

CLONASLEE FLOOD RELIEF SCHEME





Appendix 9.4: Crayfish Survey Results 2023



MDW0867
S5 P01
19 May 2025





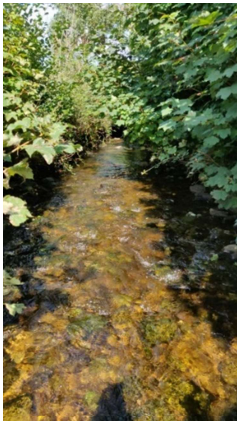
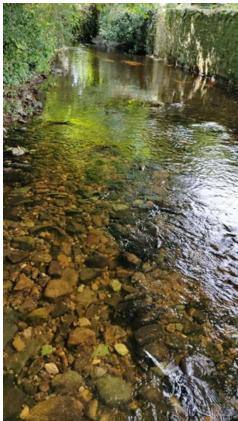
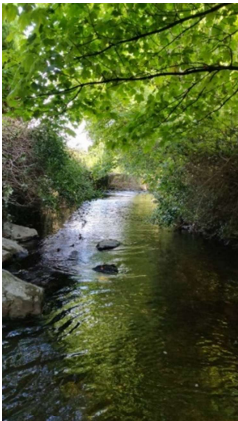











ApX Figure 1: Drawing showing the location of crayfish survey reaches for surveys undertaken in 2023.




Apx Table 1: Crayfish Survey Results (2023)

Reach (100m)	Habitat suitability	Comments	Pictures
CLOUS1	Excellent	<p>Mesohabitat: Pool/riffle/glide</p> <p>Substrate: Not silted, coarse substrate (cobble and coarse gravel), with boulders.</p> <p>Shading: Heavy shading in places.</p> <p>Comments: Salmonid parr in pools upstream of bridge. Adult trout caught in kick net. Stone loach seen.</p> <p>No crayfish found.</p>	 
CLO2US	Excellent	<p>Mesohabitats: Placed boulders creating deep pools. Artificial weir present. Riffle/glide/pool sequences.</p> <p>Substrate: Boulder, cobble and gravel</p> <p>No crayfish found.</p>	  

Reach (100m)	Habitat suitability	Comments	Pictures
CLOUS3	Excellent	<p>Mesohabitats: Riffle/glide/pool habitat. Instream boulders and small weir. Submerged roots and bank reinforcement.</p> <p>Substrate: Boulders and cobble dominant.</p> <p>No crayfish found.</p>	
CLOUS4	Excellent	<p>Mesohabitats: Pool/riffle/glide habitat. Boulders and bridge footing instream creating plunge pools. Some bank undercutting.</p> <p>Substrate: Areas with coarse substrate, lots of boulders. Upstream of weir more gravel present however boulders present in glide habitat.</p> <p>Shading: Moderate to heavy.</p> <p>No crayfish found.</p>	
CLOUS5	Excellent	<p>Mesohabitats: Left bank undercut in places, exposed tree roots on left bank. Riffle/pool/glide habitat.</p> <p>Substrate: Boulders and clusters of boulders throughout. Gravel/cobble.</p> <p>Shading: Very shaded.</p>	

Reach (100m)	Habitat suitability	Comments	Pictures
		No crayfish found.	
CLODS1	Very Good	<p>Mesohabitats: Riffle and glide</p> <p>Substrate: Cobble dominant immediately downstream of the bridge. More boulders present further downstream.</p> <p>Shading: Moderate</p> <p>Comments: Reinforcement on the left bank, channel very straight.</p> <p>No crayfish found.</p>	  
CLODS2	Excellent	<p>Mesohabitats: Riffle/pool/glide. Large pool adjacent to stone wall on left bank. Lots of boulders and crevices.</p> <p>Substrate: Boulder/cobble/gravel.</p> <p>Shading: Heavy</p> <p>No crayfish found.</p>	  

Reach (100m)	Habitat suitability	Comments	Pictures		
CLODS3	Excellent	<p>Mesohabitats: Pool/riffle/glide, areas of deep water with submerged tree roots.</p> <p>Substrate: Clean gravelly riffles with cobbles and boulders throughout.</p> <p>Comment: Around boulder adjacent to the wall parr observed.</p> <p>No crayfish found.</p>			
CLODS4	Excellent habitat	<p>Mesohabitat: Glide and pool.</p> <p>Substrate: no siltation, boulders present. Cobble/gravel dominant.</p> <p>Comments: Japanese knotweed within reach.</p> <p>No crayfish found.</p>			
CLODS5	Excellent habitat	<p>Mesohabitat: Pool and glide. Deep pool and undercut banks.</p> <p>Substrate: Boulders, cobble, gravel clean substrate</p> <p>No crayfish found.</p>			

Reach (100m)	Habitat suitability	Comments	Pictures
CLODS6	Good	<p>Mesohabitat: Pool/riffle/glide, instream debris accumulations.</p> <p>Substrate: Boulder/cobble/gravel l.</p> <p>Shading: Heavy</p> <p>Comment: Culvert headwall on left bank.</p> <p>No crayfish found.</p>	
CLODS7	Excellent	<p>Mesohabitat: Riffle/glide/pool habitat, instream woody debris and tree roots, overhanging vegetation, undercut banks.</p> <p>Substrate: Fine gravel, silt, sand, cobbles and boulders</p> <p>Shading: Heavy</p> <p>Comment: Evidence of channel modifications (wire mesh on substrate)</p> <p>No crayfish found.</p>	
CLODS8	Excellent	<p>Mesohabitat: Riffle/glide/pool. Overhanging vegetation. Exposed roots and undercut banks.</p> <p>Substrate: Cobble dominant with boulders and some silty substrate.</p> <p>Shading: Moderate</p> <p>No crayfish found.</p>	

Reach (100m)	Habitat suitability	Comments	Pictures
			