Environmental Impact Assessment (EIA) Report

LT384 Tealing to Westfield Overhead Line (OHL) 400 kV Upgrade

November 2024

VOLUME 4: Appendix 13.2 – Surface Water Body Classifications

1. RIVER EARN

1.1.1 River Earn is a river (ID: 6800), in the River Earn catchment of the Scotland river basin district. The main stem is approximately 33.2 kilometres in length. The water body has been designated as a heavily modified water body on account of physical alterations that cannot be addressed without a significant impact on the drainage of agricultural land.

1.1.2 Classifications are set out in Table A13.2- 1.

Table A13.2- 1 River Earn Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Good ecological potential	Good ecological potential	Good ecological potential	Good	Moderate	Moderate	Moderate	Moderate
1-1: Pre-HMWB status	Bad	Bad	Bad	Good	Moderate	Moderate	Moderate	Moderate
1-2: Overall chemistry	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1: Priority substances	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-1: Benzo-a-pyrene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-3: Anthracene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-4: Atrazine	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-5: Benzo-(B+K)-Fluoranthene							Pass	Pass
1-2-1-7: Cadmium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
1-2-1-10: Fluoranthene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-11: Hexachlorobenzene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-12: Isoproturon	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-14: Naphthalene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-15: Nickel	Pass	Pass	Pass	Pass	Pass	Pass	Pass	
1-2-1-16: pp-DDT	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-17: Simazine	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-18: Trifluralin	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-23: Endosulfan	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-24: Total HCH	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-25: Diethylhexylphthalate (DEHP)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-2-1-26: Chlorfenvinphos	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-28: Total Drins	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-33: Diuron	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-40: Total DDT	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3: Overall ecology	Bad	Bad	Bad	Good	Moderate	Moderate	Moderate	Moderate
1-3-1: Physico-Chem	Good	Good	Good	Good	High	High	High	High
1-3-1-1: Temperature	Good	Good	Good	Good	High	High	High	High
1-3-1-2: Reactive phosphorus	High	High	High	High	High	High	High	High
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High	High	High
1-3-1-9-1: Acid Neutralising Capacity	High	High	High	High	High	High	High	High
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	Good	Good	Good	Good	Moderate	Moderate	Moderate	Moderate
1-3-2-3: Invertebrate animals	High	High	High	High	High	High	High	High
1-3-2-3-3: Macroinvertebrates (RiCT/WHPT)	High	High	High	High	High	High	High	High
1-3-2-3-3-1: Macroinvertebrates (ASPT)	High	High	High	High	High	High	High	High
1-3-2-3-3-2: Macroinvertebrates (NTAXA)	High	High	High	High	High	High	High	High
1-3-2-4: Alien species	Good	Good	Good	Good	Moderate	Moderate	Moderate	Moderate
1-3-2-5: Fish	High	High	High	High	High	High	High	High
1-3-2-5-2: Fish barrier	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic plants	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-9-2-1: Macrophytes	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-9-2-2: Phytobenthos (diatoms)	Good	Good	Good	Good	Good	Good	Good	Good

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-4: Diazinon	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-5: Linuron	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-6: Permethrin	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-8: Copper	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-9: Zinc	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-12: 2,4-D	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-13: Mecoprop	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-17: Manganese	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-18: Benzyl butyl phthalate	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-4: Hydromorphology	Bad	Bad	Bad	Good	Good	Good	Good	Good
1-3-4-1: Morphology	Bad	Bad	Bad	Good	Good	Good	Good	Good
1-3-4-2: Overall hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1: Modelled hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	High	High	High	High	High
1-3-4-2-1-2: Hydrology (low flows)	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic Plants	Good							
4-1: Water quality	Good	Good	Good	Good	Good	Good	Good	Good

2. RIVER TAY

2.1.1 River Tay (R Isla to R Earn Confluences) is a river (ID: 6498), in the River Tay catchment of the Scotland river basin district. The main stem is approximately 31.5 kilometres in length.

