



Melgarve Cluster Project

Appendix 10.3: Schedule of Watercourse Crossings

ASH design+assessment

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Basis of Report

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1.0 Introduction

This Technical Appendix contains information relating to the proposed permanent and temporary watercourse crossings required to facilitate the Proposed Development.

This report presents photographs and dimensions for each proposed new crossing point. The final design of each crossing solution would be agreed with Scottish Environment Protection Agency (SEPA) prior to construction and be determined as part of the detailed site design.

The survey of the proposed watercourse crossings was undertaken in November 2023 and February 2024 by experienced SLR hydrologists.

The location of the watercourse crossings is shown in **Figure 10.1** of the EIA Report.

1.1 Relevant Legislation

The Water Framework Directive (2000/60/EC) (WFD) has been transposed into Scottish legislation as the Water Environment and Water Services (Scotland) Act 2003 1 (or WEWS) and has given Scottish ministers powers to introduce regulatory controls over activities in order to protect and improve Scotland's water environment. The water environment includes wetlands, rivers, lochs, transitional waters (estuaries), coastal waters and groundwater. These regulatory controls, known as the Water Environment (Controlled Activities) (Scotland) Regulations 2011² (CAR) came into force in 2011 and have since been amended in 2013, 2017, and 2021.

With respect to watercourse crossings, CAR requires that all engineering works in inland surface waters and wetlands are subject to authorisation and allow for proportionate risk-based regulation which is outlined in the CAR Practical Guide³. SEPA provide authorisation for watercourse crossings shown on the 1:50,000 scale Ordnance Survey (OS) maps (Landranger Series). All other watercourses are classed as "minor watercourse" and are exempt under CAR.

The design, construction and/or improvements to the crossings would be agreed with SEPA prior to any construction works commencing in accordance with CAR as part of the detailed development design.

¹ Water Environment and Water Services (Scotland) Act 2003, available at https://www.legislation.gov.uk/asp/2003/3/contents [Accessed January 2024]

³ SEPA (December 2022) The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (as amended), A Practical Guide, available at https://www.sepa.org.uk/media/34761/car_a_practical_guide.pdf [Accessed January 2024]



² Water Environment (Controlled Activities) (Scotland) Regulations 2011, available at https://www.legislation.gov.uk/ssi/2011/209/contents/made [Accessed January 2024]

2.0 Watercourse Crossing Details

Watercourse Crossing ID	WX01
Watercourse Crossing Details	NGR: NH 50115 05808 Status: New Temporary Track Crossing and New Permanent Crossing associated with proposed UGC. Watercourse Width: 2m Watercourse Depth: 0.1m Notes: Surveyed during winter months so water depth may be an underestimate. Incised in peat within a channel approximately 0.5m deep.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX02
Watercourse Crossing	NGR: NH 49270 05065
Details	Status : New Permanent Crossing associated with proposed UGC.
	Watercourse Width: 10m
	Watercourse Depth: 0.6m
	Notes: Approximately 15m downstream of an existing crossing
	which is 1.5m diameter plastic culvert.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX03
Watercourse Crossing Details	NGR: NH 48511 04012 Status: New Permanent Crossing associated with proposed UGC. Watercourse Width: 2m Watercourse Depth: 0.3m Notes: Approximately 20m downstream of an existing crossing.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX04
Watercourse Crossing Details	NGR: NH 47459 02142 Status: New Temporary Track Crossing and New Permanent Crossing associated with proposed UGC. Watercourse Width: 4m Watercourse Depth: 2m Notes: Surveyed approximately 15m downstream of the crossing point. Incised in peat.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX05
Watercourse Crossing Details	NGR: NH 48009 01596 Status: New Temporary Track Crossing and New Permanent Crossing associated with proposed UGC. Watercourse Width: 8m Watercourse Depth: 1.5m Notes: Surveyed approximately 20m upstream of the crossing point. Incised in peat.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX06 to WX09
Watercourse Crossing Details	NGR: NH 48435 01529 Status: New Temporary Track Crossing, New Permanent Track Crossing and Two New Permanent Crossings associated with proposed UGC. Watercourse Width: 2.5m Watercourse Depth: 0.3m Notes: Incised in peat. Peat hags noted within channel.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX10
Watercourse Crossing Details	NGR: NH 48685 01288 Status: New Permanent Track Crossing Watercourse Width: 0.5m Watercourse Depth: 0.2m Notes: Minor watercourse incised in peat and peaty soils.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX11
Watercourse Crossing Details	NGR: NH 48953 01018 Status: New Permanent Track Crossing Watercourse Width: 1.5m Watercourse Depth: 0.3m Notes: Boulders and cobbles noted within the channel bed.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX12
Watercourse Crossing Details	NGR: NH 49118 00857 Status: New Permanent Track Crossing Watercourse Width: 4m Watercourse Depth: 1.2m Notes: Watercourse incised in peat with large boulders noted within the channel.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX13
Watercourse Crossing	NGR: NN 50147 99827
Details	Status: New Temporary Track Crossing
	Watercourse Width: 2m
	Watercourse Depth: 0.2m
	Notes : Incised in bedrock with cobbles and boulders noted within the channel.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX14
Watercourse Crossing Details	NGR: NN 50580 98856
	Status: New Permanent Track Crossing
	Watercourse Width: 5 to 6m
	Watercourse Depth: 0.2m
	Notes: Rock bed.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX15
Watercourse Crossing Details	NGR: NN 51130 98064
	Status: New Temporary Track Crossing
	Watercourse Width: 1m
	Watercourse Depth: 0.2m
	Notes: Minor watercourses with reeds and peaty soils.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX16
Watercourse Crossing Details	NGR: NN 51124 97543
	Status: New Temporary Track Crossing
	Watercourse Width: 0.6m
	Watercourse Depth: 0.2m
	Notes: Minor watercourse with reeds and peaty soils.
Photograph Looking Upstream	
Photograph Looking Downstream	



Watercourse Crossing ID	WX17
Watercourse Crossing Details	NGR: NN 51119 97337 Status: New Permanent Track Crossing Watercourse Width: N/A Watercourse Depth: N/A Notes: No visible watercourse noted during survey. Wider channel is between 1.5 to 2m wide and 0.3m high with peaty soils and reeds.
Photograph Looking Upstream	
Photograph Looking Downstream	



