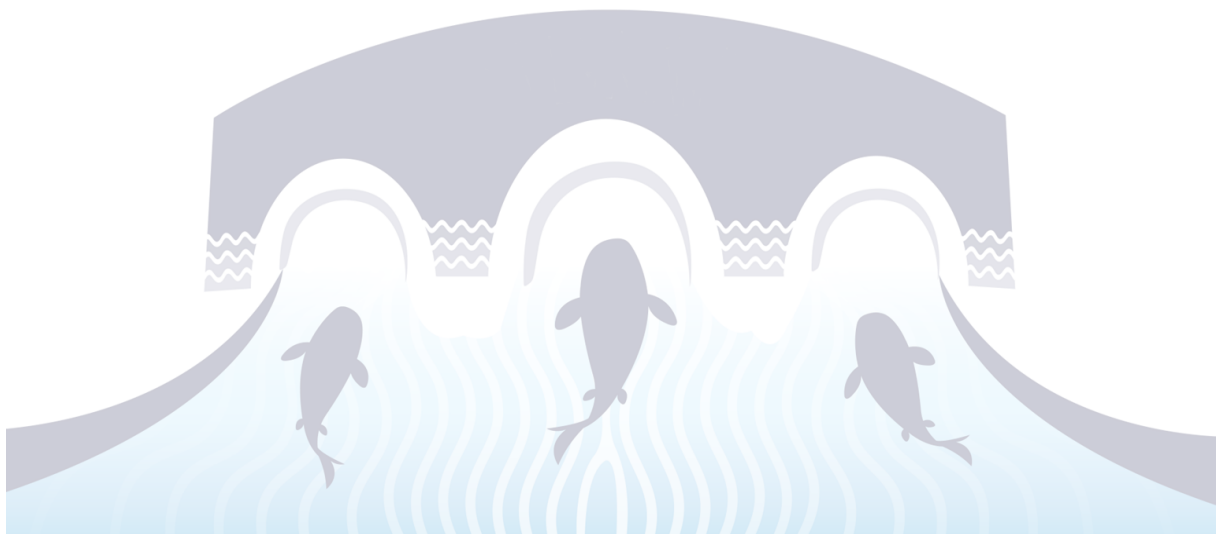




National Barrier Mitigation Programme

Topographic and Bathymetric Survey Appendix I

Lot 9 - Kildare



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1 Project Description

The full commission of this tender includes 3 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 1.3.

Site Number	Project Code	Project Barrier	County	U28 ID	Coordinates
1	0813011	Lullybeg Bridge 1	Kildare	14_23_26	53.278608N 6.998150W
2	0813012	Lullybeg Bridge 2	Offaly/Kildare	14_23_72	53.282912N 7.004803W
3	0812021	Figile Culvert	Kildare	14_1783_224	53.278670N 7.024591W

Table 1 Barrier Mitigation Projects

1.1 Lullybeg Bridge 1

The Lullybeg Bridge 1 is a bridge apron barrier on the Crabtree tributary of the River Barrow near Lullybeg, County Kildare. The barrier is a bridge apron with a hydraulic head of approximately 0.2m. The barrier is not inside any SAC, SPA, NHA or pNHA site. There is no known site and monuments records (SMR) or national inventory of architectural heritage (NIAH) sites with 3km of this barrier. The bridge apron is in the ownership of Bord ná Mona.

