

SORENSEN

Monthly Environmental Audit – Sept 2025



Glanmire Flood Relief Scheme

01/09/25 to 30/09/25

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	September 2025	Period	01/09/2025 – 30/09/2025
Audit Number	GFRS-EA-2025SEPT	Date	01/10/2025
Locations Audited:	All works areas		

Week Commencing 1st September

Comments/Observations

- Monitoring of the pumping arrangement at Brooklodge Culvert continued under Permit to Pump No. 143 issued on 14/08/2025 for the overpumping of the Glenmore River to facilitate the completion of RC Walls, rock armouring and step pools for fish passage. Monitoring included checks on the 3 no. upstream fish guards to ensure fish could not gain entry to pumping system. The fish guards have to be regularly cleaned to remove fallen leaves to avoid blockage and subsequent damage from high velocity flows.
- Installation of erosion matting on the banks of the Glashaboy River downstream of Riverstown Bridge commenced on 02/09/2025. Works were supervised by the IAPS Specialist Ecologist due to the presence of Bohemian knotweed.
- Ongoing monitoring of the pumping arrangement at Brooklodge Culvert under Permit to Pump No. 143 identified a pH spike on the downstream remote water quality device (sondes) on the Glenmore River on 03/09/2025. A layflat had burst allowing some water to enter the dry works area. Repairs were made to the pumping system immediately.
- Resurfacing of the access ramp into the Glashaboy River at Hazelwood Shopping Centre Bridge was completed on the 03/09/25.
- Permit to Clear Vegetation No. 32 (GFRS-PTCV-032) was issued on 04/09/25 to facilitate the installation of the erosion matting on the riverbank at Riverstown Bridge.
- The temporary sheetpiles forming the cofferdam for the eastern abutment of Hazelwood Shopping Centre Bridge were removed “in the wet” on the 04/09/2025.
- Installation of rock armour continued at Hazelwood Shopping Centre Bridge “in the wet”.
- Installation of permanent sheetpiles at Sallybrook embankment continued under the supervision of the IAPS Specialist Ecologist. Japanese knotweed was encountered during the works.

- Further to the Environmental Incident which took place on 27/03/2025 at Sallybrook Stream, monitoring of the hydrocarbon control measures is being undertaken daily by SCE's Environmental Unit. This involves daily visual checks and adjustment and/or replacement of hydrocarbon absorbent booms, absorbent pads and the deployment of Bioversal RC to minimise the release of hydrocarbons into the Glashaboy River, where required. Under instruction from the Site Ecologist members of SCEs Environmental Unit regularly walk the Glashaboy River instream as far as the weir below Grandons deploying Bioversal RC to the rock armouring and any visible film of hydrocarbons, where required.

Week Commencing 8th September

Comments/Observations

- Permit to Clear Vegetation No. 33 (GFRS-PTCV-033) was issued on 08/09/25 to facilitate the installation of the sheetpile wall at the Credit Union. Works were supervised by the IAPS Specialist Ecologist. Bohemian knotweed was recorded present.
- Temporary sheetpiles were installed "in the wet" to create a cofferdam for the tie-in to Hazelwood Bridge on the 08/09/25.
- Permit to Pump No. 147 was issued on 09/09/25 to facilitate the dewatering of the cofferdam for the for the tie-in to Hazelwood Bridge.
- Permit to Clear Vegetation No. 34 (GFRS-PTCV-034) was issued on 11/09/25 to facilitate the installation of rock armouring upstream of Hazelwood Bridge.
- Monitoring of the pumping arrangement at Brooklodge Culvert continued under Permit to Pump No. 143 issued on 14/08/2025 for the overpumping of the Glenmore River to facilitate the completion of RC Walls, rock armouring and step pools for fish passage. Monitoring included checks on the 3 no. upstream fish guards to ensure fish could not gain entry to pumping system. The fish guards have to be regularly cleaned to remove fallen leaves to avoid blockage and subsequent damage from high velocity flows. An additional fish guard was added on 10/09/25 to address increasing autumn leaf fall.
- Hydrocarbon control measures i.e. Bioversal RC was deployed at Hazelwood Shopping Centre Bridge due to the presence of a localised hydrocarbon sheen on 10/09/25. Machines working instream were also sprayed with Bioversal RC prior to deployment.
- Two transverse alignments of anchor boulders (Old Red Sandstone) were installed in the dry instream works area at Brooklodge Culvert for the Step Pool Arrangement on 11/09/25.
- Installation of rock armouring "from the dry" upstream of Hazelwood Bridge commenced on 12/09/25.
- Additional river gravels, removed from the cofferdam of the eastern abutment of Hazelwood Shopping Centre Bridge, were added to the Step Pool Arrangement at New Line on 12/09/25.
- The pumps were turned off and the dam for the overpumping of the Glenmore River at Brooklodge was removed on 12/09/25 to rewet the dry instream works area post completion of works.
- Further to the Environmental Incident which took place on 27/03/2025 at Sallybrook Stream, monitoring of the hydrocarbon control measures is being undertaken daily by SCE's Environmental Unit. This involves daily visual checks and adjustment and/or replacement of hydrocarbon absorbent booms, absorbent pads and the deployment of Bioversal RC to minimise the release of hydrocarbons into the Glashaboy River, where required. Under instruction from the Site Ecologist members of SCEs Environmental Unit regularly walk the Glashaboy River instream as far as the weir below Grandons

