Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 20km north-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Lough Corrib SAC is approximately 30km south from these schemes and therefore no in-combination effects predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 65km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Lough Corrib SAC is approximately 30km south from the scheme and therefore no in-combination effects predicted. Lough Lurgen Bog/Glenamaddy Turlough SAC is approximately 55km south-east from the scheme and therefore no in-combination effects predicted.</p> | | | |
| SAD-046a Increase existing SW abstraction at Terryland from River Corrib Option study area is within/ adjacent to the Lough Corrib SAC . During construction there is the potential for the pollution of QI habitats and supporting habitats. There is a risk of mortality to QI species and their prey as a result of this pollution. There is the potential for disturbance to otter and other QI species. There is also the potential for the spread of invasive species. During operation there is the potential for habitat degradation and a reduction in water availability/ flow from the planned abstraction. Option study area is hydrologically linked to the Galway Bay Complex SAC which is 1.5km away. During construction there is the potential for the pollution of QI habitats and protected watercourses. There is also the potential for disturbance to otter as construction may take place in supporting habitats. No operational effects predicted. Option study area is within/ adjacent to the Lough Corrib SPA . During construction there is the potential for the pollution of | <ul style="list-style-type: none"> Mortality risk Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Lough Corrib SAC is approximately 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Galway Bay Complex SAC is approximately 12km south-west from the scheme and is hydrologically linked via the Clarinbridge Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Lough Corrib SPA is approximately 20km west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 12km south-west from the scheme and is hydrologically linked via the Clarinbridge Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for Athenry Regeneration and Bia Innovator scheme assumed as assessment not available at time of writing). Cregganna Marsh SPA is approximately 11km south-west from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted. Rahasane Turlough SPA is approximately 7km south from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Lough Corrib SAC is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 40km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of</p> | <p>Yes – from pollution effects on the Galway Bay Complex SAC and from pollution and disturbance effects on the Inner Galway Bay SPA if construction phase is concurrent with the Athenry regeneration/Bia Innovator works.</p> <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Ballyhaunis Community Vision works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC if construction phase is concurrent with the Dunmore Regeneration works and during operation from habitat degradation and water table/availability on the Lough</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | N |

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| <p>protected and supporting habitats. There is also the potential for disturbance to QI birds. During operation there is the potential for habitat degradation and a reduction in water availability/ flow from the planned abstraction. Option study area is hydrologically linked to the Inner Galway Bay SPA which is 1.5km away. During construction there is potential for the pollution of protected and supporting habitats. There is also the potential for disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the Cregganna Marsh SPA which is 9km away. During construction there is potential for the disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the Rahasane Turlough SPA which is 12.6km away. During construction there is potential for the disturbance to QI birds. No operational effects predicted.</p> | | <p>the hydrological link would act as a barrier to the effects on this European site. Cregganna Marsh SPA is approximately 45km south-east from the scheme and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 55km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Lough Corrib SAC is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 55km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Cregganna Marsh SPA is approximately 60km south-east from the scheme and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 65km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Corrib SAC is approximately 7km south from the scheme and is hydrologically linked via the Dalgan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballyhaunis scheme assumed as assessment not available at time of writing). Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 55km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 50km south-west from the scheme and is hydrologically linked via the Dalgan River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Cregganna Marsh SPA is approximately 55km south from the scheme and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 60km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 35km south from these schemes and therefore no in-combination effects predicted. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 70km south from these schemes and therefore no in-combination effects predicted. Cregganna Marsh SPA is approximately 70km south-east from these schemes and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 75km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from the scheme and therefore no in-combination effects predicted. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 70km south-east from the scheme and therefore no in-combination effects predicted. Cregganna Marsh SPA is approximately 75km south-east from the scheme and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 85km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km east from these schemes and therefore no in-combination effects predicted. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 70km south-east from the scheme and therefore no in-combination effects predicted.</p> | <p>Corrib SAC.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC, from pollution and disturbance effects on the Lough Corrib SPA and from pollution and disturbance effects on the Galway Bay Complex SAC and the Inner Galway Bay SPA if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUIG Learning Commons works, the Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and the Lough Corrib SPA.</p> <p>Yes – from pollution, mortality and spread of invasive species effects on the Lough Corrib SAC and from pollution and disturbance effects on the Lough Corrib SPA, the Galway Bay Complex SAC and the Inner Galway Bay SPA if construction phase is concurrent with the Galway City Ring Road works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and from habitat degradation on the Lough Corrib SPA.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC and from</p> | | |

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| | | <p>SAC and Inner Galway Bay SPA are approximately 65km south-east from these schemes and therefore no in-combination effects predicted. Cregganna Marsh SPA is approximately 75km south-east from these schemes and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 85km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Dunmore Regeneration scheme assumed as assessment not available at time of writing). Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 40km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south-west from the scheme and is hydrologically linked via the Sinking River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Cregganna Marsh SPA is approximately 40km south-west from the scheme and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Lough Corrib SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Galway Bay Complex SAC is adjacent to these schemes and hydrologically connected via the Corrib River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. Lough Corrib SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Inner Galway Bay SPA is adjacent to these schemes and hydrologically connected via the Corrib River. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Cregganna Marsh SPA is approximately 4km south-east from these schemes but given the urban location of the works no in-combination effects from disturbance are predicted. Rahasane Turlough SPA is approximately 13km south-east from these schemes but given the urban location of the works no in-combination effects from disturbance are predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified pollution, mortality, spread of invasive species and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution, mortality and spread of invasive species during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Galway Bay Complex SAC is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified pollution, spread of invasives, mortality and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Lough Corrib</p> | <p>pollution and disturbance effects on the Lough Corrib SPA, the Galway Bay Complex SAC and the Inner Galway Bay SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works and during operation from habitat degradation on the Lough Corrib SAC and the Lough Corrib SPA.</p> <p>Yes – from pollution and disturbance effects on the Galway Bay Complex SAC and the Inner Galway Bay SPA, and from disturbance to the Cregganna Marsh SPA and the Rahasane Turlough SPA if construction phase is concurrent with the Kinvara Boardwalk and Walkway works.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects on the Lough Corrib SAC and from pollution and disturbance effects on the Lough Corrib SPA and from disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the N59 Moycullen Bypass works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and the Lough Corrib SPA.</p> <p>Yes – from pollution and disturbance effects on the Galway Bay Complex SAC and the Inner Galway Bay SPA if construction phase is concurrent with the Oranmore Railway Station works.</p> <p>Yes – from pollution effects on the Lough Corrib SAC and the Lough Corrib SPA if construction phase is concurrent with the Tuam Community Nursing Unit works, and the Tuam Regeneration Strategy works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC and the</p> | | |

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| | | <p>SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation. Inner Galway Bay SPA is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Cregganna Marsh SPA is approximately 4km south-east from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted. Rahasane Turlough SPA is approximately 13km south-east from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation. Galway Bay Complex SAC is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified habitat loss, pollution, spread of invasives, mortality and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation. Inner Galway Bay SPA is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified habitat loss, pollution, mortality, spread of invasives and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Cregganna Marsh SPA is approximately 4km south-east from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted. Rahasane Turlough SPA is approximately 13km south-east from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Lough Corrib SAC is 5km from the scheme and no hydrological connection exists. Galway Bay Complex SAC is 800m from the scheme and no hydrological connection exists. Lough Corrib SPA is 7km from the scheme and no hydrological connection exists. Inner Galway Bay SPA is 800m from the scheme and no hydrological connection exists. Cregganna Marsh SPA is approximately 3km south-east from the scheme. Rahasane Turlough SPA is approximately 12km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the scheme is located in a pre-existing road and these European sites are not hydrologically connected, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 40km north-east from the scheme and therefore no in-combination effects predicted. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 30km east from the scheme and therefore no in-combination effects predicted. Cregganna Marsh SPA is approximately 50km east from the scheme and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 60km east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Lough Corrib is approximately 15km north from the scheme, but no hydrological</p> | <p>Lough Corrib SPA.</p> | | |

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| | | <p>connection exists and therefore no in-combination effects are predicted. Galway Bay Complex SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. Lough Corrib SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, and disturbance during construction. Cregganna Marsh SPA is 11km north from the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. Rahasane Turlough SPA is 11km north-east from the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the Kinvara Boardwalk and Walkway scheme assumed as assessment not available at time of writing).</p> <p><u>N59 Moycullen Bypass</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Galway Bay Complex SAC is 7km south from the scheme and hydrologically connected via Lough Corrib. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Corrib SPA is 2km east from the scheme and hydrologically connected via the Ballycurirke Lough Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Inner Galway Bay SPA is 7km south from the scheme and hydrologically connected via Lough Corrib. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the N59 Moycullen Bypass scheme assumed as assessment not available at time of writing). Cregganna Marsh SPA is approximately 18km south-east from the scheme, but no hydrological link exists and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 25km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 40km south from the scheme and therefore no in-combination effects predicted. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 75km south from the scheme and therefore no in-combination effects predicted. Cregganna Marsh SPA is approximately 80km south-east from the scheme and therefore no in-combination effects predicted. Rahasane Turlough SPA is approximately 90km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 9km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Galway Bay Complex SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. Inner Galway Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, and disturbance during construction (LSEs for the Oranmore Railway Station scheme assumed as assessment not available at time of writing). Cregganna Marsh SPA is approximately 3km south-east from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted. Rahasane Turlough SPA is approximately 12km south-east from the scheme but given the urban location of the works no in-combination effects from disturbance are predicted.</p> | | | |

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| | | <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Lough Corrib SAC is approximately 2km west from these schemes and is hydrologically linked via the Tuam stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Galway Bay Complex SAC is 30km south-west from these schemes and hydrologically connected via Lough Corrib. In-combination impacts are not predicted as Lough Corrib and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Corrib SPA is approximately 20km south-west from these schemes and is hydrologically linked via the Clare River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing). Inner Galway Bay SPA is 30km south-west from the scheme and hydrologically connected via Lough Corrib. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Cregganna Marsh SPA and Rahasane Turlough SPA are approximately 30km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from these schemes and therefore no in-combination effects predicted. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 65km south-east from these schemes and therefore no in-combination effects predicted. Cregganna Marsh SPA are approximately 70km south-east from these schemes and therefore no in-combination effects predicted. Rahasane Turlough SPA are approximately 80km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from the scheme and therefore no in-combination effects predicted. Galway Bay Complex SAC and Inner Galway Bay SPA are approximately 65km south from the scheme and therefore no in-combination effects predicted. Cregganna Marsh SPA are approximately 70km south-east from these schemes and therefore no in-combination effects predicted. Rahasane Turlough SPA are approximately 80km south-east from these schemes and therefore no in-combination effects predicted.</p> | | | |
| <p>SAD-055</p> <p>Desalination plant to supply full deficit. No blending, chemical remineralization only.</p> <p>Option study area is within the Inishbofin and Inishshark SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is a risk of mortality to QI species and their prey as a result of this loss and pollution. There is the potential for disturbance to QI species. During operation there is the potential for habitat degradation from the planned abstraction.</p> <p>Option study area is hydrologically linked to the West Connacht Coast SAC which is 580m away. During construction there is the potential for the pollution of supporting habitats for QI species. There is a risk of</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Inishbofin and Inishshark SAC is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 95km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 125km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 130km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 100km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km north-west from the scheme and therefore no in-combination effects predicted.</p> | <p>Yes – from pollution and disturbance effects on the West Connacht Coast SAC if construction phase is concurrent with the Clew Bay Greenway Project works and during operation from habitat degradation on the West Connacht Coast SAC and the Clew Bay Complex SAC.</p> <p>Yes – from pollution effects on the West Connacht Coast SAC if construction phase is concurrent with the Clifden Town Centre works, and the St Annes Community Nursing Unit works and during operation from habitat</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| <p>mortality to QI species as a result of this pollution. There is a risk of disturbance to QI species and their prey. During operation there is the potential for habitat degradation.</p> <p>Option study area is within the range of the Slyne Head Islands SAC which is 19km away. During construction there is potential for the pollution of QI habitats and supporting habitats. There is also potential for disturbance given the works take place in waterbodies within the range of QI species. During operation there is the potential for habitat degradation.</p> <p>Option study area is within the range of the Kilkieran Bay and Islands SAC which is 39km away. No construction impacts predicted. During operation there is the potential for habitat degradation.</p> <p>Option study area is within the range of the Clew Bay Complex SAC which is 40km away. No construction impacts predicted. During operation there is the potential for habitat degradation.</p> <p>Option study area is within the range of the Duvillaun Islands SAC which is 49km away. No construction impacts predicted. During operation there is the potential for habitat degradation.</p> <p>Option study area is within the range of the Inishkea Islands SAC which is 52km away. No construction impacts predicted. During operation there is the potential for habitat degradation.</p> <p>Option study area is in close proximity to the Inishbofin, Omey Island and Turbot Island SPA which is 90m away. During construction there is the potential for disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is hydrologically linked to the High Island, Inishshark and Davillaun SPA which is 1.1km away. During construction there is the potential for the disturbance to QI birds. During operation there is the potential for habitat degradation.</p> <p>Option study area is within the Zone of Influence of the Cruagh Island SPA which is 9.1km away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted.</p> | | <p><u>Ballinrobe Regeneration</u></p> <p>Inishbofin and Inishshark SAC is approximately 60km west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 45km west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 80km south-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 85km south-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 65km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Inishbofin and Inishshark SAC is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 30km west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 18km west from the scheme, but no hydrological link exists and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Inishbofin and Inishshark SAC is approximately 90km west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 65km west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 95km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 50km west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 100km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 95km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Inishbofin and Inishshark SAC is approximately 60km south-west from these</p> | <p>degradation on the West Connacht Coast SAC.</p> <p>Yes – if construction phase is concurrent with the Newport Regeneration Project works there is potential for effects during operation from habitat degradation on the Clew Bay Complex SAC.</p> <p>Yes – from pollution effects on the West Connacht Coast SAC if construction phase is concurrent with the Westport Library works, and the Regeneration of Sisters of Mercy Convent Site and Adjacent Lands works and during operation from habitat degradation on the West Connacht Coast SAC and the Clew Bay Complex SAC.</p> <p>Yes – from pollution effects on the West Connacht Coast SAC if construction phase is concurrent with the N5 Westport to Turlough works and during operation from habitat degradation on the West Connacht Coast SAC and the Clew Bay Complex SAC.</p> | | |

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| | | <p>schemes and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 30km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 55km south from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 17km west from these schemes, but no hydrological link exists and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 60km north-west from these schemes and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 65km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Inishbofin and Inishshark SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 10km west from the scheme and is hydrologically linked via a number of streams running into Clew Bay. This project is included in the Clew Bay Development Plan NIS which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation. Slyne Head Islands SAC is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 54km south from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to the scheme and is hydrologically linked via a number of streams running into Clew Bay. This project is included in the Clew Bay Development Plan NIS which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from habitat degradation during operation. Duvillaun Islands SAC is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 40km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Inishbofin and Inishshark SAC is approximately 19km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. West Connacht Coast SAC is approximately 5km west from these schemes and is hydrologically linked via the Owenglin River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation (LSEs for these schemes assumed as assessment not available at time of writing). Slyne Head Islands SAC is 8km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Kilkieran Bay and Islands SAC is 19km south from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Clew Bay Complex SAC is approximately 40km north-east from these schemes and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 65km</p> | | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>north from these schemes and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 70km north from these schemes and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 17km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. High Island, Inishshark and Davillaun SPA is approximately 16km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 12km north-west from these schemes but given the urban location of the works no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Inishbofin and Inishshark SAC is approximately 90km west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 95km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 105km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 110km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 95km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Inishbofin and Inishshark SAC is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 115km north-west from these schemes and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 120km north-west from these schemes and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 85km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Inishbofin and Inishshark SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and</p> | | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Islands SAC is approximately 35km west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 115km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 120km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Inishbofin and Inishshark SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 115km north-west from these schemes and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 120km north-west from these schemes and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Inishbofin and Inishshark SAC is approximately 80km north-west from the scheme. West Connacht Coast SAC is approximately 75km north-west from the scheme. Slyne Head Islands SAC is approximately 75km north-west from the scheme. Kilkieran Bay and Islands SAC is approximately 35km west from the scheme. Clew Bay Complex SAC is approximately 65km north-west from the scheme. Duvillaun Islands SAC is approximately 115km north-west from the scheme. Inishkea Islands SAC is approximately 120km north-west from the scheme. Inishbofin, Oney Island and Turbot Island SPA is approximately 85km north-west from the scheme. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme. Cruagh Island SPA is approximately 80km north-west from these schemes. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 75km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Inishbofin and Inishshark SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 45km north-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 8km north from the scheme, but no hydrological link exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 75km north from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 110km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is</p> | | | |

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| | | <p>approximately 115km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Inishbofin and Inishshark SAC is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 130km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 135km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 100km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Inishbofin and Inishshark SAC is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 65km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 25km west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 105km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 110km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Inishbofin and Inishshark SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 18km south-west from the scheme and is hydrologically linked via Clew Bay. In-combination impacts are not predicted as the coastal currents of the hydrological link would act as a barrier to the effects on this European site. Slyne Head Islands SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 55km south from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat degradation during operation (LSEs for the Newport Regeneration Project assumed as assessment not available at time</p> | | | |

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| | | <p>of writing). Duvillaun Islands SAC is approximately 45km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Inishbofin and Inishshark SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 80km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 120km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 125km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 90km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Inishbofin and Inishshark SAC is approximately 85km west from these schemes and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 70km west from these schemes and therefore no in-combination effects predicted. Slyne Head Islands SAC is approximately 85km west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 50km west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from these schemes and therefore no in-combination effects predicted. Duvillaun Islands SAC is approximately 105km north-west from these schemes and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 110km north-west from these schemes and therefore no in-combination effects predicted. Inishbofin, Oney Island and Turbot Island SPA is approximately 90km west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 90km west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Inishbofin and Inishshark SAC is approximately 45km south-west from these schemes and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 16km west from these schemes and is hydrologically linked via Clew Bay. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation. Slyne Head Islands SAC is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south-west from these schemes and</p> | | | |

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| | | <p>therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from habitat degradation during operation (LSEs for these schemes assumed as assessment not available at time of writing). Duvillaun Islands SAC is approximately 50km north-west from these schemes and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 55km north-west from these schemes and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 50km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Inishbofin and Inishshark SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 16km west from the scheme and is hydrologically linked via Clew Bay. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation. Slyne Head Islands SAC is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is 1km west from the scheme and is hydrologically linked via the Coolbarreen Stream. No NIS available so it is assumed there is potential for in-combination effects from habitat degradation during operation. (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing). Duvillaun Islands SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Inishkea Islands SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Inishbofin, Omey Island and Turbot Island SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted.</p> | | | |
| SAD-058 Optimise GW abstraction from current springs (includes GW harvesting/raw water storage) Option study area is adjacent to the Inisheer Island SAC which is 90m away. During construction there is the potential for the pollution of protected and supporting habitats. During operation there is the potential for habitat degradation and the reduction in water availability/ flow. | <ul style="list-style-type: none"> Habitat degradation Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u> Inisheer Island SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u> Inisheer Island SAC is approximately 65km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u> Inisheer Island SAC is approximately 80km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u> Inisheer Island SAC is approximately 90km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u> Inisheer Island SAC is approximately 90km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u> Inisheer Island SAC is approximately 80km south from the scheme and therefore no</p> | No | N/A | N |

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| | | <p>in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Inisheer Island SAC is approximately 55km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Inisheer Island SAC is approximately 80km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Inisheer Island SAC is approximately 40km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Inisheer Island SAC is approximately 40km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Inisheer Island SAC is approximately 40km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Inisheer Island SAC is approximately 40km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 40km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Inisheer Island SAC is approximately 11km south-east from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Inisheer Island SAC is approximately 40km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Inisheer Island SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Inisheer Island SAC is approximately 90km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Inisheer Island SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Inisheer Island SAC is approximately 65km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Inisheer Island SAC is approximately 80km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Inisheer Island SAC is approximately 80km south from the scheme and therefore no</p> | | | |

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| <p>SAD-069</p> <p>Optimise GW abstraction from current springs (includes GW harvesting/raw water storage)</p> <p>Option study area is within the Inishmaan Island SAC. During construction there is the potential for the loss and pollution of QI habitats. During operation there is the potential for habitat degradation and a reduction in water availability/ flow.</p> | <ul style="list-style-type: none"> • Habitat loss • Habitat degradation • Water table/availability | <p>in-combination effects predicted.</p> <p><u>Athenry regeneration/Bia Innovator</u> Inishmaan Island SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u> Inishmaan Island SAC is approximately 60km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u> Inishmaan Island SAC is approximately 75km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u> Inishmaan Island SAC is approximately 90km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u> Inishmaan Island SAC is approximately 85km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u> Inishmaan Island SAC is approximately 75km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u> Inishmaan Island SAC is approximately 50km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u> Inishmaan Island SAC is approximately 80km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u> Inishmaan Island SAC is approximately 40km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u> Inishmaan Island SAC is approximately 40km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u> Inishmaan Island SAC is approximately 40km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u> Inishmaan Island SAC is approximately 40km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 40km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u> Inishmaan Island SAC is approximately 6km south-east from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> | <p>No</p> | <p>N/A</p> | <p>N</p> |

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| | | <p>Inishmaan Island SAC is approximately 40km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Inishmaan Island SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Inishmaan Island SAC is approximately 85km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Inishmaan Island SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Inishmaan Island SAC is approximately 65km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Inishmaan Island SAC is approximately 75km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Inishmaan Island SAC is approximately 75km south from the scheme and therefore no in-combination effects predicted.</p> | | | |
| <p>SAD-074</p> <p>Increase GW abstraction from existing boreholes and new raw water storage to maximise GW availability in winter months.</p> <p>Option study area is adjacent to and within the ZOC for the Inishmore Island SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is a risk of mortality to QI species as a result of this loss and pollution. During operation there is the potential for habitat degradation and the reduction of water availability/ flow.</p> <p>Option study area is close to a hydrological link to the Inishmore SPA which is 1.3km away. During construction there is the potential for disturbance to QI bird species. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the Slyne Head to Ardmore Point Islands SPA which is 13.7km away. During construction there is the potential for disturbance to QI bird species. No operational effects predicted.</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 60km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 70km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 90km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 95km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 85km south from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 70km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore</p> | <p>Yes – from habitat loss, pollution and mortality effects on the Inishmore Island SAC and from disturbance effects on the Inishmore SPA if construction phase is concurrent with the Áras Ronáin Community Nursing Unit works and during operation from habitat degradation and water table/availability on the Inishmore Island SAC.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrogeological modelling as in Section 6.3.5 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Point Islands SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 40km south from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 8km south from these schemes but given the urban location of the works no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Inishmore Island SAC and Inishmore SPA is approximately 80km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 90km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Inishmore Island SAC and Inishmore SPA is approximately 40km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 40km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 40km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 40km south-west from the scheme. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 40km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Inishmore Island SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from habitat loss, pollution and mortality during construction. There is the potential for in-combination effects from pollution and disturbance during construction. Inishmore SPA is approximately 2km south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the Áras Ronáin Community Nursing Unit scheme assumed as assessment not available at time of writing). Slyne Head to Ardmore Point Islands SPA is approximately 40km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 45km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km north-west from the scheme and therefore</p> | | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 80km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Inishmore Island SAC and Inishmore SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 65km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 70km south from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Inishmore Island SAC and Inishmore SPA are approximately 70km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted.</p> | | | |
| <p>SAD-101</p> <p>Increase GW abstraction from existing boreholes and new raw water storage to maximise GW availability in winter months.</p> <p>Option Study area is hydrologically linked to the Lough Corrib SAC which is 1.1km away. During construction there is the potential for the pollution of QI habitats and supporting habitats due to the proximity of GW abstraction. There is potential for disturbance to QI species such as otter. During operation there is the potential for habitat degradation, reduced flow, and water availability from the GW abstraction.</p> | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Lough Corrib SAC is approximately 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Lough Corrib SAC is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Lough Corrib SAC is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Corrib SAC is approximately 7km south from the scheme and is hydrologically linked via the Dalgan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballyhaunis Community scheme assumed as assessment not available</p> | <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Ballyhaunis Community Vision works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution and disturbance effects on the Lough Corrib SAC if construction phase is concurrent with the Dunmore Regeneration works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution and disturbance effects on the Lough Corrib SAC.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>Hydrogeological modelling as in Section 6.3.5</p> <p>Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>at time of writing).</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Corrib SAC is approximately 35km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Lough Corrib SAC is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Lough Corrib SAC is approximately 30km east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Dunmore Regeneration Project assumed as assessment not available at time of writing).</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Lough Corrib SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Galway City Ring Road</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Lough Corrib SAC is 5km from the scheme and no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 5km or more distant and no hydrological connection exists, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Lough Corrib SAC is approximately 40km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Lough Corrib is approximately 15km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted.</p> | <p>Corrib SAC if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUI Galway Learning Commons works, the Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Galway City Ring Road works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution and disturbance effects on the Lough Corrib SAC if construction phase is concurrent with the Galway Public Spaces and Streets Project works and during operation from habitat degradation on the Lough Corrib SAC.</p> <p>Yes – from pollution and disturbance effects on the Lough Corrib SAC if construction phase is concurrent with the N59 Moycullen Bypass works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Tuam Community Nursing Unit works,</p> | | |

