



National Barrier Mitigation Programme

Topographic and Bathymetric Survey Appendix F

Lot 6 – Wicklow Document Verification Sheet

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1 Project Description

The full commission of this tender includes 4 Barrier Mitigation Projects that require Topographical and Bathymetric Surveys as detailed in Table 1 below. Further detail on each project within the bundle is provided in Section 1.1 to 1.4.

Site Number	Project Code	Project Barrier	County	U28 ID	Coordinates
1	0812008	Rathcoyle Bridge	Wicklow	12_1472_18	52.915448N 6.519884W
2	0812028	Milltown (Greese River) Weir	Wicklow	14_1606_73	53.050025N 6.729629W
3	0815001	Ballynure Culvert 1	Wicklow	14_1692_234	53.015441N 6.754909W
4	0892009	Glenart Culvert	Wicklow	10_1394_55	52.810804N 6.188397W

Table 1 Barrier Mitigation Projects

1.1 Rathcoyle Bridge

The Rathcoyle Bridge Apron is located in Knocknagree, County Wicklow and located on the River Derreen in SAC: 000781 - Slaney River Valley SAC. The existing bridge is of masonry cut stone structure with a concrete apron. The concrete apron has a wetted Width: 6.23m. The apron creates a velocity barrier that prevents upstream migration for most species, particularly those with limited swimming capacity such as lamprey.