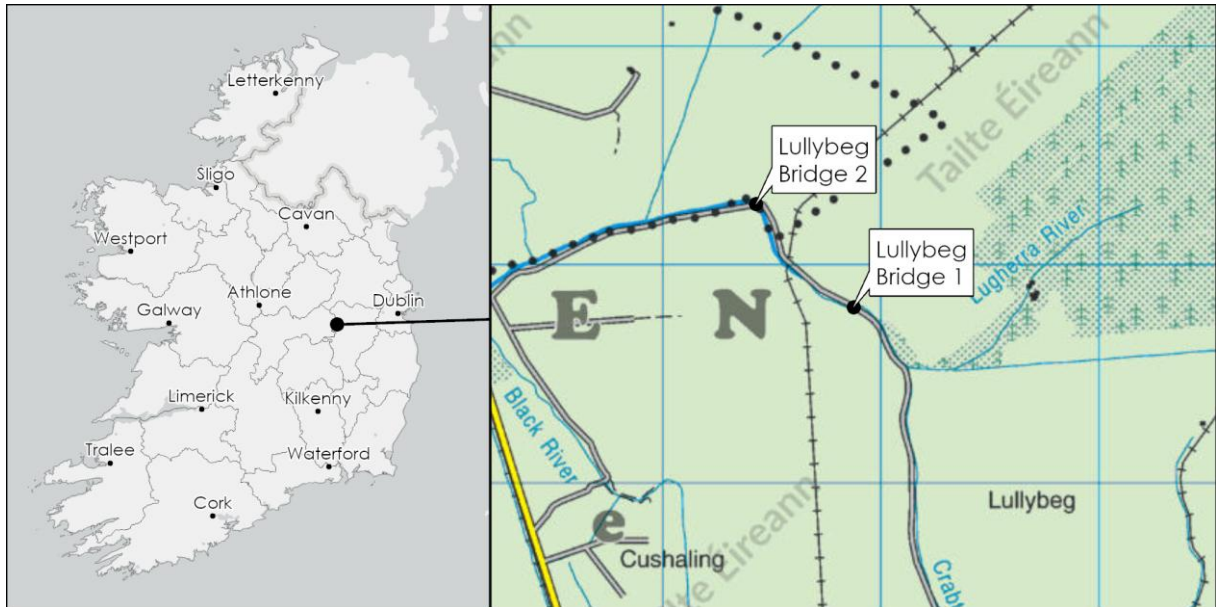


Figure 1 Location Map of Lullybeg Bridge 1



Plate 1 Lullybeg Bridge 1- Downstream



Plate 2 Lullybeg Bridge 1– Upstream

1.2 Lullybeg Bridge 2

The Lullybeg Bridge 2 is a perched culvert apron at Cushalling on the Offaly/Kildare border. It is located on the Crabtree River a tributary of the Cushaling River. It has been assessed by the IFI as being an impassable barrier for Salmon and Lamprey and by extension all species.

