

SORENSEN


Monthly Environmental Audit – February 2025



Glanmire Flood Relief Scheme

01/02/25 to 28/02/25

ENVIRONMENTAL AUDIT

Project/Contract Name:	Glanmire Flood Relief Scheme		
Project Address:	Sallybrook/Glanmire, Co. Cork		
Auditor(s):	Site Ecologists Name: Lisa Dolan	Signature: 	
	Site Manager/SCE Environmental Unit: Marcus Browne	Signature:	
Monthly Report	February 2025	Period	01/02/2025 – 28/02/2025
Audit Number	GFRS-EA-2025FEB	Date	04/03/2025
Locations Audited:	All works areas		

Week Commencing 1st February 2025

Comments/Observations

- Permit to Pump No. 121 was issued on 04/02/2025 to dewater the excavation/cofferdam in order to facilitate the construction of the RC Wall upstream of the culvert at New Line (GFRS-PTP-121). Pumping commenced on 04/02/2025, along with monitoring of the silt control measures and the discharge from the settlement tank under Permit to Pump No. 121. In addition to visual checks, the turbidity (NTU) of the pumped water was monitored and tested daily prior to discharge with a handheld device, by the Site Ecologist, or other nominated member of the SCE's Environmental Unit. Where turbidity levels were found to be at an unacceptable level, pumping was ceased and/or silt control measures were adjusted/enhanced.
- As a temporary works measure Coir Mesh was placed on the southern banks of the Glenmore River at Copper Valley Vue on the 05/02/2025 to stabilise the banks against high energy fluvial flows, whilst awaiting details of the final design.
- Permit to Pump No. 122 was issued on 06/02/2025 to dewater the excavation/cofferdam in order to facilitate the construction of the RC Wall at Springmount (GFRS-PTP-122).
- Permit to Pump No. 123 was issued on the 07/02/2025 to overpump the foul drainage line in order to facilitate the construction of the RC Wall at Springmount (GFRS-PTP-123).
- Permit to Pump No. 124 was issued on 13th February to dewater the excavation/cofferdam in order to facilitate the construction of Sallybrook Pump Station (GFRS-PTP-124). The Method Statement was revised to reflect the proposed silt control measures under the permit to pump which included the discharge of pumped water (where existing water levels permitted) to Sallybrook Stream (considered to be of poor fisheries value). A series of silt fences and gravel check dams were installed in the bed of the stream such that it provided a temporarily linear attenuation and settlement system. The water levels in the stream were monitored to avoid the risk of water overtopping the banks of the channel. Along with visual checks, the turbidity (NTU) of the pumped water was monitored and tested daily prior to discharge with a handheld device, by the Site Ecologist, or other nominated member of the SCE's Environmental Unit.

- Where turbidity levels were found to be at an unacceptable level, pumping was ceased and/or silt control measures were adjusted/enhanced.

Note: Sallybrook Stream is a heavily modified eroding/upland river of poor fisheries value [see Triturus, 2021. Glashaboy Flood Relief Scheme Otter Survey 2021. Report prepared on behalf of ARUP. December 2021].

Week Commencing 8th February

Comments/Observations

- Permit to Clear Vegetation No. 003 was issued on the 11/02/2025 to accommodate the installation of lighting standards at Hazelwood Junction (GFRS-PTCV- 003).
- Permit to Clear Vegetation No. 004 was issued on the 11/02/2025 to repair minor limb damage to trees at Meadowbrook and New Line (GFRS-PTCV- 004).
- Permit to Clear Vegetation No. 005 was issued on the 11/02/2025 to facilitate works by the ESB at the entrance to Sallybrook Industrial Estate (GFRS-PTCV- 005).
- An Environmental Incident occurred at approx. 9.00am on 14/02/2025 at Circus Field – a hydraulic hose burst on the excavator working within the storage compound. The machine operator contacted SCE's Environmental Unit requesting back-up support. The On-board 20L spill kit was deployed at the location of the spill zone. This was followed by the deployment of further oil pads from the Circus Field 240L spill kit and the use of Bioversal by SCE's Environmental Unit. An Environmental Incident Report is in preparation.
- High fluvial flows were observed in all surface watercourses on the 14/02/2025 following heavy rains. No environmental related issues to report with the exception of sandbags washed into the channel which will be recovered during the instream works season and the potential for fish to get trapped in a stormwater drainage pipe which became exposed on the banks of the Glenmore River due to bank erosion. The entrance to the pipe was blocked off with silt fencing to prevent fish from gaining access to the pipe.
- Monitoring of site control measures and discharge from settlement tank at New Line continued under Permit to Pump No. 121.
- Monitoring of silt control measures and discharge at Sallybrook Stream continued under Permit to Pump No. 124.