deploying Bioversal RC to the rock armouring and any visible film of hydrocarbons, where required.

Week Commencing 15th September**Comments/Observations**

- Monitoring of the silt control measures set up at the designated infiltration area (in Circus Field) to accommodate the dewatering of the cofferdam for the tie-in to Hazelwood Bridge continued under Permit to Pump No. 147.
- Installation of a stormwater outfall, rock armouring and regrading of the riverbed “in the dry and in the wet” commenced at Copper Valley Vue on 15/09/25. Recovered gravels were monitored for the presence of fish.
- Installation of rock armouring and access track reinforcement “in the dry and in the wet” commenced at the Credit Union on 15/09/25. Recovered gravels were monitored for the presence of fish.
- Permit to Clear Vegetation No. 35 (GFRS-PTCV-035) was issued on 16/09/25 to facilitate the installation of a stormwater outfall and rock armouring in Area 4: The Grove.
- Installation of the stormwater outfall commenced on 16/09/2025 under supervision of the IAPS Specialist Ecologist. Bohemian knotweed was recorded present.
- Permit to Clear Vegetation No. 36 (GFRS-PTCV-036) was issued on 16/09/25 to facilitate the installation of the stormwater outfall, rock armouring and regrading of the riverbed in Copper Valley Vue.
- Permit to Pump No. 148 was issued on 18/09/25 to facilitate the dewatering of the cofferdam for the gabion baskets at Hazelwood Shopping Centre Bridge.
- E-fishing was undertaken by Triturus Environmental Ltd on the 18/09/25 at Hazelwood Shopping Centre Bridge to facilitate the dewatering of the cofferdam for the gabion baskets.
- Permit to Clear Vegetation No. 37 (GFRS-PTCV-037) was issued on 19/09/25 to facilitate the installation of rock armouring at Cois na Gleann.
- Vegetation clearance commenced at Cois na Gleann on the 19/09/25.
- Instream works to facilitate the installation of the headwall for the stormwater outfall in Area 4: The Grove commenced on 19/09/25. Recovered gravels were monitored and fish salvage works returned 1 no. stickleback to the channel.
- Environmental Tour 035 took place on 19/09/25 - main findings related to soil erosion prevention, reinstatement of the riverbed at Hazelwood, treatment of knotweed and future works.
- Coir mesh was installed over the access track reinforcement for the overflow culvert at the Credit Union on 22/09/25 to prevent soil erosion.
- Installation of rock armouring across the channel upstream of Hazelwood Bridge “from the wet” commenced on 22/09/2025. Recovered gravels were monitored and fish salvage works returned 3 no. Adult European eels to the channel.

- Monitoring of the pumping arrangement at Brooklodge Culvert continued under Permit to Pump No. 143 issued on 14/08/2025 for the overpumping of the Glenmore River to facilitate the completion of RC Walls, rock armouring and step pools for fish passage. Monitoring included checks on the 3 no. upstream fish guards to ensure fish could not gain entry to pumping system. The fish guards have to be regularly cleaned to remove fallen leaves to avoid blockage and subsequent damage from high velocity flows
- Further to the Environmental Incident which took place on 27/03/2025 at Sallybrook Stream, monitoring of the hydrocarbon control measures is being undertaken daily by SCE's Environmental Unit. This involves daily visual checks and adjustment and/or replacement of hydrocarbon absorbent booms, absorbent pads and the deployment of Bioversal RC to minimise the release of hydrocarbons into the Glashaboy River, where required. Under instruction from the Site Ecologist members of SCEs Environmental Unit regularly walk the Glashaboy River instream as far as the weir below Grandons deploying Bioversal RC to the rock armouring and any visible film of hydrocarbons, where required.