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| | | <p><u>N59 Moycullen Bypass</u> Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the N59 scheme assumed as assessment not available at time of writing).</p> <p><u>Newport Regeneration Project</u> Lough Corrib SAC is approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u> Lough Corrib SAC is approximately 9km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u> Lough Corrib SAC is approximately 2km west from these schemes and is hydrologically linked via the Tuam Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u> Lough Corrib SAC is approximately 30km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u> Lough Corrib SAC is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> | <p>and the Tuam Regeneration Strategy works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> | | |
| SAD-111 New GW abstraction (karstic bedrock - Newport groundwater body) Option study area is adjacent to the Owenduff/Nephin Complex SAC which is 190m away. During construction there is the potential for the pollution of QI habitats and supporting habitats due to the proximity of GW abstraction. There is potential for disturbance to QI species such as otter. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted. Option study area is hydrologically linked to the Clew Bay Complex SAC which is 770m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is potential for disturbance to QI species such as otter. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted. Option study area is adjacent to the Owenduff/Nephin Complex SPA which is 100m away. During construction there is the potential for the disturbance to QI birds. No | <ul style="list-style-type: none"> Habitat degradation Disturbance Spread of invasive non-native species | <p><u>Athenry regeneration/Bia Innovator</u> Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 90km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 115km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballinrobe Regeneration</u> Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 40km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u> Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 18km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 55km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u> Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 50km west from the scheme and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 55km north-east from the scheme and therefore no in-combination effects predicted.</p> | <p>Yes – from pollution and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Clew Bay Greenway Project works.</p> <p>Yes – from pollution, spread of invasive species and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Newport Regeneration Project works.</p> <p>Yes – from pollution, spread of invasive species and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Westport Library works and the Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands works.</p> <p>Yes – from pollution and disturbance effects on the Clew Bay Complex SAC if construction</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrogeological modelling as in Section 6.3.5 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| <p>operational impacts predicted.</p> <p>Option study area is within the Zone of Influence of the Black sod Bay/Broad Haven SPA which is 16.8km away. During construction there is the potential for the disturbance to QI birds. No operational impacts predicted.</p> | | <p>Haven SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 20km north-west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 15km west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 50km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 16km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Clew Bay Complex SAC is adjacent to the scheme. This project is included in the Clew Bay Development Plan NIS which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Black sod Bay/Broad Haven SPA is approximately 40km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 50km north-east from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 40km north-east from these schemes and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 65km north from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 80km north-west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 105km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Black sod Bay/Broad Haven SPA is approximately 105km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> | <p>phase is concurrent with the N5 Westport to Turlough works.</p> | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Blacksod Bay/Broad Haven SPA is approximately 105km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 80km north-west from the scheme. Clew Bay Complex SAC is approximately 65km north-west from the scheme. Blacksod Bay/Broad Haven SPA is approximately 105km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 65km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 85km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 70km north from the scheme and therefore no in-combination effects predicted. Blacksod Bay/Broad Haven SPA is approximately 105km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 95km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Blacksod Bay/Broad Haven SPA is approximately 125km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Blacksod Bay/Broad Haven SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 5km north-west from the scheme, but no hydrological link exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasives and disturbance during construction (LSEs for the Newport Regeneration Project assumed as assessment not available at time of writing). Blacksod Bay/Broad Haven SPA is approximately 35km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Blacksod Bay/Broad Haven SPA is approximately 105km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are</p> | | | |

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| | | <p>approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from these schemes and therefore no in-combination effects predicted. Blacksod Bay/Broad Haven SPA is approximately 95km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 15km north from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasives and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Blacksod Bay/Broad Haven SPA are approximately 40km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Owenduff/Nephin Complex SAC and Owenduff/Nephin Complex SPA are approximately 15km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is 1km west from the scheme and is hydrologically linked via the Coolbarreen Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing). Blacksod Bay/Broad Haven SPA is approximately 40km north-west from these schemes and therefore no in-combination effects predicted.</p> | | | |
| SAD-117a Increase SW abstraction from existing River Newport and upgrade existing Newport WTP. Option study area is within the Newport River SAC . Area is within an FWPM catchment. During construction there is the potential for pollution of supporting habitats for QI species. There is a risk of mortality to QI species as a result of this pollution. There is a risk of disturbance to QI species in particular FWPM. There is also the risk of the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in water availability/ flow from the planned abstraction. Option study area is hydrologically linked to the Clew Bay Complex SAC which is 1.5km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is potential for disturbance to QI species such as otter. No operational impacts predicted. | <ul style="list-style-type: none"> Mortality Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Newport River SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Newport River SAC is approximately 30km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 30km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Newport River SAC is approximately 17km north from the scheme, but no hydrological connection link exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 18km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Newport River SAC is approximately 45km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 50km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Newport River SAC is approximately 7km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 15km west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Newport River SAC is approximately 12km north-east from the scheme, but no</p> | <p>Yes – from pollution and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Clew Bay Greenway Project works.</p> <p>Yes – from pollution, mortality, spread of invasives and disturbance effects on the Newport River SAC and from pollution and disturbance the Clew Bay Complex SAC if construction phase is concurrent with the Newport Regeneration Project works and during operation from habitat degradation and water table/availability on the Newport River SAC.</p> <p>Yes – from pollution and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Westport Library works and the Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands works.</p> <p>Yes – from pollution, and</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | N |

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| | | <p>hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to the scheme. This project is included in the Clew Bay Development Plan NIS which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Newport River SAC is approximately 55km north-east from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 40km north-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Newport River SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Newport River SAC is approximately 7km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Newport River SAC is approximately 75km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Newport River SAC is approximately 75km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Newport River SAC is approximately 75km north from the scheme. Clew Bay Complex SAC is approximately 65km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 65km or more distant, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Newport River SAC is approximately 85km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 70km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Newport River SAC is approximately 90km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Newport River SAC is approximately 65km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> | <p>disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the N5 Westport to Turlough works.</p> | | |

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| | | <p>Newport River SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasives and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Clew Bay Complex SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for the Newport Regeneration Project assumed as assessment not available at time of writing).</p> <p><u>Oranmore Railway Station</u></p> <p>Newport River SAC is approximately 75km north from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Newport River SAC and Clew Bay Complex SAC are approximately 55km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Newport River SAC is approximately 9km north from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>N5 Westport to Turlough</u></p> <p>Newport River SAC is approximately 9km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is 1km west from the scheme and is hydrologically linked via the Coolbarreen Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. (LSEs for the N5 Westport to Turlough scheme assumed as assessment not available at time of writing).</p> | | | |
| SAD-122 Increase SW abstraction from existing Lough Buffy. Option study area is hydrologically linked to the Lough Corrib SAC which is 650m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. During operation there is the potential for habitat degradation, reduced flow, and water availability from the planned SW abstraction. Option study area is hydrologically linked to the Lough Corrib SPA which is 3.7km away. During construction there is the potential for the disturbance to QI birds. No operational impacts predicted Option study area is within the Zone of Influence of the Inner Galway Bay SPA which is 18.3km away. During construction there is the potential for the disturbance to QI birds. No operational impacts predicted. | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Lough Corrib SAC is approximately 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 12km south-west from the scheme and is hydrologically linked via the Clarinbridge Stream. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for Athenry Regeneration and Bia Innovator scheme assumed as assessment not available at time of writing).</p> <p><u>Ballinrobe Regeneration</u></p> <p>Lough Corrib SAC is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Corrib SPA is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Inner Galway Bay SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Lough Corrib SAC is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts</p> | <p>Yes – from disturbance effects on the Inner Galway Bay SPA if construction phase is concurrent with the Athenry regeneration/Bia Innovator works.</p> <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Ballyhaunis Community Vision works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution on the Lough Corrib SAC if construction phase is concurrent with the Dunmore Regeneration works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | N |

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| | | <p>are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Corrib SPA is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Inner Galway Bay SPA is approximately 55km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Corrib SAC is approximately 7km south from the scheme and is hydrologically linked via the Dalgan River. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for the Ballyhaunis scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 50km south-west from the scheme and is hydrologically linked via the Dalgan River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Inner Galway Bay SPA is approximately 55km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 35km south from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 70km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 70km south-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km east from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 65km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for the Dunmore Regeneration scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 35km south-west from the scheme and is hydrologically linked via the Sinking River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Inner Galway Bay SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Lough Corrib SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes</p> | <p>Yes – from pollution on the Lough Corrib SAC and from disturbance effects on the Lough Corrib SPA and the Inner Galway Bay SPA if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUIG Learning Commons works, the Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution on the Lough Corrib SAC and from disturbance effects on the Lough Corrib SPA and the Inner Galway Bay SPA if construction phase is concurrent with the Galway City Ring Road works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from pollution on the Lough Corrib SAC and from disturbance effects on the Lough Corrib SPA and the Inner Galway Bay SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works and during operation from habitat degradation on the Lough Corrib SAC.</p> <p>Yes – from disturbance effects on the Inner Galway Bay SPA if construction phase is concurrent with the Kinvara Boardwalk and Walkway works.</p> | | |

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| | | <p>to water table/availability. Lough Corrib SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from and disturbance during construction. Inner Galway Bay SPA is adjacent to these schemes and hydrologically connected via the Corrib River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Galway City Ring Road</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Inner Galway Bay SPA is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Lough Corrib SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, spread of invasive species and disturbance as LSEs for this European site. There is the potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Inner Galway Bay SPA is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified habitat loss, pollution, mortality, spread of invasives and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Lough Corrib SAC is 5km from the scheme and no hydrological connection exists. Lough Corrib SPA is 7km from the scheme and no hydrological connection exists. Inner Galway Bay SPA is 800m from the scheme and no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the scheme is located in a pre-existing road and these European sites are not hydrologically connected, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 40km north-east from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 30km east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Lough Corrib is approximately 15km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the Kinvara Boardwalk and Walkway scheme assumed as assessment not available at time of writing).</p> <p><u>N59 Moycullen Bypass</u></p> <p>Lough Corrib SAC is adjacent to the scheme. No NIS available so it is assumed there</p> | <p>Yes – from pollution on the Lough Corrib SAC and from disturbance effects on the Lough Corrib SPA and the Inner Galway Bay SPA if construction phase is concurrent with the N59 Moycullen Bypass works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> <p>Yes – from disturbance effects on the Inner Galway Bay SPA if construction phase is concurrent with the Oranmore Railway Station works.</p> <p>Yes – from pollution effects on the Lough Corrib SAC if construction phase is concurrent with the Tuam Community Nursing Unit works, and the Tuam Regeneration Strategy works and during operation from habitat degradation and water table/availability on the Lough Corrib SAC.</p> | | |

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| | | <p>is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Lough Corrib SPA is 2km east from the scheme and hydrologically connected via the Ballycurke Lough Stream. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. Inner Galway Bay SPA is 7km south from the scheme and hydrologically connected via Lough Corrib. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the N59 Moycullen Bypass scheme assumed as assessment not available at time of writing).</p> <p><u>Newport Regeneration Project</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 40km south from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 75km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 9km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Inner Galway Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the Oranmore Railway Station scheme assumed as assessment not available at time of writing).</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Lough Corrib SAC is approximately 2km west from these schemes and is hydrologically linked via the Tuam stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 20km south-west from these schemes and is hydrologically linked via the Clare River. However, given the distance there is no potential for in-combination impacts from disturbance. Inner Galway Bay SPA is 30km south-west from the scheme and hydrologically connected via Lough Corrib. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 65km south-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Lough Corrib SAC and Lough Corrib SPA are approximately 30km south from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 65km south from the scheme and therefore no in-combination effects predicted.</p> | | | |
| SAD-158 Raise existing dam height and new impoundment on the other side of the lake. Increase SW abstraction from existing Lake Coolacknick impoundment and WTP upgrade. European site is within Zone of Influence of the study area. Option study area is within the Zone of | • Disturbance | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 60km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> | No | N/A | N |

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| Influence of the High Island, Inishshark and Davillaun SPA which is 8.2km away. During construction there is the potential for the disturbance to QI birds. No operational impacts predicted. | | <p>High Island, Inishshark and Davillaun SPA is approximately 55km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 60km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 35km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 16km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme. Cruagh Island SPA is approximately 80km north-west from these schemes.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> | | | |

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| | | <p>High Island, Inishshark and Davillaun SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 85km west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 45km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> | | | |
| <p>SAD-541 (TG1-SAD-195, TG1-SAD-196)</p> <p>New SW abstraction from Lough Skannive, upgrade existing WTP and upgrade existing Carna Kilkieran WTP. Rationalise to Carna Kilkieran.</p> <p>Option study area for a new watermains is within Cregduff Lough SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. No operational effects predicted.</p> <p>Option study area for a new watermains is within the Slyne Head Peninsula SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is potential for disturbance to QI species. No operational effects predicted.</p> <p>Option study area is adjacent to and hydrologically linked to the Connemara Bog Complex SAC. During construction there is potential for the loss and pollution of QI habitats and supporting habitats. There is a risk of mortality to QI species and their prey as a result of this loss and pollution. There is potential for disturbance to QI species including otter. No operational effects are predicted.</p> <p>The option study area is hydrologically linked to the Kilkieran Bay and Islands SAC which is 670m away. During construction there is potential for pollution of QI habitats and supporting habitats. There is potential for disturbance to QI species including otter. There is also a potential for the spread of invasives. During operation there is the potential for habitat degradation and a reduction in water availability/ flow.</p> <p>Option study area is adjacent to the Connemara Bog Complex SPA. During construction there is the potential for the loss and pollution of protected and supporting</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Cregduff Lough SAC is approximately 80km west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 90km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 30km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 55km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 35km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> <p>Cregduff Lough SAC and Slyne Head Peninsula SAC, are approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 25km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 30km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Cregduff Lough SAC and Slyne Head Peninsula SAC, are approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 55km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballyhaunis Community Vision</u></p> | <p>Yes – from pollution effects on the Slyne Head Peninsula SAC and from disturbance impacts on the Connemara Bog Complex SPA if construction phase is concurrent with the Clifden Town Centre works and the St Annes Community Nursing Unit works.</p> <p>Yes –from disturbance impacts on the Connemara Bog Complex SPA if construction phase is concurrent with the N59 Moycullen Bypass works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | N |

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| <p>habitats. There is also the potential for disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is in close proximity to the Slyne Head to Ardmore Point Islands SPA which is 670m away. During construction there is the potential for disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is in the Zone of Influence of the Cruagh Island SPA which is 12.5m away. During construction there is the potential for disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is in the Zone of Influence of the High Island, Inishshark and Davillaun SPA which is 16.7m away. During construction there is the potential for disturbance to QI birds. No operational effects predicted.</p> | | <p>Cregduff Lough SAC is approximately 85km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 90km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 70km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 95km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Cregduff Lough SAC and Slyne Head Peninsula SAC are approximately 65km south-west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 60km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Cregduff Lough SAC and Slyne Head Peninsula SAC are approximately 45km south from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 35km south from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 35km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 35km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Cregduff Lough SAC is approximately 12km south from these schemes, but no hydrological link exists and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 2km south from these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. Connemara Bog Complex SAC is 600m from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 20km south-east from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 2km south-east from these schemes, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Slyne Head to Ardmore</p> | | | |

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| | | <p>Point Islands SPA is approximately 8km south from these schemes but given the urban location of the works no in-combination effects predicted. Cruagh Island SPA is approximately 12km north-west from these schemes but given the urban location of the works no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 16km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Cregduff Lough SAC is approximately 80km west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 85km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 90km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Cregduff Lough SAC is approximately 60km west from these schemes and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 70km west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 12km west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 17km west from these schemes, but no hydrological connection exists. Given the location of these schemes within Galway it is not likely for there to be in-combination effects from disturbance to protected bird species. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Galway City Ring Road</u></p> <p>Cregduff Lough SAC is approximately 60km west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 70km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 12km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 17km west from the scheme, but no hydrological connection exists. Given the location of the scheme within Galway it is not likely for there to be in-combination effects from disturbance to protected bird species. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these</p> | | | |

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| | | <p>schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Cregduff Lough SAC is approximately 60km west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 70km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 12km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 17km west from the scheme, but no hydrological connection exists. Given the location of the scheme within Galway it is not likely for there to be in-combination effects from disturbance to protected bird species. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Cregduff Lough SAC is approximately 60km west from the scheme. Slyne Head Peninsula SAC is approximately 70km west from the scheme. Connemara Bog Complex SAC is approximately 12km west from the scheme, but no hydrological connection exists. Kilkieran Bay and Islands SAC is approximately 35km west from the scheme. Connemara Bog Complex SPA is approximately 17km west from the scheme, but no hydrological connection exists. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes. Cruagh Island SPA is approximately 80km north-west from these schemes. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 12km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Cregduff Lough SAC is approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 40km north-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 17km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 8km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 40km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Cregduff Lough SAC is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 25km north-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km north-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is</p> | | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Cregduff Lough SAC is approximately 50km west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 60km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 3km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 25km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 10km west from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the N59 Moycullen Bypass scheme assumed as assessment not available at time of writing). Slyne Head to Ardmore Point Islands SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Newport Regeneration Project</u></p> <p>Cregduff Lough SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 45km south from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 55km south from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 45km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Cregduff Lough SAC is approximately 60km west from the scheme and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately 70km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 20km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 40km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 25km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Cregduff Lough SAC is approximately 70km west from these schemes and therefore no in-combination effects predicted. Slyne Head Peninsula SAC is approximately</p> | | | |

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| | | <p>80km west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 35km south-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 50km south-west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 90km west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km west from these schemes and therefore no in-combination effects predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Cregduff Lough SAC and Slyne Head Peninsula SAC are approximately 50km south-west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 40km south from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Cregduff Lough SAC and Slyne Head Peninsula SAC are approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SAC is approximately 40km south from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south from the scheme and therefore no in-combination effects. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted.</p> | | | |
| <p>SAD-543 (TG1-SAD-199, TG1-SAD-200, TG1-SAD-201, TG1-SAD-202)</p> <p>Increase existing SW abstraction from Lough Bouliska and connect with neighboring WRZs. Rationalise Carraroe to Spiddal (Lough Bouliska). Rationalise Rosmuc to Spiddal (Lough Bouliska). Rationalise to Spiddal (Lough Bouliska)</p> <p>Option study area is within the Connemara Bog Complex SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is a risk of mortality of QI species and their prey as a result of this loss and pollution. There is potential for disturbance to QI</p> | <ul style="list-style-type: none"> Habitat loss Mortality risk Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Connemara Bog Complex SAC is approximately 30km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 55km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 35km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 12km south-west from the scheme and is hydrologically linked via the Clarinbridge Stream. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for Athenry Regeneration and Bia Innovator scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 20km west from the scheme and therefore no in-combination effects predicted.</p> | <p>Yes – from disturbance effects on the Inner Galway Bay SPA if construction phase is concurrent with the Athenry regeneration/Bia Innovator works.</p> <p>Yes – from disturbance impacts on the Connemara Bog Complex SPA if construction phase is concurrent with the Clifden Town Centre works and the St Annes Community Nursing Unit works.</p> <p>Yes – from disturbance effects on</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| <p>species including otter. There is also the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in water availability/ flow.</p> <p>Option study area is within the Kilkieran Bay and Islands SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is a risk of mortality of QI species and their prey as a result of this loss and pollution. There is potential for disturbance to QI species including otter. There is also the potential for the spread of invasive species within the SAC. No operational effects predicted.</p> <p>Option study area is adjacent to the Connemara Bog Complex SPA. During construction there is the potential for the loss and pollution of protected and supporting habitats. There is also the potential for disturbance to QI birds. No operational effects predicted.</p> <p>Option study is within the Zone of Influence of the Slyne Head to Ardmore Point Islands SPA which is 7km away. During construction there is the potential for disturbance to QI birds. No operational impacts predicted.</p> <p>Option study is within the Zone of Influence of the Inner Galway Bay SPA which is 11.7km away. During construction there is the potential for disturbance to QI birds. No operational impacts predicted.</p> <p>Option study is within the Zone of Influence of the Lough Corrib SPA which is 13km away. During construction there is the potential for disturbance to QI birds. No operational impacts predicted.</p> | | <p><u>Ballinrobe Regeneration</u> Connemara Bog Complex SAC is approximately 25km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 30km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u> Connemara Bog Complex SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 55km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballyhaunis Community Vision</u> Connemara Bog Complex SAC is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 70km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 95km south-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 55km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 50km south-west from the scheme and is hydrologically linked via the Dalgan River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u> Connemara Bog Complex SAC is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 60km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 70km south from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u> Connemara Bog Complex SAC is approximately 35km south from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is</p> | <p>the Lough Corrib SPA and the Inner Galway Bay SPA if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUIG Learning Commons works, the Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA and the Inner Galway Bay SPA if construction phase is concurrent with the Galway City Ring Road works.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA and the Inner Galway Bay SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works.</p> <p>Yes – from disturbance effects on the Inner Galway Bay SPA if construction phase is concurrent with the Kinvara Boardwalk and Walkway works.</p> <p>Yes – from disturbance impacts on the Connemara Bog Complex SPA, Lough Corrib SPA and Inner Galway Bay SPA if construction phase is concurrent with the N59 Moycullen Bypass works.</p> <p>Yes – from disturbance effects on the Inner Galway Bay SPA if construction phase is concurrent with the Oranmore Railway</p> | | |

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| | | <p>approximately 45km south from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 35km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 70km south-east from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Connemara Bog Complex SAC is 600m from to these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 20km south-east from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 2km south-east from these schemes, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Slyne Head to Ardmore Point Islands SPA is approximately 8km south from these schemes but given the urban location of the works no in-combination effects predicted. Inner Galway Bay SPA is approximately 65km south-east from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Connemara Bog Complex SAC is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 90km south-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south-west from the scheme and is hydrologically linked via the Sinking River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Connemara Bog Complex SAC is approximately 12km west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 17km west from these schemes, but no hydrological connection exists. Given the location of these schemes within Galway it is not likely for there to be in-combination effects from disturbance to protected bird species. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is adjacent to these schemes and hydrologically connected via the Corrib River. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. Lough Corrib SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. In-combination effects during operation may result in</p> | Station works. | | |

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| | | <p>habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Galway City Ring Road</u></p> <p>Connemara Bog Complex SAC is approximately 12km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 17km west from the scheme, but no hydrological connection exists. Given the location of the scheme within Galway it is not likely for there to be in-combination effects from disturbance to protected bird species. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Connemara Bog Complex SAC is approximately 12km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 35km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 17km west from the scheme, but no hydrological connection exists. Given the location of the scheme within Galway it is not likely for there to be in-combination effects from disturbance to protected bird species. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is adjacent to the scheme and hydrologically connected via the Corrib River. NIS available which identified habitat loss, pollution, mortality, spread of invasives and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Connemara Bog Complex SAC is approximately 12km west from the scheme, but no hydrological connection exists. Kilkieran Bay and Islands SAC is approximately 35km west from the scheme. Connemara Bog Complex SPA is approximately 17km west from the scheme, but no hydrological connection exists. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes. Inner Galway Bay SPA is 800m from the scheme and no hydrological connection exists. Lough Corrib SPA is 7km from the scheme and no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the scheme is located in a pre-existing road in an urban environment and these European sites are not hydrologically connected, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Connemara Bog Complex SAC is approximately 17km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 8km north from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 40km north-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 30km east</p> | | | |

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| | | <p>from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 40km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Connemara Bog Complex SAC is approximately 25km north-west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km north-west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the Kinvara Boardwalk and Walkway scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Connemara Bog Complex SAC is approximately 3km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 25km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 10km west from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. Slyne Head to Ardmore Point Islands SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is 7km south from the scheme and hydrologically connected via Lough Corrib. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. Lough Corrib SPA is 2km east from the scheme and hydrologically connected via the Ballycurke Lough Stream. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the N59 Moycullen Bypass scheme assumed as assessment not available at time of writing).</p> <p><u>Newport Regeneration Project</u></p> <p>Connemara Bog Complex SAC is approximately 45km south from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 55km south from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 45km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 75km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Connemara Bog Complex SAC is approximately 20km west from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 40km west from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 25km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Inner Galway Bay SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for the Oranmore Railway Station scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 9km north-west from the scheme, but no hydrological connection exists</p> | | | |

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| | | <p>and therefore no in-combination effects are predicted.</p> <p><u>Tuam Community Nursing Unit</u>; and <u>Tuam Regeneration Strategy</u></p> <p>Connemara Bog Complex SAC is approximately 35km south-west from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 50km south-west from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km south-west from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is 30km south-west from the scheme and hydrologically connected via Lough Corrib. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Corrib SPA is approximately 20km south-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Libraries Capital Programme - Westport Library</u>; and <u>Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Connemara Bog Complex SAC is approximately 40km south from these schemes and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south from these schemes and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 65km south-east from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Connemara Bog Complex SAC is approximately 40km south from the scheme and therefore no in-combination effects predicted. Kilkieran Bay and Islands SAC is approximately 45km south from the scheme and therefore no in-combination effects predicted. Connemara Bog Complex SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Inner Galway Bay SPA is approximately 65km south from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> | | | |
| <p>SAD-545 (TG1-SAD-209, TG1-SAD-210, TG1-SAD-211)</p> <p>New Connemara RWSS (Kylemore Lough). Option study area is within the Maumturk Mountains SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. There is a risk of mortality of QI species and their prey as a result of this loss and pollution. There is potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. No operational effects predicted.</p> <p>Option study area is within The Twelve Bens/Garraun Complex SAC. And is within an FWPM catchment area. During construction there is the potential for habitat</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u></p> <p>Maumturk Mountains SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Illiaunnanoon SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u></p> | <p>Yes – from disturbance effects on the Lough Mask SPA if construction phase is concurrent with the Ballinrobe Regeneration works.</p> <p>Yes – from disturbance effects on the Lough Mask SPA if construction phase is concurrent with the Ballintubber Abbey Culture and Heritage Visitor Centre works.</p> <p>Yes – from disturbance effects to the West Connacht Coast SAC if construction phase is concurrent with the Clew Bay Greenway</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| <p>loss and pollution. As a result of this loss and pollution there is a risk of mortality to QI species, including the smothering of FWPM, and their prey. There is a risk of disturbance to QI species in particular FWPM and otter. There is also the risk of the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in water availability/ flow.</p> <p>Option study area is adjacent to the West Connacht Coast SAC which is 45m away. During construction there is the potential for disturbance to QI species. No operational effects predicted.</p> <p>Option study area is adjacent to the Illaunnoon SPA which is 770m away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the Cruagh Island SPA which is 5.9km away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the High Island, Inishshark and Davillaun SPA which is 8.5km away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the Lough Mask SPA which is 12.1km away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the Slyne Head to Ardmore Point Islands SPA which is 13km away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted.</p> <p>Option study area is within the Zone of Influence of the Lough Corrib SPA which is 13.5km away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted.</p> | | <p>Maumturk Mountains SAC is approximately 25km south-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 45km west from the scheme and therefore no in-combination effects predicted. Illaunnoon SPA is approximately 50km west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 4km west from the scheme and is hydrologically connected via the Robe Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballinrobe Regeneration scheme assumed as assessment not available at time of writing). Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u></p> <p>Maumturk Mountains SAC is approximately 30km south-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 40km south-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 30km west from the scheme and therefore no in-combination effects predicted. Illaunnoon SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 55km south-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 300m south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballintubber Abbey scheme assumed as assessment not available at time of writing). Slyne Head to Ardmore Point Islands SPA is approximately 65km south-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Maumturk Mountains SAC is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 70km south-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 65km west from the scheme and therefore no in-combination effects predicted. Illaunnoon SPA is approximately 85km west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 30km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 95km south-west from the</p> | <p>Project: Belcare to Murrisk works.</p> <p>Yes – from pollution, mortality, disturbance and spread of invasive species effects to The Twelve Bens/Garraun Complex SAC if construction phase is concurrent with the Clifden Town Centre works and the St Annes Community Nursing Unit works and during operation from habitat degradation and water table/availability on The Twelve Bens/Garraun Complex SAC.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUIG Learning Commons works, the Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Galway City Ring Road works.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works.</p> <p>Yes – from disturbance impacts on the Lough Corrib SPA if construction phase is concurrent with the N59 Moycullen Bypass works.</p> | | |

