

**SORENSEN**

## Monthly Site Environmental Audit



## Glanmire Flood Relief Scheme

01/05/24 To 31/05/24

**ENVIRONMENTAL AUDIT**

Details			
<b>Project:</b>	Glanmire Flood Relief Scheme		
<b>Auditor:</b>	SD/LD	<b>Audit Period:</b>	April
<b>Locations Audited:</b>	All sites.		

**Week Commencing 29<sup>th</sup> April**
**Comments/Observations**

- Silt incident – Meadowbrook 30/04/24. Incident report: EIR 007. Occurred due to lack of pump supervision. Corrective Actions: Permit System to be updated.
- TBT Silt Management 02/05/24
- 29<sup>th</sup> April – 5<sup>th</sup> May: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
  - Mammal sightings: Holt N6D – cat 2<sup>nd</sup> & 4<sup>th</sup> May

**Week Commencing 6<sup>th</sup> May**
**Comments/Observations**

- Permit to pump water updated. All PTP valid for 1 week only for a given activity. If the work activity changes a new permit must be issued.
- Noise absorbent panels installed @ Sallybrook Holt N2.
- 2 GOs assigned to onsite environmental needs – pump set-up/monitoring/refueling, silt control installation, erosion control installation, etc.
- Works commenced @ Cois Na Gleann. Silt mitigation installed. Fish salvage completed via netting activity. A total of 5 juvenile Brown Trout and 1 European Eel netted from the works area.
- 6<sup>th</sup> – 12<sup>th</sup> May: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
  - Mammal sightings: Holt N6D – Cat 6<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> and 11<sup>th</sup> May – Fox 11<sup>th</sup> May

**Week Commencing 13<sup>th</sup> May**
**Comments/Observations**

- Fish/debris guard installed upstream of pumps – Cois Na Gleann.
- Further silt control installed at Sallybrook temporary SPW prior to permanent sheet pile wall installation.
- Pump failure upstream of Cois na Gleann and heavy rainfall resulted in the work site flooding
- 13<sup>th</sup> – 19<sup>th</sup> May: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
  - Mammal sightings: Holt N6D – Cat 16<sup>th</sup> and 19<sup>th</sup> May

## ENVIRONMENTAL AUDIT

**Week Commencing 20<sup>th</sup> May****Comments/Observations**

- Further updates made to silt control @ Sallybrook
- Environmental Tour 012 – 22/05/24 – All walls/curbs called up for removal to be surveyed for Little Robin (*Geranium purpureum*) prior to works.
- 20<sup>th</sup> – 26<sup>th</sup> May: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
  - Mammal sightings: **Holt N6D** – Cat 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup> and 25<sup>th</sup> May. **Holt N2** – Mink 25<sup>th</sup> May.

**Week Commencing 27<sup>th</sup> May****Comments/Observations**

- 27<sup>th</sup> May – 2<sup>nd</sup> June: Otter captured on N6D camera 29/05/24.
  - Other mammal sightings: **Holt N6D** – Cat, Fox and Dog 27<sup>th</sup> May. **Holt N6C** – Fox 27<sup>th</sup> May.

**Ecological Licenses Schedule****GFRS – Ecological Licences**

<b>ECOLOGICAL FEATURE</b>	<b>LICENCE TYPE</b>	<b>STATUS</b>	<b>START DATE</b>	<b>EXPIRY DATE</b>
<b>Badgers</b>	Derogation	Not Required	N/A	N/A
<b>Bats</b>	Derogation	Not Required	N/A	N/A
<b>IAPS</b>	Transport - JKW	Active	02/01/2024	31/06/2024
<b>Otters</b>	Derogation	Active – Holts N2, C2, N6C & N6D	22/02/2024	31/12/2024
<b>Otters</b>	Photograph/Film Wild Animals	Active	01/04/2024	31/10/2024
<b>E-Fishing – Cois na Gleann</b>	Section 14	Received	01/07/2024	31/07/2024
<b>E-Fishing – All other Areas</b>	Section 14	Applied for	TBC	TBC

**ENVIRONMENTAL AUDIT**

Action	Assigned to	Action Close Out Date
Water Quality monitoring – Sitewide	SD	Ongoing

April Look Ahead	
Area	Activity/Sensitive Feature
Sallybrook/Eurofins	Clay bund (weather permitting) – Japanese knotweed. Drainage works – Japanese knotweed Outfall (Eurofins) – silt control
Funeral Home	Drainage line – ground/surface water management
Meadowbrook	Outfall – Ground/surface water management
Copper Valley	Ground/surface water management
New Line	Ground/surface water management
Cois Na Gleann	Culvert installations – silt management

Audit Acceptance/Sign-Off	
Auditor Signature	Site Representative Signature
S. Dale L. Dolan	M. Snow

**Space provided on following pages for Figure**





Figure 1			Figure 2		
					
<b>Caption 1</b>			<b>Caption 2</b>		
Acoustic shield installed at holt N2			Fish guard installed at Cois na Gleann overpumping discharge point to prevent kick up of silt from the river bed and bank.		

