AtkinsRéalis

Appendix 8-3 – Table of Impact Assessment Infrastructure Sites

Uisce Éireann
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BALLINA AND LOUGH TALT WATER SUPPLY UPGRADE

Parcel Ref No:	Farm Enterprise	Farm Sensitivity	Construction Phase							Operational Phase				
			Nature of Impact on Individual Parcels							Nature of Impact on Individual Parcels				
			Individual Holding Impact	Permanent Acquisitions (Ha)	Permanent Wayleave Area (Ha)	Temporary Wayleave Area (Ha)	Level of overall impact Pre-Mitigation	Mitigation relating to disturbance of farming activities	Level of overall impact post mitigation	Potential Operational Phase Effects	Level of Operational Phase Effect Pre-Mitigation	Operational Phase Mitigation Measures	Potential Residual Effects	Level of Residual Effect on the Agricultural Holding
MY023	Grassland (Includes Grazing, Hay & Leased grassland)	Low	**Agronomy Survey Details** No direct agronomy survey was undertaken. Land use was verified by roadside survey in 2026 and supplemented by aerial imagery (Google Maps) and Project Mapper. **Detailed Agricultural Use** A grassland enterprise operates on the agricultural holding. The affected agricultural parcel is used for livestock grazing and/or silage production. The Proposed Development includes the permanent acquisition of land for the Bonniconlon Booster Pumping Station (BPS). Area of affected agricultural parcel: 5.08 ha Permanent acquisition: 0.303 ha Permanent pipeline wayleave: 0.039 ha Temporary Working Area: 0.0985 ha **Potential Construction Phase Effects** • Permanent acquisition of approximately 0.303 ha for the Booster Pumping Station. • Temporary occupation of approximately 0.10 ha during construction. • Temporary disruption to grazing and/or silage production. • Temporary disruption to agricultural access. • Disturbance to soil profiles. • Potential disturbance to field drainage. • Potential disruption to livestock water supplies, electricity and fencing. • Temporary removal of trees and hedgerows where required.	0.303	0.039	0.0985	The pre-mitigation effect is considered Moderate due to the permanent acquisition of approximately 0.303 ha of agricultural land for the Booster Pumping Station, representing approximately 6% of the affected agricultural parcel, together with temporary occupation of approximately 0.10 ha and potential disruption to agricultural access, grazing and/or silage production, soils, field drainage and agricultural infrastructure. Although these effects will result in temporary disruption during construction and a permanent reduction in the area available for agricultural use, the remaining agricultural land will continue to be capable of supporting grazing and/or silage production. **Moderate (significant)**	**Proposed Project Mitigations:** • Ensure landowner receives at least the minimum notice prior to construction entering the holding; • Should farm infrastructure such as internal farm roadways, fencing, drinking points, handling units or other be affected, alternative arrangements or facilities should be provided for. • Ensure existing land drainage is re-instated or new drainage pipes are installed; • Ensure soil stripping, storage, backfilling and reinstatement are managed appropriately and compaction issues rectified; • Ensure access is maintained during the construction phase; • Ensure drinking water supplies or access to water are a maintained or provided; • Ensure that where utilities such as electricity is compromised, a supply or alternative source is maintained/ provided; • Ensure holding stockproof fencing is maintained during the construction phase; • Ensure hedgerows and tree are reinstated/replanted.	Following implementation of the proposed mitigation measures, temporary disturbance associated with construction will be substantially reduced through the maintenance of agricultural access, reinstatement of soils and drainage, and replacement or reinstatement of affected agricultural infrastructure where required. The permanent acquisition of approximately 0.303 ha for the Booster Pumping Station forms part of the Operational Phase of the Proposed Development and is therefore assessed separately. The residual Construction Phase effect is therefore assessed as: **Slight (not significant)**	**Potential Operational Phase Effects** Following completion of construction and commissioning of the Booster Pumping Station: • Approximately 0.303 ha of agricultural land will be permanently removed from agricultural production to accommodate the Booster Pumping Station. • Existing livestock grazing and/or silage production will generally continue on the remaining agricultural land. • A permanent pipeline wayleave of approximately 0.039 ha will remain, within which certain activities, including deep excavation, construction of permanent