

Appendix 10.5 Watercourse Crossing Inventory

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ID	Watercourse	Location	NGR	Type of Crossing	Description
1	South Burn of Vigon Tributary	New track between T1 and T2	448541 1203215	Single Span or open arch culvert	<p>Small to moderate watercourse in a moderately deep incised valley.</p> <p>0.3m wide and 0.4m deep incised channel. Water depth 0.5 to 0.45m.</p> <p>Low flow, evidence can be flashy and have moderate flow in heavy rainfall events</p> <p>Valley: deep incised, approx. 3 to 6m wide at top and approx. 1.5 to 2.0m high. Shallow upstream.</p> <p>Flood Plain: not shown on SEPA map, too small catchment. Minor one observed, contained in valley.</p> <p>Substrate bedrock, gravel and peat.</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
2	Burn of Midge Glen	New track T2 to T7	448235 1202780	Single Span or open arch culvert	<p>Moderate watercourse in a moderate to large incised valley.</p> <p>0.6m wide and 0.3m deep incised channel. Water depth 0.3m.</p> <p>Low to moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events</p> <p>Valley: deep incised, approx. 15 to 20m wide at top, narrow where bedrock buttresses and approx. 3m to 6m high. Less pronounced valley upstream</p> <p>Flood Plain: not shown on SEPA map, too small catchment</p> <p>Substrate bedrock, gravel and peat</p>



ID	Watercourse	Location	NGR	Type of Crossing	Description
3	Burn of Riggadale	New track T3 to T5	449443 1203103	Open arch culvert	<p>Small watercourse in peat and vegetation substrate, incised into peat as part of wider glacial valley</p> <p>1.2m wide and 1.1m deep incised channel into peat. Water depth 0.1m to 0.4m.</p> <p>Low to moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events</p> <p>Valley: part of large wider more rounded valley.</p> <p>Flood Plain: not shown on SEPA map, too small catchment, contained in peat gully</p> <p>Substrate bedrock, gravel, peat and vegetation</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
4	Un-named tributary of Burn of Amframires	New track T6 to T9	449628 1202129	Series of culverts	<p>Small wide watercourse in peat and vegetation substrate, formed peat hag to south west.</p> <p>Over surface and diffuse flow within vegetation</p> <p>0.1 to 2.6m wide and 0.3m to 0.6m immediate channel depth, slightly incised into peat. Water depth 0.05 to 0.1m.</p> <p>Peat gully to watercourse</p> <p>Low to moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events</p> <p>Flood Plain: Not shown on SEPA map, too small catchment</p> <p>Substrate: peat and vegetation</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
5	Burn of Amframires	New track T9 to T8 junction	449572 1201656	Single Span or open arch culvert	<p>Moderate watercourse in wide valley with a wide flood plain. Channel shallow, gravel and cobble substrate.</p> <p>Small watercourse in peat and vegetation substrate, shallow incised into peat as part of wider glacial valley 0.6m to 1.2m wide and 0.3m to 0.4m shallow incised channel into peat. Water depth 0.15m to 0.4m.</p> <p>Low to moderate flow</p> <p>Valley: part of large wider relatively flat</p> <p>Flood Plain: not shown on SEPA map, too small catchment.</p> <p>Substrate: Gravel, cobbles and peat</p>