2.1.2 Classifications are set out in Table A13.2- 2.

Table A13.2- 2 River Tay Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good
1-1: Pre-HMWB status	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good
1-2: Overall chemistry	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1: Priority substances	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-1: Benzo-a-pyrene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-3: Anthracene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-4: Atrazine	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-5: Benzo-(B+K)-Fluoranthene							Pass	Pass
1-2-1-7: Cadmium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-10: Fluoranthene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-11: Hexachlorobenzene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-12: Isoproturon	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-14: Naphthalene	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-15: Nickel	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-16: pp-DDT	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-17: Simazine	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-18: Trifluralin	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-23: Endosulfan	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-24: Total HCH	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-25: Diethylhexylphthalate (DEHP)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-26: Chlorfenvinphos	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-2-1-28: Total Drins	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-33: Diuron	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-2-1-40: Total DDT	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3: Overall ecology	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good
1-3-1: Physico-Chem	Good	Good	Good	Good	High	High	High	High
1-3-1-1: Temperature	Good	Good	Good	Good	High	High	High	High
1-3-1-2: Reactive phosphorus	High	High	High	High	High	High	High	High
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High	High	High
1-3-1-9-1: Acid Neutralising Capacity	High	High	High	High	High	High	High	High
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	Good	Good	Good	Good	Moderate	Good	Good	Good
1-3-2-3: Invertebrate animals	High	High	High	High	High	High	High	High
1-3-2-3-3: Macroinvertebrates (RiCT/WHPT)	High	High	High	High	High	High	High	High
1-3-2-3-3-1: Macroinvertebrates (ASPT)	High	High	High	High	High	High	High	High
1-3-2-3-3-2: Macroinvertebrates (NTAXA)	High	High	High	High	High	High	High	High
1-3-2-4: Alien species	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-5: Fish	High	High	High	High	High	High	High	High
1-3-2-5-2: Fish barrier	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic plants	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-9-2-1: Macrophytes	High	High	High	High	High	High	High	High
1-3-2-9-2-2: Phytobenthos (diatoms)	Good	Good	Good	Good	Good	Good	Good	Good
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-3-4: Diazinon	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-5: Linuron	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-6: Permethrin	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-8: Copper	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-9: Zinc	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-12: 2,4-D	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-13: Mecoprop	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-17: Manganese	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-18: Benzyl butyl phthalate	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-4: Hydromorphology	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good
1-3-4-1: Morphology	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good
1-3-4-2: Overall hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1: Modelled hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	High	High	High	High	High
1-3-4-2-1-2: Hydrology (low flows)	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic Plants	Good							
4-1: Water quality	Good	Good	Good	Good	Good	Good	Good	Good

3. ERROL POW

3.1.1 Errol Pow is a river (ID: 6401), in the Dundee Coastal catchment of the Scotland river basin district. The main stem is approximately 13.4 kilometres in length. The water body has been designated as a heavily modified water body on account of physical alterations that cannot be addressed without a significant impact on the drainage of agricultural land.

3.1.2 Classifications are set out in Table A13.2- 3.

Table A13.2- 3 Errol Pow Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Moderate Ecological Potential	Moderate Ecological Potential	Moderate Ecological Potential	Moderate	Moderate	Moderate	Moderate	Moderate
1-1: Pre-HMWB status	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3: Overall ecology	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-1: Physico-Chem	Good	Good	Good	Good	Good	Good	Good	Good
1-3-1-1: Temperature	High	High	High	High	High	High	High	High
1-3-1-2: Reactive phosphorus	Good	Good	Good	Good	Good	Good	Good	Good
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High	High	High
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3: Invertebrate animals	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3-3: Macroinvertebrates (RiCT/WHPT)	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3-3-1: Macroinvertebrates (ASPT)	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3-3-2: Macroinvertebrates (NTAXA)				High	High	High	High	High
1-3-2-5: Fish	High	High	High	High	High	High	High	High
1-3-2-5-2: Fish barrier	High	High	High	High	High	High	High	High
1-3-2-9-2-2: Phytobenthos (diatoms)								
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-4: Hydromorphology	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-4-1: Morphology	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-2: Overall hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1: Modelled hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	High	High	High	High	High
1-3-4-2-1-2: Hydrology (low flows)	High	High	High	High	High	High	High	High
4-1: Water quality	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