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| | | <p>scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 50km south-west from the scheme and is hydrologically linked via the Dalgan River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Maumturk Mountains SAC is approximately 40km south-west from these schemes and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 40km south-west from these schemes and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 30km south-west from these schemes and therefore no in-combination effects predicted. IIIaunnanoon SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km south-west from these schemes and therefore no in-combination effects predicted. Lough Mask SPA is approximately 11km south from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km south-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Maumturk Mountains SAC is approximately 20km south from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 10km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. West Connacht Coast SAC is approximately 10km west from the scheme and is hydrologically linked via a number of streams running into Clew Bay. This project is included in the Clew Bay Development Plan NIS which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. IIIaunnanoon SPA is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 35km south-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 20km south-east from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 50km south-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Maumturk Mountains SAC is approximately 18km east from these schemes, however they are upstream of this scheme so no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is adjacent to these schemes and is hydrologically linked upstream via the Owenglin River. No NIS available so it is assumed there is potential for in-combination effects from pollution, mortality, spread of invasives and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. (LSEs for these schemes assumed as assessment not available at time of writing). West Connacht Coast SAC is approximately 5km west from these schemes and is hydrologically linked via the Owenglin River. However, no in-combination effects are predicted from disturbance given the works are on land and the site is designated for dolphin species. IIIaunnanoon SPA is approximately 8km north from these schemes, but no hydrological connection exists and therefore no in-combination effects</p> | <p>Yes –from disturbance impacts on the Lough Mask SPA if construction phase is concurrent with the N5 Westport to Turlough works.</p> | | |

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| | | <p>predicted. Cruagh Island SPA is approximately 12km north-west from these schemes but given the urban location of the works no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 16km north-west from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Lough Mask SPA is approximately 35km east from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 8km south from these schemes but given the urban location of the works no in-combination effects predicted. Lough Corrib SPA is approximately 30km east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Maumturk Mountains SAC is approximately 50km west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 65km west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km west from the scheme and therefore no in-combination effects predicted. Illauannanoon SPA is approximately 80km west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 100km west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 90km west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 30km west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 90km south-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south-west from the scheme and is hydrologically linked via the Sinking River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Maumturk Mountains SAC is approximately 35km north-west from these schemes and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from these schemes and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km north-west from these schemes and therefore no in-combination effects predicted. Illauannanoon SPA is approximately 70km north-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. Lough Mask SPA is approximately 35km north-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Galway City Ring Road</u></p> <p>Maumturk Mountains SAC is approximately 35km north-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km</p> | | | |

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| | | <p>north-west from the scheme and therefore no in-combination effects predicted. Illaunnanoon SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 35km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Maumturk Mountains SAC is approximately 35km north-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Illaunnanoon SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 80km north-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 35km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Maumturk Mountains SAC is approximately 35km north-west from the scheme. The Twelve Bens/Garraun Complex SAC is approximately 50km north-west from the scheme. West Connacht Coast SAC is approximately 75km north-west from the scheme. Illaunnanoon SPA is approximately 70km north-west from the scheme. Cruagh Island SPA is approximately 80km north-west from these schemes. High Island, Inishshark and Davillaun SPA is approximately 80km north-west from the scheme. Lough Mask SPA is approximately 35km north-west from the scheme. Slyne Head to Ardmore Point Islands SPA is approximately 65km north-west from these schemes. Lough Corrib SPA is 7km from the scheme and no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the scheme is located in a pre-existing road in an urban environment and these European sites are not hydrologically connected, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Maumturk Mountains SAC is approximately 35km north from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 40km north from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Illaunnanoon SPA is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 50km north-east from the scheme and therefore no in-combination effects predicted. Slyne Head</p> | | | |

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| | | <p>to Ardmore Point Islands SPA is approximately 40km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 40km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Maumturk Mountains SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Illaunnanoon SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 95km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Maumturk Mountains SAC is approximately 25km north-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 40km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Illaunnanoon SPA is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 25km north-west from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is 2km east from the scheme and hydrologically connected via the Ballycuirke Lough Stream. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the N59 Moycullen Bypass scheme assumed as assessment not available at time of writing).</p> <p><u>Newport Regeneration Project</u></p> <p>Maumturk Mountains SAC is approximately 35km south from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 20km south from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 18km south-west from the scheme and is hydrologically linked via Clew Bay. In-combination impacts are not predicted as the coastal currents of the hydrological link would act as a barrier to the effects on this European site. Illaunnanoon SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 20km south-east from the scheme and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 60km south-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> | | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Oranmore Railway Station</u></p> <p>Maumturk Mountains SAC is approximately 35km north-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 60km north-west from the scheme and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 80km north-west from the scheme and therefore no in-combination effects predicted. Illaunnanoon SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 40km north-west from the scheme and therefore no in-combination effects are predicted. Slyne Head to Ardmore Point Islands SPA is approximately 70km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 9km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Maumturk Mountains SAC is approximately 40km west from these schemes and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 60km west from these schemes and therefore no in-combination effects predicted. West Connacht Coast SAC is approximately 70km west from these schemes and therefore no in-combination effects predicted. Illaunnanoon SPA is approximately 75km west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 90km west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 85km west from these schemes and therefore no in-combination effects predicted. Lough Mask SPA is approximately 30km north-west from these schemes and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 80km south-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km south-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Maumturk Mountains SAC is approximately 25km south-west from these schemes and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex SAC is approximately 12km south-west from these schemes, but no hydrological connection exists and therefore no in-combination predicted. West Connacht Coast SAC is approximately 16km west from these schemes and is hydrologically linked via Clew Bay. However, no in-combination effects are predicted from disturbance given the works are on land and the site is designated for dolphin species. Illaunnanoon SPA is approximately 45km south-west from these schemes and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from these schemes and therefore no in-combination effects predicted. Lough Mask SPA is approximately 17km south-east from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Maumturk Mountains SAC is approximately 25km south-west from the scheme and therefore no in-combination effects predicted. The Twelve Bens/Garraun Complex</p> | | | |

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| | | <p>SAC is approximately 12km south-west from the scheme, but no hydrological connection exists and therefore no in-combination predicted. West Connacht Coast SAC is approximately 16km west from the scheme and is hydrologically linked via Clew Bay. However, no in-combination effects are predicted from disturbance given the works are on land and the site is designated for dolphin species. Illaunnaoon SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Cruagh Island SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. High Island, Inishshark and Davillaun SPA is approximately 45km south-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 9km south from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the N5 scheme assumed as assessment not available at time of writing). Slyne Head to Ardmore Point Islands SPA is approximately 55km south-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> | | | |
| SAD-548 (TG1-SAD-217, TG1-SAD-218) Rationalise Louisburgh via new Community/GWS being developed to take water from Westport to Murrisk. Increase SW abstraction from existing Lough Mask and upgrade Tourmakeady WTP Option study area is within and hydrologically linked to the Lough Carra/Mask Complex SAC . During construction there is the potential for the pollution of QI habitats and supporting habitats. There is potential for disturbance to QI species such as otter. There is also the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation, reduced flow, and water availability. Option study area is adjacent and hydrologically linked to the Clew Bay Complex SAC which is 45m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species such as otter. There is also the potential for the spread of invasives within the SAC. No operational effects predicted. Option study area is within and hydrologically linked to the Lough Mask SPA . During construction there is the potential for the pollution of protected and supporting habitats. There is also the potential for disturbance to QI birds. During operation there is the potential for habitat degradation and a reduction in water availability/ flow. Option study area is within the Zone of Influence of the Lough Corrib SPA which is 16.3km away. During construction there is the potential for the disturbance to QI birds. No operational effects predicted. | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>Athenry regeneration/Bia Innovator</u> Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 75km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km west from the scheme and therefore no in-combination effects predicted.</p> <p><u>Ballinrobe Regeneration</u> Lough Carra/Mask Complex SAC is approximately 4km west from the scheme and is hydrologically connected via the Robe Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Clew Bay Complex SAC is approximately 30km north-west from the scheme and therefore no in-combination effects predicted. Lough Mask SPA is approximately 4km west from the scheme and is hydrologically connected via the Robe Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballinrobe Regeneration scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 10km south from the scheme, however the hydrological link via Lough Mask is approximately 20km long. In-combination impacts are not predicted as Lough Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballintubber Abbey Culture and Heritage Visitor Centre</u> Lough Carra/Mask Complex SAC is approximately 300m south from the scheme and is close to a hydrological link to this European site. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasive species and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Clew Bay Complex SAC is approximately 18km west from the scheme, but no hydrological connection exists and therefore no in-combination effects predicted. Lough Mask SPA is approximately 300m south from the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, and disturbance during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability (LSEs for the Ballintubber Abbey scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 25km south from the scheme, however the hydrological link via Lough Mask is approximately 30km long. In-combination impacts are not predicted as Lough</p> | <p>Yes – from pollution effects on the Lough Carra/Mask Complex SAC and from pollution and disturbance effects on the Lough Mask SPA if construction phase is concurrent with the Ballinrobe Regeneration works and during operation from habitat degradation and water table/availability on the Lough Carra/Mask Complex SAC and the Lough Mask SPA.</p> <p>Yes – from pollution, spread of invasive non-native species and disturbance effects on the Lough Carra/Mask Complex SAC and pollution and disturbance effects on the Lough Mask SPA if construction phase is concurrent with the Ballintubber Abbey Culture and Heritage Visitor Centre works and during operation from habitat degradation and water table/availability on the Lough Carra/Mask Complex SAC and the Lough Mask SPA.</p> <p>Yes – from pollution and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Clew Bay Greenway Project works.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Cycling and Walking Scheme works, the new GMIT</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites either alone or in-combination with other plans or projects.</p> | N |

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| | | <p>Mask and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Ballyhaunis Community Vision</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 30km west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 50km west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 50km south-west from the scheme and is hydrologically linked via the Dalgan River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castlebar Historic Core; Castlebar Urban Greenway Link; and Mayo University Hospital Emergency Department and Medical Assessment Unit</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 11km south from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Clew Bay Complex SAC is approximately 15km west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>Clew Bay Greenway Project: Belcare to Murrisk</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 20km south-east from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to the scheme. This project is included in the Clew Bay Development Plan NIS which identified pollution, disturbance and hydrological changes as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Lough Corrib SPA is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Clifden Town Centre; and St Annes Community Nursing Unit, Clifden.</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 35km east from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 40km north-east from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 30km east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Dunmore Regeneration</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 30km west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 40km north-east from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 35km south-west from the scheme and is hydrologically linked via the Sinking River. However, in-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Cycling and Walking Scheme; Galway MIT new STEM building; Merlin Park University Hospital New Theatre Block; Merlin Park Hospital New Units 5 and 6; NUI Galway New Learning Commons; Nun's Island master planning; Regeneration of Galway City Inner Harbour; Transport Connectivity Project; University College Hospital Galway Emergency Department and Ward Block; and University College Hospital Galway New Radiation Oncology Unit</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 35km north-west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as</p> | <p>STEM building works, the new Merlin Park University Hospital Theatre Block works, the new Merlin Park Hospital Units 5 and 6 works, the new NUIG Learning Commons works, the Nun's Island master plan works, the Regeneration of Galway City Inner Harbour works, the Transport Connectivity Project works, the University College Hospital Galway Emergency Department and Ward Block works, and the University College Hospital Galway New Radiation Oncology Unit works.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Galway City Ring Road works.</p> <p>Yes – from disturbance effects on the Lough Corrib SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works.</p> <p>Yes – from disturbance impacts on the Lough Corrib SPA if construction phase is concurrent with the N59 Moycullen Bypass works.</p> <p>Yes – from pollution, spread of invasive species and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Newport Regeneration Project works.</p> <p>Yes – from pollution, spread of invasive species and disturbance effects on the Clew Bay Complex SAC if construction phase is concurrent with the Westport Library works and the Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands works.</p> <p>Yes – from pollution, spread of invasive species and disturbance</p> | | |

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| | | <p>assessment not available at time of writing).</p> <p><u>Galway City Ring Road</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 35km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 35km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is adjacent to the scheme. NIS available which identified pollution and disturbance as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 35km north-west from the scheme. Clew Bay Complex SAC is approximately 65km north-west from the scheme. Lough Corrib SPA is 7km from the scheme and no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the scheme is located in a pre-existing road in an urban environment and these European sites are not hydrologically connected, no in-combination effects are possible.</p> <p><u>Áras Ronáin Community Nursing Unit, Aran Islands.</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 50km north-east from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 70km north from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 40km north-east from the scheme and therefore no in-combination effects predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 50km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 85km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 25km north-west from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is 2km east from the scheme and hydrologically connected via the Ballycurke Lough Stream. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the N59 Moycullen Bypass scheme assumed as assessment not available at time of writing).</p> <p><u>Newport Regeneration Project</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 20km south-east from the scheme and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasives and disturbance during construction. (LSEs for the Newport Regeneration Project assumed as assessment not available at time of writing). Lough Corrib SPA is</p> | <p>effects on the Clew Bay Complex SAC and from disturbance effects on the Lough Mask SPA if construction phase is concurrent with the N5 Westport to Turlough works.</p> | | |

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| | | <p>approximately 40km south from the scheme and therefore no in-combination effects predicted.</p> <p><u>Oranmore Railway Station</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 40km north-west from the scheme and therefore no in-combination effects are predicted. Clew Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 9km north-west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Tuam Community Nursing Unit; and Tuam Regeneration Strategy</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 30km north-west from these schemes and therefore no in-combination effects predicted. Clew Bay Complex SAC is approximately 55km north-west from these schemes and therefore no in-combination effects predicted. Lough Corrib SPA is approximately 20km south-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Libraries Capital Programme - Westport Library; and Phase 1 Regeneration of Sisters of Mercy Convent Site and Adjacent Lands, Westport</u></p> <p>Lough Carra/Mask Complex SAC and Lough Mask SPA are approximately 17km south-east from these schemes, but no hydrological connection exists and therefore no in-combination effects predicted. Clew Bay Complex SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasives and disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 30km south from these schemes and therefore no in-combination effects predicted.</p> <p><u>N5 Westport to Turlough</u></p> <p>Lough Carra/Mask Complex SAC is approximately 9km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Clew Bay Complex SAC is 1km west from the scheme and is hydrologically linked via the Coolbarreen Stream. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasives and disturbance during construction. Lough Mask SPA is approximately 9km south from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction. (LSEs for the N5 scheme assumed as assessment not available at time of writing). Lough Corrib SPA is approximately 30km south from the scheme and therefore no in-combination effects predicted.</p> | | | |
| All Preferred Options | <ul style="list-style-type: none"> Habitat loss Mortality risk Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>All Preferred Options</u></p> <p>Option SAD-033 is the only option within SAD with potential for effects on Ballymaglancy Cave, Cong SAC. Therefore, there is no potential for in-combination effects to these European sites.</p> <p>There is potential for in-combination effects from the projects within SAD to Clew Bay Complex SAC given that options SAD-055, SAD-111, SAD-117a and SAD-548 have the potential for effects. Potential for in-combination effects from spread of invasive non-native species (SAD-111 and SAD-548), disturbance and pollution during construction (SAD-111, SAD-117a and SAD-548).</p> <p>There is potential for in-combination effects from the projects within SAD to Connemara Bog Complex SAC given that options SAD-541 and SAD-543 have the potential for effects. Potential for in-combination effects from habitat loss, mortality, disturbance and pollution during construction.</p> <p>Option SAD-541 is the only option within SAD with potential for effects on Cregduff Lough SAC. Therefore, there is no potential for in-combination effects to this</p> | <p>Yes – from spread of invasive non-native species, disturbance and pollution effects on Clew Bay Complex SAC if construction of options is concurrent.</p> <p>Yes – from habitat loss, mortality, disturbance and pollution effects on Connemara Bog Complex SAC if construction of options is concurrent.</p> <p>Yes – from the spread of invasive non-native species, disturbance and pollution effects on Kilkieran</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>Hydrogeological modelling as in Section 6.3.5</p> <p>Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination</p> | N |

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| Slyne Head Peninsula SAC, Slyne Head Islands SAC, The Twelve Bens/Garraun Complex SAC, West Connacht Coast SAC, Blacksod Bay/Broad Haven SPA, Clare Island SPA, Connemara Bog Complex SPA, Cregganna Marsh SPA, Cruagh Island SPA, High Island, Inishshark and Davillaun SPA, Inner Galway Bay SPA, Inishbofin, Omey Island and Turbot Island SPA, Illaunnanoon SPA, Inishmore SPA, Lough Corrib SPA, Lough Mask SPA, Owenduff/Nephin Complex SPA, Rahasane Turlough SPA, Slyne Head to Ardmore Point Islands SPA. | | <p>European site.</p> <p>Option SAD-055 is the only option within SAD with potential for effects on Duvillaun Islands SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-046a is the only option within SAD with potential for effects on Galway Bay Complex SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-055 is the only option within SAD with potential for effects on Inishbofin and Inishshark SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-055 is the only option within SAD with potential for effects on Inishkea Islands SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-058 is the only option within SAD with potential for effects on Inisheer Island SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-069 is the only option within SAD with potential for effects on Inishmaan Island SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-074 is the only option within SAD with potential for effects on Inishmore Island SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAD to Kilkieran Bay and Islands SAC given that options SAD-055, SAD-541 and SAD-543 have the potential for effects. Potential for in-combination effects from pollution, disturbance and spread of invasive species during construction (SAD-541 and SAD-543) and during operation from habitat degradation (SAD-055 and SAD-541).</p> <p>Option SAD-027 is the only option within SAD with potential for effects on Kingstown Bay SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAD to Lough Corrib SAC given that options SAD-033, SAD-040, SAD-046a, SAD-101 and SAD-122 have the potential for effects. Potential for in-combination effects from mortality (SAD-033, SAD-040, SAD-046a), spread of invasive non-native species (SAD-033, SAD-040 and SAD-046a), disturbance (SAD-033, SAD-040, SAD-046a and SAD-101) and pollution (all options) during construction and during operation from habitat degradation and water table/availability (all options).</p> <p>There is potential for in-combination effects from the projects within SAD to Lough Carra/Mask Complex SAC given that options SAD-033 and SAD-548 have the potential for effects. Potential for in-combination effects from spread of invasive non-native species, disturbance and pollution during construction.</p> <p>Option SAD-040 is the only option within SAD with potential for effects on Lough Lurgen Bog/Glenamaddy Turlough SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-545 is the only option within SAD with potential for effects on Maumturk Mountains SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-117a is the only option within SAD with potential for effects on Newport River SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-111 is the only option within SAD with potential for effects on Owenduff/Nephin Complex SAC. Therefore, there is no potential for in-combination effects to this European site.</p> | <p>Bay and Islands SAC if construction of options is concurrent and during operation from habitat degradation.</p> <p>Yes – from mortality, spread of invasive non-native species, disturbance and pollution effects on Lough Corrib SAC if construction of options is concurrent and during operation from habitat degradation and water table/availability.</p> <p>Yes – from spread of invasive non-native species, disturbance and pollution effects on Lough Carra/Mask Complex SAC if construction of options is concurrent.</p> <p>Yes – from mortality, spread of invasive non-native species, disturbance and pollution effects on The Twelve Bens/Garraun Complex SAC if construction of options is concurrent.</p> <p>Yes – from disturbance effects on West Connacht Coast SAC if construction of options is concurrent.</p> <p>Yes – from habitat loss, disturbance and pollution effects on Connemara Bog Complex SPA if construction of options is concurrent.</p> <p>Yes – from disturbance effects on Cruagh Island SPA if construction of options is concurrent.</p> <p>Yes – from disturbance effects on High Island, Inishshark and Davillaun SPA if construction of options is concurrent.</p> <p>Yes – from disturbance effects on Inner Galway Bay SPA if construction of options is concurrent.</p> | <p>with the other options.</p> | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Option SAD-541 is the only option within SAD with potential for effects on Slyne Head Peninsula SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-055 is the only option within SAD with potential for effects on Slyne Head Islands SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAD to The Twelve Bens/Garraun Complex SAC given that options SAD-027 and SAD-545 have the potential for effects. Potential for in-combination effects from mortality, spread of invasive non-native species, disturbance and pollution during construction.</p> <p>There is potential for in-combination effects from the projects within SAD to West Connacht Coast SAC given that options SAD-014, SAD-055 and SAD-545 have the potential for effects. Potential for in-combination effects from disturbance during construction.</p> <p>Option SAD-111 is the only option within SAD with potential for effects on Black sod Bay/Broad Haven SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-014 is the only option within SAD with potential for effects on Clare Island SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAD to Connemara Bog Complex SPA given that options SAD-541 and SAD-543 have the potential for effects. Potential for in-combination effects from habitat loss, pollution and disturbance during construction.</p> <p>Option SAD-046a is the only option within SAD with potential for effects to Cregganna Marsh SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAD to Cruagh Island SPA given that options SAD-027, SAD-055, SAD-541 and SAD-545 have the potential for effects. Potential for in-combination effects from disturbance during construction.</p> <p>There is potential for in-combination effects from the projects within SAD to High Island, Inishshark and Davillaun SPA given that options SAD-027, SAD-055, SAD-158, SAD-541 and SAD-545 have the potential for effects. Potential for in-combination effects from disturbance during construction.</p> <p>There is potential for in-combination effects from the projects within SAD to Inner Galway Bay SPA given that options SAD-046a, SAD-122, and SAD-543 have the potential for effects. Potential for in-combination effects from disturbance during construction.</p> <p>Option SAD-055 is the only option within SAD with potential for effects on Inishbofin, Omey Island and Turbot Island SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-545 is the only option within SAD with potential for effects on Iliaunnanoon SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-074 is the only option within SAD with potential for effects on Inishmore SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAD to Lough Corrib SPA given that options SAD-033, SAD-046a, SAD-122, SAD-543, SAD-545 and SAD-548 have the potential for effects. Potential for in-combination effects from disturbance (all options) and pollution (SAD-033 and SAD-46a) during construction and during operation from habitat degradation and water table/availability (SAD-033 and SAD-46a).</p> <p>There is potential for in-combination effects from the projects within SAD to Lough</p> | <p>concurrent.</p> <p>Yes – from disturbance and pollution effects on Lough Corrib SPA if construction of options is concurrent and during operation from habitat degradation and water table/availability.</p> <p>Yes – from disturbance and pollution effects on Lough Mask SPA if construction of options is concurrent.</p> <p>Yes – from disturbance effects on Slyne Head to Ardmore Point Islands SPA if construction of options is concurrent.</p> | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Mask SPA given that options SAD-033, SAD-545 and SAD-548 have the potential for effects. Potential for in-combination effects from disturbance (all options) and pollution (SAD-033 and SAD-548) during construction.</p> <p>Option SAD-111 is the only option within SAD with potential for effects on Owenduff/Nephin Complex SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAD-046a is the only option within SAD with potential for effects to Rahasane Turlough SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAD to Slyne Head to Ardmore Point Islands SPA given that options SAD-027, SAD-074, SAD-541, SAD-543 and SAD-545 have the potential for effects. Potential for in-combination effects from disturbance during construction.</p> | | | |

Note: Anywhere the Carlingford Lough SPA based in Northern Ireland is mentioned, both the Carlingford Lough SPA and the Carlingford Marine SPA are implied.