Week Commencing 21st September

Comments/Observations

- Monitoring of the silt control measures set up at the designated infiltration area (in Circus Field) to accommodate the dewatering of the cofferdam for the tie-in to Hazelwood Bridge continued under Permit to Pump No. 147.
- An advanced survey to design localised tie-ins for Otter ledges for the bridge culverts was undertaken in conjunction with the ERs ECOW on 23/09/25. During this survey Otter tracks were recorded underneath Copper Valley Vue culvert.
- Installation of Otter ledges commenced and included an adjustment to the gabion baskets and a minor alteration to the rock armouring downstream of New Line culvert.
- Alterations were made to the two *in situ* transverse alignments of anchor boulders in the Glenmore River at New Line in order to create the characteristic alternating step pool features. These works involved the use of cutting equipment to create a step in both rows of anchor boulders to create a low flow path and a low flow resting pool (deep scour pool) for fish. A third row of anchor boulders with a step was also installed on 23/09/25.
- 4 no. Old Red Sandstone flagstones were installed on the Cois na Gleann Stream to improve the habitat for Dippers on 24/09/25.
- Japanese knotweed & Bohemian knotweed surveys and chemical treatment commenced on 25/09/25.
- Rock armouring at Hazelwood was “seeded” with river gravels (from the eastern abutment of Hazelwood Shopping Centre Bridge) on 27/09/25.
- Further to the Environmental Incident which took place on 27/03/2025 at Sallybrook Stream, monitoring of the hydrocarbon control measures is being undertaken daily by SCE's Environmental Unit. This involves daily visual checks and adjustment and/or replacement of hydrocarbon absorbent booms, absorbent pads and the deployment of Bioversal RC to minimise the release of hydrocarbons into the Glashaboy River, where required. Under instruction from the Site Ecologist members of SCEs Environmental Unit regularly walk the Glashaboy River instream as far as the weir below Grandons deploying Bioversal RC to the rock armouring and any visible film of hydrocarbons, where required.

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

- Monitoring of the silt control measures set up at the designated infiltration area (in Circus Field) to accommodate the dewatering of the cofferdam for the tie-in to Hazelwood Bridge continued under Permit to Pump No. 147.
- Permit to Clear Vegetation No. 38 (GFRS-PTCV-038) was issued on 29/09/25 to facilitate the removal of fallen trees and deadwood material instream on the Glenmore River at Brooklodge Culvert.
- Installation of Otter ledges continued.
- Removal of fallen trees and deadwood material took place at Brooklodge Culvert on 29/09/25.
- Instream works to facilitate the installation of a cofferdam for the tie-in to Hazelwood Shopping Centre Bridge commenced on 29/09/25. A silt curtain was installed around the works area prior to the removal of rock armouring to prevent fish entering the works area.
- Japanese knotweed & Bohemian knotweed surveys and chemical treatment continued.
- Further to the Environmental Incident which took place on 27/03/2025 at Sallybrook Stream, monitoring of the hydrocarbon control measures is being undertaken daily by SCE's Environmental Unit. This involves daily visual checks and adjustment and/or replacement of hydrocarbon absorbent booms, absorbent pads and the deployment of Bioversal RC to minimise the release of hydrocarbons into the Glashaboy River, where required. Under instruction from the Site Ecologist members of SCEs Environmental Unit regularly walk the Glashaboy River instream as far as the weir below Grandons deploying Bioversal RC to the rock armouring and any visible film of hydrocarbons, where required.

Environmental Licenses 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(7)	Reg 49 58/2024	Japanese knotweed, Himalayan balsam	06/09/2024	30/06/2025	Expired
	Reg49(7)	Reg 49 58/2024 Extended	Japanese knotweed, Himalayan balsam, American skunk cabbage, Spanish bluebell	30/06/2025	31/12/2025	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
	Section 23(6)b Photograph/Film	Reg 024/2025	Trail cameras for Otter	03/03/2025	31/12/2025	Active
E-Fishing	Section 14 – Cois na Gleann		Cois na Gleann Stream	01/07/2024	30/07/2024	Expired
	Section 14 – All works areas		Glashaboy & Glenmore River	01/07/2024	30/09/2024	Expired
	Section 14 – All works areas	S14.2025.34	Glashaboy & Glenmore River	01/07/2025	30/09/2025	Expired

October 2025 Look Ahead	
Area	Activity/Sensitive Receptor
All Areas	N/A
New Line	Completion of Otter ledge.
Copper Valley Vue & Brooklodge	Completion of Otter ledge. Adjustment to the Step Pool Arrangement at Brooklodge.
Sallybrook	Monitoring of Sallybrook Stream outlet to the Glashaboy River is ongoing in light of accidental release of hydrocarbons.
Grandons	-
Meadowbrook	-
Springmount	-
Circus Field	Construction of onsite burial cell for IAPS.
Hazelwood Bridge	Instream works to continue. Installation of Otter ledge.
Hazelwood Shopping Centre Bridge	Instream works to continue. Completion of Otter ledge.
The Grove	-