4. GRANGE POW

4.1.1 Grange Pow is a river (ID: 6402), in the Dundee Coastal catchment of the Scotland river basin district. The main stem is approximately 10.5 kilometres in length. The water body has been designated as a heavily modified water body on account of physical alterations that cannot be addressed without a significant impact on the drainage of agricultural land.

4.1.2 Classifications are set out in Table A13.2- 4.

Table A13.2- 4 Grange Pow Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Moderate Ecological Potential	Moderate Ecological Potential	Moderate Ecological Potential	Moderate	Moderate	Moderate	Moderate	Moderate
1-1: Pre-HMWB status	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-2-1: Priority substances	Pass							
1-3: Overall ecology	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-1: Physico-Chem	Moderate	Moderate	Moderate	Moderate	Good	Good	Good	Good
1-3-1-1: Temperature	High	High	High	High	High	High	High	High
1-3-1-2: Reactive phosphorus	Moderate	Moderate	Moderate	Moderate	Good	Good	Good	Good
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High	High	High
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3: Invertebrate animals	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3-3: Macroinvertebrates (RiCT/WHPT)	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3-3-1: Macroinvertebrates (ASPT)	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-3-3-2: Macroinvertebrates (NTAXA)	Good	Good	Good	Good	High	High	High	High
1-3-2-5: Fish	High	High	High	High	High	High	High	High
1-3-2-5-2: Fish barrier	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic plants	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-9-2-2: Phytobenthos (diatoms)	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-3-7: Iron	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-17: Manganese	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-4: Hydromorphology	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good
1-3-4-1: Morphology	Moderate	Moderate	Moderate	Good	Good	Good	Good	Good
1-3-4-2: Overall hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1: Modelled hydrology	High	High	High	High	High	High	High	High
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	High	High	High	High	High
1-3-4-2-1-2: Hydrology (low flows)	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic Plants	Moderate							
4-1: Water quality	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

5. HUNTLY BURN

5.1.1 Huntly Burn is a river (ID: 6404), in the Dundee Coastal catchment of the Scotland river basin district. The main stem is approximately 22.3 kilometres in length. The water body has been designated as a heavily modified water body on account of physical alterations that cannot be addressed without a significant impact on the drainage of agricultural land.

5.1.2 Classifications are set out in Table A13.2- 5.

Table A13.2- 5 River Tay Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Good ecological potential	Good ecological potential	Moderate ecological potential	Moderate	Moderate	Moderate	Moderate	Moderate
1-1: Pre-HMWB status	Poor	Poor	Poor	Moderate	Moderate	Moderate	Moderate	Moderate
1-3: Overall ecology	Poor	Poor	Poor	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-1: Physico-Chem	Good	Good	Good	Good	Good	Good	High	High
1-3-1-1: Temperature	High	High	High	High	High	High	High	High
1-3-1-2: Reactive phosphorus	Good	Good	Good	Good	Good	Good	High	High
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High	High	High
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	High	High	High	High	Moderate	Moderate	Moderate	Good
1-3-2-3: Invertebrate animals	High	High	High	High	High	High	High	High
1-3-2-3-3: Macroinvertebrates (RiCT/WHPT)	High	High	High	High	High	High	High	High
1-3-2-3-3-1: Macroinvertebrates (ASPT)	High	High	High	High	High	High	High	High
1-3-2-3-3-2: Macroinvertebrates (NTAXA)	High	High	High	High	High	High	High	High
1-3-2-5: Fish	High	High	High	High	High	High	High	High
1-3-2-5-2: Fish barrier	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic plants	High	High	High	High	Moderate	Moderate	Moderate	Good
1-3-2-9-2-2: Phytobenthos (diatoms)	High	High	High	High	Moderate	Moderate	Moderate	Good
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-4: Hydromorphology	Poor	Poor	Poor	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-1: Morphology	Poor	Poor	Poor	Good	Good	Good	Good	Good
1-3-4-2: Overall hydrology	High	High	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-2-1: Modelled hydrology	High	High	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	Good	Good	Good	Good	Good
1-3-4-2-1-2: Hydrology (low flows)	High	High	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-9: Aquatic Plants	High							
4-1: Water quality	Good	Good	Good	Good	Moderate	Moderate	Moderate	Good