Table E5: SAE-Potential in-combination effects with other projects and options within SAE

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| STUDY AREA I | | | | | |
| <p>SAE-001</p> <p>Dependant on operational regime implementation, increase abstraction from the River Fane and upgrade existing WTP to meet critical peak demand.</p> <p>Supervisory Control and Data Acquisition (SCADA) and weir control system upgrade required.</p> <p>Option study area is hydrologically linked to the Dundalk Bay SAC which is 200m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational effects predicted.</p> <p>Option study area is hydrologically linked to the Dundalk Bay SPA which is 200m away. During construction there is the potential for disturbance to birds given the proximity of works. No operational effects predicted.</p> <p>Option study area is 700m from the Carlingford Lough SPA. During construction there is the potential for disturbance to birds given the proximity of works. No operational effects predicted.</p> <p>Option study area is 3.5km from the Carlingford Lough SPA (NI). During construction there is the potential for the disturbance to birds given the proximity of works. No operational effects predicted.</p> <p>Option study area is hydrologically linked to the Stabannan-Braganstown SPA which is 6km away. During construction there is the potential for the disturbance to birds given the proximity of works. No operational effects predicted.</p> | <ul style="list-style-type: none"> • Habitat degradation • Disturbance | <p><u>Ardee bypass</u></p> <p>Dundalk Bay SAC is approximately 13km east from the scheme, but the hydrological link via the River Dee is 25km long. Dundalk Bay SPA is approximately 13km east from the scheme, but the hydrological link via the River Dee is 25km long. Carlingford Lough SPA (NI) is approximately 35km north-east from the scheme. Carlingford Lough SPA (NI) is approximately 35km north-east from the scheme. Stabannan-Braganstown SPA is approximately 5km north-east from the scheme, but no hydrological link exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 5km or more distant, and the attenuation of the hydrological links would act as a barrier, no in-combination effects are possible.</p> <p><u>Ardee Regeneration; and St Joseph's Hospital, Ardee</u></p> <p>Dundalk Bay SAC is approximately 13km east from these schemes but the hydrological link via the River Dee is 25km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Dundalk Bay SPA is approximately 13km east from these schemes but the hydrological link via the River Dee is 25km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site, and given the urban context of the works. Carlingford Lough SPA is approximately 30km north-east from these schemes and therefore no in-combination effects are possible. Carlingford Lough SPA (NI) is approximately 35km north-east from these schemes and therefore no in-combination effects are possible. Stabannan-Braganstown SPA is approximately 5km north-east from these schemes, but no hydrological link exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Athboy Town Centre</u></p> <p>Dundalk Bay SAC is approximately 45km north-east from the scheme. Dundalk Bay SPA is approximately 45km north-east from the scheme. Carlingford Lough SPA is approximately 65km north-east from the scheme. Carlingford Lough SPA (NI) is approximately 70km north-east from the scheme. Stabannan-Braganstown SPA is approximately 40km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 45km or more distant no in-combination effects are possible.</p> <p><u>Carlingford Flood Relief Scheme; and the Carlingford Sustainable Tourism Strategy</u></p> <p>Dundalk Bay SAC is approximately 7km south from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 7km south from these schemes, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Carlingford Lough SPA is adjacent to these schemes and is hydrologically linked via a number of streams. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Carlingford Lough SPA (NI) is approximately 2.5km north-east of these schemes and is hydrologically linked via a number of streams. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment</p> | <p>Yes – from disturbance impacts on the Stabannan-Braganstown SPA if construction phase is concurrent with the Ardee Regeneration works and the St Joseph's Hospital works.</p> <p>Yes – from disturbance impacts to the Dundalk Bay SPA, Carlingford Lough SPA and Carlingford Lough SPA (NI) if construction phase is concurrent with the Carlingford Flood Relief Scheme works and the Carlingford Sustainable Tourism Strategy works.</p> <p>Yes – from pollution impacts on the Dundalk Bay SAC and from disturbance impacts to the Dundalk Bay SPA if construction phase is concurrent with the Dublin Road social housing works, the Mount Avenue social housing works, the Racecourse Meadows social housing works, the Kitchen Garden social housing works, the Dundalk Flood Relief Scheme works, the Long Walk Quarter Regeneration works, and the St. Nicholas Quarter Backlands and Regeneration works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>not available at time of writing). Stabannan-Braganstown SPA is approximately 25km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carrickmacross Town Centre Renewal</u></p> <p>Dundalk Bay SAC is approximately 25km east from the scheme and is hydrologically linked via the River Glyde. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Dundalk Bay SPA is approximately 25km east from the scheme and is hydrologically linked via the River Glyde. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Carlingford Lough SPA is approximately 35km east from the scheme and therefore no in-combination effects are predicted. Carlingford Lough SPA (NI) is approximately 37km north-east from the scheme and therefore no in-combination effects are predicted. Stabannan-Braganstown SPA is approximately 19km south-east from the scheme and is hydrologically linked via the River Glyde. In-combination impacts are not predicted as and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u></p> <p>Dundalk Bay SAC is approximately 25km south-east from these schemes and is hydrologically linked via the Castletown River. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Dundalk Bay SPA is approximately 25km south-east from these schemes and is hydrologically linked via the Castletown River. In-combination impacts are not predicted as and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Carlingford Lough SPA is approximately 35km east from these schemes and therefore no in-combination effects are predicted. Carlingford Lough SPA (NI) is approximately 36km east from these schemes and therefore no in-combination effects are predicted. Stabannan-Braganstown SPA is approximately 30km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Donore Road social housing; Newfoundwell Road social housing; Newtown, Marsh Road, social housing; Tullybrook social housing; Drogheda Flood Relief Scheme; St Mary's Hospital, Drogheda; and the Westgate Regeneration Vision</u></p> <p>Dundalk Bay SAC is approximately 18km north from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 18km north from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Carlingford Lough SPA is approximately 35km north-east from these schemes and therefore no in-combination effects are predicted. Carlingford Lough SPA (NI) is approximately 37km north-east from these schemes and therefore no in-combination effects are predicted. Stabannan-Braganstown SPA is approximately 19km north-west from these schemes, but no hydrological link and therefore no in-combination effects are predicted.</p> <p><u>Boyne Navigation and Greenway</u></p> <p>Dundalk Bay SAC is approximately 18km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 18km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Carlingford Lough SPA is approximately 35km north-east from the scheme and therefore no in-combination effects are predicted. Carlingford Lough SPA (NI) is approximately 41km north-east from the scheme and therefore no in-combination effects are predicted. Stabannan-Braganstown SPA is approximately 19km north-west from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted.</p> <p><u>Dublin Road social housing; Mount Avenue social housing; Racecourse Meadows</u></p> | | | |

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| | | <p><u>social housing; The Kitchen Garden, Demesne Road, social housing; Dundalk Flood Relief Scheme; Long Walk Quarter Regeneration; and the St. Nicholas Quarter Backlands and Regeneration</u></p> <p>Dundalk Bay SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution during construction (LSEs for these schemes assumed as assessment not available at time of writing). Dundalk Bay SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Carlingford Lough SPA is approximately 14km east from these schemes, but no hydrological link exists and therefore no in-combination effects are predicted. Carlingford Lough SPA (NI) is approximately 16km north-east from these schemes, but no hydrological link exists and therefore no in-combination effects are predicted. Stabannan-Braganstown SPA is approximately 12km south from these schemes, but no hydrological link exists and therefore no in-combination effects are predicted.</p> <p><u>The Willows, Dunshaughlin, Co. Meath</u></p> <p>Dundalk Bay SAC is approximately 40km north from the scheme and therefore no in-combination effects predicted. Dundalk Bay SPA is approximately 40km north from the scheme and therefore no in-combination effects predicted. Carlingford Lough SPA is approximately 60km north-east from the scheme and therefore no in-combination effects predicted. Carlingford Lough SPA (NI) is approximately 65km north-east from the scheme and therefore no in-combination effects predicted. Stabannan-Braganstown SPA is approximately 40km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>Athboy Road, Navan, social housing; Farganstown social housing; Flowerhill Regeneration; and the Railway Street Regeneration and County Archive</u></p> <p>Dundalk Bay SAC is approximately 35km north-east from these schemes and therefore no in-combination effects predicted. Dundalk Bay SPA is approximately 35km north-east from these schemes and therefore no in-combination effects predicted. Carlingford Lough SPA is approximately 55km north-east from these schemes and therefore no in-combination effects predicted. Carlingford Lough SPA (NI) is approximately 57km north-east from these schemes and therefore no in-combination effects predicted. Stabannan-Braganstown SPA is approximately 30km north-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Omeath Village Regeneration Strategy: Phase 1: Omeath Placemaking Strategy</u></p> <p>Dundalk Bay SAC is approximately 9km south from the scheme, but no hydrological connection exists. Dundalk Bay SPA is approximately 9km south from the scheme, but no hydrological connection exists. Carlingford Lough SPA is approximately 7km south-east from the scheme and is hydrologically connected via Carlingford Lough. Carlingford Lough SPA (NI) is approximately 5km south-east from the scheme and is hydrologically connected via Carlingford Lough. Stabannan-Braganstown SPA is approximately 25km south-west from the scheme. The AA screening concluded that as these sites are 5km or more distant, and given the urban context of the works, no in-combination effects are possible.</p> <p><u>N2 Slane Bypass</u></p> <p>Dundalk Bay SAC is approximately 25km north-east from the scheme and therefore no in-combination effects predicted. Dundalk Bay SPA is approximately 25km north-east from the scheme and therefore no in-combination effects predicted. Carlingford Lough SPA is approximately 45km north-east from the scheme and therefore no in-combination effects predicted. Carlingford Lough SPA (NI) is approximately 46km north-east from the scheme and therefore no in-combination effects predicted. Stabannan-Braganstown SPA is approximately 19km north from the scheme, but no hydrological link exists and therefore no in-combination effects predicted.</p> | | | |
| SAE-508 (TG1-SAE-049, TG1-SAE-050) | • Habitat degradation | <u>Ardee bypass</u> | Yes – from disturbance impacts to | General Mitigation | N |

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| <p>New GW (partial supply) for Ardee within WTP vicinity. Rationalise Collon Drybridge to South Louth East Meath.</p> <p>Option study area is hydrologically linked to the River Boyne and River Blackwater SAC which is 100m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. No operational effects predicted.</p> <p>Option study area is hydrologically linked to the River Boyne and River Blackwater SPA which is 100m away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational effects predicted.</p> <p>Option study area is hydrologically linked to the Dundalk Bay SPA which is 14km away. During construction there is the potential for the disturbance to birds given the proximity of works. No operational effects predicted.</p> | <ul style="list-style-type: none"> Disturbance Spread of invasive non-native species | <p>River Boyne and River Blackwater SAC is approximately 16km south of the scheme, but no hydrological connection exists. River Boyne and River Blackwater SPA is approximately 16km south of the scheme, but no hydrological connection exists. Dundalk Bay SPA is approximately 13km east from the scheme, but the hydrological link via the River Dee is 25km long. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is 13km or more distant and the attenuation of the hydrological link would act as a barrier so no in-combination effects are possible.</p> <p><u>Ardee Regeneration; and St Joseph's Hospital, Ardee</u></p> <p>River Boyne and River Blackwater SAC is approximately 16km south of these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. River Boyne and River Blackwater SPA is approximately 16km south of these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 13km east from these schemes but the hydrological link via the River Dee is 25km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site, and given the urban context of the works.</p> <p><u>Athboy Town Centre</u></p> <p>River Boyne and River Blackwater SAC is 500m from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As the European site is not hydrologically connected to the scheme no in-combination effects are possible. River Boyne and River Blackwater SPA is 500m from the scheme, but no hydrological connection exists. As the European site is not hydrologically connected to the scheme no in-combination effects are possible. Dundalk Bay SPA is approximately 45km north-east from the scheme. As this European site is 45km or more distant no in-combination effects are possible.</p> <p><u>Carlingford Flood Relief Scheme; and the Carlingford Sustainable Tourism Strategy</u></p> <p>River Boyne and River Blackwater SAC is approximately 35km south from these schemes and therefore no in-combination effects are predicted. River Boyne and River Blackwater SPA is approximately 40km south from these schemes and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 7km south from these schemes, but no hydrological connection exists. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Carrickmacross Town Centre Renewal</u></p> <p>River Boyne and River Blackwater SAC is approximately 30km south from the scheme and therefore no in-combination effects are predicted. River Boyne and River Blackwater SPA is approximately 30km south from the scheme and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 25km east from the scheme and is hydrologically linked via the River Glyde. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castleblayney Enterprise Centre; and Castleblayney Market Square Regeneration</u></p> <p>River Boyne and River Blackwater SAC is approximately 45km south from these schemes and therefore no in-combination effects are predicted. River Boyne and River Blackwater SPA is approximately 45km south from these schemes and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 25km south-east from these schemes and is hydrologically linked via the Castletown River. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Donore Road social housing; Newfoundwell Road social housing; Newtown, Marsh</u></p> | <p>the Dundalk Bay SPA if construction phase is concurrent with the Carlingford Flood Relief Scheme works and the Carlingford Sustainable Tourism Strategy works.</p> <p>Yes – from pollution, spread of invasive non-native species and disturbance impacts on the River Boyne and River Blackwater SAC and from pollution and disturbance impacts on the River Boyne and River Blackwater SPA if construction phase is concurrent with the Donore Road social housing works, the Newfoundwell Road social housing works, the Newtown, Marsh Road social housing works, the Tullybrook social housing works, the Drogheda Flood Relief Scheme works, the St Mary's Hospital works, and the Westgate Regeneration Vision works.</p> <p>Yes – from pollution, spread of invasive non-native species and disturbance impacts on the River Boyne and River Blackwater SAC and from pollution and disturbance impacts on the River Boyne and River Blackwater SPA if construction phase is concurrent with the Boyne Navigation and Greenway works.</p> <p>Yes – from disturbance impacts on the Dundalk Bay SPA if construction phase is concurrent with the Dublin Road social housing works, the Mount Avenue social housing works, the Racecourse Meadows social housing works, the Kitchen Garden social housing works, the Dundalk Flood Relief Scheme works, the Long Walk Quarter Regeneration works, and the St. Nicholas Quarter Backlands and Regeneration works.</p> <p>Yes – from pollution, spread of invasive non-native species and disturbance impacts on the River</p> | <p>Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Road, social housing; Tullybrook social housing; Drogheda Flood Relief Scheme; St Mary's Hospital, Drogheda; and the Westgate Regeneration Vision</u></p> <p>River Boyne and River Blackwater SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasive species and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). River Boyne and River Blackwater SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Dundalk Bay SPA is approximately 18km north from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Boyne Navigation and Greenway</u></p> <p>River Boyne and River Blackwater SAC is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasive species and disturbance during construction (LSEs for this scheme assumed as assessment not available at time of writing). River Boyne and River Blackwater SPA is adjacent to the scheme. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for this scheme assumed as assessment not available at time of writing). Dundalk Bay SPA is approximately 18km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted.</p> <p><u>Dublin Road social housing; Mount Avenue social housing; Racecourse Meadows social housing; The Kitchen Garden, Demesne Road, social housing; Dundalk Flood Relief Scheme; Long Walk Quarter Regeneration; and the St. Nicholas Quarter Backlands and Regeneration</u></p> <p>River Boyne and River Blackwater SAC is approximately 30km south from these schemes and therefore no in-combination effects are predicted. River Boyne and River Blackwater SPA is approximately 30km south from these schemes and therefore no in-combination effects are predicted. Dundalk Bay SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>The Willows, Dunshaughlin, Co. Meath</u></p> <p>River Boyne and River Blackwater SAC is approximately 13km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. River Boyne and River Blackwater SPA is approximately 13km north from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Dundalk Bay SPA is approximately 40km north from the scheme and therefore no in-combination effects predicted.</p> <p><u>Athboy Road, Navan, social housing; Farganstown social housing; Flowerhill Regeneration; and the Railway Street Regeneration and County Archive</u></p> <p>River Boyne and River Blackwater SAC is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasive species and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). River Boyne and River Blackwater SPA is adjacent to these schemes. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Dundalk Bay SPA is approximately 35km north-east from these schemes and therefore no in-combination effects predicted.</p> <p><u>Omeath Village Regeneration Strategy: Phase 1: Omeath Placemaking Strategy</u></p> <p>River Boyne and River Blackwater SAC is approximately 40km south from the scheme. River Boyne and River Blackwater SPA is approximately 40km south from</p> | <p>Boyne and River Blackwater SAC and from pollution and disturbance impacts on the River Boyne and River Blackwater SPA if construction phase is concurrent with the Athboy Road social housing works, the Farganstown social housing works, the Flowerhill Regeneration works, and the Railway Street Regeneration and County Archive works.</p> <p>Yes – from pollution, spread of invasive non-native species and disturbance impacts on the River Boyne and River Blackwater SAC and from pollution and disturbance impacts on the River Boyne and River Blackwater SPA if construction phase is concurrent with the N2 Slane Bypass works.</p> | | |

| Preferred Option | Potential Effects – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>the scheme. Dundalk Bay SPA is approximately 9km south from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are 9km or more distant and not hydrologically connected no in-combination effects are possible.</p> <p><u>N2 Slane Bypass</u></p> <p>River Boyne and River Blackwater SAC is adjacent to the scheme and is hydrologically linked via a number of streams. No NIS available so it is assumed there is potential for in-combination effects from pollution, spread of invasive species and disturbance during construction (LSEs for the scheme assumed as assessment not available at time of writing). River Boyne and River Blackwater SPA is adjacent to the scheme and is hydrologically linked via a number of streams. No NIS available so it is assumed there is potential for in-combination effects from pollution and disturbance during construction (LSEs for the scheme assumed as assessment not available at time of writing). Dundalk Bay SPA is approximately 25km north-east from these schemes and therefore no in-combination effects predicted.</p> | | | |
| All Preferred Options The European sites that may be impacted by options within Study Area E are Dundalk Bay SAC, River Boyne and River Blackwater SAC, Dundalk Bay SPA, Carlingford Lough SPA, Carlingford Lough SPA (NI), River Boyne and River Blackwater SPA and Stabannan-Braganstown SPA. | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Spread of invasive non-native species | <p><u>All Preferred Options</u></p> <p>Option SAE-001 is the only option within SAE with potential for effects on the Dundalk Bay SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAE to the Dundalk Bay SPA given that options SAE-001 and SAE-508 have the potential for effects. Potential for in-combination effects from disturbance during construction.</p> <p>Option SAE-001 is the only option within SAE with potential for effects on the Carlingford Lough SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAE-001 is the only option within SAE with potential for effects on the Carlingford Lough SPA (NI). Therefore, there is no potential for in-combination effects to this site.</p> <p>Option SAE-508 is the only option within SAE with potential for effects on the River Boyne and River Blackwater SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAE-508 is the only option within SAE with potential for effects on the River Boyne and River Blackwater SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAE-001 is the only option within SAE with potential for effects on the Stabannan-Braganstown SPA. Therefore, there is no potential for in-combination effects to this European site.</p> | <p>Yes – from disturbance impacts on Dundalk Bay SPA if construction of options is concurrent.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

Table E6: SAF-Potential in-combination effects with other projects and options within SAF

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| STUDY AREA F | | | | | |
| <p>SAF-009</p> <p>Increase SW abstraction from Lough Forbes, upgrade WTP, upgrade pumps and new storage.</p> <p>Option study area is within the Lough Forbes Complex SAC. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is within the Ballykenny-Fisherstown Bog SPA. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is within the Zone of Influence of the Lough Ree SPA which is 15.1km away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Water table/availability | <p><u>Athlone Town Centre Regeneration and Enhancement</u></p> <p>Lough Forbes Complex SAC is approximately 35km north from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 35km north from the scheme. Lough Ree SPA is approximately 1km north from the scheme and is hydrologically connected upstream via the River Shannon. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are hydrologically connected upstream, and given the urban context of the works, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u></p> <p>Lough Forbes Complex SAC is approximately 35km north from these schemes but is hydrologically linked upstream via the River Shannon and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 35km north from these schemes but is hydrologically linked upstream via the River Shannon and therefore no in-combination effects are predicted. Lough Ree SPA is adjacent to these schemes and is hydrologically connected upstream via the River Shannon. However, no in-combination impacts are predicted given the urban context of these schemes.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u></p> <p>Lough Forbes Complex SAC is approximately 45km east from the scheme. Ballykenny-Fisherstown Bog SPA is approximately 45km east from the scheme. Lough Ree SPA is approximately 45km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 45km or more distant, no in-combination effects are possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Lough Forbes Complex SAC is approximately 10km east from the scheme, and the hydrological link via the River Shannon is approximately 25km long. The NIS for this scheme identified pollution and hydrological changes during construction and operation as potential impacts to this European site. Therefore, there is potential for in-combination effects from habitat degradation during operation. Ballykenny-Fisherstown Bog SPA is approximately 10km east from the scheme, and the hydrological link via the River Shannon is approximately 25km long. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site. Lough Ree SPA is approximately 10km south-east from the scheme, and the hydrological link via the River Shannon is approximately 40km long. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Lough Forbes Complex SAC is approximately 30km south from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 30km south from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 45km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Lough Forbes Complex SAC is approximately 20km north from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 20km north from the scheme and therefore no in-combination</p> | <p>Yes – during operation from habitat degradation on the Lough Forbes Complex SAC if concurrent with the N5 Ballaghaderreen to Scramoge operation.</p> <p>Yes – from disturbance impacts on the Lough Ree SPA if construction phase is concurrent with the Ballymahon 'Pobal le Cheile' works.</p> <p>Yes – from disturbance impacts on the Lough Ree SPA and the Ballykenny-Fisherstown Bog SPA if construction phase is concurrent with the Enhancement of Attractiveness of Lanesborough as a Tourism Destination works.</p> <p>Yes – from disturbance impacts on the Ballykenny-Fisherstown Bog SPA and the Lough Ree SPA if construction phase is concurrent with the Longford Connected Regeneration works, the St Joseph's Care Centre works, the Camlin Quarter Regeneration works and during operation from habitat degradation and water table/availability on the Lough Forbes Complex SAC.</p> <p>Yes – from disturbance impacts on the Lough Ree SPA if construction phase is concurrent with the Roscommon Rehabilitation Unit Works, the Roscommon Sewerage Scheme works, the Sacred Heart Hospital works, and the Roscommon Town Regeneration works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3. Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>effects are predicted. Lough Ree SPA is 5km west from the scheme and is hydrologically connected via the River Inny. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for the Ballymahon 'Pobal le Cheile' works assumed as assessment not available at time of writing).</p> <p><u>Banagher Regeneration Projects</u></p> <p>Lough Forbes Complex SAC is approximately 60km north from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 60km north from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 25km north from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Boyle Regeneration</u></p> <p>Lough Forbes Complex SAC is approximately 30km south-east from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 30km south-east from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit.</u></p> <p>Lough Forbes Complex SAC is approximately 20km south-east from these schemes and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 30km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Ballykenny-Fisherstown Bog SPA is approximately 20km south-east from these schemes and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 30km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Ree SPA is approximately 30km south-east from these schemes and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Carrick on Shannon to Battlebridge Blueway</u></p> <p>Lough Forbes Complex SAC is approximately 20km south-east from the scheme and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 30km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Ballykenny-Fisherstown Bog SPA is approximately 20km south-east from the scheme and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 30km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Ree SPA is approximately 30km south-east from the scheme and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castlepollard Regeneration</u></p> <p>Lough Forbes Complex SAC is approximately 35km west from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 35km west from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 40km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Raheen, Clara</u></p> <p>Lough Forbes Complex SAC is approximately 45km north from the scheme.</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Ballykenny-Fisherstown Bog SPA is approximately 45km north from the scheme. Lough Ree SPA is approximately 20km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 20km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u></p> <p>Lough Forbes Complex SAC is approximately 25km west from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 25km west from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u></p> <p>Lough Forbes Complex SAC is 8km north-east from the scheme but is hydrologically connected upstream via the River Shannon and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is 8km north-east from the scheme and is hydrologically connected upstream via the River Shannon. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. Lough Ree SPA is adjacent to the scheme and is hydrologically connected via the River Shannon. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for the Enhancement of Attractiveness of Lanesborough as a Tourism Destination scheme assumed as assessment not available at time of writing).</p> <p><u>Longford Connected Regeneration; St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u></p> <p>Lough Forbes Complex SAC is 5km west from these schemes and is hydrologically connected via the Camlin Stream. No NIS available so it is assumed there is a potential for in-combination effects during operation from habitat degradation and changes to water table/availability. Ballykenny-Fisherstown Bog SPA is 5km west from these schemes and is hydrologically connected via the Camlin Stream. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing). Lough Ree SPA is approximately 14km south-west from these schemes, and the hydrological link via Lough Forbes and the River Shannon is approximately 20km long. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Mohill Public Realm</u></p> <p>Lough Forbes Complex SAC is approximately 14km south from the scheme, however it is hydrologically linked via Lough Rinn. Ballykenny-Fisherstown Bog SPA is approximately 14km south from the scheme, however it is hydrologically linked via Lough Rinn. Lough Ree SPA is approximately 30km south from the scheme, however the hydrological link via the River Shannon is approximately 40km long. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 14km or more distant and Lough Rinn and the attenuation of the hydrological links would act as a barrier to these European sites, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Lough Forbes Complex SAC is approximately 40km north-west from these schemes and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 40km north-west from these schemes and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km west from these schemes and therefore no in-combination effects are predicted.</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Portiuncula University Hospital Ward Block</u> Lough Forbes Complex SAC is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 50km north-east from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 20km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u> Lough Forbes Complex SAC is approximately 20km north-east from these schemes and therefore no in-combination effects are predicted. Ballykenny-Fisherstown Bog SPA is approximately 20km north-east from these schemes and therefore no in-combination effects are predicted. Lough Ree SPA is 7km east from these schemes and is hydrologically connected via the River Hind. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u> Lough Forbes Complex SAC is approximately 55km north from the scheme. Ballykenny-Fisherstown Bog SPA is approximately 55km north from the scheme. Lough Ree SPA is approximately 30km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u> Lough Forbes Complex SAC is approximately 55km north from the scheme. Ballykenny-Fisherstown Bog SPA is approximately 55km north from the scheme. Lough Ree SPA is approximately 30km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant, no in-combination effects are possible.</p> | | | |
| <p>SAF-021</p> <p>New GW abstraction to supply deficit at Lanesboro & Newtowncashel, upgrade Lisreevagh WTP.</p> <p>Option study area is in close proximity and within the zone of contribution (ZOC) of the Lough Ree SAC, which is 100m away. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is in close proximity and within the ZOC of the Fortwilliam Turlough SAC, which is 1.8km away. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is in close proximity and within the ZOC of the Lough Ree SPA which is 150m away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Habitat degradation Disturbance Water table/availability | <p><u>Athlone Town Centre Regeneration and Enhancement</u> Lough Ree SAC is approximately 1km north from the scheme and is hydrologically connected upstream via the River Shannon. Fortwilliam Turlough SAC is approximately 20km north from the scheme. Lough Ree SPA is approximately 1km north from the scheme and is hydrologically connected upstream via the River Shannon. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are hydrologically connected upstream, and given the urban context of the works, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u> Lough Ree SAC is adjacent to these schemes, but is hydrologically connected upstream via the River Shannon and therefore no impacts are predicted. Fortwilliam Turlough SAC is approximately 20km north from these schemes and therefore no in-combination effects are predicted. Lough Ree SPA is adjacent to these schemes and is hydrologically connected upstream via the River Shannon. However, no in-combination impacts are predicted given the urban context of these schemes.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u> Lough Ree SAC is approximately 45km south-east from the scheme. Fortwilliam Turlough SAC is approximately 50km south-east from the scheme. Lough Ree SPA is approximately 45km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 45km or more distant, no in-combination effects are</p> | <p>Yes – from disturbance impacts on the Lough Ree SPA if construction phase is concurrent with the Ballymahon 'Pobal le Cheile' works and during operation from habitat degradation and water table/availability on the Lough Ree SAC.</p> <p>Yes – from disturbance impacts on the Lough Ree SPA if construction phase is concurrent with the Enhancement of Attractiveness of Lanesborough as a Tourism Destination works and during operation from habitat degradation and water table/availability on the Lough Ree SAC.</p> <p>Yes – from disturbance impacts on the Lough Ree SPA if construction phase is concurrent</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>Hydrogeological modelling as in Section 6.3.5</p> <p>Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Lough Ree SAC is approximately 10km south-east from the scheme, and the hydrological link via the River Shannon is approximately 40km long. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site. Fortwilliam Turlough SAC is approximately 17km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 10km south-east from the scheme, and the hydrological link via the River Shannon is approximately 40km long. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Lough Ree SAC is approximately 45km south from the scheme and therefore no in-combination effects are predicted. Fortwilliam Turlough SAC is approximately 50km south from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 45km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Lough Ree SAC is 5km west from the scheme and is hydrologically connected via the River Inny. No NIS available so it is assumed there is a potential for in-combination effects during operation from habitat degradation and changes to water table/availability. Fortwilliam Turlough SAC is approximately 15km west from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Ree SPA is 5km west from the scheme and is hydrologically connected via the River Inny. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for the Ballymahon 'Pobal le Cheile' works assumed as assessment not available at time of writing).</p> <p><u>Banagher Regeneration Projects</u></p> <p>Lough Ree SAC is approximately 25km north from the scheme, is hydrologically linked upstream via the River Shannon but upstream, and therefore no in-combination effects are predicted. Fortwilliam Turlough SAC is approximately 45km north from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 25km north from the scheme, is hydrologically linked upstream via the River Shannon, and therefore no in-combination effects are predicted.</p> <p><u>Boyle Regeneration</u></p> <p>Lough Ree SAC is approximately 35km south-east from the scheme and therefore no in-combination effects are predicted. Fortwilliam Turlough SAC is approximately 45km south-east from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit.</u></p> <p>Lough Ree SAC is approximately 30km south from these schemes and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Fortwilliam Turlough SAC is approximately 35km south from these schemes and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 30km south from these schemes and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a</p> | <p>with the Longford Connected Regeneration, St Joseph's Care Centre, Longford, and Camlin Quarter Regeneration works.</p> <p>Yes – from disturbance impacts on the Lough Ree SPA if construction phase is concurrent with the Roscommon Rehabilitation Unit Works, the Roscommon Sewerage Scheme works, the Sacred Heart Hospital works, and the Roscommon Town Regeneration works and during operation from habitat degradation and water table/availability on the Lough Ree SAC.</p> | | |