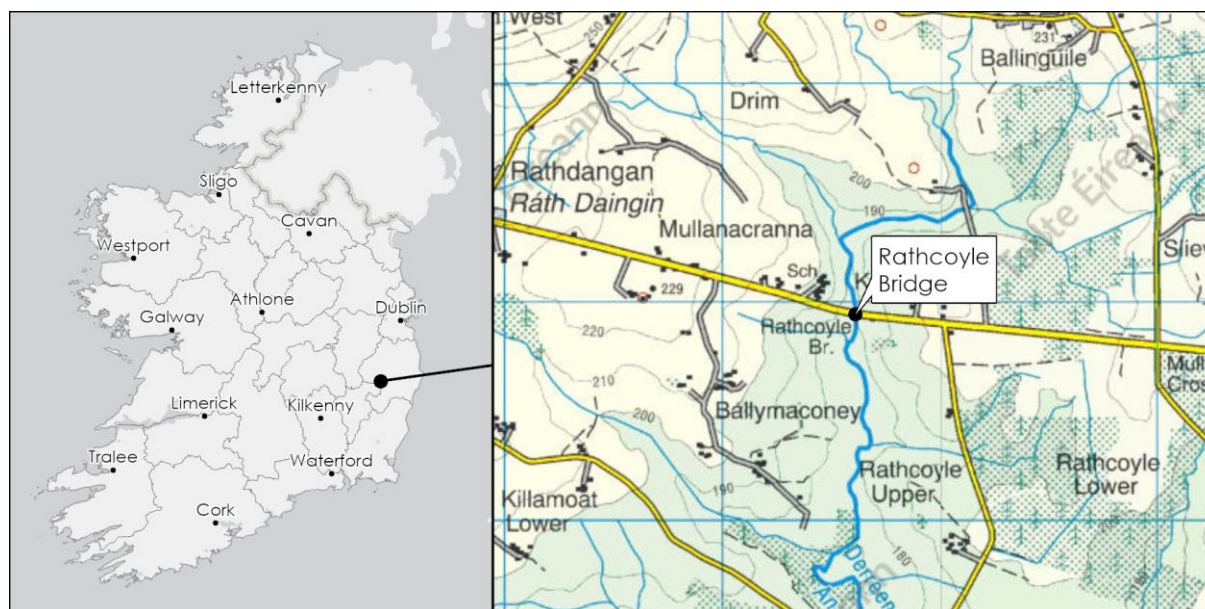


Figure 1 Location Map of Rathcoyle Bridge



Plate 1 Rathcoyle Bridge - Downstream

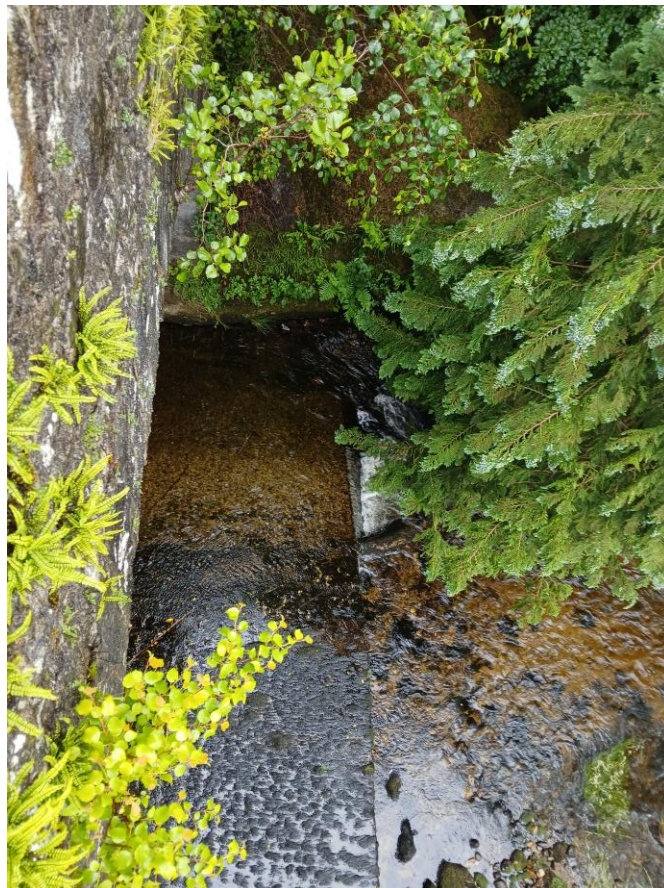


Plate 2 Rathcoyle Bridge – Upstream

1.2 Milltown (Greese River) Weir

The Milltown (Greese River) Weir, located in Milltown, Co. Wicklow, located on the River Greese. IFI has identified the Milltown (Greese River) Weir as an Impassable barrier to fish passage. The barrier consists of a concrete weir (2 m width, 1 m height), spanning the width of the channel. An I-BAST assessment confirmed that the concrete weir is impassable and hinders upstream and downstream fish migration. Addressing this structure would enhance habitat quality on the Greese River and reopen upstream areas critical for migratory fish habitat and spawning.

