



Iascach Intíre Éireann
Inland Fisheries Ireland

Lisheen Mines River Drish Habitat Improvements Works

Report of works on the River Drish April 2020

The river Drish in 2016 had a flow regime that was laminar in nature with limited areas of velocity diversity. This resulted in long stretches of deep pools or glides. The works proposed at the time was to increase velocity diversity using a series of in-stream flow modifications structures. These structures were to be constructed using large rock and would have the effect of creating a meandering channel and increasing the areas of fast flowing riffles, which in turn would create a habitat for juvenile salmonids. This resulting diversity of flow would also increase the spawning areas available for all fish species.



Figure 1 River Drish pre works

These works were carried out over a 3km stretch of the river Drish and resulted in both in-stream and riparian habitat improvements. While no electrofishing surveys have taken place since these works were completed, a number of walk over surveys have resulted in visual improvements to the channel.



Figure 2 Paired Deflectors under Construction

Inland Fisheries Ireland are satisfied that the work undertaken was necessary, it was constructed under the direction of Inland Fisheries Ireland. The works are a benefit to the river Drish habitat and will continue into the future to benefit the fish species in the River Drish.



Figure 3 Completed Paired Deflectors, note backfill which will vegetate

Inland Fisheries Ireland is also satisfied that these works were a justified investment by Lisheen Mines and will have a worthwhile return on the investment in terms ecological and environmental benefits.

Best Regards,

A handwritten signature in black ink that reads "Alan Cullagh". The signature is written in a cursive style with a small flourish at the end.

Alan Cullagh

Fisheries Inspector

Inland Fisheries Ireland

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Bill of Quantities

River Drish Development Plan Section 1 Materials

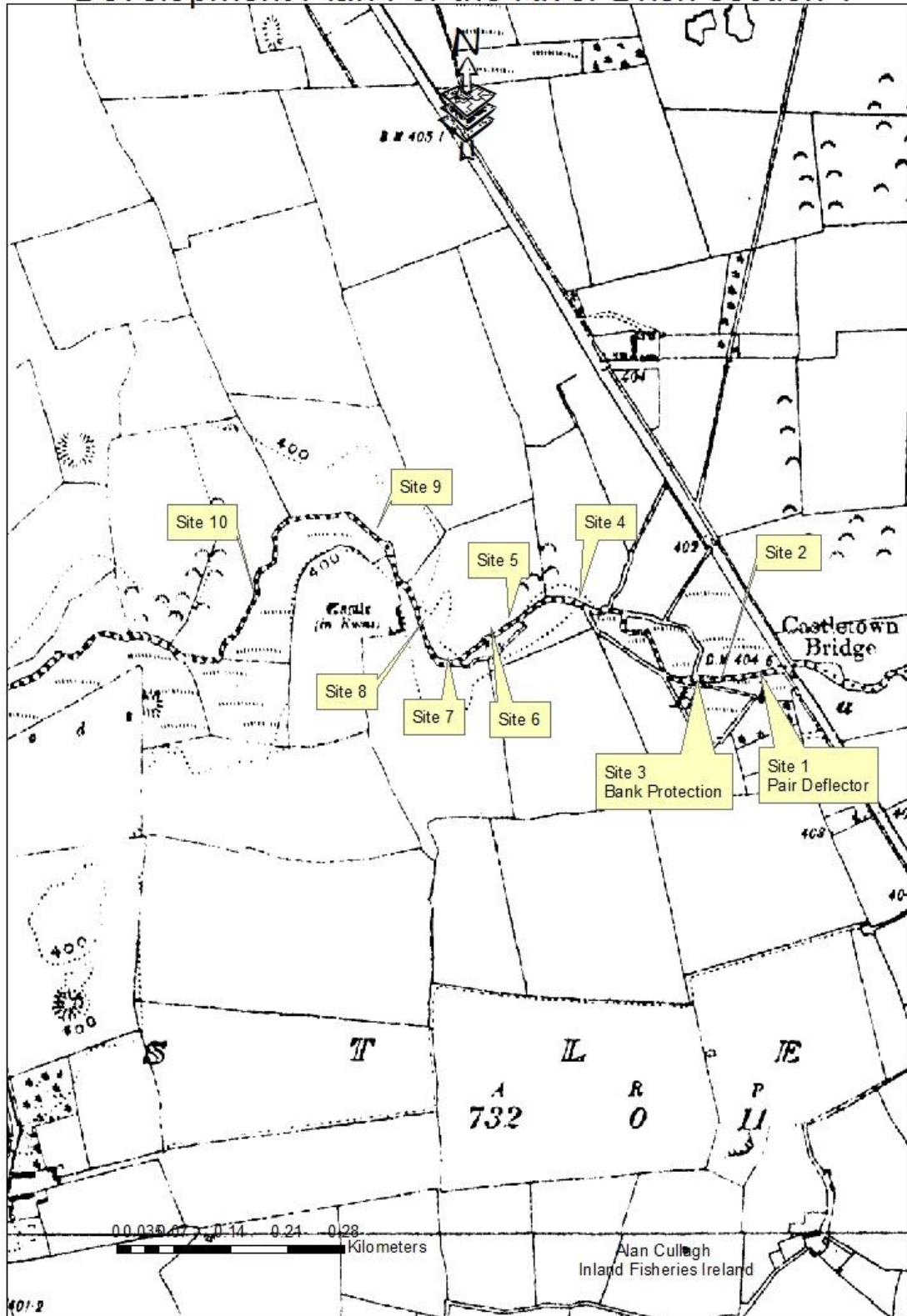
Site	Structure	Rock number	Pit Run
Site 1	Paired Deflector	40 No 1mx 1m x .5m	40 tonne
Site 2	Paired Deflector	40 No 1mx 1m x .5m	40 tonne
Site 3	Bank Protection	30 No 1mx 1m x.5 m	
Site 4	Paired Deflector	40 No 1mx 1m x .5m	40 tonne
Site 5	Single Deflector	20 No 1m x1m x.5 m	20 tonne
Site 6	Single Deflector	20 No 1m x1m x.5 m	20 tonne
Site 7	Single Deflector	20 No 1m x1m x.5 m	20 tonne
Site 8	Bank Protection	30 No 1mx 1m x.5 m	
Site 9	Paired Deflector	40 No 1mx 1m x .5m	40 tonne
Site 10	Paired Deflector	40 No 1mx 1m x .5m	40 tonne
Total		320	260

Material to be delivered to sites using tractor and dumper and placed using an excavator working from the bank

Alan Cullagh

Inland Fisheries Ireland.

Development Plan For the River Drish section 1



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