

SORENSEN

Monthly Site Environmental Audit

SPILL CONTROL
OIL
ABSORBENT
GRANULES

INVASIVE
PLANT
SPECIES
AREA



Glanmire Flood Relief Scheme

01/07/24 To 29/07/24

Details			
Project:	Glanmire Flood Relief Scheme		
Auditor:	SD/LD	Audit Period:	July
Locations Audited:	All sites		

Week Commencing 1st July
Comments/Observations

- Silt curtains installed at Riverstown Bridge/Meadowbrook prior to digging out of diversion channel.
- Trees surveyed for nesting birds and bat roost potential (BRP) at Riverstown/Meadowbrook prior to felling – no nests located and no BRP.
- Silt curtains installed at Grandons for commencement of sheet pile wall installation.
- Trees surveyed at Grandon's prior to felling. No nesting birds or bat roost potential observed.
- Silt curtain installed at New Line in anticipation of river diversion.
- Silt curtain and fish guard (wire mesh) installed at Copper Valley prior to over pumping of Glenmore river.
- Electrofishing undertaken at Copper Valley 2/7/24, ECOW and RE present for periods of the efishing operation – Numbers: 102 juvenile Brown trout, 1 juv trout fatality, 24 lamprey, 7 eels. Total: 134
- Silt fence installed along the riverbank at Evcore gym prior to clearance works. Vegetation surveyed for nesting birds and BRP prior to clearance – no nests located and no BRP.
- Erosion control installed at intake and outfall points of New Line river diversion.
- Vegetation surveyed at Hazelwood bridge prior to clearance – no nests located and no BRP.
- Erosion control installed on exposed riverbanks @ Hazelwood Bridge
- Electrofishing undertaken at Meadowbrook/Riverstown 4/7/24, ECOW and RE present for periods of the efishing operation – Numbers: 103 juvenile Brown Trout, 24 juvenile Atlantic salmon, 35 eels, 1 lamprey, 0 fatalities. Total: 163
- Fish rescue undertaken at New Line (Electrofishing not required as per IFI discussions) – Numbers: 26 juvenile Brown trout, 2 lamprey. Total: 28
- Silt mitigation adjusted and/or updated in all locations as required.
- 1st – 7th July: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
 - Mammal sightings: **Holt N2** – Mink 29/6/24, Cat 4/7/24, 5/7/24 & 7/7/24. **Holt N6C** – Fox & Cat 3/7/24, Fox 5/7/24

Week Commencing 8th July
Comments/Observations

- Clearance works continued at Evcore gym – no nesting birds located and no BRP.
- Silt curtains installed for removal of temporary sheet piles and edge of riverbank at Eurofins/Sallybrook.
- Single small fish removed via hand net from ponding water behind temporary sheet piles.
- Oil spill at Meadowbrook 9/7/24 – source Trench Control piling rig. Site Environmental Team undertook clean up immediately with use of Bioversal spray, oil absorbent booms and pads. Incident report issued 18/7/24.
- Further tree removal at Meadowbrook, no bird nests located or BRP.
- Temporary sheet piles and edge of riverbank removed at Eurofins/Sallybrook.
- Environmental Tour 10/7/24 – No significant findings
- 8th – 14th July: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
 - Mammal sightings: **Holt N2** – Cat 11/7/24. **Holt N6C** – Fox 11/7/24, Cat 12/7/24 & 14/7/24.

Week Commencing 15th July
Comments/Observations

- Flagstones installed at Cois na Gleann culvert.
- Pumps temporarily turned off at Cois na Gleann – issues with Cois na Gleann downstream water quality monitoring sondes not recording accurate pH readings (16th – 17th July) issue assessed by sonde supplier 22/7/24 and rectified 24/7/24. pH monitored using a handheld monitor during the interim. pH exceedances were noted on the upstream Hazelwood bridge sonde.
- Oil contamination encountered at Grandon's during rock armour removal. Temporary storage area created for contaminated boulders in Area 1 compound, which was bunded and lined with heavy duty plastic. Oil booms placed on the riverbank in case of an accidental release of oil during the recovery of the boulders.
- 15th – 21st July: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
 - Mammal sightings: **Holt N6D** – Cat 25/7/24