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| | | <p>barrier to the effects on this European site.</p> <p><u>Carrick on Shannon to Battlebridge Blueway</u></p> <p>Lough Ree SAC is approximately 30km south from the scheme and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p>Fortwilliam Turlough SAC is approximately 35km south from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 30km south from the scheme and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p><u>Castlepollard Regeneration</u></p> <p>Lough Ree SAC is approximately 40km west from the scheme and therefore no in-combination effects are predicted. Fortwilliam Turlough SAC is approximately 45km west from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 40km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Raheen social housing, Clara</u></p> <p>Lough Ree SAC is approximately 20km north-west from the scheme. Fortwilliam Turlough SAC is approximately 40km north-west from the scheme. Lough Ree SPA is approximately 20km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 20km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u></p> <p>Lough Ree SAC is approximately 35km west from the scheme and therefore no in-combination effects are predicted. Fortwilliam Turlough SAC is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u></p> <p>Lough Ree SAC is adjacent to the scheme and is hydrologically connected via the River Shannon. No NIS available so it is assumed there is a potential for in-combination effects during operation from habitat degradation and changes to water table/availability. Fortwilliam Turlough SAC is approximately 5km south from the scheme, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Ree SPA is adjacent to the scheme and is hydrologically connected via the River Shannon. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for the Enhancement of Attractiveness of Lanesborough as a Tourism Destination scheme assumed as assessment not available at time of writing).</p> <p><u>Longford Connected Regeneration; St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u></p> <p>Lough Ree SAC is approximately 14km south-west from these schemes, however the hydrological link via Lough Forbes and the River Shannon is approximately 20km long. In-combination impacts are not predicted as Lough Forbes and the attenuation of the hydrological link would act as a barrier to the effects on this European site.</p> <p>Fortwilliam Turlough SAC is approximately 15km south-west from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 14km south-west from these schemes, and the hydrological link via Lough Forbes and the River Shannon is approximately 20km long. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as</p> | | | |

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| | | <p>assessment not available at time of writing).</p> <p><u>Mohill Public Realm</u></p> <p>Lough Ree SAC is approximately 30km south from the scheme, however the hydrological link via the River Shannon is approximately 40km long. Fortwilliam Turlough SAC is approximately 35km south from the scheme. Lough Ree SPA is approximately 30km south from the scheme, and the hydrological link via the River Shannon is approximately 40km long. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant and the attenuation of the hydrological link would act as a barrier, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Lough Ree SAC is approximately 35km west from these schemes and therefore no in-combination effects are predicted. Fortwilliam Turlough SAC is approximately 45km north-west from these schemes and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Portiuncula University Hospital Ward Block</u></p> <p>Lough Ree SAC is approximately 20km north-east from the scheme and therefore no in-combination effects are predicted. Fortwilliam Turlough SAC is approximately 35km north-east from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 20km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u></p> <p>Lough Ree SAC is 3km east from these schemes and is hydrologically connected via the River Hind. No NIS available so it is assumed there is a potential for in-combination effects during operation from habitat degradation and changes to water table/availability. Fortwilliam Turlough SAC is approximately 13km east from these schemes, but no hydrological connection exists and therefore no in-combination effects are predicted. Lough Ree SPA is 7km east from these schemes and is hydrologically connected via the River Hind. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u></p> <p>Lough Ree SAC is approximately 30km north-west from the scheme. Fortwilliam Turlough SAC is approximately 50km north-west from the scheme. Lough Ree SPA is approximately 30km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u></p> <p>Lough Ree SAC is approximately 30km north-west from the scheme. Fortwilliam Turlough SAC is approximately 50km north-west from the scheme. Lough Ree SPA is approximately 30km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant, no in-combination effects are possible.</p> | | | |
| SAF-030 Increase SW abstraction from Lough Kinale, re-locate existing intake and | <ul style="list-style-type: none"> Habitat loss Habitat degradation | <p><u>Athlone Town Centre Regeneration and Enhancement</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 50km north-east from the scheme. Lough Sheelin SPA is approximately 54km north-east from the scheme.</p> | Yes – from disturbance impacts on the Lough Kinale and Derragh Lough SPA, Lough | General Mitigation Measures are outlined in Section 6.3.3 | N |

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| upgrade WTP. Option study area is within the Lough Kinale and Derragh Lough SPA . During construction there is the potential for the loss and pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. During operation there is the potential for habitat degradation and a reduction in flow and water availability. Option study area is within the Zone of influence of the Lough Sheelin SPA which is 2.9km away. During construction there is potential for disturbance to birds. No operational impacts predicted. Option study area is hydrologically linked to the Lough Derravaragh SPA which is 11.2km away. During construction there is the potential for disturbance to birds. No operational impacts predicted. Option study area is within the Zone of influence of the Garriskil Bog SPA which is 13.2km away. During construction there is potential for disturbance to birds. No operational impacts predicted. | <ul style="list-style-type: none"> Disturbance Water table/availability | <p>Lough Derravaragh SPA is approximately 40km north-east from the scheme. Garriskil Bog SPA is approximately 40km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 40km or more distant, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 50km north-east from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 54km north-east from these schemes and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 40km north-east from these schemes and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 40km north-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 75km east from the scheme. Lough Sheelin SPA is approximately 80km east from the scheme. Lough Derravaragh SPA is approximately 80km south-east from the scheme. Garriskil Bog SPA is approximately 77km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 75km or more distant, no in-combination effects are possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 40km east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 44km east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 45km south-east from the scheme and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 40km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 40km south-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 39km south-east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 50km south-east from the scheme and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 49km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 30km north-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 35km north-east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 25km north-east from the scheme and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 22km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Banagher Regeneration Projects</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 75km north-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 78km north-east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 65km north-east from the scheme and therefore no in-combination effects are predicted. Garriskill Bog SPA is approximately 61km north-east from the scheme and therefore no in-</p> | Sheelin SPA, Lough Derravaragh SPA and the Garriskil Bog SPA if construction phase is concurrent with the Historic Granard Motte Project works. | With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects. | |

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| | | <p>combination effects are predicted.</p> <p><u>Boyle Regeneration</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 60km south-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 64km south-east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 70km south-east from the scheme and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 64km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 45km south-east from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 50km south-east from these schemes and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 55km south-east from these schemes and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 51km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carrick on Shannon to Battlebridge Blueway</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 45km south-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 50km south-east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 55km south-east from the scheme and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 51km south-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlepollard Regeneration</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 11km north-west from the scheme. However, as no hydrological connection exists, and given the urban context of the works no in-combination effects are predicted. Lough Sheelin SPA is approximately 11km north from the scheme. However, given the urban context of the works no in-combination effects are predicted. Lough Derravaragh SPA is approximately 4km west from the scheme. However, as no hydrological connection exists, and given the urban context of the works no in-combination effects are predicted. Garriskil Bog SPA is approximately 9km south-west from the scheme. However, given the urban context of the works no in-combination effects are predicted.</p> <p><u>Raheen social housing, Clara</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 50km north from the scheme. Lough Sheelin SPA is approximately 51km north-east from the scheme. Lough Derravaragh SPA is approximately 35km north from the scheme. Garriskil Bog SPA is approximately 35km north-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 35km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 5km east from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for the Historic Granard Motte Projects assumed as assessment not available at time of writing). Lough Sheelin SPA is approximately 8km east from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for the Historic Granard Motte Projects assumed as assessment not available at time of writing).</p> | | | |

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| | | <p>Lough Derravaragh SPA is approximately 13km south-east from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for the Historic Granard Motte Projects assumed as assessment not available at time of writing). Garriskil Bog SPA is approximately 13km south from the scheme, but no hydrological connection exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for the Historic Granard Motte Projects assumed as assessment not available at time of writing).</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 40km north-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 42km north-east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 40km east from the scheme and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 34km east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Longford Connected Regeneration; St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 25km east from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 27km north-east from these schemes and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 25km south-east from these schemes and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 22km south-east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Mohill Public Realm</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 35km south-east from the scheme. Lough Sheelin SPA is approximately 36km south-east from the scheme. Lough Derravaragh SPA is approximately 40km south-east from the scheme. Garriskil Bog SPA is approximately 38km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 35km or more distant, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 30km north from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 26km north from these schemes and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 10km north from these schemes. However, as no hydrological connection exists, and given the urban context of the works no in-combination effects are predicted. Garriskil Bog SPA is approximately 13km north-west from these schemes. However, as no hydrological connection exists, and given the urban context of the works no in-combination effects are predicted.</p> <p><u>Portiuncula University Hospital Ward Block</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 70km north-east from the scheme and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 76km north-east from the scheme and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 65km north-east from the scheme and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 62km north-east from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred</u></p> | | | |

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| | | <p><u>Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 55km north-east from these schemes and therefore no in-combination effects are predicted. Lough Sheelin SPA is approximately 56km north-east from these schemes and therefore no in-combination effects are predicted. Lough Derravaragh SPA is approximately 50km east from these schemes and therefore no in-combination effects are predicted. Garriskil Bog SPA is approximately 47km east from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 55km north from the scheme. Lough Sheelin SPA is approximately 56km north-east from the scheme. Lough Derravaragh SPA is approximately 40km north from the scheme. Garriskil Bog SPA is approximately 40km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 40km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u></p> <p>Lough Kinale and Derragh Lough SPA is approximately 55km north from the scheme. Lough Sheelin SPA is approximately 56km north-east from the scheme. Lough Derravaragh SPA is approximately 40km north from the scheme. Garriskil Bog SPA is approximately 40km north from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 40km or more distant, no in-combination effects are possible.</p> | | | |
| <p>SAF-038</p> <p>WTP Upgrade - Roscommon Central WSS not in deficit, pump tests to prove high yield spring and BHs.</p> <p>Option study area is hydrologically linked to the Lough Ree SAC which is 1.5km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Lough Ree SPA which is 2km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is in the Zone of Influence of the River Suck Callows SPA which is 5.2km away. During construction there is the potential for the disturbance of QI birds. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Habitat degradation Disturbance | <p><u>Athlone Town Centre Regeneration and Enhancement</u></p> <p>Lough Ree SAC is approximately 1km north from the scheme and is hydrologically connected upstream via the River Shannon. Lough Ree SPA is approximately 1km north from the scheme and is hydrologically connected upstream via the River Shannon. River Suck Callows SPA is approximately 18km west from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. As these European sites are hydrologically connected upstream from the scheme, and given the urban context of the works, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u></p> <p>Lough Ree SAC is adjacent to these schemes and is hydrologically connected upstream via the River Shannon. However, no in-combination impacts are predicted given the urban context of these schemes. Lough Ree SPA is adjacent to these schemes and is hydrologically connected upstream via the River Shannon. However, no in-combination impacts are predicted given the urban context of these schemes. River Suck Callows SPA is approximately 18km west from these schemes, and no hydrological connection exists. However, no in-combination impacts are predicted given the urban context of these schemes.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u></p> <p>Lough Ree SAC is approximately 45km south-east from the scheme. Lough Ree SPA is approximately 45km south-east from the scheme. River Suck Callows SPA is approximately 35km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 45km or more distant, no in-combination effects are possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Lough Ree SAC is approximately 10km south-east from the scheme, and the</p> | <p>Yes – from pollution impacts on the Lough Ree SAC and from pollution and disturbance impacts on the Lough Ree SPA if construction phase is concurrent with the Ballymahon 'Pobal le Cheile' works.</p> <p>Yes – from disturbance impacts on the River Suck Callows SPA if construction phase is concurrent with the Banagher Regeneration Projects works.</p> <p>Yes – from pollution and disturbance impacts on the Lough Ree SAC and the Lough Ree SPA if construction phase is concurrent with the Enhancement of Attractiveness of Lanesborough as a Tourism Destination works.</p> <p>Yes – from disturbance impacts on the Lough Ree SPA if construction phase is concurrent with the Longford Connected Regeneration, St Joseph's Care Centre, Longford, and Camlin</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>hydrological link via the River Shannon is approximately 40km long. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site. Lough Ree SPA is approximately 10km south-east from the scheme, and the hydrological link via the River Shannon is approximately 40km long. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site. River Suck Callows SPA is approximately 20km south-west from the scheme, and no hydrological connection exists, therefore no in-combination effects are predicted.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Lough Ree SAC is approximately 45km south from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 45km south from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 60km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Lough Ree SAC is 5km west from the scheme and is hydrologically connected via the River Inny. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. Lough Ree SPA is 5km west from the scheme and is hydrologically connected via the River Inny. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for the Ballymahon 'Pobal le Cheile' works assumed as assessment not available at time of writing). River Suck Callows SPA is approximately 35km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Banagher Regeneration Projects</u></p> <p>Lough Ree SAC is approximately 25km north from the scheme but is hydrologically linked upstream via the River Shannon and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 25km north from the scheme but is hydrologically linked upstream via the River Shannon and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 10km north from the scheme and is hydrologically linked upstream. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for the Banagher Regeneration Projects assumed as assessment not available at time of writing).</p> <p><u>Boyle Regeneration</u></p> <p>Lough Ree SAC is approximately 35km south-east from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km south-east from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 40km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit.</u></p> <p>Lough Ree SAC is approximately 30km south-east from these schemes and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Ree SPA is approximately 30km south-east from these schemes and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. River Suck Callows SPA is approximately 40km south-west from these schemes and therefore no in-combination effects are predicted.</p> | <p>Quarter Regeneration works.</p> <p>Yes – from pollution impacts on the Lough Ree SAC and from pollution and disturbance impacts on the Lough Ree SPA, and from disturbance impacts on River Suck Callows SPA if construction phase is concurrent with the Roscommon Rehabilitation Unit Works, the Roscommon Sewerage Scheme works, the Sacred Heart Hospital works, and the Roscommon Town Regeneration works.</p> | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Carrick on Shannon to Battlebridge Blueway</u> Lough Ree SAC is approximately 30km south-east from the scheme and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Ree SPA is approximately 30km south-east from the scheme and is hydrologically connected via the River Shannon. However, the hydrological link is approximately 45km long. In-combination impacts are not predicted as the attenuation of the hydrological link would act as a barrier to the effects on this European site. River Suck Callows SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlepollard Regeneration</u> Lough Ree SAC is approximately 40km west from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 40km west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 65km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Raheen social housing, Clara</u> Lough Ree SAC is approximately 20km north-west from the scheme. Lough Ree SPA is approximately 20km north-west from the scheme. River Suck Callows SPA is approximately 30km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 20km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u> Lough Ree SAC is approximately 35km west from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km east from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u> Lough Ree SAC is adjacent to the scheme and is hydrologically connected via the River Shannon. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. Lough Ree SPA is adjacent to the scheme and is hydrologically connected via the River Shannon. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for the Enhancement of Attractiveness of Lanesborough as a Tourism Destination scheme assumed as assessment not available at time of writing). River Suck Callows SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Longford Connected Regeneration; St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u> Lough Ree SAC is approximately 14km south-west from these schemes, however the hydrological link via Lough Forbes and the River Shannon is approximately 20km long. In-combination impacts are not predicted as Lough Forbes and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Lough Ree SPA is approximately 14km south-west from these schemes, and the hydrological link via Lough Forbes and the River Shannon is approximately 20km long. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. (LSEs for these schemes assumed as assessment not available at time of writing). River Suck Callows SPA is approximately 35km south-west from these schemes and therefore no in-combination effects are predicted.</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Mohill Public Realm</u></p> <p>Lough Ree SAC is approximately 30km south from the scheme, however the hydrological link via the River Shannon is approximately 40km long. Lough Ree SPA is approximately 30km south from the scheme, however the hydrological link via the River Shannon is approximately 40km long. River Suck Callows SPA is approximately 45km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant and the attenuation of the hydrological link would act as a barrier, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Lough Ree SAC is approximately 35km west from these schemes and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 35km west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 60km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Portiuncula University Hospital Ward Block</u></p> <p>Lough Ree SAC is approximately 20km north-east from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 20km north-east from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 1km east from the scheme. However, there is no hydrological connection and the works are taking place in an urban site. Therefore no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u></p> <p>Lough Ree SAC is 3km east from these schemes and is hydrologically connected via the River Hind. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. Lough Ree SPA is 7km east from these schemes and is hydrologically connected via the River Hind. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). River Suck Callows SPA is approximately 6km south-west from these schemes, and no hydrological link exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u></p> <p>Lough Ree SAC is approximately 30km north-west from the scheme. Lough Ree SPA is approximately 30km north-west from the scheme. River Suck Callows SPA is approximately 35km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u></p> <p>Lough Ree SAC is approximately 30km north-west from the scheme and therefore no in-combination effects are predicted. Lough Ree SPA is approximately 30km north-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 35km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 30km or more distant, no in-combination effects are possible.</p> | | | |
| SAF-039 | • Habitat degradation | <u>Athlone Town Centre Regeneration and Enhancement</u> | No | N/A | N |

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| Increase GW abstraction at Longford Springs to supply deficit and upgrade WTP. Option study area is hydrologically linked via karstic aquifer to the Corliskea/ Trien/ Cloonfelliv Bog SAC which is 3.8km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability. | <ul style="list-style-type: none"> Water table/availability | <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 45km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 45km or more distant, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 45km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 18km south from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 18km or more distant with no hydrological connections, no in-combination effects are possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 15km south-west from the scheme, but no hydrological link exists and therefore no in-combination effects are predicted.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 60km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 50km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Banagher Regeneration Projects</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 65km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Boyle Regeneration</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 30km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit.</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 35km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carrick on Shannon to Battlebridge Blueway</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlepollard Regeneration</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 75km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Raheen social housing, Clara</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 70km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 70km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 65km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 30km west from the scheme</p> | | | |

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| | | <p>and therefore no in-combination effects are predicted.</p> <p><u>Longford Connected Regeneration; St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 45km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Mohill Public Realm</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 45km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 45km or more distant, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 75km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Portiuncula University Hospital Ward Block</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 45km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 20km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 80km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 80km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u></p> <p>Corliskea/ Trien/ Cloonfelliv Bog SAC is approximately 80km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is more than 80km or more distant, no in-combination effects are possible.</p> | | | |
| <p>SAF-052</p> <p>Abandon existing intake. New intake from middle lake to meet full demand. New 1.6km raw water mains to existing WTP. Upgrade of WTP to meet full demand.</p> <p>Option study area is within and adjacent to the Callow Bog SAC. During construction there is the potential for the loss of QI habitats and supporting habitats. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted.</p> <p>Option study area is within and adjacent to the Lough Gara SPA. During construction there is the potential for the loss of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Habitat loss Disturbance Spread of invasive non-native species | <p><u>Athlone Town Centre Regeneration and Enhancement</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 65km north-west from the scheme. Bellanagare Bog SPA is approximately 52km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 52km or more distant, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 65km north-west from these schemes and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 52km north-west from the schemes and therefore no in-combination effects are predicted.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u></p> <p>Callow Bog SAC is approximately 2km east from the scheme and is 200m from a hydrological link. Lough Gara SPA is approximately 5km east from the scheme and is 200m from a hydrological link. Bellanagare Bog SPA is approximately 11km south-east from the scheme with no hydrological link. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. Given</p> | <p>Yes – from disturbance impacts on the Lough Gara SPA and the Bellanagare Bog SPA if construction phase is concurrent with the N5 Ballaghaderreen to Scramoge works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| Option study area is in the Zone of Influence of the Bellanagare Bog SPA which is 4.4km away. During construction there is the potential for the disturbance of QI birds. No operational impacts predicted. | | <p>the works are taking place in the existing urban environment, the lack of direct hydrological link and the small scale of the works no in-combination effects are possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Callow Bog SAC is approximately 1.6km north-west from the scheme, and no hydrological link exists. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site. Lough Gara SPA is approximately 2km north from the scheme and is hydrologically connected via the Breedoge Stream. NIS available which identified pollution, disturbance and habitat loss of supporting habitats as LSEs for this site. There is the potential for in-combination effects from disturbance during construction. Bellanagare Bog SPA is approximately 500m east from the scheme. NIS available which identified disturbance, loss of supporting habitat outside the European site, and population fragmentation as LSEs for this site. There is the potential for in-combination effects from disturbance during construction.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Callow Bog SAC is approximately 50km south-west from the scheme and therefore no in-combination effects are predicted. Lough Gara SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 45km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 60km north-west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 52km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Banagher Regeneration Projects</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 85km north-west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 74km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Boyle Regeneration</u></p> <p>Callow Bog SAC is approximately 15km south-west from the scheme, but the hydrological link is upstream, so no in-combination effects are predicted. Lough Gara SPA is approximately 6km south-west from the scheme. However, given the hydrological link is upstream and given the urban context of the scheme no in-combination effects are predicted. Bellanagare Bog SPA is approximately 15km south-west from the scheme. However, given the urban context of the scheme no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit.</u></p> <p>Callow Bog SAC is approximately 30km west from these schemes and therefore no in-combination effects are predicted. Lough Gara SPA is approximately 20km west from these schemes and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 23km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carrick on Shannon to Battlebridge Blueway</u></p> <p>Callow Bog SAC is approximately 30km west from the scheme and therefore no in-combination effects are predicted. Lough Gara SPA is approximately 20km west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 23km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlepollard Regeneration</u></p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Callow Bog SAC and Lough Gara SPA are approximately 80km north-west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 76km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Raheen, Clara</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 85km north-west from the scheme. Bellanagare Bog SPA is approximately 74km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 74km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u></p> <p>Callow Bog SAC is approximately 70km west from the scheme and therefore no in-combination effects are predicted. Lough Gara SPA is approximately 60km west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 61km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 40km north-west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 33km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Longford Connected Regeneration: St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 50km north-west from these schemes and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 43km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Mohill Public Realm</u></p> <p>Callow Bog SAC is approximately 45km west from the scheme. Lough Gara SPA is approximately 35km west from the scheme. Bellanagare Bog SPA is approximately 36km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 35km or more distant, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 85km north-west from these schemes and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 77km north-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Portluncula University Hospital Ward Block</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 65km north-west from the scheme and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 54km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 35km north-west from these schemes and therefore no in-combination effects are predicted. Bellanagare Bog SPA is approximately 25km north-west from these schemes and therefore no in-</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>combination effects are predicted.</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 95km north-west from the scheme. Bellanagare Bog SPA is approximately 85km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 85km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u></p> <p>Callow Bog SAC and Lough Gara SPA are approximately 95km north-west from the scheme. Bellanagare Bog SPA is approximately 85km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 85km or more distant, no in-combination effects are possible.</p> | | | |
| SAF-084 Increase GW abstraction for Mountbellew WRZ to supply deficit, decommission Ballygar WTP. Option study area is hydrologically linked via a karstic aquifer to the Carrownagappul Bog SAC which is 4.2km away. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability. Option study area is hydrologically linked to the River Suck Callows SPA which is 1.8km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is the potential for disturbance to QI birds. No operational impacts predicted. Option study area is within the Zone of Influence of the Four Roads Turlough SPA which is 5km away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted. Option study area is within the Zone of Influence of the Lough Croan Turlough SPA which is 8.7km away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted. | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Water table/availability | <p><u>Athlone Town Centre Regeneration and Enhancement</u></p> <p>Carrownagappul Bog SAC is approximately 35km west from the scheme. River Suck Callows SPA is approximately 18km west from the scheme, but no hydrological connection exists. Four Roads Turlough SPA is approximately 21km west from the scheme, but no hydrological connection exists. Lough Croan Turlough SPA is approximately 16km north-west from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 16km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u></p> <p>Carrownagappul Bog SAC is approximately 35km west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 18km west from these schemes, and no hydrological connection exists. However, no in-combination impacts are predicted given the urban context of these schemes and lack of a hydrological link. Four Roads Turlough SPA is approximately 21km west from these schemes and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 16km north-west from these schemes, and no hydrological connection exists. However, no in-combination impacts are predicted given the urban context of these schemes.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u></p> <p>Carrownagappul Bog SAC is approximately 45km south from the scheme. River Suck Callows SPA is approximately 35km south-east from the scheme. Four Roads Turlough SPA is approximately 48km south-east from the scheme. Lough Croan Turlough SPA is approximately 51km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 35km or more distant, no in-combination effects are possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Carrownagappul Bog SAC is approximately 40km south from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 20km south-west from the scheme, and no hydrological connection exists, therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 31km south-west from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 31km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Carrownagappul Bog SAC is approximately 75km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is</p> | <p>Yes – from disturbance impacts on the River Suck Callows SPA if construction phase is concurrent with the Banagher Regeneration Projects works.</p> <p>Yes – from disturbance impacts on the River Suck Callows SPA, Four Roads Turlough SPA and Lough Croan Turlough SPA if construction phase is concurrent with the Roscommon Rehabilitation Unit Works, the Roscommon Sewerage Scheme works, the Sacred Heart Hospital works, and the Roscommon Town Regeneration works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects.</p> | N |

