




Volume 10: Appendices (Onshore)

**Appendix 23.9**  
**Water Quality Fisheries  
Assessment at  
Watercourse Crossings**

## Appendix 23.9 Water quality and fisheries assessment

Table 1 - Water quality and fisheries assessment for each water crossing within the onshore development area

Water Crossing	Stream Name / WFD Name (RWB code)	Approx. Lat, Long	IFI WFD Fish Monitoring <sup>1</sup> Status & Assemblage	Q-value Status (2016-2021)	WFD Risk Score	Salmonid Suitability	Photograph
1	Bremore Stream / Matt_010 (IE_EA_08M010900)	53.61514, -6.19107	Not monitored	Not assessed / Poor	At risk	No stream visible. Possibly culverted	
2	Bracken (Matt) River B / Matt_010 (IE_EA_08M010900)	53.60364, -6.18646	Not monitored	Not assessed / Poor	At risk	Yes, substrate available and good flows.	
3	Knock Stream / Matt_010 (IE_EA_08M010900)	53.58334, -6.19539	Not monitored	Not assessed / Poor	At risk	No, choked with vegetation. No passage.	

<sup>1</sup> Water Framework Directive: Fish Ecological Status Map Viewer. Available at: [Water Framework Directive Fish Ecological Status 2008-2021 | Water Framework Directive Fish Ecological Status 2008-2021 | Inland Fisheries Ireland Data Hub \(arcgis.com\)](#) (Accessed December 2022)





4	<b>Balrothery Stream / Matt_010 (IE_EA_08M010900)</b>	53.57752, -6.20143	Not monitored	Not assessed / Poor	At risk	No, subterranean flow and no substrate	
5	<b>Balrickard Stream / Matt_010 (IE_EA_08M010900)</b>	53.56375, -6.20998	Not monitored	Not assessed / Poor	At risk	No passage	
6	<b>Rowans Big Stream</b>	53.56249, -6.209828	Not monitored	Not assessed / Poor	At risk	Not viable	-
7	<b>Rowans Little Stream</b>	53.56121, -6.210099	Not monitored	Not assessed / Poor	At risk	Not viable	-
8	<b>Courtough Stream / Ballough Stream_010 (IE_EA_08B031500)</b>	53.54808, -6.20729	Not monitored	Moderate (downstream)	At risk	No water present	




9	<b>Obserstown Stream / Ballough Stream_010 (IE_EA_08B031500)</b>	53.53922, -6.20030	Not monitored	Moderate (downstream)	At risk	Yes, substrate available and suitable flow	
10	<b>Aldruman Stream / Ballough Stream_010 (IE_EA_08B031500)</b>	53.53695, -6.19849	Not monitored	Moderate (downstream)	At risk	No flow	
11	<b>Ballough Stream / Ballough Stream_020 (IE_EA_08B031600)</b>	53.50901, -6.19605	Not monitored	Moderate (downstream)	At risk	Yes, close proximity to estuary	
12	<b>Deanestown Stream / Ballyboghil_010 (IE_EA_08B012200)</b>	53.49933, -6.19425	Not monitored	Poor	At risk	Yes. No visual on substrate, but appears to have potential suitability	





13	<b>Ballyboghil Stream / Ballyboghil_010 (IE_EA_08B012200)</b>	53.49876, -6.19433	Not monitored	Poor (upstream)	At risk	Yes, due to proximity to estuary	
14	<b>Turvey Stream / Turvey_010<sup>2</sup> (IE_EA_08T020700)</b>	53.4944, -6.19517	Not monitored	Poor (upstream)	At risk	No available substrate, no flow and choked with vegetation	
15	<b>Staffordstown Stream / Turvey_010 (IE_EA_08T020700)</b>	53.47575, -6.20782	Not monitored	Poor	At risk	No, very low flow	
16	<b>Broadmeadow River / Broadmeadow_040 (IE_EA_08B020800)</b>	53.47097, -6.21177	In monitoring year 2017, the status upstream was Poor. Fish recorded were: <ul style="list-style-type: none"> <li>• Minnow</li> <li>• Stone loach</li> <li>• European eel</li> </ul> Brown trout (≥1+,0+)	Moderate (upstream)	At risk	Yes, suitable substrate and flows – high potential	