Week Commencing 22nd July
Comments/Observations

- Oil contamination at Grandons - Millrace – oil booms placed instream parallel to the riverbank in case of an accidental release during the recovery of the boulders and installation of sheet piles. Silt fences and oil booms installed perpendicular to the riverbank both upstream and downstream of the existing millrace culvert. Bioversal spray was deployed on three occasions during the works to minimise any potential impacts in case of the accidental release of oil. Water levels monitored and managed during works. Three eels removed using hand nets from the instream works area.
- Headwall installed on pipe outfall at Area 1 Sallybrook Compound. JKW survey completed in advance.
- Embankment works on going at Area 1 Sallybrook Compound. JKW survey completed in advance. JKW was recorded.
- Cofferdam installed at Hazelwood bridge for western and eastern abutment. Silt fencing in place for these works.
- Environmental Tour 24/7/24 – high levels of silt observed at Copper Valley during sheet piling activity. Works stopped until a ne methodology is formed.
- 22nd – 28th July: No Otter sightings on cameras monitoring N2, C2, N6C and N6D.
 - Mammal sightings: **Holt N6D** – Cat 25/7/24

Ecological Licences Schedule
GFRS – Ecological Licences

ECOLOGICAL FEATURE	LICENCE TYPE	STATUS	START DATE	EXPIRY DATE
Badgers	Derogation	Not Required	N/A	N/A
Bats	Derogation	Not Required	N/A	N/A
IAPS	Reg 14 – Transport JKW	Active	02/01/2024	31/06/2024
IAPS	Reg 14 – Transport JKW + HB	Pending	01/08/2024	
Otters	Derogation	Active – Holts N2, C2, N6C & N6D	22/02/2024	31/12/2024
Otters	Photograph/Film Wild Animals	Active	01/04/2024	31/10/2024
E-Fishing – Cois na Gleann	Section 14	Received	01/07/2024	31/07/2024
E-Fishing – All Areas	Section 14	Received	01/07/24	31/09/2024

August Look Ahead	
Area	Activity/Sensitive Feature
Sallybrook/Eurofins	Rock armour – silt management Embankment work – Japanese knotweed
Grandons	Sheet piling – instream work, silt management/contaminated ground
Cois Na Gleann	Culvert installations – silt management/pH monitoring
Hazelwood	Bridge Extension – instream works, silt management/Japanese knotweed/ electrofishing
Funeral Home	Ground water management
Meadowbrook	Outfall – Ground/surface water management Regrading/Dredging – instream works, silt management
Springmount	Dredging – silt management
Copper Valley	Ground/surface water management (over pumping). Electrofishing.
New Line	Ground/surface water 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		
					
Caption 1			Caption 2		
Silt curtains at Grandons installed prior to instream works			Tree removal at Grandons		



Figure 3			Figure 4		
					
Caption 3			Caption 4		
Tree removal at Meadowbrook			Silt curtains installed at Meadowbrook prior to digging of diversion channel.		



Figure 5			Figure 6		
					
Caption 5			Caption 6		
Trees surveyed prior to clearance - Meadowbrook			Electrofishing operation undertaken at Copper Valley. Sample catch.		



Figure 7			Figure 8		
					
Caption 7			Caption 8		
Silt fence installed at Evcore gym for bank clearance works.			Trees/scrub surveyed prior to clearance – Hazelwood Bridge		



Figure 9			Figure 10		
					
Caption 9			Caption 10		
Trees/scrub surveyed prior to clearance – Hazelwood Bridge			Electrofishing operation undertaken at Meadowbrook.		



Figure 11			Figure 12		
					
Caption 11			Caption 12		
New silt curtain setup at Meadowbrook			Spraying of Bioversal HC post hydraulic hose burst - Meadowbrook		



Figure 13			Figure 14		
 <p>09 July 2024 10:24</p>			 <p>09 July 2024 10:37</p>		
Caption 13			Caption 14		
Clean up of Hydraulic oil post hose break.			Trench Control – hose burst released bio-degradable hydraulic oil.		