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| | | <p>approximately 60km south-west from the scheme and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 66km south-west from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 67km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Carrownagappul Bog SAC is approximately 45km west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 35km west from the scheme and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 31km west from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 27km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Banagher Regeneration Projects</u></p> <p>Carrownagappul Bog SAC is approximately 45km north-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 10km north from the scheme and is hydrologically linked upstream. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for the Banagher Regeneration Projects assumed as assessment not available at time of writing). Four Roads Turlough SPA is approximately 39km north-west from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 35km north-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Boyle Regeneration</u></p> <p>Carrownagappul Bog SAC is approximately 50km south from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 40km south from the scheme and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 50km south from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 52km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit.</u></p> <p>Carrownagappul Bog SAC is approximately 55km south-west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 40km south-west from these schemes and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 48km south-west from these schemes and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 49km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carrick on Shannon to Battlebridge Blueway</u></p> <p>Carrownagappul Bog SAC is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 48km south-west from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 49km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlepollard Regeneration</u></p> <p>Carrownagappul Bog SAC is approximately 80km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 65km west from the scheme and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 64km south-west from the scheme and therefore no in-combination effects are predicted. Lough Croan</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Turlough SPA is approximately 61km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Raheen social housing, Clara</u></p> <p>Carrownagappul Bog SAC is approximately 60km west from the scheme. River Suck Callows SPA is approximately 30km west from the scheme. Four Roads Turlough SPA is approximately 44km north-west from the scheme. Lough Croan Turlough SPA is approximately 40km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 30km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u></p> <p>Carrownagappul Bog SAC is approximately 70km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 56km south-west from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u></p> <p>Carrownagappul Bog SAC is approximately 35km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 24km south-west from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 23km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Longford Connected Regeneration; St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u></p> <p>Carrownagappul Bog SAC is approximately 50km south-west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 35km south-west from these schemes and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 36km south-west from these schemes and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 36km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Mohill Public Realm</u></p> <p>Carrownagappul Bog SAC is approximately 60km south-west from the scheme. River Suck Callows SPA is approximately 45km south-west from the scheme. Four Roads Turlough SPA is approximately 51km south-west from the scheme. Lough Croan Turlough SPA is approximately 51km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 45km or more distant, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Carrownagappul Bog SAC is approximately 75km west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 60km west from these schemes and therefore no in-combination effects are predicted. Four Roads Turlough SPA is approximately 57km west from these schemes and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 53km west from these schemes and therefore no in-combination effects are predicted.</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Portiuncula University Hospital Ward Block</u></p> <p>Carrownagappul Bog SAC is approximately 25km north-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 1km east from the scheme. However, there is no hydrological connection and given the works are taking place in an urban site no in-combination effects are predicted. Four Roads Turlough SPA is approximately 20km north from the scheme and therefore no in-combination effects are predicted. Lough Croan Turlough SPA is approximately 19km north-east from the scheme. However, there is no hydrological connection and the works are taking place in an urban site. Therefore, no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u></p> <p>Carrownagappul Bog SAC is approximately 25km south-west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 6km south-west from these schemes, and no hydrological link exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Four Roads Turlough SPA is approximately 12km south from these schemes and no hydrological link exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Lough Croan Turlough SPA is approximately 13km south from these schemes and no hydrological link exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u></p> <p>Carrownagappul Bog SAC is approximately 70km north-west from the scheme. River Suck Callows SPA is approximately 35km west from the scheme. Four Roads Turlough SPA is approximately 54km north-west from the scheme. Lough Croan Turlough SPA is approximately 49km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 35km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u></p> <p>Carrownagappul Bog SAC is approximately 70km north-west from the scheme. River Suck Callows SPA is approximately 35km west from the scheme. Four Roads Turlough SPA is approximately 54km north-west from the scheme. Lough Croan Turlough SPA is approximately 49km north-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 35km or more distant, no in-combination effects are possible.</p> | | | |
| SAF-534 (TG1-SAF-081, TG1-SAF-133) Increase GW abstraction at Gortgarrow Spring, upgrade WTP. Rationalise to Dunmore Glenamaddy. Option study area is hydrologically linked via ZOC to the Lough Corrib SAC which is 300m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. During operation there is the | <ul style="list-style-type: none"> Mortality risk Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>Athlone Town Centre Regeneration and Enhancement</u></p> <p>Lough Corrib SAC is approximately 45km west from the scheme. Shankill West Bog SAC is approximately 40km north-west from the scheme. River Suck Callows SPA is approximately 18km west from the scheme, but no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 18km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Athlone Flood Relief Scheme; Lissywollen social housing, Athlone; St Vincent's Care Centre, Athlone; Loughanaskin Regeneration; and Athlone Sewerage Scheme</u></p> <p>Lough Corrib SAC is approximately 45km west from these schemes and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately</p> | Yes – from disturbance impacts on the River Suck Callows SPA if construction phase is concurrent with the Banagher Regeneration Projects works. | General Mitigation Measures are outlined in Section 6.3.3 With the implementation of mitigation as noted above there will be no adverse effects on the integrity of these European sites, either alone or in-combination with other plans or projects. | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| <p>potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is hydrologically linked to the Shankill West Bog SAC which is 330m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts predicted.</p> <p>Option study area is in the Zone of Influence of the River Suck Callows SPA which is 16.2km away. During construction there is the potential for the disturbance of QI birds. No operational impacts predicted.</p> | | <p>40km north-west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 18km west from these schemes, and no hydrological connection exists. However, no in-combination impacts are predicted given the urban context of these schemes.</p> <p><u>Ballaghaderreen Public Realm Enhancement</u></p> <p>Lough Corrib SAC is approximately 25km south-west from the scheme. Shankill West Bog SAC is approximately 40km south from the scheme. River Suck Callows SPA is approximately 35km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 25km or more distant, no in-combination effects are possible.</p> <p><u>N5 Ballaghaderreen to Scramoge</u></p> <p>Lough Corrib SAC is approximately 25km south-west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 40km south from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 20km south-west from the scheme, and no hydrological connection exists, therefore no in-combination effects are predicted.</p> <p><u>The Junction, Regeneration of Ballinamore</u></p> <p>Lough Corrib SAC is approximately 70km south-west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 76km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 60km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Ballymahon 'Pobal le Cheile' works</u></p> <p>Lough Corrib SAC is approximately 60km west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 50km west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 35km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Banagher Regeneration Projects</u></p> <p>Lough Corrib SAC is approximately 45km north-west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 50km north-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 10km north from the scheme and is hydrologically linked upstream. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for the Banagher Regeneration Projects assumed as assessment not available at time of writing).</p> <p><u>Boyle Regeneration</u></p> <p>Lough Corrib SAC is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 50km south from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 40km south from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Autumn View social housing, Summerhill, Carrick on Shannon; and Carrick On Shannon Community Nursing Unit.</u></p> <p>Lough Corrib SAC is approximately 50km south-west from these schemes and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 55km south-west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 40km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Carrick on Shannon to Battlebridge Blueway</u></p> <p>Lough Corrib SAC is approximately 50km south-west from the scheme and therefore</p> | <p>works, the Sacred Heart Hospital works, and the Roscommon Town Regeneration works.</p> | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>no in-combination effects are predicted. Shankill West Bog SAC is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Castlepollard Regeneration</u></p> <p>Lough Corrib SAC is approximately 90km west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 85km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 65km west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Raheen social housing, Clara</u></p> <p>Lough Corrib SAC is approximately 65km west from the scheme and. Shankill West Bog SAC is approximately 65km north-west from the scheme. River Suck Callows SPA is approximately 30km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 30km or more distant, no in-combination effects are possible.</p> <p><u>Historic Granard Motte Project</u></p> <p>Lough Corrib SAC is approximately 75km west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 75km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 55km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Enhancement of Attractiveness of Lanesborough as a Tourism Destination</u></p> <p>Lough Corrib SAC is approximately 40km west from the scheme and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 40km south-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 20km south-west from the scheme and therefore no in-combination effects are predicted.</p> <p><u>Longford Connected Regeneration; St Joseph's Care Centre, Longford; Camlin Quarter Regeneration</u></p> <p>Lough Corrib SAC is approximately 55km west from these schemes and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 55km south-west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 35km south-west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Mohill Public Realm</u></p> <p>Lough Corrib SAC is approximately 60km west from the scheme. Shankill West Bog SAC is approximately 65km south-west from the scheme. River Suck Callows SPA is approximately 45km south-west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 45km or more distant, no in-combination effects are possible.</p> <p><u>Blackhall Regeneration, Mullingar; Canal Avenue & Environs Regeneration Project; Ardmore Road social housing, Mullingar; and Railway Terrace social housing, Mullingar.</u></p> <p>Lough Corrib SAC is approximately 80km west from these schemes and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 85km west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 60km west from these schemes and therefore no in-combination effects are predicted.</p> <p><u>Portiuncula University Hospital Ward Block</u></p> <p>Lough Corrib SAC is approximately 25km west from the scheme and therefore no</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>in-combination effects are predicted. Shankill West Bog SAC is approximately 30km north-west from the scheme and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 1km east from the scheme. However, there is no hydrological connection and the works are taking place in an urban site. Therefore, no in-combination effects are predicted.</p> <p><u>Roscommon Rehabilitation Unit Works; Roscommon Sewerage Scheme; Sacred Heart Hospital, Roscommon; and Roscommon Town Regeneration, Putting the spokes back into the hub</u></p> <p>Lough Corrib SAC is approximately 30km west from these schemes and therefore no in-combination effects are predicted. Shankill West Bog SAC is approximately 25km south-west from these schemes and therefore no in-combination effects are predicted. River Suck Callows SPA is approximately 6km south-west from these schemes, and no hydrological link exists. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing).</p> <p><u>Kearney's Field social housing, Tullamore, Co. Offaly</u></p> <p>Lough Corrib SAC is approximately 75km west from the scheme. Shankill West Bog SAC is approximately 75km north-west from the scheme. River Suck Callows SPA is approximately 35km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 35km or more distant, no in-combination effects are possible.</p> <p><u>Tullamore Urban Regeneration and Development 2020</u></p> <p>Lough Corrib SAC is approximately 75km west from the scheme. Shankill West Bog SAC is approximately 75km north-west from the scheme. River Suck Callows SPA is approximately 35km west from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are more than 35km or more distant, no in-combination effects are possible.</p> | | | |
| All Preferred Options The European sites that may be impacted by options within Study Area F are Callow Bog SAC, Carrownagappul Bog SAC, Corliskea/ Trier/ Cloonfelliv Bog SAC, Fortwilliam Turlough SAC, Lough Corrib SAC, Lough Forbes Complex SAC, Lough Ree SAC, Shankill West Bog SAC, Ballykenny-Fisherstown Bog SPA, Bellanagare Bog SPA, Lough Derravaragh SPA, Four Roads Turlough SPA, Garriskil Bog SPA, Lough Croan Turlough SPA, Lough Gara SPA, Lough Kinale and Derragh Lough SPA, Lough Ree SPA, Lough Sheelin SPA, and River Suck Callows SPA. | <ul style="list-style-type: none"> Habitat loss Mortality Habitat degradation Disturbance Spread of invasive non-native species Water table/availability | <p><u>All Preferred Options</u></p> <p>Option SAF-052 is the only option within SAF with potential for impacts on the Callow Bog SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-084 is the only option within SAF with potential for impacts on the Carrownagappul Bog SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-039 is the only option within SAF with potential for impacts on the Corliskea/ Trier/ Cloonfelliv Bog SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-021 is the only option within SAF with potential for impacts on the Fortwilliam Turlough SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-534 is the only option within SAF with potential for impacts on the Lough Corrib SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-009 is the only option within SAF with potential for impacts on the Lough Forbes Complex SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Options SAF-021 and SAF-038 are the only options within SAD with potential for impacts on Lough Ree SAC. However, different impacts are predicted for each site. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-534 is the only option within SAF with potential for impacts on the Shankill West Bog SAC. Therefore, there is no potential for in-combination effects to</p> | <p>Yes – from disturbance impacts on Lough Ree SPA if construction of options is concurrent.</p> <p>Yes – from disturbance impacts on River Suck Callows SPA if construction of options is concurrent.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>this European site.</p> <p>Option SAF-009 is the only option within SAF with potential for impacts on the Ballykenny-Fisherstown Bog SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-052 is the only option within SAF with potential for impacts on the Bellanagare Bog SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-030 is the only option within SAF with potential for impacts on the Lough Derravaragh SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-084 is the only option within SAF with potential for impacts on the Four Roads Turlough SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-030 is the only option within SAF with potential for impacts on the Garriskil Bog SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-084 is the only option within SAF with potential for impacts on the Lough Croan Turlough SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-052 is the only option within SAF with potential for impacts on the Lough Gara SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAF-030 is the only option within SAF with potential for impacts on the Lough Kinale and Derragh Lough SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAF to the Lough Ree SPA given that options SAF-009, SAF-021 and SAF-038 have the potential for impacts. Potential for in-combination effects from disturbance during construction.</p> <p>Option SAF-030 is the only option within SAF with potential for impacts on the Lough Sheelin SPA. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAF to the River Suck Callows SPA given that options SAF-038, SAF-084 and SAF-534 have the potential for impacts. Potential for in-combination effects from disturbance during construction.</p> | | | |

Table E7: SAG-Potential in-combination effects with other projects and options within SAG

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| STUDY AREA G | | | | | |
| <p>SAG-001</p> <p>Increase the existing GW abstraction at Kilkeedy BH, upgrade Kilkeedy WTP and new storage.</p> <p>Option study area is within the East Burren Complex SAC. During construction there is the potential for the loss of QI habitats and supporting habitats. As a result of this loss there is a risk of mortality to QI species and their prey. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is in the Zone of Influence of the Corofin Wetlands SPA which is 6km away. During construction there is the potential for disturbance to QI bird species. No operational impacts predicted.</p> <p>Option study area is in the Zone of Influence of the Coole-Garryland SPA which is 7.7km away. During construction there is the potential for disturbance to QI bird species. No operational impacts predicted.</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>N21/N69 Limerick to Adare to Foynes</u></p> <p>East Burren Complex SAC is 40km north from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 53km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Athenry/Bia Innovator</u></p> <p>East Burren Complex SAC is 25km south from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 20km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Barrack Square and Old Barrack Street and O'Connell Square and High Street; Clonroadmore Wastewater Treatment Plant; Ennis Town Centre Regeneration; Ennis Library; and St Joseph's Community Nursing Unit, Ennis</u></p> <p>East Burren Complex SAC is 13km north from these schemes. However, it is hydrologically connected upstream and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 11km north-west from these schemes. However, it is hydrologically connected upstream, and given the urban location of the works no in-combination impacts are predicted. Coole-Garryland SPA is approximately 25km north-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Foynes Port Capacity Extension Works; and Foynes Flying Boat & Maritime Museum</u></p> <p>East Burren Complex SAC is 40km north from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 53km north-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists. Corofin Wetlands SPA is 35km south from the scheme. Coole-Garryland SPA is approximately 21km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 14km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Galway City Ring Road</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 22km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 23km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour;</u></p> | <p>Yes – from disturbance impacts on the Corofin Wetlands SPA and the Coole-Garryland SPA if construction phase is concurrent with Gort Lowlands Flood Relief Scheme works.</p> <p>Yes – from disturbance impacts on the Corofin Wetlands SPA and the Coole-Garryland SPA if construction phase is concurrent with Kinvara Boardwalk and Walkway works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway; and University College Hospital Galway, Radiation Oncology Unit</u></p> <p>East Burren Complex SAC is 14km south from these schemes, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 20km south-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Gort Lowlands Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 2km west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 15km south-west from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing). Coole-Garryland SPA is within the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Shannon Crossing/Killaloe Bypass/R494 Upgrade</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 39km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>East Burren Complex SAC is 4km south-west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 19km south from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing). Coole-Garryland SPA is approximately 6km south-east from the scheme and hydrologically connected via the Kilcreest waterbody. No NIS available so there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Lahinch Wastewater Treatment Plant</u></p> <p>East Burren Complex SAC is 15km north-east from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 16km east from the scheme and not hydrologically linked. No in-combination impacts are predicted given the nature of the works (upgrading the wastewater treatment plant). Coole-Garryland SPA is approximately 34km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>King's Island Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 46km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Opera Site, Limerick</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 47km north-west from the scheme and therefore no</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>in-combination impacts are predicted.</p> <p><u>Digital Collaboration and Virtual Reality Centre; Condell Road social housing, Clonmaken; Clonmacken social housing, Limerick City; Limerick Library; Limerick Flood Relief Scheme; Limerick Wastewater Treatment Plant; LIT Applied Science & IT Building; The National Laboratory; Coonagh to Knockalisheen; Station; Churchfield, Southhill social housing; and St. Camillus Community Hospital</u></p> <p>East Burren Complex SAC is 40km north-west from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 46km north-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Listowel Bypass</u></p> <p>East Burren Complex SAC is 60km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 60km north-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Inis Cealtra Island</u></p> <p>East Burren Complex SAC is 30km west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>East Burren Complex SAC is 25km south-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km south-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 32km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Murroe Community Hub</u></p> <p>East Burren Complex SAC is 50km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 55km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Shannon Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 30km north from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 30km north from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 38km north from the scheme and therefore no in-combination impacts are predicted.</p> | | | |
| <p>SAG-039</p> <p>Increase existing GW abstraction from boreholes (poorly productive bedrock) upgrade Gort WTP and lay new water mains.</p> <p>Option study area is hydrologically linked to the Coole-Garryland Complex SAC which is 5km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts predicted.</p> | <ul style="list-style-type: none"> Habitat degradation | <p><u>N21/N69 Limerick to Adare to Foynes</u></p> <p>Coole-Garryland Complex SAC is approximately 53km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Athenry/Bia Innovator</u></p> <p>Coole-Garryland Complex SAC is approximately 19km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Barrack Square and Old Barrack Street and O'Connell Square and High Street; Clonroadmore Wastewater Treatment Plant; Ennis Town Centre Regeneration; Ennis Library; and St Joseph's Community Nursing Unit, Ennis</u></p> <p>Coole-Garryland Complex SAC is approximately 25km north-east from these schemes and therefore no in-combination impacts are predicted.</p> | <p>Yes – from pollution effects on the Coole-Garryland Complex SAC if construction phase is concurrent with the Gort Lowlands Flood Relief Scheme works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Foynes Port Capacity Extension Works; and Foynes Flying Boat & Maritime Museum</p> <p>Coole-Garryland Complex SAC is approximately 53km north-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Coole-Garryland Complex SAC is approximately 19km south-east from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. The European site is 19km or more distant and not hydrologically connected, no in-combination effects are possible due to the nature and scale of the proposed works, the distance from the works and the lack of a hydrological connection.</p> <p><u>Galway City Ring Road</u></p> <p>Coole-Garryland Complex SAC is approximately 20km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Coole-Garryland Complex SAC is approximately 21km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway Station; and University College Hospital Galway, Radiation Oncology Unit</u></p> <p>Coole-Garryland Complex SAC is approximately 18km south-east from these schemes with no hydrological connection and therefore no in-combination impacts are predicted.</p> <p><u>Gort Lowlands Flood Relief Scheme</u></p> <p>Coole-Garryland Complex SAC is within the scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Shannon Crossing/Killaloe Bypass/R494 Upgrade</u></p> <p>Coole-Garryland Complex SAC is approximately 38km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Coole-Garryland Complex SAC is approximately 6km south-east from the scheme and hydrologically connected via the Kilchreest waterbody. However, the European site is upstream of the scheme, therefore no in-combination impacts are predicted.</p> <p><u>Lahinch Wastewater Treatment Plant</u></p> <p>Coole-Garryland Complex SAC is approximately 34km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>King's Island Flood Relief Scheme</u></p> <p>Coole-Garryland Complex SAC is approximately 46km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Opera Site, Limerick</u></p> <p>Coole-Garryland Complex SAC is approximately 47km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Digital Collaboration and Virtual Reality Centre; Condell Road social housing, Clonmaken; Clonmacken social housing, Limerick City; Limerick Library; Limerick Flood Relief Scheme; Limerick Wastewater Treatment Plant; LIT Applied Science & IT Building; The National Laboratory; Coonagh to Knockalishen; Churchfield, Southhill social housing; and St. Camillus Community Hospital</u></p> <p>Coole-Garryland Complex SAC is approximately 46km north-west from these</p> | | | |

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| | | <p>schemes and therefore no in-combination impacts are predicted.</p> <p><u>Listowel Bypass</u></p> <p>Coole-Garryland Complex SAC is approximately 64km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Inis Cealtra Island</u></p> <p>Coole-Garryland Complex SAC is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Coole-Garryland Complex SAC is approximately 30km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Murroe Community Hub</u></p> <p>Coole-Garryland Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Shannon Flood Relief Scheme</u></p> <p>Coole-Garryland Complex SAC is approximately 38km north from the scheme and therefore no in-combination impacts are predicted.</p> | | | |
| SAG-046 | <ul style="list-style-type: none"> Habitat degradation Disturbance Water table/availability <p>Option study area is hydrologically linked to the Galway Bay Complex SAC which is 300m away. During construction there is the potential for the pollution of QI habitats and supporting habitats. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is in the Zone of Influence of the Caherglassaun Turlough SAC which is 2.6km away. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is in Zone of Influence of the Cahermore Turlough SAC which is 2.6km away. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is in Zone of Influence of the East Burren Complex SAC which is 3.7km away. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> <p>Option study area is in Zone of Influence of the Coole-Garryland Complex SAC which is 4.7km away. No construction impacts predicted. During operation there is the potential for habitat degradation and a reduction in flow and water availability.</p> | <p><u>N21/N69 Limerick to Adare to Foynes</u></p> <p>Galway Bay Complex SAC is approximately 55km north from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 55km north from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 60km north-east from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 40km north from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 50km north-east from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 55km north from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 50km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Athenry/Bia Innovator</u></p> <p>Galway Bay Complex SAC is approximately 8km south-west from the scheme and is hydrologically linked via the Clarinbridge River. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Caherglassaun Turlough SAC is approximately 20km south-west from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is 20km south-west from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 25km south from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 19km south-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 10km south-west from the scheme and is hydrologically linked via the Clarinbridge River. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. (LSEs for this scheme assumed as assessment not available at time of writing). Coole-Garryland SPA is approximately 20km south-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Barrack Square and Old Barrack Street and O'Connell Square and High Street; Clonroadmore Wastewater Treatment Plant; Ennis Town Centre Regeneration; Ennis Library; and St Joseph's Community Nursing Unit, Ennis.</u></p> | <p>Yes – from pollution impacts on the Galway Bay Complex SAC and from pollution and disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Athenry/Bia Innovator works and during operation from habitat degradation and water table/availability on the Galway Bay Complex SAC.</p> <p>Yes – from pollution impacts on the Galway Bay Complex SAC and from pollution and disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Galway City Ring Road works.</p> <p>Yes – from pollution impacts on the Galway Bay Complex SAC and from pollution and disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works and during operation from habitat degradation on the Galway Bay Complex SAC.</p> <p>Yes – from pollution impacts on the Galway Bay Complex SAC and from pollution and disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works and during operation from habitat degradation on the Galway Bay Complex SAC.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5 Hydrogeological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| <p>Option study area is hydrologically linked to the Inner Galway Bay SPA which is 1.7km away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts are predicted.</p> <p>Option study area is in close proximity to the Coole-Garryland SPA which is 4.7km away. During construction there is the potential for disturbance to QI bird species. No operational impacts predicted.</p> <p>Option study area is in Zone of Influence of the Corofin Wetlands SPA which is 17.4km away. During construction there is the potential for disturbance to QI bird species. No operational impacts predicted.</p> | | <p>Galway Bay Complex SAC is approximately 30km north-west from these schemes and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 25km north-east from these schemes and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is 30km north-east from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 13km north from these schemes. However, it is hydrologically connected upstream and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 25km north-east from these schemes and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 30km north-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 25km north-east from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 11km north-west from these schemes. However, it is hydrologically connected upstream, and given the urban location of the works no in-combination impacts are predicted.</p> <p><u>Foynes Port Capacity Extension Works; and Foynes Flying Boat & Maritime Museum</u></p> <p>Galway Bay Complex SAC is approximately 55km north from these schemes and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 55km north-east from these schemes and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 60km north-east from these schemes and therefore no in-combination impacts are predicted. East Burren Complex SAC is 40km north from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 50km north-east from these schemes and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 55km north from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 50km north-east from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Galway Bay Complex SAC is approximately 800m south from this scheme however no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. Caherglassaun Turlough SAC is approximately 20km south-east from this scheme. Cahermore Turlough SAC is approximately 18km south from this scheme however no hydrological connection exists. East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists. Coole-Garryland Complex SAC is approximately 19km south-east from the scheme. Inner Galway Bay SPA is approximately 840m south from this scheme however no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. Coole-Garryland SPA is approximately 21km south-east from the scheme. Corofin Wetlands SPA is 35km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 800m or more distant and not hydrologically connected, no in-combination effects are possible due to the nature and scale of the proposed works, the distance from the works and the lack of a hydrological connection.</p> <p><u>Galway City Ring Road</u></p> <p>Galway Bay Complex SAC is approximately 160m south from this scheme and is hydrologically connected via a number of watercourses. NIS available which identified pollution, spread of invasive species, disturbance to otter and mortality risk to otter during construction and mortality risk to otter during operation as LSEs for this European site. There is the potential for in-combination effects from pollution during construction. Caherglassaun Turlough SAC is approximately 20km south-east from this scheme and therefore no in-combination impacts are predicted. Cahermore</p> | <p>Galway Bay SPA if construction phase is concurrent with the Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway Station; and University College Hospital Galway, Radiation Oncology Unit works and during operation from habitat degradation and water table/availability on the Galway Bay Complex SAC.</p> <p>Yes – from pollution impacts on the Galway Bay Complex SAC and from pollution and disturbance impacts on the Inner Galway Bay SPA and from disturbance impacts on the Coole-Garryland SPA and the Corofin Wetlands SPA if construction phase is concurrent with Gort Lowlands Flood Relief Scheme works and during operation from habitat degradation and water table/availability on the Galway Bay Complex SAC, the Caherglassaun Turlough SAC, and the Coole-Garryland Complex SAC.</p> <p>Yes – from pollution impacts on the Galway Bay Complex SAC and from pollution and disturbance impacts on the Inner Galway Bay SPA and from disturbance impacts on the Coole-Garryland SPA and the Corofin Wetlands SPA if construction phase is concurrent with Kinvara Boardwalk and Walkway works.</p> <p>Yes – from disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with N59 Moycullen Bypass works.</p> | | |