structures and tree planting, will be restricted. • The permanent above-ground Booster Pumping Station will introduce a new built feature within the agricultural parcel. • Permanent security fencing, access gates and associated infrastructure may require minor adjustments to grazing management and agricultural machinery operations. • Operation of pumps, mechanical equipment and ancillary plant may generate low levels of operational noise. This is not expected to materially interfere with agricultural activities but will represent a permanent change in the local agricultural environment. • External lighting, where required for operational or security purposes, may introduce a permanent source of artificial light. • Periodic vehicle access will be required for inspection, maintenance, servicing and emergency repair. These visits may result in occasional, temporary and localised disruption to	The Operational Phase effect is considered Moderate due to the permanent acquisition of approximately 0.303 ha, representing approximately 6% of the affected agricultural parcel, and the permanent loss of agricultural production from this area. The Booster Pumping Station will also introduce permanent above-ground infrastructure, security fencing, access arrangements and periodic operational activity within the agricultural parcel. Although agricultural use will continue on the remaining lands, these changes will result in an enduring reduction in agricultural flexibility and a permanent alteration to the use and management of the affected parcel. **Moderate (significant)**	• Minimise the permanent footprint of the Booster Pumping Station and associated infrastructure, where practicable. • Reinstate all land outside the permanently acquired site boundary to agricultural use following construction. • Position permanent fencing, gates and ancillary infrastructure to minimise interference with agricultural operations, where practicable. • Maintain suitable agricultural access to the remaining lands. • Design and operate mechanical equipment in accordance with the project noise-control measures to minimise operational noise. • Minimise external lighting and direct lighting away from adjoining agricultural land, where practicable and consistent with operational and safety requirements. • Provide the landholder with the required notice before planned inspection, maintenance or repair works, except where emergency access is required. • Agree access arrangements with the landholder, where practicable, to minimise disruption to agricultural activities. • Reinstate any agricultural land, drainage systems, boundaries or agricultural infrastructure disturbed during inspection, maintenance or repair works.	Following implementation of the Operational Phase mitigation measures, livestock grazing and/or silage production will generally continue on the remaining agricultural land. The permanent acquisition of approximately 0.303 ha for the Booster Pumping Station cannot be mitigated and will represent a permanent reduction in the agricultural area available to the holding. The permanent pipeline wayleave will also continue to restrict deep excavation, construction of permanent structures and tree planting. The Booster Pumping Station, associated security fencing and operational access requirements will remain permanent features within the parcel. Operational noise, lighting and maintenance traffic are expected to be limited and are not anticipated to materially interfere with agricultural use of the remaining lands.	**Moderate (significant)**
MY035	Mixed Livestock (combination of Sheep, Equine and or Drystock)	Medium	**Agronomy Survey Details** Agronomy field survey undertaken for 11 of the 13 commonage shareholders in 2026. Land use was also verified by roadside survey and supplemented by aerial imagery (Google Maps) and Project Mapper. **Detailed Agricultural Use** The affected lands form part of an upland commonage comprising marginal upland grazing characterised by blanket bog and semi-natural vegetation. The commonage is used principally for seasonal sheep grazing associated with ewe and lamb enterprises operated by a number of commonage shareholders. Many shareholders also operate wider mixed livestock enterprises on lands outside the commonage. The Proposed Development includes the permanent acquisition of land for the Windy Gap Break Pressure Tank (BPT), together with a permanent pipeline wayleave associated with the buried pipeline connection. Area of affected commonage: 352.27 ha Permanent acquisition for Break Pressure Tank: 0.4677 ha Permanent pipeline wayleave: 0.4557 ha Temporary Working Area: 0.4645 ha **Potential Construction Phase Effects** • Permanent acquisition of approximately 0.4677 ha for the Break Pressure Tank. • Temporary occupation of approximately 0.465 ha during construction. • Temporary disruption to seasonal sheep grazing. • Temporary disruption to access across the commonage. • Localised severance of grazing areas during construction. • Disturbance to soil profiles during excavation and reinstatement. • Potential disturbance to existing field drainage. • Temporary removal of scrub and vegetation along the commonage boundary where required.	