ID	Watercourse	Location	NGR	Type of Crossing	Description
6	Un-named tributary of Burn of Amframires from the Fugla Water	New track T9 junction to T8	449294 1201567	Open arch culvert dug out or single span	<p>Small watercourse in peat and vegetation substrate, some evidence of sub-terrain flow – two sinkholes downstream.</p> <p>Over peat flow upstream and below peat flow downstream, underground channel at crossing point.</p> <p>0.4m to 0.7m wide and 0.05m on top of peat to 0.8m deep incised channel into/under peat. Water depth 0.05m to 0.15m.</p> <p>Low to moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events</p> <p>Valley: small valley, depression in peat or no significant valley.</p> <p>Flood Plain: not shown on SEPA map, too small catchment.</p> <p>Substrate: vegetation and peat upstream, vegetation, peat and gravels downstream/ Underground.</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
7	Un-named tributary of Burn of Gossa Water	New track T13 to T12/T14 junction	449545 1200794	Open arch culvert or culvert	<p>Small watercourse in peat substrate, narrow channel, some pooling and some wiser diffuse flow. Mostly over vegetation flow.</p> <p>0.3m to 2.1m wide and 0.15m depression on peatland vegetation. Water depth 0.1m to 0.4m.</p> <p>Low to diffuse flow, evidence can be flashy and have moderate flow in heavy rainfall events</p> <p>Valley: Relatively flat, upper slope headwaters in slight depression.</p> <p>Flood Plain: not shown on SEPA map, too small catchment.</p> <p>Substrate: Vegetation, peat.</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
8	River Burn	New track T16 to T19	450532 1200131	Single span or open arch culvert	<p>Large watercourse, moderate valley, wide watercourse with cobble and gravel substrate. Lower reaches of the River Burn.</p> <p>1.2 to 1.9m wide and 0.1 to 0.5m deep for water channel, wider flood channel 1.9m to 7.5m wide. Water depth 0.1m to 0.4m, evidence that it can be over 0.6m deep in spate.</p> <p>Moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events</p> <p>Valley: part of large wider more rounded valley.</p> <p>Flood Plain: not shown on SEPA map, too small catchment. Wider flood plain observed</p> <p>Substrate: Cobble and gravel. Suitable for spawning fish.</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
9	River Burn	New track T13 to T17/T18 junction	450245 1200792	Single span or open arch culvert	<p>Large watercourse, moderately incised deep valley, wide watercourse with cobble and gravel substrate</p> <p>Middle section of the River Burn</p> <p>0.7m to 1.4m wide and 0.6m deep incised channel into glaciofluvial gravels. Water depth 0.1m to 0.3m.</p> <p>Moderate flow, evidence can be flashy and have high flow in heavy rainfall events.</p> <p>Valley: in deep rounded valley with steep sides. Valley approx. 5m high and 10m wide.</p> <p>Flood Plain: not shown on SEPA map, too small catchment. Wider flood plain observed, contained in valley.</p> <p>Substrate: gravel and cobbles.</p> <p>Suitable for fish spawning.</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
10	Burn of Kedillsmires	New track T22 junction to T23	450998 1200982	Single Span or open arch culvert	<p>Moderate watercourse. Flatter up gradient. Wide channel in peat. Bare peat and hag on valley sides.</p> <p>Moderate watercourse in peat and vegetation substrate with gravel on the base, incised into peat as part of wider glacial valley</p> <p>0.8 to 2.2m wide and 1.2m deep incised channel into peat. Water depth 0.1m to 0.4m.</p> <p>Low to moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events by peat erosion.</p> <p>Valley: part of large wider more relatively flat valley. Just entering valley.</p> <p>Flood Plain: Flood Plain: not shown on SEPA map, too small catchment.</p> <p>Substrate Gravel and peat</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
11	Burn of Gilpapund	New track T25 to T26	451812 1201756	Single Span or open arch culvert	<p>Wide deep channel in peat substrate. Very flashy.</p> <p>Small watercourse in peat and vegetation substrate, incised deep into peat. Actively eroding.</p> <p>0.4m wide (over 2m wide in spate) and 1.1m deep incised channel into peat. Water depth 0.1m to 0.3m (0.5m in spate).</p> <p>Low to moderate flow, evidence can be very flashy and have fast flow in heavy rainfall events. Relatively large sub-catchment from the higher eastern section of the site and beyond.</p> <p>Flood Plain: not shown on SEPA map, too small catchment.</p> <p>Substrate: peat, vegetation, gravel base in places.</p>
					

ID	Watercourse	Location	NGR	Type of Crossing	Description
12	Un-named tributary of Burn of Gilpapund	New track T26 to T27	451592 1202105	Single Span or open arch culvert	<p>Wide shallow upland watercourse, vegetation substrate. Flashy.</p> <p>0.3m to 2.0m wide and 0.35m deep incised channel into peat and vegetation. Water depth 0.05m to 0.4m.</p> <p>Low to moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events.</p> <p>Valley: wide depression within peat and vegetation, 2m to 6m wide.</p> <p>Flood Plain: not shown on SEPA map, too small catchment. Contained in depression</p> <p>Substrate: vegetation peat</p>



ID	Watercourse	Location	NGR	Type of Crossing	Description
13	Un-named tributary of Burn of Gilpapund	New track T26 to T27	451561 1202110	Single Span or open arch culvert	<p>Wide shallow upland watercourse, vegetation substrate. Flashy.</p> <p>0.2m to 0.6m wide and 0.45m deep incised channel into peat and vegetation. Water depth 0.05m to 0.3m.</p> <p>Low to moderate flow, evidence can be flashy and have moderate flow in heavy rainfall events.</p> <p>Valley: wide depression within peat and vegetation, 2m to 4.5m wide.</p> <p>Peat hag on edges.</p> <p>Flood Plain: not shown on SEPA map, too small catchment. Contained in depression</p> <p>Substrate: vegetation, peat.</p>



ID	Watercourse	Location	NGR	Type of Crossing	Description
14	Burn of Hilidgill	New track T28 to T29	450886 1202982	Single span, large scale, keeping relatively with	<p>Deep incised valley, rock and gravel substrate</p> <p>0.4m to 1.6m wide and 0.3m deep incised channel. Water depth 0.10 to 0.45m.</p> <p>Moderate flow, can be flashy and have significant flow in heavy rainfall events.</p> <p>Valley: deep incised, approx. 30m wide and approx. 15 to 18m high on southside and 10m on northside.</p> <p>Flood Plain: not shown on SEPA map, too small catchment. Contained in valley.</p> <p>Substrate: Bedrock, waterfall downgradient.</p>
 <p>Crossing Location channel facing downgradient</p>		 <p>Crossing valley side top facing downgradient</p>		 <p>Upgradient of crossing location</p>	

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