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| | | <p>Turlough SAC is approximately 18km south from this scheme however no hydrological connection exists and therefore no in-combination impacts are predicted. East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 20km south-east from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 1.1km south from this scheme and is hydrologically connected via a number of watercourses. NIS available which identified pollution of groundwater and surface water and disturbance of birds during construction and pollution of groundwater during operation as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Coole-Garryland SPA is approximately 22km south-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Galway Bay Complex SAC is within this scheme and is hydrologically connected via the River Corrib. NIS available which identified habitat loss, habitat degradation, pollution, spread of invasive non-native species, disturbance, displacement, mortality and barrier effects during construction and pollution and barrier effects during operation as LSEs for this European site. There is the potential for in-combination effects from pollution during construction and from habitat degradation during operation. Caherglassaun Turlough SAC is approximately 20km south-east from this scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 18km south from this scheme however no hydrological connection exists and therefore no in-combination impacts are predicted. East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 21km south-east from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is adjacent to this scheme and is hydrologically connected via the River Corrib. NIS available which identified habitat loss, habitat degradation, pollution, spread of invasive non-native species, disturbance, displacement, mortality and barrier effects during construction and pollution and barrier effects during operation as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Coole-Garryland SPA is approximately 23km south-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway Station; and University College Hospital Galway, Radiation Oncology Unit</u></p> <p>Galway Bay Complex SAC is within these schemes and is hydrologically linked via the River Corrib. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Caherglassaun Turlough SAC is approximately 19km south-east from these schemes with no hydrological connection and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 18km south from this scheme however no hydrological connection exists and therefore no in-combination impacts are predicted. East Burren Complex SAC is 14km south from these schemes, however no hydrological link exists and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 18km south-east from these schemes with no hydrological connection and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is within these schemes and is</p> | | | |

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| | | <p>hydrologically linked via the River Corrib. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessments not available at time of writing). Coole-Garryland SPA is approximately 20km south-east from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Gort Lowlands Flood Relief Scheme</u></p> <p>Galway Bay Complex SAC is within this scheme and is hydrologically linked via the Kilchreest waterbody. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. In-combination effects during operation may result in habitat degradation and changes to water table/availability. Caherglassaun Turlough SAC is adjacent to this scheme and is hydrologically linked via the Kilchreest waterbody. No NIS available so it is assumed there is a potential for in-combination effects during operation from habitat degradation and changes to water table/availability. Cahermore Turlough SAC is 6km north-west from these schemes, but no hydrological connection exists and therefore no in-combination impacts are predicted. East Burren Complex SAC is 2km west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is within the scheme. No NIS available so it is assumed there is a potential for in-combination effects during operation from habitat degradation and changes to water table/availability. Inner Galway Bay SPA is within this scheme and is hydrologically linked via the Kilchreest waterbody. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. Coole-Garryland SPA is within the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessments not available at time of writing). Corofin Wetlands SPA is 15km south-west from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Shannon Crossing/Killaloe Bypass/R494 Upgrade</u></p> <p>Galway Bay Complex SAC is approximately 50km north-west from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 40km north-west from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 45km north-west from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 40km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 50km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 40km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Galway Bay Complex SAC is within this scheme and is hydrologically linked via the Kilchreest waterbody. No NIS available so it is assumed there is a potential for in-combination effects from pollution during construction. Caherglassaun Turlough SAC is approximately 4km south-east from the scheme and is hydrologically linked via the Kilchreest waterbody. However, the European site is upstream of the works, therefore no in-combination impacts are predicted. Cahermore Turlough SAC is 4km south-east from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. East Burren Complex SAC is 4km south-west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 6km south-</p> | | | |

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| | | <p>east from the scheme and hydrologically connected via the Kilchreest waterbody. However, the European site is upstream of the scheme, therefore no in-combination impacts are predicted. Inner Galway Bay SPA is within this scheme and is hydrologically linked via the Kilchreest waterbody. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction. Coole-Garryland SPA is approximately 6km south-east from the scheme and hydrologically connected via the Kilchreest waterbody. No NIS available so there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessments not available at time of writing). Corofin Wetlands SPA is 19km south from scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Lahinch Wastewater Treatment Plant</u></p> <p>Galway Bay Complex SAC is approximately 25km north-east from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 35km north-east from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 35km north-east from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 15km north-east from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 35km north-east from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 25km north-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 35km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 16km east from the scheme and not hydrologically linked. No in-combination impacts are predicted given the nature of the works (upgrading the wastewater treatment plant).</p> <p><u>King's Island Flood Relief Scheme</u></p> <p>Galway Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 50km north-west from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 50km north-west from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 45km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 45km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Opera Site, Limerick</u></p> <p>Galway Bay Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 50km north-west from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 50km north-west from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 45km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 45km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted.</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>no in-combination impacts are predicted.</p> <p><u>Digital Collaboration and Virtual Reality Centre</u>; <u>Condell Road social housing</u>, <u>Clonmaken</u>; <u>Clonmacken social housing</u>, <u>Limerick City</u>; <u>Limerick Library</u>; <u>Limerick Flood Relief Scheme</u>; <u>Limerick Wastewater Treatment Plant</u>; <u>LIT Applied Science & IT Building</u>; <u>The National Laboratory</u>; <u>Coonagh to Knockalisheen</u>; <u>Churchfield</u>, <u>Southhill social housing</u>; and <u>St. Camillus Community Hospital</u></p> <p>Galway Bay Complex SAC is approximately 57km north-west from these schemes and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 51km north-west from these schemes and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 50km north-west from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 40km north-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 46km north-west from these schemes and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 57km north-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 46km north-west from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Listowel Bypass</u></p> <p>Galway Bay Complex SAC is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 85km north-east from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 60km north-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 60km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Inis Cealtra Island</u></p> <p>Galway Bay Complex SAC is approximately 41km north-west from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 35km north-west from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 35km north-west from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 30km west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 41km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Galway Bay Complex SAC is approximately 6.5km south-east from the scheme and is hydrologically connected via Ballyquirke Lough and Lough Corrib. In-combination impacts are not predicted as Ballyquirke Lough, Lough Corrib and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Caherglassaun Turlough SAC is approximately 30km south-east from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is</p> | | | |

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| | | <p>approximately 30km south-east from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 25km south-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 30km south-east from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 7.5km south-east from the scheme and is hydrologically connected via Ballyquirke Lough and Lough Corrib. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessment not available at time of writing). Coole-Garryland SPA is approximately 30km south-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Murroe Community Hub</u></p> <p>Galway Bay Complex SAC is approximately 65km north-west from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 60km north-west from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 60km north-west from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 50km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 65km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 55km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Shannon Flood Relief Scheme</u></p> <p>Galway Bay Complex SAC is approximately 45km north-west from the scheme and therefore no in-combination impacts are predicted. Caherglassaun Turlough SAC is approximately 40km north from the scheme and therefore no in-combination impacts are predicted. Cahermore Turlough SAC is approximately 45km north from the scheme and therefore no in-combination impacts are predicted. East Burren Complex SAC is 30km north from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland Complex SAC is approximately 40km north from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 45km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 40km north from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 30km north from the scheme and therefore no in-combination impacts are predicted.</p> | | | |
| <p>SAG-079</p> <p>Upgrade Corofin WTP.</p> <p>Option study area is within the East Burren Complex SAC. During construction there is the potential for the pollution of QI habitats and supporting habitats. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted.</p> <p>Option study area is within the Corofin Wetlands SPA. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is</p> | <ul style="list-style-type: none"> Habitat degradation Disturbance Spread of invasive non-native species | <p><u>N21/N69 Limerick to Adare to Foynes</u></p> <p>East Burren Complex SAC is 40km north from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Athenry/Bia Innovator</u></p> <p>East Burren Complex SAC is 25km south from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Barrack Square and Old Barrack Street and O'Connell Square and High Street; Clonroadmore Wastewater Treatment Plant; Ennis Town Centre Regeneration; Ennis Library; and St Joseph's Community Nursing Unit, Ennis.</u></p> <p>East Burren Complex SAC is 13km north from these schemes. However, it is hydrologically connected upstream and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 11km north-west from these schemes. However,</p> | <p>Yes – from disturbance impacts on the Corofin Wetlands SPA if construction phase is concurrent with Gort Lowlands Flood Relief Scheme works.</p> <p>Yes – from disturbance impacts on the Corofin Wetlands SPA if construction phase is concurrent with Kinvara Boardwalk and Walkway works.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

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| potential for disturbance to birds given the location of works. No operational impacts predicted. | | <p>it is hydrologically connected upstream, and given the urban location of the works no in-combination impacts are predicted.</p> <p><u>Foynes Port Capacity Extension Works; and Foynes Flying Boat & Maritime Museum</u></p> <p>East Burren Complex SAC is 40km north from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists. Corofin Wetlands SPA is 35km south from the scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 14km or more distant and not hydrologically connected, no in-combination effects are possible.</p> <p><u>Galway City Ring Road</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway; and University College Hospital Galway, Radiation Oncology Unit</u></p> <p>East Burren Complex SAC is 14km south from these schemes, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Gort Lowlands Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 2km west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 15km south-west from the scheme and is not hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Shannon Crossing/Killaloe Bypass/R494 Upgrade</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>East Burren Complex SAC is 4km south-west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 19km south from the scheme and is not hydrologically linked. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Lahinch Wastewater Treatment Plant</u></p> <p>East Burren Complex SAC is 15km north-east from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted.</p> | | | |

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| | | <p>Corofin Wetlands SPA is 16km east from the scheme and not hydrologically linked. No in-combination impacts are predicted given the nature of the works (upgrading the wastewater treatment plant) and a lack of hydrological link.</p> <p><u>King's Island Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Opera Site, Limerick</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Digital Collaboration and Virtual Reality Centre; Condell Road social housing, Clonmaken; Clonmacken social housing, Limerick City; Limerick Library; Limerick Flood Relief Scheme; Limerick Wastewater Treatment Plant; LIT Applied Science & IT Building; The National Laboratory; Coonagh to Knockalisheen; Station; Churchfield, Southhill social housing; and St. Camillus Community Hospital</u></p> <p>East Burren Complex SAC is 40km north-west from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Listowel Bypass</u></p> <p>East Burren Complex SAC is 60km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 60km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Inis Cealtra Island</u></p> <p>East Burren Complex SAC is 30km west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>East Burren Complex SAC is 25km south-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Murroe Community Hub</u></p> <p>East Burren Complex SAC is 50km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 55km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Shannon Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 30km north from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 30km north from the scheme and therefore no in-combination impacts are predicted.</p> | | | |
| SAG-501 (TG1-SAG-016, TG1-SAG-057) A new storage, a new pump and new watermain to interconnect Ennistymon and West Clare. Old Doolough WTP will be decommissioned and Ballymacraven WTP and New Doolough WTP will be upgraded for water quality purposes as part of this option. Option study area is adjacent to and hydrologically linked to the Inagh River Estuary SAC which is 5m away. During construction there is the potential for the pollution of QI habitats and supporting | <ul style="list-style-type: none"> • Habitat degradation • Disturbance • Spread of invasive non-native species | <p><u>N21/N69 Limerick to Adare to Foynes</u></p> <p>Inagh River Estuary SAC is approximately 39km north-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 53km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Athenry/Bia Innovator</u></p> <p>Inagh River Estuary SAC is approximately 52km south-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 65km south-west from the scheme and</p> | <p>Yes – from disturbance impacts on the Coole-Garryland SPA if construction phase is concurrent with Gort Lowlands Flood Relief Scheme works.</p> <p>Yes – from disturbance impacts on the Coole-Garryland SPA if construction phase is concurrent with Kinvara Boardwalk and Walkway works.</p> | General Mitigation Measures are outlined in Section 6.3.3 With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects. | N |

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| <p>habitats. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Carrowmore Point to Spanish Point and Islands SAC which is 1.6km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts are predicted.</p> <p>Option study area is hydrologically linked to the Mid-Clare Coast SPA which is 1.6km away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts are predicted.</p> <p>Option study area is within the Zone of Influence of the Coole-Garryland SPA which is 11.2km away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts are predicted.</p> | | <p>therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 65km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 20km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Barrack Square and Old Barrack Street and O'Connell Square and High Street; Clonroadmore Wastewater Treatment Plant; Ennis Town Centre Regeneration; Ennis Library; and St Joseph's Community Nursing Unit, Ennis.</u></p> <p>Inagh River Estuary SAC is approximately 23km north-west from these schemes and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 31km west from these schemes and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 31km west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 25km north-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Foynes Port Capacity Extension Works; and Foynes Flying Boat & Maritime Museum</u></p> <p>Inagh River Estuary SAC is approximately 39km north-west from these schemes and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 31km north-west from these schemes and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 31km north-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 53km north-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Inagh River Estuary SAC is approximately 44km south-west from this scheme. Carrowmore Point to Spanish Point and Islands SAC is approximately 57km south-west from this scheme. Mid-Clare Coast SPA is approximately 57km south-west from this scheme. Coole-Garryland SPA is approximately 53km north-east from these schemes and therefore no in-combination impacts are predicted. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 44km or more distant and not hydrologically connected, no in-combination effects are possible due to the nature and scale of the proposed works, the distance from the works and the lack of a hydrological connection.</p> <p><u>Galway City Ring Road</u></p> <p>Inagh River Estuary SAC is approximately 34km south-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 47km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 47km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 22km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Inagh River Estuary SAC is approximately 39km south-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 52km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 52km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 23km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway</u></p> | <p>Yes – from pollution and spread of invasive non-native species impacts on the Inagh River Estuary SAC if construction phase is concurrent with the Lahinch Wastewater Treatment Plant works.</p> | | |

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| | | <p><u>Station; and University College Hospital Galway, Radiation Oncology Unit</u></p> <p>Inagh River Estuary SAC is approximately 39km south-west from these schemes and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 52km south-west from these schemes and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 52km south-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 20km south-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Gort Lowlands Flood Relief Scheme</u></p> <p>Inagh River Estuary SAC is approximately 20km south-west from the scheme with no hydrological connection and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 34km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 34km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is within the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Shannon Crossing/Killaloe Bypass/R494 Upgrade</u></p> <p>Inagh River Estuary SAC is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 66km west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 66km west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 39km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>Inagh River Estuary SAC is approximately 33km south-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 46km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 46km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 6km south-east from the scheme and hydrologically connected via the Kilcreest waterbody. No NIS available so there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Lahinch Wastewater Treatment Plant</u></p> <p>Inagh River Estuary SAC is adjacent to the scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution and spread of invasive non-native species during construction (LSEs for this scheme assumed as assessment not available at time of writing). Carrowmore Point to Spanish Point and Islands SAC is approximately 11km south-west from the scheme with no hydrological connection and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 11km south-west from the scheme with no hydrological connection. No in-combination impacts are predicted given the nature of the works (upgrading the wastewater treatment plant). Coole-Garryland SPA is approximately 34km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>King's Island Flood Relief Scheme</u></p> <p>Inagh River Estuary SAC is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 58km north-west from the scheme and</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 46km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Opera Site, Limerick</u></p> <p>Inagh River Estuary SAC is approximately 57km north-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 47km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Digital Collaboration and Virtual Reality Centre; Condell Road social housing, Clonmaken; Clonmacken social housing, Limerick City; Limerick Library; Limerick Flood Relief Scheme; Limerick Wastewater Treatment Plant; LIT Applied Science & IT Building; The National Laboratory; Coonagh to Knockalisheen; Churchfield, Southhill social housing; and St. Camillus Community Hospital</u></p> <p>Inagh River Estuary SAC is approximately 57km north-west from these schemes and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 58km north-west from these schemes and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 58km north-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 46km north-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Listowel Bypass</u></p> <p>Inagh River Estuary SAC is approximately 41km north from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 24km north-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 21km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Inis Cealtra Island</u></p> <p>Inagh River Estuary SAC is approximately 57km west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 66km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 66km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Inagh River Estuary SAC is approximately 42km south-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 55km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 55km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 32km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Murroe Community Hub</u></p> <p>Inagh River Estuary SAC is approximately 68km north-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 73km north-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is</p> | | | |

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| | | <p>approximately 73km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Shannon Flood Relief Scheme</u></p> <p>Inagh River Estuary SAC is approximately 35km north-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 37km north-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 37km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 38km north from the scheme and therefore no in-combination impacts are predicted.</p> | | | |
| SAG-506 (TG1-SAG-36, TG1-SAG-62) Increase GW abstraction from Turlough BH, upgrade Turlough WTP, decommission Carron WTP and new pump and new watermain. Option study area is within the East Burren Complex SAC . During construction there is the potential for the loss of QI habitats and supporting habitats. There is also the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability. Option study area is within the Moneen Mountain SAC . During construction there is the potential for the spread of invasive species within the SAC. During operation there is the potential for habitat degradation and a reduction in flow and water availability. Option study area is in the Zone of Influence of the Inner Galway Bay SPA which is 2.4km away. During construction there is the potential for disturbance to QI bird species. No operational impacts predicted. Option study area is in the Zone of Influence of the Corofin Wetlands SPA which is 9km away. During construction there is the potential for disturbance to QI bird species. No operational impacts predicted. Option study area is in the Zone of Influence of the Coole-Garryland SPA which is 12.4km away. During construction there is the potential for disturbance to QI bird species. No operational impacts predicted. | <ul style="list-style-type: none"> • Habitat loss • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>N21/N69 Limerick to Adare to Foynes</u></p> <p>East Burren Complex SAC and Moneen Mountain SAC are 40km north from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 57km north from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 53km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Athenry/Bia Innovator</u></p> <p>East Burren Complex SAC is 25km south-west from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 30km south-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 10km south-west from the scheme and is hydrologically linked via the Clarinbridge River. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessment not available at time of writing). Corofin Wetlands SPA is 40km south-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 20km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Barrack Square and Old Barrack Street and O'Connell Square and High Street; Clonroadmore Wastewater Treatment Plant; Ennis Town Centre Regeneration; Ennis Library; and St Joseph's Community Nursing Unit, Ennis.</u></p> <p>East Burren Complex SAC is 13km north from these schemes. However, it is hydrologically connected upstream and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 19km north from these schemes, but no hydrological link exists and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 30km north-west from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 11km north-west from these schemes. However, it is hydrologically connected upstream, and given the urban location of the works no in-combination impacts are predicted. Coole-Garryland SPA is approximately 25km north-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Foynes Port Capacity Extension Works; and Foynes Flying Boat & Maritime Museum</u></p> <p>East Burren Complex SAC and Moneen Mountain SAC are 40km north from these schemes and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 57km north from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km north from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 53km north-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological</p> | <p>Yes – from disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Athenry/Bia Innovator works.</p> <p>Yes – from disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Galway City Ring Road works.</p> <p>Yes – from disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Galway Public Spaces and Streets Project works.</p> <p>Yes – from disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with the Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway Station; and University College Hospital Galway, Radiation Oncology Unit works.</p> <p>Yes – from disturbance impacts on the Inner Galway Bay SPA, the Coole-Garryland SPA and the Corofin Wetlands SPA if construction phase is concurrent with Gort Lowlands Flood Relief</p> | <p>General Mitigation Measures are outlined in Section 6.3.3</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| | | <p>link exists. Moneen Mountain SAC is 15km south from the scheme, however no hydrological link exists. Inner Galway Bay SPA is approximately 840m south from this scheme and no hydrological connection exists. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. Corofin Wetlands SPA is 35km south from the scheme. Coole-Garryland SPA is approximately 21km south-east from the scheme. These European sites are 840m or more distant and not hydrologically connected, no in-combination effects are possible due to the nature and scale of the proposed works, the distance from the works and the lack of a hydrological connection.</p> <p><u>Galway City Ring Road</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 15km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 1.1km south from this scheme and is hydrologically connected via a number of watercourses. NIS available which identified pollution of groundwater and surface water and disturbance of birds during construction and pollution of groundwater during operation as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 22km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>East Burren Complex SAC is 14km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 15km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is adjacent to this scheme and is hydrologically connected via the River Corrib. NIS available which identified habitat loss, habitat degradation, pollution, spread of invasive non-native species, disturbance, displacement, mortality and barrier effects during construction and pollution and barrier effects during operation as LSEs for this European site. There is the potential for in-combination effects from disturbance during construction. Corofin Wetlands SPA is 35km south from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 23km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway; and University College Hospital Galway, Radiation Oncology Unit</u></p> <p>East Burren Complex SAC is 14km south from these schemes, however no hydrological link exists and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 15km south from these schemes, however no hydrological link exists and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is within these schemes and is hydrologically linked via the River Corrib. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for these schemes assumed as assessments not available at time of writing). Corofin Wetlands SPA is 35km south from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 20km south-east from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Gort Lowlands Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 2km west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 15km south from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted.</p> | <p>Scheme works.</p> <p>Yes – from disturbance impacts on the Inner Galway Bay SPA, the Corofin Wetlands SPA and the Coole-Garryland SPA if construction phase is concurrent with Kinvara Boardwalk and Walkway works.</p> <p>Yes – from disturbance impacts on the Inner Galway Bay SPA if construction phase is concurrent with N59 Moycullen Bypass works.</p> | | |

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| | | <p>SAC is 17km west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is within this scheme and is hydrologically linked via the Kilchreest waterbody. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. Corofin Wetlands SPA is 15km south-west from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing). Coole-Garryland SPA is within the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Shannon Crossing/Killaloe Bypass/R494 Upgrade</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 50km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 48km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 39km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u></p> <p>East Burren Complex SAC is 4km south-west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 9km west from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is within this scheme and is hydrologically linked via the Kilchreest waterbody. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction. Corofin Wetlands SPA is 19km south from the scheme. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction given the location of some of the works (LSEs for this scheme assumed as assessments not available at time of writing). Coole-Garryland SPA is approximately 6km south-east from the scheme and hydrologically connected via the Kilchreest waterbody. No NIS available so there is a potential for in-combination effects from disturbance during construction. (LSEs for this scheme assumed as assessments not available at time of writing).</p> <p><u>Lahinch Wastewater Treatment Plant</u></p> <p>East Burren Complex SAC is 15km north-east from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 13km north-east from the scheme, however no hydrological link exists and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 24km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 16km east from the scheme and not hydrologically linked. No in-combination impacts are predicted given the nature of the works (upgrading the wastewater treatment plant). Coole-Garryland SPA is approximately 34km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>King's Island Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 50km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 56km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 46km north-west from the scheme and therefore no</p> | | | |

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| | | <p>in-combination impacts are predicted.</p> <p><u>Opera Site, Limerick</u></p> <p>East Burren Complex SAC is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 50km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 57km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 47km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Digital Collaboration and Virtual Reality Centre; Condell Road social housing, Clonmaken; Clonmacken social housing, Limerick City; Limerick Library; Limerick Flood Relief Scheme; Limerick Wastewater Treatment Plant; LIT Applied Science & IT Building; The National Laboratory; Coonagh to Knockalisheen; Station; Churchfield, Southhill social housing; and St. Camillus Community Hospital</u></p> <p>East Burren Complex SAC is 40km north-west from these schemes and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 50km north-west from these schemes and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 57km north-west from these schemes and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 40km north-west from these schemes and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 46km north-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Listowel Bypass</u></p> <p>East Burren Complex SAC and Moneen Mountain SAC are 60km north-east from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 60km north-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Inis Cealtra Island</u></p> <p>East Burren Complex SAC is 30km west from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 45km west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 41km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 35km west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>East Burren Complex SAC is 25km south-east from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 20km south from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 7.5km south-east from the scheme and is hydrologically connected via Ballyquirke Lough and Lough Corrib. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction (LSEs for this scheme assumed as assessment not available at time of writing). Corofin Wetlands SPA is 40km south-east from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 32km south-east from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Murroe Community Hub</u></p> <p>East Burren Complex SAC is 50km north-west from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 60km north-west</p> | | | |

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| | | <p>from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 65km north-east from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 55km north-west from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 55km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Shannon Flood Relief Scheme</u></p> <p>East Burren Complex SAC is 30km north from the scheme and therefore no in-combination impacts are predicted. Moneen Mountain SAC is 35km north-west from the scheme and therefore no in-combination impacts are predicted. Inner Galway Bay SPA is approximately 46km north-west from the scheme and therefore no in-combination impacts are predicted. Corofin Wetlands SPA is 30km north from the scheme and therefore no in-combination impacts are predicted. Coole-Garryland SPA is approximately 38km north from the scheme and therefore no in-combination impacts are predicted.</p> | | | |
| <p>SAG-513 (TG1-SAG-23, TG1-SAG-70)</p> <p>Increase SW abstraction from Doo Lough and upgrade existing New Doolough WTP. Decommission Old Doolough WTP. Decommission Killadysert WTP. New pumps and new watermains.</p> <p>Option study area is within and hydrologically linked to the Lower River Shannon SAC. During construction there is the potential for the loss and pollution of QI habitats and supporting habitats. As a result of this loss and pollution there is risk of mortality to QI species and their prey. There is the potential for disturbance to QI species. There is also the potential for the spread of invasive species within the SAC. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Carrowmore Point to Spanish Point and Islands SAC which is 8.4km away. During construction there is the potential for the pollution of QI habitats and supporting habitats. No operational impacts predicted.</p> <p>Option study area is adjacent to and hydrologically linked to the River Shannon and River Fergus Estuaries SPA which is 200m away. During construction there is the potential for the pollution of protected and supporting habitats for QI birds. There is potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> <p>Option study area is hydrologically linked to the Mid-Clare Coast SPA which is 8.4km away. During construction there is the potential for disturbance to birds given the proximity of works. No operational impacts predicted.</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species | <p><u>N21/N69 Limerick to Adare to Foynes</u></p> <p>Lower River Shannon SAC is adjacent to the scheme. NIS available which identified pollution and spread of invasive species during construction and pollution during operation as LSEs for this European site. There is the potential for in-combination effects from pollution and spread of invasive non-native species during construction. Carrowmore Point to Spanish Point and Islands SAC is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 150m west from the scheme. NIS available which identified pollution and disturbance during construction and pollution during operation as LSEs for this European site. There is the potential for in-combination effects from pollution and disturbance during construction. Mid-Clare Coast SPA is approximately 31km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Athenry/Bia Innovator</u></p> <p>Lower River Shannon SAC is 50km south from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 65km south-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 54km south from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 65km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Barrack Square and Old Barrack Street and O'Connell Square and High Street; Clonroadmore Wastewater Treatment Plant; Ennis Town Centre Regeneration; Ennis Library; and St Joseph's Community Nursing Unit, Ennis.</u></p> <p>Lower River Shannon SAC is adjacent to the scheme. No NIS available so it is assumed there is a potential for in-combination effects from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance during construction. Carrowmore Point to Spanish Point and Islands SAC is approximately 31km west from these schemes and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 3km south from the scheme and hydrologically connected via the River Fergus. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Mid-Clare Coast SPA is approximately 31km west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Foyne Port Capacity Extension Works; and Foyne Flying Boat & Maritime Museum</u></p> <p>Lower River Shannon SAC is adjacent to these schemes. No NIS available so it is assumed there is a potential for in-combination effects from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance during construction</p> | <p>Yes – from pollution and spread of invasive non-native species impacts on the Lower River Shannon SAC and from pollution and disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the N21/N69 Limerick to Adare to Foynes works.</p> <p>Yes – from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance impacts on the Lower River Shannon SAC and from pollution and disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the Barrack Square and Old Barrack Street and O'Connell Square and High Street works, the Clonroadmore Wastewater Treatment Plant works, the Ennis Town Centre Regeneration works, the Ennis Library works, and the St Joseph's Community Nursing Unit, Ennis works.</p> <p>Yes – from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance impacts on the Lower River Shannon SAC and from pollution and disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the Foyne Port Capacity</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Option Specific Measures as in Section 6.3.4</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | N |