<sup>2</sup> Catchments.ie – Turvey\_010. Available at: [https://www.catchments.ie/data/#/waterbody/IE\\_EA\\_08T020700?k=ffgv2s](https://www.catchments.ie/data/#/waterbody/IE_EA_08T020700?k=ffgv2s) (Accessed December 2022)

17	<b>Ward River / Ward_040 (IE_EA_08W010610)</b>	53.47021, -6.21257	In monitoring year 2017, the status upstream was Good to Moderate. Fish recorded were: <ul style="list-style-type: none"> <li>• Minnow</li> <li>• Brown trout (≥1+,0+)</li> </ul> Sea-trout	Moderate (upstream)	At risk	Yes, suitable substrate and flows – high potential	
18	<b>Seapoint Stream / Gaybrook_010 (IE_EA_08G080700)</b>	53.46388, -6.202588	Not monitored	Poor	At risk	-	-
19	<b>Greenfields Stream / Gaybrook_010 (IE_EA_08G080700)</b>	53.46322, -6.19996	Not monitored	Poor	At risk	No, concrete pipe discharge point	
20	<b>Gaybrook Stream / Gaybrook_010 (IE_EA_08G080700)</b>	53.44824, -6.18000	Not monitored	Poor	Under review	No, subterranean flow	
21	<b>Hazlebrook Stream / Sluice_010 (IE_EA_09S071100)</b>	53.44008, -6.17665	Not monitored	Poor	Under review	No, subterranean flow	

22	<b>Sluice Stream / Sluice_010 (IE_EA_09S071100)</b>	53.42769, -6.17768	In monitoring year 2016, the status downstream was Poor. Fish recorded were: <ul style="list-style-type: none"> <li>• 3-spined stickleback</li> <li>• Brown trout (0+)</li> <li>• European eel</li> </ul> Flounder	Poor	Under review	Yes, good substrate and flows	
23A	<b>Cuckoo Stream / Mayne_010 (IE_EA_09M030500)</b>	53.41197, -6.17983	In monitoring year 2016, the status upstream was Bad. Fish recorded were: <ul style="list-style-type: none"> <li>• European eel</li> <li>• 3-spined stickleback</li> </ul>	Poor (downstream)	At risk	No, substrate mixed but urban	
23B	<b>Cuckoo Stream / Mayne_010 (IE_EA_09M030500)</b>	53.41086, -6.16247	As above	As above	As above	As above	-
23C	<b>Cuckoo Stream / Mayne_010 (IE_EA_09M030500)</b>	53.40968, -6.16112	As above	As above	As above	As above	-
24A	<b>Mayne Stream A / Mayne_010 (IE_EA_09M030500)</b>	53.40701, -6.17787	In monitoring year 2016, the status downstream was Poor to Bad. Fish recorded were: <ul style="list-style-type: none"> <li>• European eel</li> </ul>	Poor (downstream)	At risk	No potential, but substrate mixed	



24B	Mayne Stream A / Mayne_010 (IE_EA_09M030500)	53.40918, -6.16359	As above	As above	As above	Yes, good substrate available however other areas have fine sediments	
24C	Mayne Stream A / Mayne_010 (IE_EA_09M030500)	53.40887, -6.16146	As above	As above	As above	Yes, good substrate available however other areas have fine sediments	
25	Mayne Stream B / Mayne_010 (IE_EA_09M030500)	53.4086, -6.20646	In monitoring year 2016, the status downstream was Poor to Bad. Fish recorded were: • European eel	Poor	At risk	No, substrate loaded with sediment and heavily vegetated	