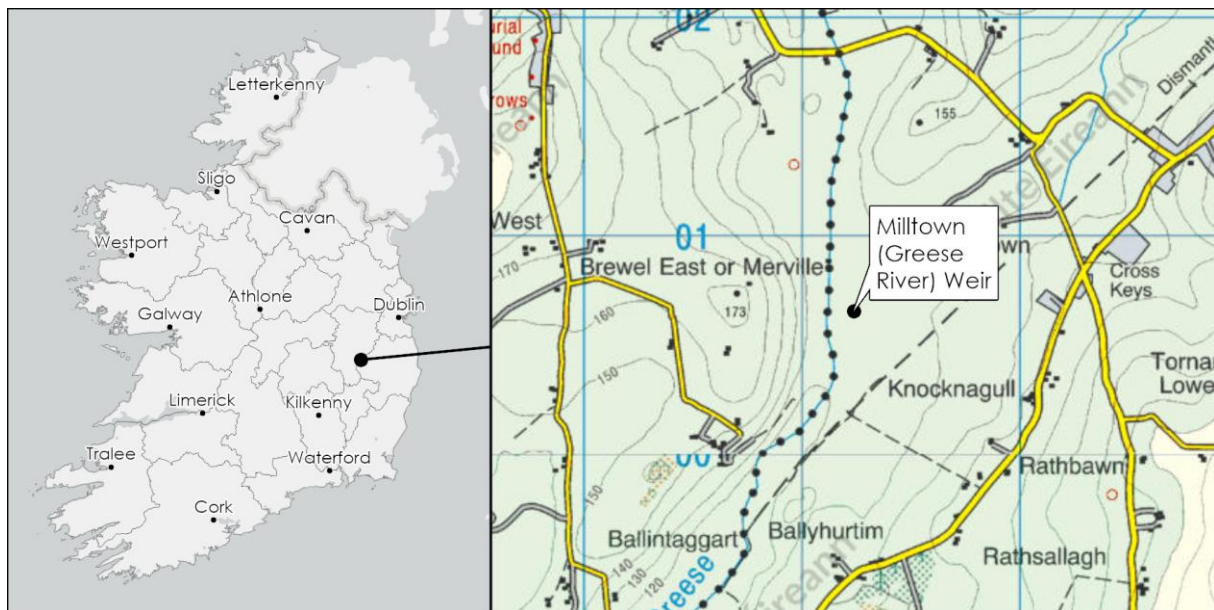


Figure 2 Location Map of Milltown (Greese River) Weir



Plate 3 Milltown (Greese River) - Upstream



Plate 4 Milltown (Greese River) – Downstream

1.3 Ballynure Culverts

The Ballynure culverts are located on the Greese River in Ballynure Park, Co. Wicklow. The two culverts consist of a series of concrete pipes on the Greese River, adjacent to the man made lake in Ballynure. The upstream culvert is a short culvert including an impoundment that facilitates a feed from the river to feed the lake. The downstream barrier is a 50m long culvert. The velocities within the culvert are too fast to facilitate fish passage.