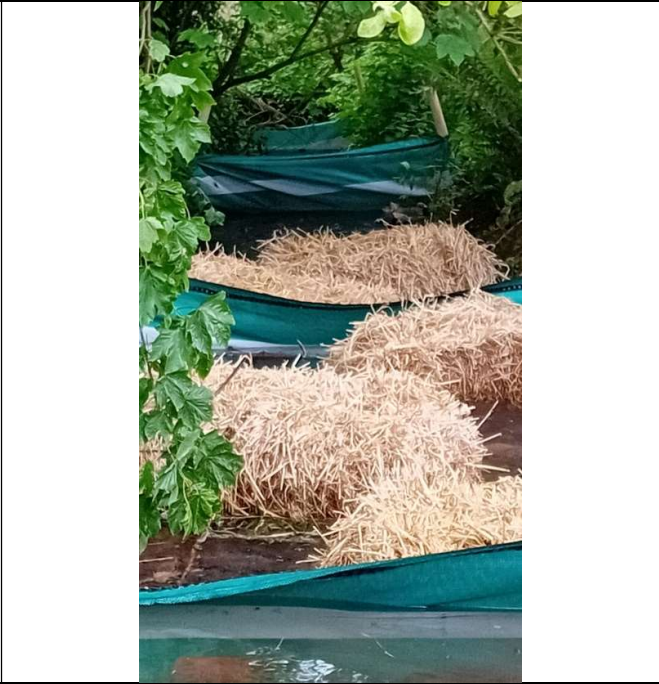
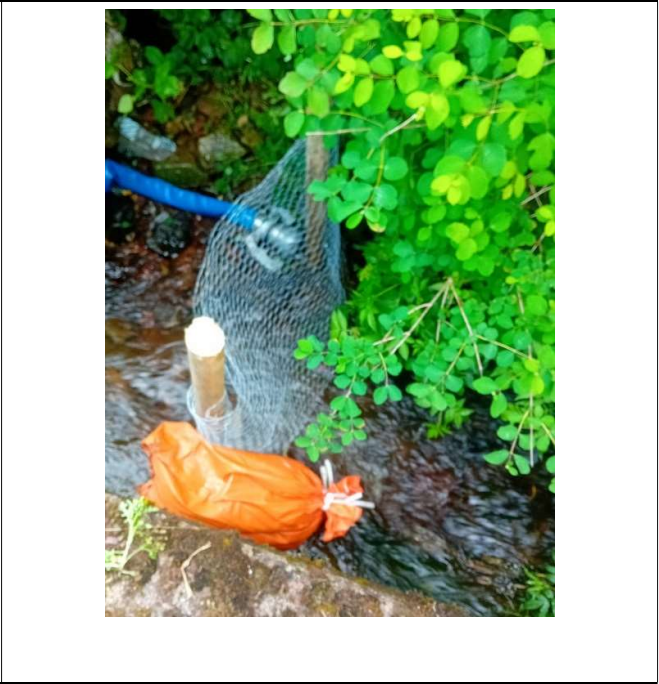
Figure 3			Figure 4		
					
<b>Caption 3</b>			<b>Caption 4</b>		
Silt fencing and straw bales deployed at Cois na Gleann to aid in the catchment and settlement of silt.			Fish and debris guard installed upstream of pump intake hose to prevent fish passage and blockage of pumps.		



Figure 5			Figure 6		
					
<b>Caption 5</b>			<b>Caption 6</b>		
Juvenile trout (x2_ and European eel (x1) recovered during fish salvage operation at Cois na Gleann.			High turbidity observed in Cois na Gleann stream (downstream discharge point)		



Figure 7			Figure 8		
					
<b>Caption 7</b>			<b>Caption 8</b>		
High turbidity observed in Cois na Gleann stream (upstream)			Overtopping (Cois na Gleann) 14/05/24. High turbidity both up and downstream.		

Figure 9			Figure 10		
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**Caption 9**

Wire fence effectively catching leaf litter/debris, preventing it entering the pumps (Cois na Gleann)



**Caption 10**

Cois na Gleann – Upstream wire fence cleared of debris daily to prevent overtopping.

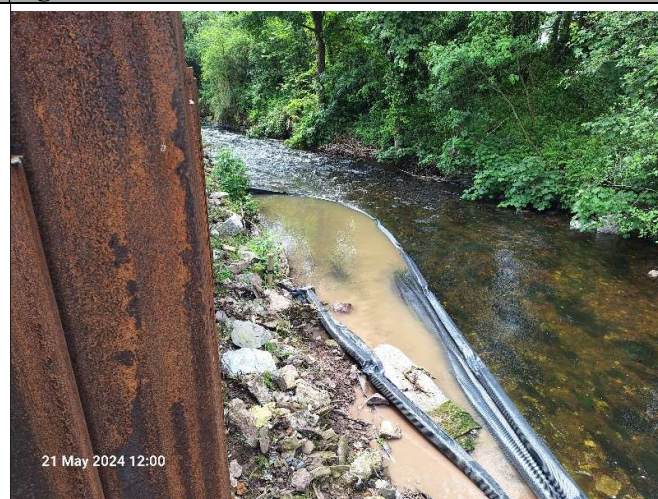
**Figure 11**



**Caption 11**

Silt fencing, curtains and straw bales installed at Sallybrook/Eurofins prior to sheet piling activity.

**Figure 12**



**Caption 12**

Silt curtains – Sallybrook/Eurofins during piling activity.