6. DIGHTY WATER

6.1.1 Dighty Water is a river (ID: 6001), in the Dighty Water catchment of the Scotland river basin district. The main stem is approximately 20.6 kilometres in length. The water body has been designated as a heavily modified water body on account of physical alterations that cannot be addressed without a significant impact on the drainage of agricultural land and from an increased risk of subsidence or flooding.

6.1.2 Classifications are set out in Table A13.2- 6.

Table A13.2- 6 Dighty Water Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Moderate ecological potential	Moderate ecological potential	Moderate ecological potential	Poor	Poor	Poor	Poor	Poor
1-1: Pre-HMWB status	Bad	Bad	Bad	Poor	Poor	Poor	Poor	Poor
1-3: Overall ecology	Bad	Bad	Bad	Poor	Poor	Poor	Poor	Poor
1-3-1: Physico-Chem	High	High	High	High	High	High		High
1-3-1-1: Temperature	High	High	High	High	High	High	High	High
1-3-1-2: Reactive phosphorus	High	High	High	High	High	High	High	High
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High		High
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	Moderate	Moderate	Moderate	Poor	Poor	Poor	Poor	Poor
1-3-2-3: Invertebrate animals	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-3-3: Macroinvertebrates (RiCT/WHPT)	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-3-3-1: Macroinvertebrates (ASPT)	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-3-3-2: Macroinvertebrates (NTAXA)	High	High	High	High	High	High	High	High
1-3-2-4: Alien species	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-2-5: Fish	High	High	High	High	High	High	High	High
1-3-2-5-2: Fish barrier	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic plants	Moderate	Moderate	Moderate	Poor	Poor	Poor	Poor	Poor
1-3-2-9-2-1: Macrophytes	Moderate	Moderate	Moderate	Poor	Poor	Poor	Poor	Poor
1-3-2-9-2-2: Phytobenthos (diatoms)	Moderate	Moderate	Moderate	Moderate	Moderate	Poor	Moderate	Moderate

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-4: Hydromorphology	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-1: Morphology	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-2: Overall hydrology	Good	Good	Moderate	Good	Good	Good	Good	Good
1-3-4-2-1: Modelled hydrology	Good	Good	Moderate	Good	Good	Good	Good	Good
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	High	High	High	High	High
1-3-4-2-1-2: Hydrology (low flows)	Good	Good	Moderate	Good	Good	Good	Good	Good
1-3-2-9: Aquatic Plants	Moderate							
4-1: Water quality	Moderate	Moderate	Moderate	Poor	Poor	Poor	Poor	Poor

7. FITHIE BURN

7.1.1 Fithie Burn is a river (ID: 6004), in the Dighty Water catchment of the Scotland river basin district. The main stem is approximately 11.2 kilometres in length. The water body has been designated as a heavily modified water body on account of physical alterations that cannot be addressed without a significant impact on the drainage of agricultural land and from an increased risk of subsidence or flooding.