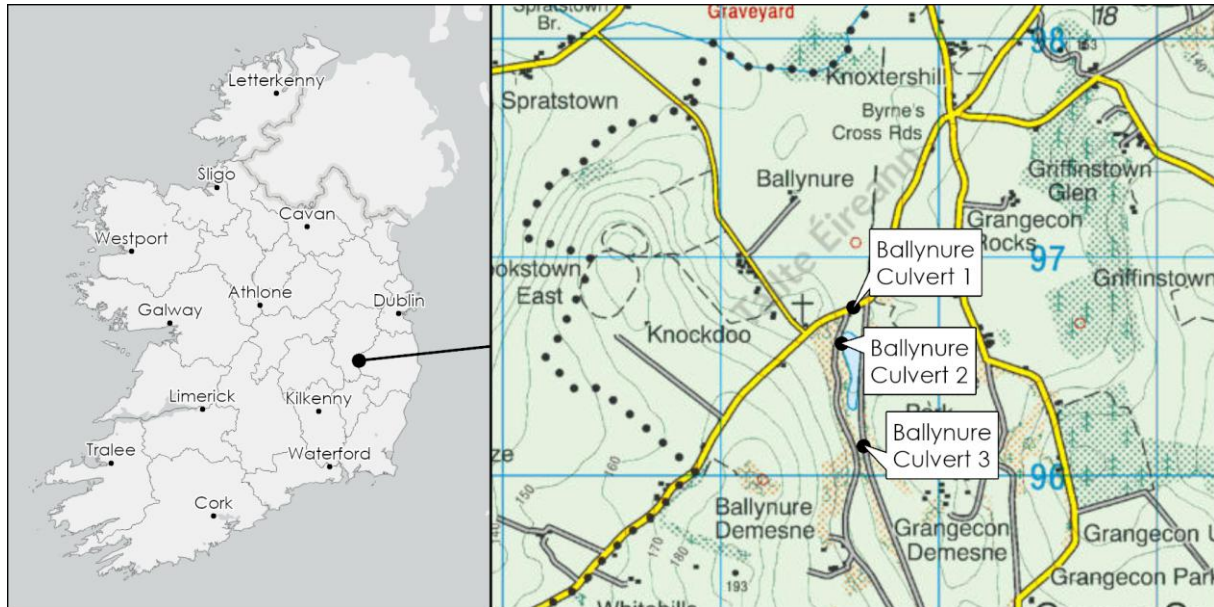


Figure 3 Location Map of Ballynure Culverts



Plate 5 Ballynure Culverts- Upstream

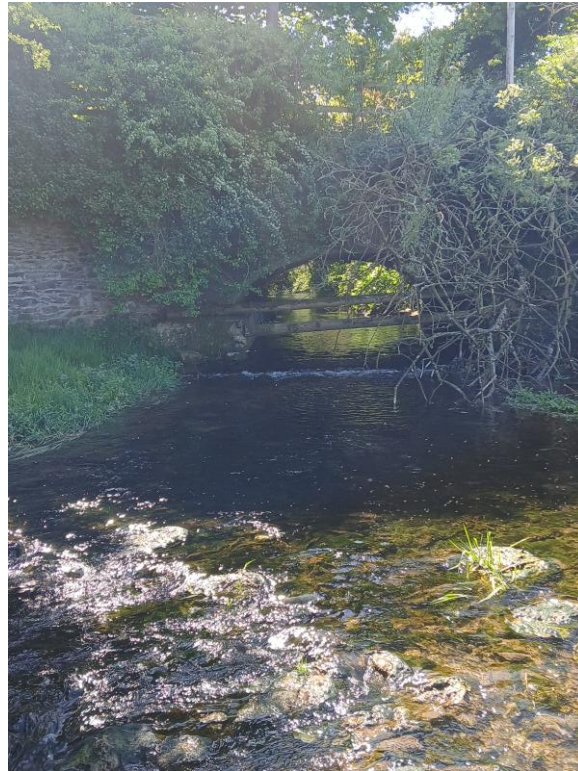


Plate 6 Ballynure Culverts– Downstream

1.4 Glenart Culvert

The Glenart Culvert located on the River Avoca, Co. Wicklow. The existing structure will need some modifications, along with work to the ground and soil around it to facilitate the migration of fish species.

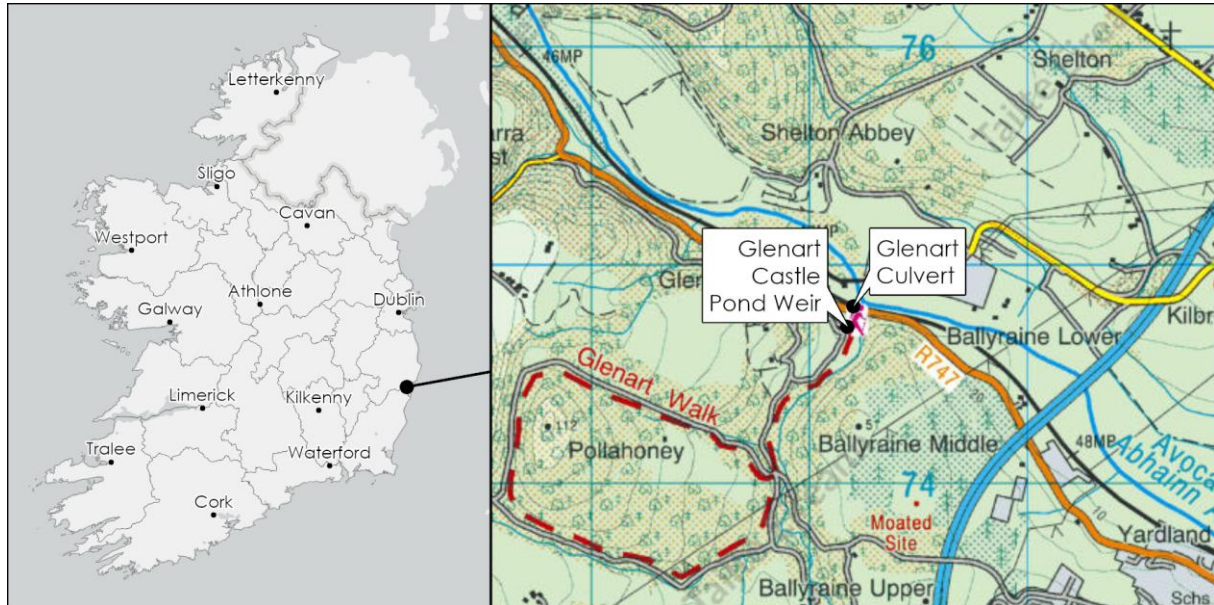


Figure 4 Location Map of Glenart Culvert



Plate 7 Glenart Culvert - Upstream



Plate 8 Glenart Culvert – Downstream