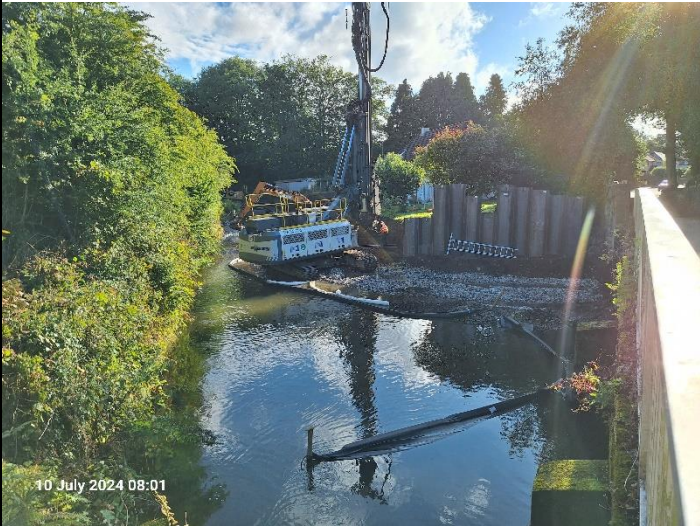
Figure 15			Figure 16		
 <p>10 July 2024 08:01</p>			 <p>11 July 2024 8:11 am</p>		
Caption 15			Caption 16		
Meadowbrook Sheet Piling			Erosion control coir mesh installed at Hazelwood bridge.		



Figure 17			Figure 18		
					
Caption 17			Caption 18		
Temporary sheet pile removal at Sallybrook/Eurofins			Silt fence installed at Hazelwood prior to installation of cofferdam.		



Figure 19			Figure 20		
					
Caption 19			Caption 20		
Temporary sheet pile removal at Sallybrook/Eurofins – effective use of silt curtains			Temporary sheet pile removal at Sallybrook/Eurofins – effective use of silt curtains		



Figure 21			Figure 22		
					
Caption 21			Caption 22		
Regrading completed at eastern eye of Riverstown Bridge.			Silt fence in place for regrading works at Riverstown Bridge.		

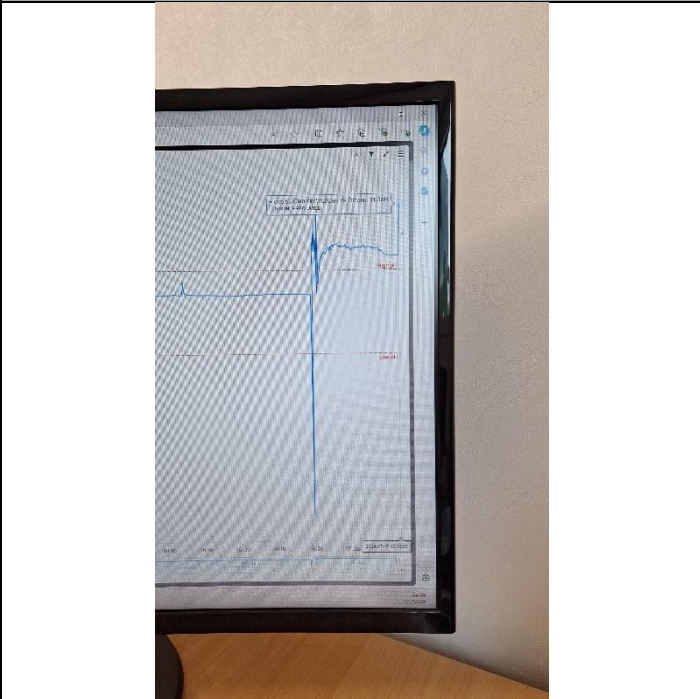



Figure 23			Figure 24		
					
Caption 23			Caption 24		
Erratic pH readings at Cois na Gleann downstream sonde. Monitor adjusted and recalibrated.			Handheld monitoring completed while the sonde was malfunctioning.		

Figure 25			Figure 26		
					
Caption 25			Caption 26		
Oil contamination - Grandons			Storage area for oil contaminated boulders removed from Grandons.		