0.4677	0.4557	0.4645	The pre-mitigation effect is considered Slight due to the temporary nature of construction activities and the very small proportion of the commonage permanently acquired. Construction activities may temporarily disrupt grazing access, soils and drainage within the immediate works area; however, the permanent acquisition represents less than 1% of the affected commonage and is not expected to materially affect the continued seasonal grazing use of the commonage by shareholders. **Slight (not significant)**	**Proposed Mitigation Measures** • Provide the commonage representatives/shareholders with the required notice prior to commencement of construction activities. • Maintain access across the commonage where practicable throughout construction. • Where temporary fencing or stock management measures are required, provide suitable temporary arrangements to maintain livestock control. • Reinstate disturbed soils in accordance with the soil management measures contained within Chapter 9 (Land, Soils and Geology) and the project CEMP. • Reinstate any disturbed drainage features where required. • Reinstate disturbed commonage vegetation outside the permanently acquired footprint, where practicable. • Reinstate temporary access routes following completion of the works.	Following implementation of the proposed mitigation measures, temporary disturbance to grazing access, soils and drainage will be substantially reduced. The permanent acquisition associated with the Break Pressure Tank forms part of the Operational Phase assessment. The residual Construction Phase effect is therefore assessed as: **Not Significant (not significant)**	**Potential Operational Phase Effects** Following completion of construction and commissioning of the Break Pressure Tank: • Approximately 0.4677 ha of commonage will be permanently removed from grazing. • Existing seasonal sheep grazing will continue across the remaining commonage. •A permanent pipeline wayleave of approximately 0.4557 ha will remain, within which certain activities, including deep excavation, construction of permanent structures and tree planting, will be restricted. • The Break Pressure Tank will introduce a permanent above-ground structure within the commonage. • Permanent security fencing and access arrangements will be required around the facility. • Periodic vehicle access will be required for inspection, maintenance and emergency repair. • Above-ground infrastructure may introduce a small permanent visual change within the upland commonage landscape.	The Operational Phase effect is considered Slight due to the permanent acquisition of approximately 0.4677 ha together with the permanent pipeline wayleave affecting approximately 0.4557 ha of the commonage. While the Break Pressure Tank will introduce permanent above-ground infrastructure and a small permanent loss of grazing land, seasonal sheep grazing will continue across the overwhelming majority of the commonage. The permanent acquisition and wayleave restrictions are not expected to materially affect the continued operation of the commonage or the wider livestock enterprises supported by it. **Slight (not significant)**	**Operational Phase Mitigation Measures** • Minimise the permanent footprint of the Break Pressure Tank and associated infrastructure where practicable. • Reinstate all land outside the permanently acquired site boundary following construction. • Position fencing and ancillary infrastructure to minimise interference with grazing, where practicable. • Maintain access arrangements for commonage users during inspection and maintenance activities. • Provide advance notice to commonage representatives or shareholders before planned maintenance works, except where emergency access is required. • Reinstate any disturbed grazing land, drainage features or boundaries following maintenance works.	Following implementation of the Operational Phase mitigation measures, seasonal sheep grazing will continue across the remaining commonage. The permanent acquisition and associated pipeline wayleave will continue to impose minor restrictions within a very small part of the commonage. Periodic maintenance activities may cause occasional localised disturbance, but these are not expected to materially affect the continued agricultural use or viability of the commonage or the associated livestock enterprises.	**Slight (not significant)**