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

Photograph 1



Photograph 2



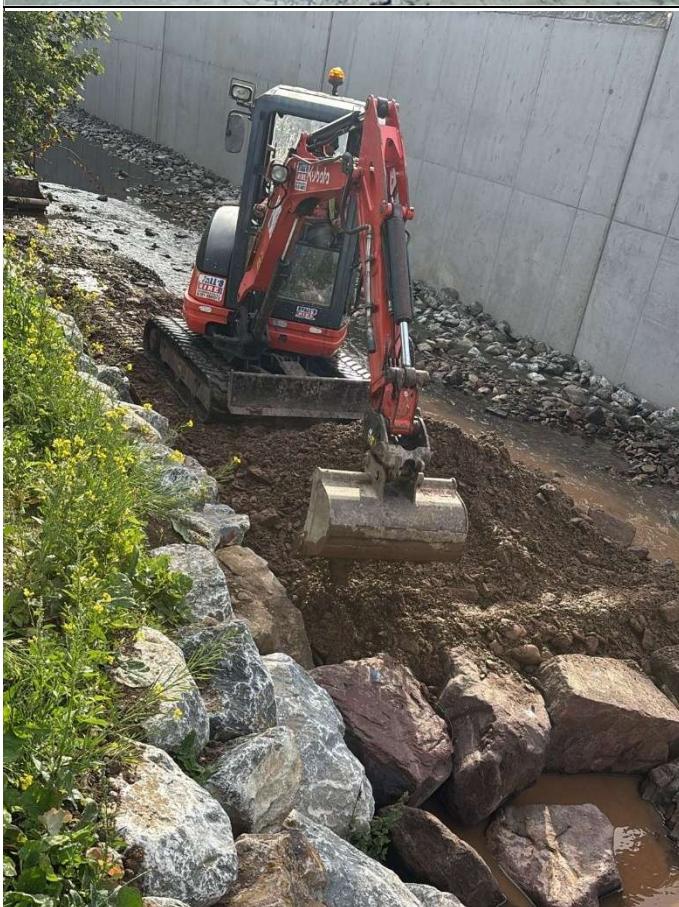
Caption 1

Hazelwood

Installation of coir mesh at Hazelwood and Copper Valley Vue to prevent soil erosion post installation of access track reinforcement (geocell) and erosion matting

Caption 2

Copper Valley Vue

Photograph 3**Photograph 4****Caption 3 New Line**

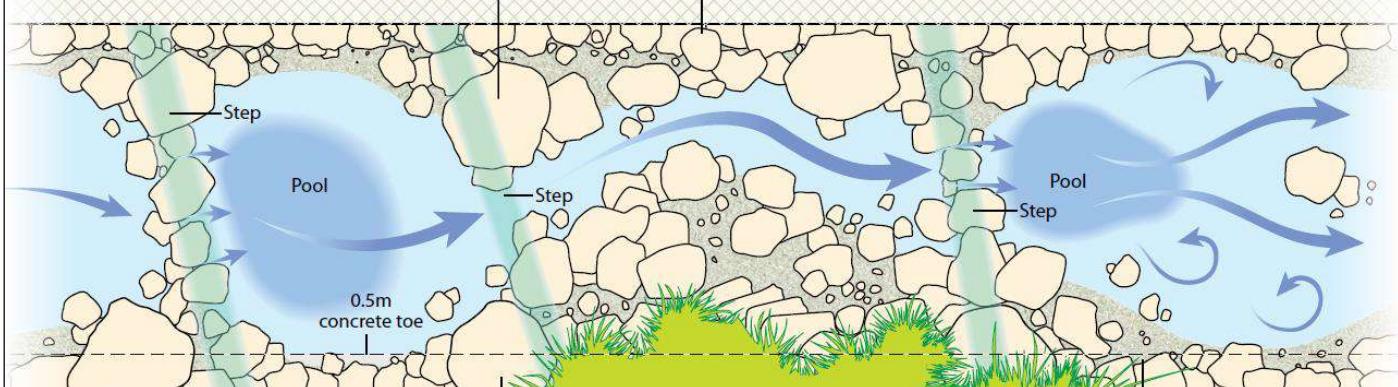
Additional river gravels, removed from the cofferdam of the eastern abutment of Hazelwood Shopping Centre Bridge, were added to the Step Pool Arrangement at New Line

Caption 4 New Line

Photograph 5



Photograph 6



Plan of Proposed Typical Step Pool Arrangement (for Brooklodge)

(Source: Glashaboy River (Glanmire/Sallybrook) Drainage Scheme EIAR Addendum - Request for Further Information October 2020.