7.1.2 Classifications are set out in Table A13.2- 7.

Table A13.2- 7 Fithie Burn Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Poor ecological potential	Poor ecological potential	Poor ecological potential	Poor	Poor	Poor	Poor	Poor
1-1: Pre-HMWB status	Bad	Bad	Bad	Poor	Poor	Poor	Poor	Poor
1-3: Overall ecology	Bad	Bad	Bad	Poor	Poor	Poor	Poor	Poor
1-3-1: Physico-Chem	Good	Good	Good	Good	Good	Good	Good	Good
1-3-1-1: Temperature	High	High	High	High	High	High	High	High
1-3-1-2: Reactive phosphorus	Good	Good	Good	Good	Good	Good	Good	Good
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High	High	High
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor
1-3-2-3: Invertebrate animals	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-3-3: Macroinvertebrates (RiCT/WHPT)	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-3-3-1: Macroinvertebrates (ASPT)	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-3-3-2: Macroinvertebrates (NTAXA)	High	High	High	High	High	High	High	High
1-3-2-5: Fish	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor
1-3-2-5-2: Fish barrier	Poor	Poor	Poor	Poor	Poor	Poor	Poor	Poor
1-3-2-9: Aquatic plants	Good	Good	Good	Good	Good	Good	Good	Moderate
1-3-2-9-2-2: Phytobenthos (diatoms)	Good	Good	Good	Good	Good	Good	Good	Moderate
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-4: Hydromorphology	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-1: Morphology	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-2: Overall hydrology	Good	Good	Good	Good	Good	Good	Good	Good
1-3-4-2-1: Modelled hydrology	Good	Good	Good	Good	Good	Good	Good	Good
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	High	High	High	High	High
1-3-4-2-1-2: Hydrology (low flows)	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-9: Aquatic Plants	Good							
4-1: Water quality	Good	Good	Good	Good	Good	Good	Good	Moderate

8. DRONLEY BURN

8.1.1 Dronley Burn is a river (ID: 6007), in the Dighty Water catchment of the Scotland river basin district. The main stem is approximately 6.3 kilometres in length. The water body has been designated as a heavily modified water body on account of physical alterations that cannot be addressed without a significant impact on the drainage of agricultural land.

8.1.2 Classifications are set out in Table 13.2- 8.

Table A13.2- 8 Dronley Burn Surface Water Classification

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1: Overall status	Good ecological potential	Good ecological potential	Good ecological potential	Moderate	Moderate	Moderate	Moderate	Moderate
1-1: Pre-HMWB status	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3: Overall ecology	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-1: Physico-Chem	High	High	High	High	High	High		
1-3-1-1: Temperature	High	High	High	High	High	High	Good	Good
1-3-1-2: Reactive phosphorus	High	High	High	High	High	High	High	High
1-3-1-4: Dissolved Oxygen	High	High	High	High	High	High	High	High
1-3-1-9: Acidity	High	High	High	High	High	High		
1-3-1-9-2: pH	High	High	High	High	High	High	High	High
1-3-2: Biological elements	High	High	High	High	High	High	Good	Good
1-3-2-5: Fish	High	High	High	High	High	High	High	High
1-3-2-5-2: Fish barrier	High	High	High	High	High	High	High	High
1-3-2-9: Aquatic plants	High	High	High	High	High	High	Good	Good
1-3-2-9-2-2: Phytobenthos (diatoms)	High	High	High	High	High	High	Good	Good
1-3-3: Specific pollutants	Pass	Pass	Pass	Pass	Pass	Pass		
1-3-3-14: Ammonium	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
1-3-4: Hydromorphology	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-1: Morphology	Bad	Bad	Bad	Moderate	Moderate	Moderate	Moderate	Moderate
1-3-4-2: Overall hydrology	Good	Good	Good	Good	Good	Good	Good	Good

Parameter	2022	2020	2019	2018	2017	2016	2015	2014
1-3-4-2-1: Modelled hydrology	Good	Good	Good	Good	Good	Good	Good	Good
1-3-4-2-1-1: Hydrology (medium/high flows)	High	High	High	High	High	High	High	High
1-3-4-2-1-2: Hydrology (low flows)	Good	Good	Good	Good	Good	Good	Good	Good
1-3-2-9: Aquatic Plants	High							
4-1: Water quality	High	High	High	High	High	High		