Week Commencing 15th February

Comments/Observations

- Permit to Pump No. 125 was issued on the 17/02/2025 to dewatering the works area in order to facilitate the construction of the RC Wall at Springmount (GFRS-PTP-125).
- Permit to Pump No. 126 was issued on the 26/02/2025 to over pump an existing stormwater drainage line in order to facilitate the construction of the RC Wall at Newline (GFRS-PTP-126).
- Permit to Pump was issued on the 26/02/2025 in respect of dewatering the works area for Grandons Hydrocarbon Interceptor (GFRS-PTP-127).
- Monitoring of silt control measures and discharge at Sallybrook Stream continued under Permit to Pump No. 124.

- Monitoring of site control measures and discharge from settlement tank at New Line continued under Permit to Pump No. 121.
- NVM supplier of the Noise & Vibration monitoring stations were on site on the 19/02/2025 to carry out maintenance/service checks on the stations.

Week Commencing 20th February**Comments/Observations**

- Otter survey report received and reviewed by SCE. Comments sent to Triturus Environmental Ltd. Revised report received on 23/02/2025.
- Permit to Clear Vegetation issued on the 25/02/2025 to facilitate the construction of a Hydrometric Station at Meadowbrook (GFRS-PTCV- 006). Works were supervised by the Site Ecologist.
- Permit to Clear Vegetation issued on the 25/02/2025 to facilitate the construction of a Pump Station and RC Wall at The Grove (GFRS-PTCV- 007). Works were supervised by the Site Ecologist.
- The Dipper nest box installed in 2024 on the Cois na Gleann culvert was removed and replaced on the 20/02/25 with an upgraded design, and more optimum placement within the culvert, in line with current best practice and in advance of the 2025 breeding season. SCE consulted with and advised Dr. Patrick Smiddy (formerly of NPWS) and Dr. Sam Bayley NPWS Conservation Ranger with regards to the works.
- High fluvial flows observed in all surface watercourses on the 20-21/02/2025 following heavy rains. No environmental related issues to report with the exception of sandbags washed into the channel which will be recovered during the instream works season.
- Environmental Tour 024 took place on the 26/02/25 - main findings related to house-keeping, future works to be undertaken, and follow up on overdue paperwork the completion of which has been impacted by the significant amount of ecology related site work/paperwork executed during the month of February.
- Permit to Clear Vegetation issued on the 26/02/2025 to accommodate the installation of bus shelter at District Eleven, Crestfield Centre (GFRS-PTCV-008). Works were supervised by the Site Ecologist.
- Permit to Clear Vegetation issued on the 26/02/2025 to accommodate the repair works to the existing wall at Newline (between Brooklodge culvert and the M8 overpass) (GFRS-PTCV-009). Recovery of Cherry laurel and Buddleia vector material was supervised by the Site Ecologist.
- Permit to Clear Vegetation issued on the 27/02/2025 to accommodate the installation of a footpath at Hazelwood Junction (GFRS-PTCV-011).
- The application for the Otter Derogation Licence was granted by NPWS on the 27/02/2025.
- Monitoring of silt control measures and discharge at Sallybrook Stream continued under Permit to Pump No. 124.
- Monitoring of site control measures and discharge from settlement tank at New Line continued under Permit to Pump No. 121.

Week Commencing 28th February**Comments/Observations**

- Monitoring of silt control measures and discharge at Sallybrook Stream continued under Permit to Pump No. 124.
- Monitoring of site control measures and discharge from settlement tank at New Line continued under Permit to Pump No. 121.
- SCE have replenished stock levels of Environmental Control Measures having acquired spill kits, silt fences, and erosion protection for temporary and permanent works.
- SCE are still awaiting the licence to Photograph/Film a Protected Wild Animal (Otter) from NPWS. NPWS staff members have been on annual leave over the past number of weeks.