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| | | <p>Carrowmore Point to Spanish Point and Islands SAC is approximately 31km north-west from these schemes and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is adjacent to these schemes. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Mid-Clare Coast SPA is approximately 31km north-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Ardaun Upgrade of Martin Roundabout</u></p> <p>Lower River Shannon SAC is 45km south from the scheme. Carrowmore Point to Spanish Point and Islands SAC is approximately 57km south-west from this scheme. River Shannon and River Fergus Estuaries SPA is 52km south from the scheme. Mid-Clare Coast SPA is approximately 57km south-west from this scheme. The AA screening considered potential impacts, but no LSEs were identified and no potential for in-combination effects. These European sites are 45km or more distant and not hydrologically connected, no in-combination effects are possible due to the nature and scale of the proposed works, the distance from the works and the lack of a hydrological connection.</p> <p><u>Galway City Ring Road</u></p> <p>Lower River Shannon SAC is 45km south from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 47km south-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 53km south from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 47km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Galway Public Spaces and Streets Project</u></p> <p>Lower River Shannon SAC is 45km south from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 52km south-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 51km south from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 52km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Cycling and Walking; Galway Emergency Department and Ward Block; GMIT STEM building; Merlin Park University Hospital, Theatre Block; NUI Galway Learning Commons; Nun's Island Masterplanning; Regeneration of Galway City Inner Harbour; Terryland Water Treatment Plant; Transport Connectivity Project; Oranmore Railway Station; and University College Hospital Galway, Radiation Oncology Unit</u></p> <p>Lower River Shannon SAC is 45km south from these schemes and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 52km south-west from these schemes and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 51km south from these schemes and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 52km south-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Gort Lowlands Flood Relief Scheme</u></p> <p>Lower River Shannon SAC is 25km south-west from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 34km south-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 23km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 34km south-west from the scheme and therefore no in-combination impacts are predicted.</p> | <p>Extension Works, and the Foynes Flying Boat & Maritime Museum works.</p> <p>Yes – from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance impacts on the Lower River Shannon SAC if construction phase is concurrent with the Shannon Crossing/Killaloe Bypass/R494 Upgrade works.</p> <p>Yes – from habitat loss, mortality, pollution and disturbance impacts on the Lower River Shannon SAC and from disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the King's Island Flood Relief Scheme works.</p> <p>Yes – from habitat loss and pollution impacts on the Lower River Shannon SAC and from pollution impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the Opera Site, Limerick works.</p> <p>Yes – from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance impacts on the Lower River Shannon SAC and from pollution and disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the Digital Collaboration and Virtual Reality Centre works, the Condell Road social housing works, the Clonmacken social housing works, the Limerick Library works, the Limerick Flood Relief Scheme works, the Limerick Wastewater Treatment Plant works, the LIT Applied Science & IT Building works, The National Laboratory works, the Coonagh to Knockalisheen works, the Churchfield, Southhill social housing works and the St.</p> | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p><u>Shannon Crossing/Killaloe Bypass/R494 Upgrade</u> Lower River Shannon SAC is adjacent to the scheme. NIS available which identified habitat loss, pollution, mortality, disturbance and spread of invasive species during construction as LSEs for this European site. Therefore, there is the potential for in-combination effects from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance during construction. Carrowmore Point to Spanish Point and Islands SAC is approximately 66km west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is approximately 18km south-west from the scheme and is hydrologically connected via the River Shannon. However, the NIS is available which considered potential impacts, but no LSEs were identified for this European site, so there is no potential for in-combination effects for this European site. This European site is 18km or more distant, no in-combination effects are possible. Mid-Clare Coast SPA is approximately 66km west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Kinvara Boardwalk and Walkway</u> Lower River Shannon SAC is 30km south from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 46km south-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 36km south from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 46km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Lahinch Wastewater Treatment Plant</u> Lower River Shannon SAC is 25km south-east from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 11km south-west from the scheme with no hydrological connection and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 29km south-east from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 11km south-west from the scheme with no hydrological connection. No in-combination impacts are predicted given the nature of the works (upgrading the wastewater treatment plant).</p> <p><u>King's Island Flood Relief Scheme</u> Lower River Shannon SAC is within the scheme. NIS available which identified habitat loss, pollution, mortality and disturbance during construction as LSEs for this European site. Therefore, there is the potential for in-combination effects from habitat loss, mortality, pollution and disturbance during construction. Carrowmore Point to Spanish Point and Islands SAC is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 800m south-west from the scheme. NIS available which identified disturbance during construction and operation as LSEs for this European site. Therefore, there is the potential for in-combination effects from disturbance during construction. Mid-Clare Coast SPA is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Opera Site, Limerick</u> Lower River Shannon SAC is within the scheme. NIS available which identified habitat loss and pollution during construction as LSEs for this European site. Therefore, there is the potential for in-combination effects from habitat loss and pollution during construction. Carrowmore Point to Spanish Point and Islands SAC is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 725m south-west from the scheme and is hydrologically connected via the River Shannon. NIS available which identified pollution during construction and mortality during</p> | <p>Camillus Community Hospital works.</p> <p>Yes – from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance impacts on the Lower River Shannon SAC and from pollution and disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the Listowel Bypass works.</p> <p>Yes – from disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the Murroe Community Hub works.</p> <p>Yes – from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance impacts on the Lower River Shannon SAC and from pollution and disturbance impacts on the River Shannon and River Fergus Estuaries SPA if construction phase is concurrent with the Shannon Flood Relief Scheme works.</p> | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>operation as LSEs for this European site. Therefore, there is the potential for in-combination effects from pollution during construction. Mid-Clare Coast SPA is approximately 58km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Digital Collaboration and Virtual Reality Centre; Condell Road social housing; Clonmaken; Clonmacken social housing; Limerick City; Limerick Library; Limerick Flood Relief Scheme; Limerick Wastewater Treatment Plant; LIT Applied Science & IT Building; The National Laboratory; Coonagh to Knockalishen; Churchfield, Southhill social housing; and St. Camillus Community Hospital</u></p> <p>Lower River Shannon SAC is adjacent to these schemes. No NIS available so it is assumed there is a potential for in-combination effects from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Carrowmore Point to Spanish Point and Islands SAC is approximately 58km north-west from these schemes and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is adjacent to these schemes. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for these schemes assumed as assessment not available at time of writing). Mid-Clare Coast SPA is approximately 58km north-west from these schemes and therefore no in-combination impacts are predicted.</p> <p><u>Listowel Bypass</u></p> <p>Lower River Shannon SAC is adjacent to this scheme. No NIS available so it is assumed there is a potential for in-combination effects from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance during construction. Carrowmore Point to Spanish Point and Islands SAC is approximately 24km north-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is adjacent to this scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for the scheme assumed as assessment not available at time of writing). Mid-Clare Coast SPA is approximately 21km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Inis Cealtra Island</u></p> <p>Lower River Shannon SAC is 12km south from the scheme and is hydrologically linked via Lough Derg. In-combination impacts are not predicted as Lough Derg and the attenuation of the hydrological link would act as a barrier to the effects on this European site. Carrowmore Point to Spanish Point and Islands SAC is approximately 66km south-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 31km south-west from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 66km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>N59 Moycullen Bypass</u></p> <p>Lower River Shannon SAC is 50km south-east from the scheme and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 55km south-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 58km south-east from the scheme and therefore no in-combination impacts are predicted. Mid-Clare Coast SPA is approximately 55km south-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Murroe Community Hub</u></p> <p>Lower River Shannon SAC is 1km south from the scheme, however there is no hydrological link and therefore no in-combination impacts are predicted. Carrowmore Point to Spanish Point and Islands SAC is approximately 73km north-west from the</p> | | | |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is 16km west from the scheme and there is no hydrological connection. No NIS available so it is assumed there is a potential for in-combination effects from disturbance during construction due to the location of the works (LSEs for this scheme assumed as assessment not available at time of writing). Mid-Clare Coast SPA is approximately 73km north-west from the scheme and therefore no in-combination impacts are predicted.</p> <p><u>Shannon Flood Relief Scheme</u></p> <p>Lower River Shannon SAC is within this scheme. No NIS available so it is assumed there is a potential for in-combination effects from habitat loss, mortality, pollution, spread of invasive non-native species and disturbance during construction. Carrowmore Point to Spanish Point and Islands SAC is approximately 37km north-west from the scheme and therefore no in-combination impacts are predicted. River Shannon and River Fergus Estuaries SPA is within this scheme. No NIS available so it is assumed there is a potential for in-combination effects from pollution and disturbance during construction (LSEs for this scheme assumed as assessment not available at time of writing). Mid-Clare Coast SPA is approximately 37km north-west from the scheme and therefore no in-combination impacts are predicted.</p> | | | |
| <p>All Preferred Options</p> <p>The European sites that may be impacted by options within Study Area G are Caherglassaun Turlough SAC, Cahermore Turlough SAC, Carrowmore Point to Spanish Point and Islands SAC, Coole-Garryland Complex SAC, East Burren Complex SAC, Galway Bay Complex SAC, Inagh River Estuary SAC, Lower River Shannon SAC, Moneen Mountain SAC, Coole-Garryland SPA, Corofin Wetlands SPA, Inner Galway Bay SPA, Mid-Clare Coast SPA and River Shannon and River Fergus Estuaries SPA.</p> | <ul style="list-style-type: none"> • Habitat loss • Mortality risk • Habitat degradation • Disturbance • Spread of invasive non-native species • Water table/availability | <p><u>All Preferred Options</u></p> <p>Option SAG-046 is the only options within SAG with potential for impacts on Caherglassaun Turlough SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAG-046 is the only options within SAG with potential for impacts on Cahermore Turlough SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAG to the Carrowmore Point to Spanish Point and Islands SAC given that options SAG-501 and SAG-513 have the potential for impacts. Potential for in-combination effects from pollution during construction.</p> <p>Options SAG-039 and SAG-046 are the only options within SAG with potential for impacts on Coole-Garryland Complex SAC. However, different impacts are predicted for each site. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAG to the East Burren Complex SAC given that options SAG-001, SAG-046, SAG-079 and SAG-506 have the potential for impacts. Potential for in-combination effects from habitat loss (SAG-001 and SAG-506), spread of invasive non-native species (SAG-001, SAG-079 and SAG-506) and disturbance (SAG-001 and SAG-079) during construction and during operation from habitat degradation (SAG-001, SAG-046 and SAG-506) and water table/availability (SAG-001, SAG-046 and SAG-506).</p> <p>Option SAG-046 is the only option within SAG with potential for impacts on the Galway Bay Complex SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAG-501 is the only option within SAG with potential for impacts on the Inagh River Estuary SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAG-513 is the only option within SAG with potential for impacts on the Lower River Shannon SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>Option SAG-506 is the only option within SAG with potential for impacts on the Moneen Mountain SAC. Therefore, there is no potential for in-combination effects to this European site.</p> <p>There is potential for in-combination effects from the projects within SAG to the Coole-</p> | <p>Yes – from pollution impacts on Carrowmore Point to Spanish Point and Islands SAC if construction of options is concurrent.</p> <p>Yes – from habitat loss, spread of invasive non-native species and disturbance impacts on East Burren Complex SAC if construction of options is concurrent and during operation from habitat degradation and water table /availability.</p> <p>Yes – from disturbance impacts on Coole-Garryland SPA if construction of options is concurrent.</p> <p>Yes – from disturbance impacts on Corofin Wetlands SPA if construction of options is concurrent.</p> <p>Yes – from disturbance impacts on Inner Galway Bay SPA if construction of options is concurrent.</p> <p>Yes – from disturbance impacts on Mid-Clare Coast SPA if construction of options is concurrent.</p> | <p>General Mitigation Measures are outlined in Section 6.3.3 Hydrogeological modelling as in Section 6.3.5 Hydrological modelling as in Section 6.3.5</p> <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either alone or in-combination with other plans or projects.</p> | <p>N</p> |

| Preferred Option | Potential Impacts – Key Types | Potential for In-combination Implications on European Sites Project(s) being assessed against identified underlined | Potential for Likely Significant Effects in-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>Garryland SPA given that options SAG-001, SAG-046, SAG-501 and SAG-506 have the potential for impacts. Potential for in-combination effects from disturbance during construction.</p> <p>There is potential for in-combination effects from the projects within SAG to the Corofin Wetlands SPA given that options SAG-001, SAG-046, SAG-079 and SAG-506 have the potential for impacts. Potential for in-combination effects from disturbance during construction.</p> <p>There is potential for in-combination effects from the projects within SAG to the Inner Galway Bay SPA given that options SAG-046 and SAG-506 have the potential for impacts. Potential for in-combination effects from disturbance during construction.</p> <p>There is potential for in-combination effects from the projects within SAG to the Mid-Clare Coast SPA given that options SAG-501 and SAG-513 have the potential for impacts. Potential for in-combination effects from disturbance during construction.</p> <p>Option SAG-513 is the only option within SAG with potential for impacts on the River Shannon and River Fergus Estuaries SPA. Therefore, there is no potential for in-combination effects to this European site.</p> | | | |

Table E8: Potential in-combination effects between SAs within the NW region

| European Site | Study Areas with Potential for Impacts on this European Site | Potential Impact on European Site | Potential for Likely Significant Effects In-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
|---------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Donegal Bay SPA (004151) | <ul style="list-style-type: none"> SAA SAB | <p>Habitat degradation – There is potential for pollution of waterbodies during construction that could impact on the wetland habitat used by QI bird species. Potential pollution of watercourses during construction could have indirect effects on QI bird species through impacts upon prey species (all SAs).</p> <p>Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g., grassland, arable farmland) (all SAs).</p> | Yes – from habitat degradation (all SAs) and disturbance (all SAs) if construction of options within these SAs is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual SAs or in-combination between SAs.</p> | N |
| Lough Gill SAC (001976) | <ul style="list-style-type: none"> SAB SA-C | <p>Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (all SAs).</p> <p>Disturbance – There is potential for disturbance to QI species during construction (all SAs).</p> <p>Habitat degradation – A new/increase in abstraction could lead to hydrological changes (reduced flows – impacting on water quality) that could impact aquatic QI species or habitats during operation (all SAs).</p> <p>Water table/availability – There is potential for impacts on aquatic QI species utilising watercourses hydrologically linked to this European site through a reduction in flows/water levels during operation (all SAs).</p> | Yes – from habitat degradation (all SAs) and disturbance (all SAs) if construction of options within these SAs is concurrent, and during operation from water table/availability (all SAs) and habitat degradation impacts (all SAs). | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual SAs or in-combination between SAs.</p> | N |
| Lough Carra/Mask Complex SAC (001774) | <ul style="list-style-type: none"> SA-C SAD | <p>Habitat degradation – A new/increase in abstraction could lead to hydrological changes (reduced flows – impacting on water quality) that could impact aquatic QI species or habitats during operation (all SAs).</p> <p>Water table/availability – There is potential for impacts on aquatic QI species utilising watercourses hydrologically linked to this European site through a reduction in flows/water levels during operation (all SAs).</p> | Yes – during operation from water table/availability (all SAs) and habitat degradation impacts (all SAs). | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual SAs or in-combination between SAs.</p> | N |
| Lough Mask SPA (004062) | <ul style="list-style-type: none"> SA-C SAD | <p>Habitat degradation – There is potential for pollution of waterbodies during construction that could impact on the wetland habitat used by QI bird species. Potential pollution of watercourses during construction could have indirect effects on QI bird species through impacts upon prey species (all SAs).</p> <p>Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g., grassland, arable farmland) (all SAs).</p> <p>Habitat degradation – An increase in abstraction could lead to hydrological changes (reduced flows – impacting on water quality) that could impact QI species during operation (all SAs).</p> <p>Water table/availability – There is potential for impacts on QI birds or prey species utilising watercourses hydrologically linked to this European site through a reduction in flows/water levels (all SAs).</p> | Yes – from habitat degradation (all SAs) and disturbance (all SAs) if construction of options within these SAs is concurrent, and during operation from water table/availability (all SAs) and habitat degradation impacts (all SAs). | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual SAs or in-combination between SAs.</p> | N |
| Lough Corrib SAC (000297) | <ul style="list-style-type: none"> SAD SAF | <p>Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (all SAs).</p> <p>Disturbance – There is potential for disturbance to QI species during construction (all SAs).</p> <p>Spread of invasive non-native species – There is the potential for the spread</p> | Yes – from habitat degradation (all SAs), disturbance (all SAs) and the spread of invasive non-native species (all SAs) if construction of options within these SAs is concurrent, and during operation from water | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 Hydrological modelling as in Section 6.3.5 Hydrogeological modelling as in Section 6.3.5 | N |

| European Site | Study Areas with Potential for Impacts on this European Site | Potential Impact on European Site | Potential for Likely Significant Effects In-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| | | <p>of invasive non-native species during construction (all SAs).</p> <p>Habitat degradation – A new/increase in abstraction could lead to hydrological changes (reduced flows – impacting on water quality) that could impact aquatic QI species or habitats during operation (all SAs).</p> <p>Water table/availability – There is potential for impacts on aquatic QI species and habitats utilising watercourses hydrologically linked to this European site through a reduction in flows/water levels during operation (all SAs).</p> | table/availability (all SAs) and habitat degradation impacts (all SAs). | With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual SAs or in-combination between SAs. | |
| Galway Bay Complex SAC (000268) | <ul style="list-style-type: none"> • SAD • SAG | Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (all SAs). | Yes – from habitat degradation (all SAs) if construction of options within these SAs is concurrent. | <ul style="list-style-type: none"> • General Mitigation Measures are outlined in Section 6.3.3 With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual SAs or in-combination between SAs. | N |
| Inner Galway Bay SPA (004031) | <ul style="list-style-type: none"> • SAD • SAG | <p>Habitat degradation – There is potential for pollution of waterbodies during construction that could impact on the wetland habitat used by QI bird species. Potential pollution of watercourses during construction could have indirect effects on QI bird species through impacts upon prey species (all SAs).</p> <p>Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g., grassland, arable farmland) (all SAs).</p> | Yes – from habitat degradation (all SAs) and disturbance (all SAs) if construction of options within these SAs is concurrent. | <ul style="list-style-type: none"> • General Mitigation Measures are outlined in Section 6.3.3 With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual SAs or in-combination between SAs. | N |

Table E9: Potential in-combination effects between the NW region, SW region and the EM region

| European Site | Regions with Potential for Impacts on this European Site | Potential Impact on European Site | Potential for Likely Significant Effects In-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
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| Lower River Suir SAC (002137) | <ul style="list-style-type: none"> EM SW | <p>Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (both regions).</p> | Yes – from habitat degradation (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| Blackwater River (Cork/Waterford) SAC (002170) | <ul style="list-style-type: none"> EM SW | <p>Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (both regions).</p> | Yes – from habitat degradation (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| Stack's to Mullaghareirk Mountains, West Limerick Hills and Mount Eagle SPA (004161) | <ul style="list-style-type: none"> EM SW | <p>Disturbance – There is potential for disturbance during construction to hen harrier using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g. grassland, arable farmland) (both regions).</p> | Yes – from disturbance (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| River Boyne and River Blackwater SAC (002299) | <ul style="list-style-type: none"> EM NW | <p>Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (both regions).</p> <p>Disturbance – There is potential for disturbance to QI species during construction (both regions).</p> <p>Spread of invasive non-native species – There is the potential for the spread of invasive non-native species during construction (both regions).</p> | Yes – from habitat degradation (both regions), disturbance (both regions) and the spread of invasive non-native species (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| River Boyne and River Blackwater SPA (004232) | <ul style="list-style-type: none"> EM NW | <p>Habitat degradation – There is potential for pollution of waterbodies during construction that could impact on the wetland habitat used by QI bird species. Potential pollution of watercourses during construction could have indirect effects on QI bird species through impacts upon prey species (both regions).</p> <p>Disturbance – Potential for disturbance to kingfisher during construction given that the works are within and/or in close proximity to the SPA boundary (both regions).</p> | Yes – from habitat degradation (both regions) and disturbance (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| Lough Ree SAC (000440) | <ul style="list-style-type: none"> EM NW | <p>Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (both regions).</p> <p>Disturbance – There is potential for disturbance to QI species during construction (both regions).</p> <p>Habitat degradation – A new/increase in abstraction could lead to hydrological changes (reduced flows – impacting on water quality) that could impact aquatic</p> | Yes – from habitat degradation (both regions) and disturbance (both regions) if construction of options within these regions is concurrent, and during operation from water table/availability (both regions) and habitat degradation impacts (both | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 Hydrogeological modelling as in Section 6.3.5 Hydrological modelling as in Section 6.3.5 <p>With the implementation of mitigation as noted</p> | N |

| European Site | Regions with Potential for Impacts on this European Site | Potential Impact on European Site | Potential for Likely Significant Effects In-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
|----------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| | | <p>QI species or habitats during operation (both regions).</p> <p>Water table/availability – There is potential for impacts on aquatic QI species or habitats utilising watercourses hydrologically linked to this European site through a reduction in flows/water levels during operation (both regions).</p> | regions). | above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions. | |
| Lough Ree SPA (004064) | <ul style="list-style-type: none"> EM NW | <p>Habitat degradation – There is potential for pollution of waterbodies during construction that could impact on the wetland habitat used by QI bird species. Potential pollution of watercourses during construction could have indirect effects on QI bird species through impacts upon prey species (both regions).</p> <p>Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g. grassland, arable farmland) (both regions).</p> | Yes – from habitat degradation (both regions) and disturbance (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| Lough Derravaragh SPA (004043) | <ul style="list-style-type: none"> EM NW | Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g. grassland, arable farmland) (both regions). | Yes – from disturbance (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| River Suck Callows SPA (004097) | <ul style="list-style-type: none"> EM NW | <p>Habitat degradation – There is potential for pollution of waterbodies during construction that could impact on the wetland habitat used by QI bird species. Potential pollution of watercourses during construction could have indirect effects on QI bird species through impacts upon prey species (both regions).</p> <p>Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g. grassland, arable farmland) (both regions).</p> | Yes – from habitat degradation (both regions) and disturbance (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| Four Roads Turlough SPA (004140) | <ul style="list-style-type: none"> EM NW | Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g. grassland, arable farmland) (both regions). | Yes – from disturbance (both regions) if construction of options within these regions is concurrent. | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |
| Lower River Shannon SAC (002165) | <ul style="list-style-type: none"> EM NW SW | <p>Habitat loss – There is potential for some loss of/damage to QI/Annex 1 habitats and/or supporting habitats during construction works (all regions).</p> <p>Mortality risk – Pollution of water courses during construction (associated with sediment runoff, or accidental spillage) could impact species and restrict access to spawning habitat effecting QI species and their prey (all regions).</p> <p>Habitat degradation – Potential pollution of watercourses during construction could affect QI species and hydrologically connected habitats (all regions).</p> <p>Disturbance – There is potential for disturbance to QI species during construction (all regions).</p> <p>Spread of invasive non-native species – There is the potential for the spread of invasive non-native species during construction (all regions).</p> <p>Habitat degradation – A new/increase in abstraction could lead to</p> | Yes – from habitat loss (all regions), mortality risk (all regions), habitat degradation (all regions), disturbance (all regions) and the spread of invasive non-native species (all regions) if construction of options within these regions is concurrent, and during operation from water table/availability (EM and SW only) and habitat degradation impacts (EM and SW only). | <ul style="list-style-type: none"> General Mitigation Measures are outlined in Section 6.3.3 Hydrogeological modelling as in Section 6.3.5 Hydrological modelling as in Section 6.3.5 Option specific mitigation measures are outlined in Section 6.3.4 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | |

| European Site | Regions with Potential for Impacts on this European Site | Potential Impact on European Site | Potential for Likely Significant Effects In-combination (Yes/No) | Mitigation and Conclusion | In-combination Adverse Effects on Site Integrity (Y/N) |
|-------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| | | <p>hydrological changes (reduced flows – impacting on water quality) that could impact aquatic QI species or habitats during operation (EM and SW only).</p> <p>Water table/availability – There is potential for impacts on aquatic QI species or habitats utilising watercourses hydrologically linked to this European site through a reduction in flows/water levels during operation (EM and SW only).</p> | | | |
| River Shannon and River Fergus Estuaries SPA (004077) | <ul style="list-style-type: none"> • EM • NW • SW | <p>Habitat degradation – There is potential for pollution of waterbodies during construction that could impact on the wetland habitat used by QI bird species. Potential pollution of watercourses during construction could have indirect effects on QI bird species through impacts upon prey species (all regions).</p> <p>Disturbance – There is potential for disturbance during construction to QI birds using habitats situated within the immediate hinterland of the SPA or in areas outside of the SPA but ecologically connected to it (e.g. grassland, arable farmland) (EM and NW only).</p> | <p>Yes – from habitat degradation (all regions) and disturbance (EM and NW only) if construction of options within these regions is concurrent.</p> | <ul style="list-style-type: none"> • General Mitigation Measures are outlined in Section 6.3.3 <p>With the implementation of mitigation as noted above there will be no adverse effects on the integrity of this European site, either from the options within individual regions or in-combination between regions.</p> | N |