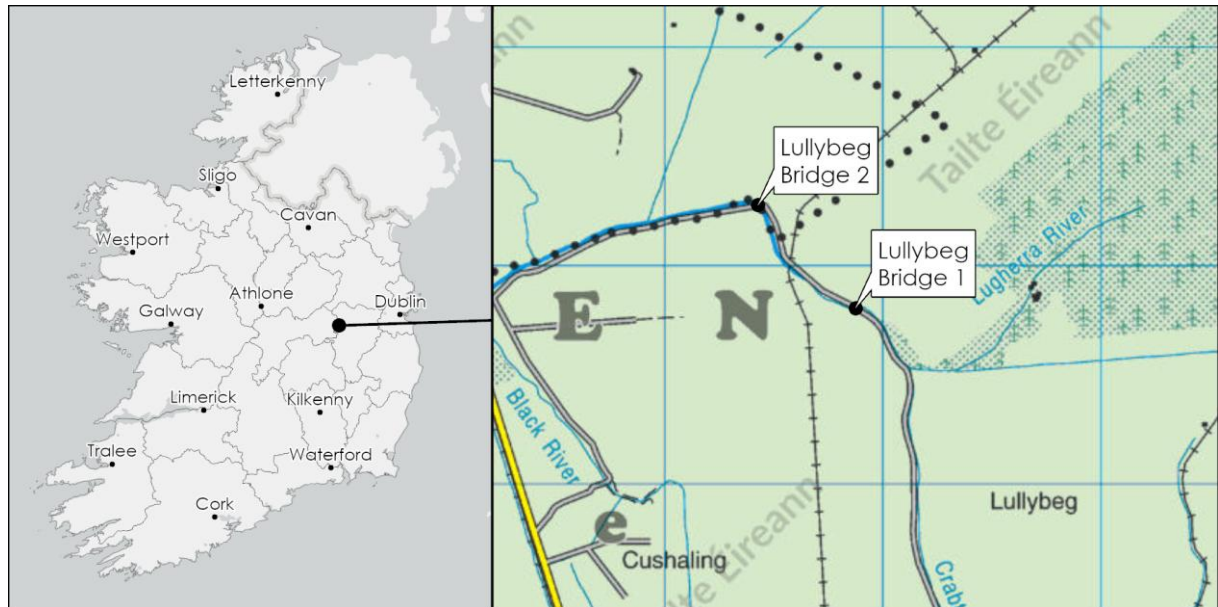


Figure 2 Location Map of Lullybeg Bridge 2



Plate 3 Lullybeg Bridge 2 - Upstream



Plate 4 Lullybeg Bridge 2 – Downstream

1.3 Figile Culvert

The Figile Culvert is located on the River Figile in Co. Kildare and is part of the River Barrow catchment. The existing barrier is of masonry structure. The existing structure will need some modifications and repairs, along with work to the ground and soil around it to facilitate the migration of fish species.

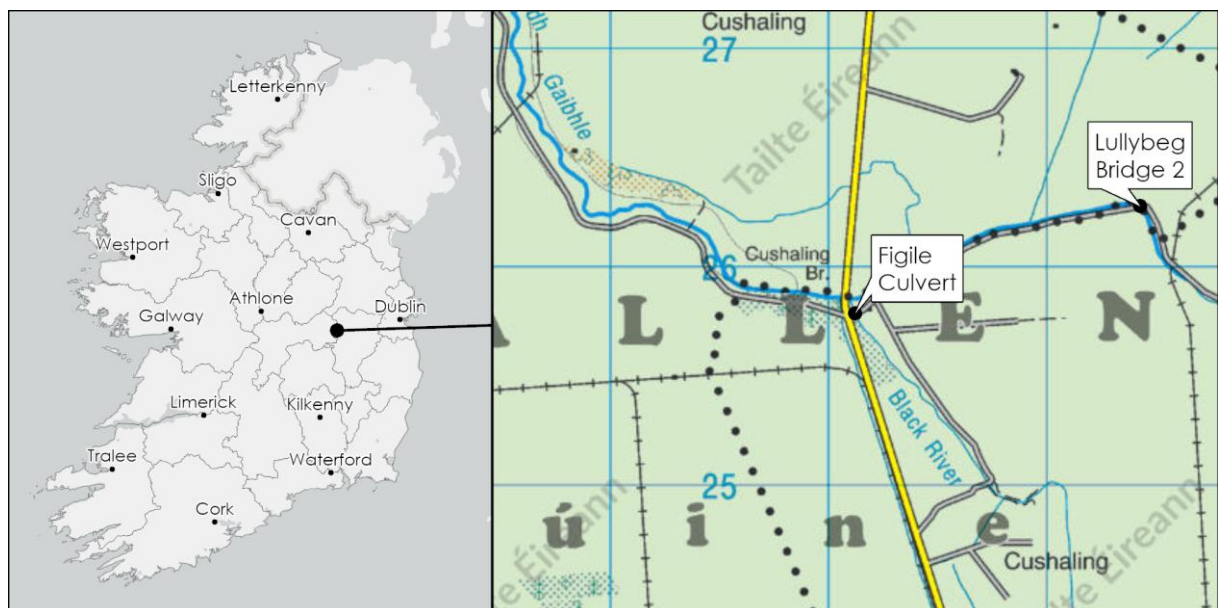


Figure 3 Location Map of Figile Culvert



Plate 5 Figile Culvert - Upstream



Plate 6 Figile Culvert – Downstream