Caption 5 **New Line**

Alterations were also made to the two *in situ* transverse alignments of anchor boulders in order to create the characteristic alternating step pool features (as per the above figure). These works involved the use of cutting equipment to create a step in both rows of anchor boulders to create a low flow path and a low flow resting pool (deep scour pool) for fish. A third row of anchor boulders with a step was also installed

Caption 6

New Line

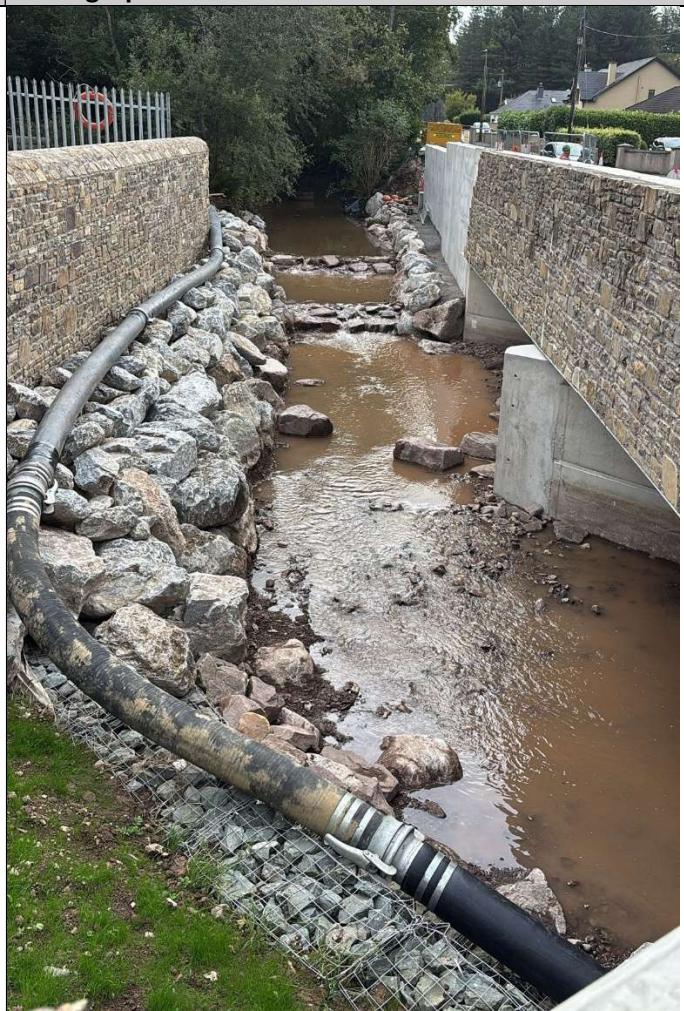
Photograph 7



Caption 7

Brooklodge

Photograph 8



Caption 8

Brooklodge

Installation of Step Pool Arrangement for fish passage at Brooklodge

Photograph 9



Caption 9

Hazelwood

Photograph 10



Caption 10

Hazelwood

Deployment of hydrocarbon control measures at Hazelwood to address a localised hydrocarbon sheen

Photograph 11



Caption 11

Brooklodge

Photograph 12



Caption 12

Brooklodge

Cleaning of leaves from the fish guards at sump for overpumping of Glenmore River

Photograph 13



Caption 13

Hazelwood

Photograph 14



Caption 14

Hazelwood

Installation of rock armouring at Hazelwood Bridge

Photograph 15	Photograph 16
	
	
Caption 15 Cois na Gleann	Caption 16 Cois na Gleann

Installation of rock armouring at Cois na Gleann Stream. 4 no. Old Red Sandstone flagstones were also installed to improve the habitat for Dippers

Photograph 17	Photograph 18
	
Caption 17 The Grove	Caption 18 Riverstown
Installation of headwall for stormwater outfall and rock armouring in Area 4	Installation of erosion matting on banks of the Glashaboy River at Riverstown Bridge

Photograph 19



Photograph 20



Caption 19

Sallybrook

Japanese knotweed & Bohemian knotweed surveys and treatment

Photograph 21



Photograph 22



Caption 21



Caption 22

Advanced survey to design localised tie-ins for Otter ledges. Otter prints observed beneath Copper Valley Vue Culvert during the survey

Photograph 23



Photograph 24



Caption 23

Brooklodge

Removal of fallen trees and dead wood material from Glenmore River

Caption 24

Brooklodge