Environmental Licences Schedule

Ecological Licences

Ecological Receptor	Licence Type	Licence No	Details	Start Date	Expiry Date	Status
Badgers	N/A	N/A	Not required	N/A	N/A	N/A
Bats	N/A	N/A	Not required	N/A	N/A	N/A
Birds	N/A	N/A	N/A	N/A	N/A	N/A
Amphibians	N/A	N/A	Not required	N/A	N/A	N/A
IAPS	Reg 49(2)		Japanese knotweed	02/01/2024	30/06/2024	Expired
IAPS	Reg 49(2)	Reg 49 58/2024	Japanese knotweed, Himalayan balsam	06/09/2024	30/06/2025	Active
Otters	Reg 54 Derogation	DER-OTTER-2024-47	Active holts N2, C2, N6C and N6D	22/02/2024	31/12/2024	Expired
	Reg 54 Derogation	DER-OTTER-2025-07	Active holts and couch H3, H4, H5, AH1, H7A, H7B and H8, C1	27/02/2025	31/12/2025	Active
	Section 23(6)b Photograph/Film	Reg 034/2024	Trail cameras for Otter	01/04/2024	31/10/2024	Expired
E-Fishing	Section 14 – Cois na Gleann		Cois na Gleann	01/07/2024	31/07/2024	Expired
	Section 14 – All works areas		Glashaboy, Glenmore River	01/07/24	31/09/2024	Expired

March 2025 Look Ahead	
Area	Activity/Sensitive Receptor
All Areas	N/A
New Line	Monitoring of dewatering activities is ongoing to facilitate the construction of the RC Wall.
Copper Valley Vue	Removal of Bailey Bridge
Sallybrook	N/A
Grandons	Installation of the Petrol Interceptor to commence
Meadowbrook	Dewatering of installed pump station tanks
	Commencement of sheetpiling
Circus Field	Extension of the overflow culvert works to commence
The Grove	Pump Station and RC Walls works to commence.


Audit Acceptance/Sign-Off	
Auditor Signature: Lisa Dolan	Site Representative Signature: Mark Snow
	

Figure 1		Figure 2	
			
Caption 1		Caption 2	
Sallybrook Stream		Stormwater Drainage Line	
Silt control measures (silt fences and gravel checks dams) in place at Sallybrook Stream at the discharge point for Sallybrook Pump Station		Erosion control measures in place at discharge point for the overpumped stormwater drainage line at New Line	


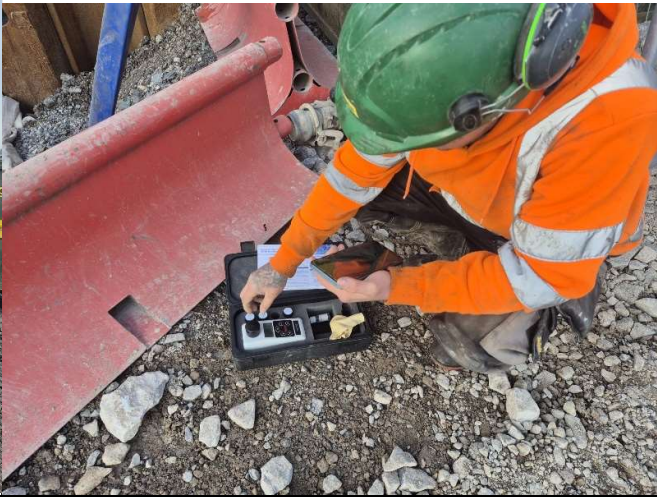
Figure 3			Figure 4		
					
Caption 3			Caption 4		
Silt control measures (settlement tank and manifold system) in place at the discharge point for the RC Wall at New Line.			Member of SCE's Environmental Unit taking handheld turbidity meter readings from the discharge point at New Line.		





Figure 5			Figure 6		
					
Caption 5		Copper Valley Vue	Caption 6		Copper Valley Vue
Temporary erosion protection works at Copper Valley Vue (before)			Temporary erosion protection works at Copper Valley Vue (after)		

Figure 6		Figure 7	
			
Caption 6	Cois na Gleann Culvert	Caption 7	Circus Field
Dipper nest box being installed on Cois na Gleann culvert		Deployment of spill kit at Circus Field	

Figure 7	Figure 8
	
Caption 9	Caption 10
The Grove	The Grove
<p>Clearance of vegetation to accommodate the Pump Station and RC Walls at The Grove was supervised by the Site Ecologist. 1 no. mature Sycamore (<i>Acer pseudoplatanus</i>) an invasive species categorised as “Medium Impact” by the National Biodiversity Data Centre (NBDC) was felled along with a group of Willow trees.</p>	<p>The Sycamore tree had a DBH of 167cm @ 1.3m. No cracks, crevices, hollows, tree wounds, peeling bark or heavy ivy cover <i>etc</i> which could conceal the presence of bat roost was noted. Biosecurity measures were deployed given that the presence of Japanese knotweed is indicated on the Site Clearance drawings at this location. No signs of last seasons growth of Japanese knotweed were noted. This may be due to the fact that the plants are in “chemical dormancy” as a result of a historical chemical herbicide treatment programme.</p>