

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
630m Length of Access Track and Underground Cabling within the Burn of Arisdale Catchment As shown on Figure 15.1	Increased sediment mobilisation and transport from road material through surface wash.	Short-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	Low	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Disruption to lateral flow (throughflow in peat and runoff) from the placement of aggregate.	Long-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
470m Length of Access Track and Underground Cabling within the Burn of Neapaback As shown on Figure 15.1	Increased sediment mobilisation and transport from road material through surface wash.	Short-Term, Reversible, Adverse and Local	Burn of Neapaback Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Neapaback Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Neapaback Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
			Long-Term, Reversible,	Burn of Neapaback Catchment (Surface Waters)	Medium	Medium	Moderate

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	Disruption to lateral flow (throughflow in peat and runoff) from the placement of aggregate.	Adverse and Local	'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Neapaback Catchment (Surface Waters)	Medium	High	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
3756m Length of Access Track and Underground Cabling within Burn of Hamnavoe Catchment As shown on Figure 15.1	Increased sediment mobilisation and transport from road material through surface wash.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat and GWDTE Supporting Material	Very High	Medium	Major	Yes
	Disruption to lateral flow (throughflow in peat and runoff) from the placement of aggregate.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
	4212m Length of Access Track and Underground Cabling within Green Burn and Burn of Holigarth	Increased sediment mobilisation and transport from road material through surface wash.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holigarth Catchment (Surface Waters)	Medium	Low	Minor
'Yell' Bedrock Aquifer				Very High	Low	Moderate	Yes
Water in Peat				Very High	Low	Moderate	Yes
		Long-Term, Reversible,	Green Burn and Burn of Holigarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes

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Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
Catchment As shown on Figure 15.1	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Adverse and Local	'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Disruption to lateral flow (throughflow in peat and runoff) from the placement of aggregate.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
	1317m Length of Access Track and Underground Cabling within Burn of Kettlester Catchment As shown on Figure 15.1	Increased sediment mobilisation and transport from road material through surface wash.	Short-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	Low	Moderate
'Yell' Bedrock Aquifer				Very High	Low	Moderate	Yes
Water in Peat				Very High	Low	Moderate	Yes
Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.		Long-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
Disruption to lateral flow (throughflow in peat and runoff) from the placement of aggregate.		Long-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
Pollution from spills or leakage of fuel and oil from use of machinery.		Short-Term, Reversible,	Burn of Kettlester Catchment (Surface Waters)	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes

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Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
		Adverse and Local	Water in Peat	Very High	High	Major	Yes
1249m Length of Access Track and Underground Cabling within Burn of Horsewater and Burn of Hummelton Catchment As shown on Figure 15.1	Increased sediment mobilisation and transport from road material through surface wash.	Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat and GWDTE Supporting Material	Very High	Medium	Major	Yes
	Disruption to lateral flow (throughflow in peat and runoff) from the placement of aggregate.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
Watercourse Crossing WX1	Disruption/blockage of watercourse flow from watercourse crossing.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
Watercourse Crossing WX2	Disruption/blockage of watercourse flow from watercourse crossing.	Short-Term, Reversible,	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes

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		Adverse and Local					
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
Watercourse Crossing WX3	Disruption/blockage of watercourse flow from watercourse crossing.	Short-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	High	Major	Yes
Watercourse Crossing WX4	Disruption/blockage of watercourse flow from watercourse crossing.	Short-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	High	Major	Yes
Watercourse Crossing WX5	Disruption/blockage of watercourse flow from watercourse crossing.	Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Major	Yes
Watercourse Crossing WX6	Disruption/blockage of watercourse flow from watercourse crossing.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes

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	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
Turbine 1 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
			Water in Peat	Very High	Negligible	Minor	No
Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes	
		'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
		Water in Peat	Very High	High	Major	Yes	
Turbine 2 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
		Long-Term, Reversible,	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Adverse and Local	'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
			Water in Peat	Very High	Negligible	Minor	No
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
	Turbine 3 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate
'Yell' Bedrock Aquifer				Very High	Medium	Major	Yes
Water in Peat				Very High	Medium	Major	Yes
Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.		Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
Impermeable underground structure that may disrupt and/or disconnect the hydraulic		Long-Term, Reversible,	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes



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	connectivity of the peatland in the surrounding area.	Adverse and Local	Water in Peat	Very High	Low	Moderate	Yes	
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	
	Turbine 4 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
				'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
Water in Peat				Very High	Medium	Major	Yes	
Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.		Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.		Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	



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Turbine 5 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
			Water in Peat	Very High	Negligible	Minor	No
Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes	
		'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
		Water in Peat	Very High	High	Major	Yes	
Turbine 6 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
		Long-Term, Reversible,	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No

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	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Adverse and Local	'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
			Water in Peat	Very High	Negligible	Minor	No
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
	Turbine 7 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate
'Yell' Bedrock Aquifer				Very High	Medium	Major	Yes
Water in Peat				Very High	Medium	Major	Yes
Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.		Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible,	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No

Hydrology and Hydrogeology Impact Assessment without Mitigation								
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*	
		Adverse and Local	Water in Peat	Very High	Negligible	Minor	No	
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
Turbine 8 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Water in Peat	Very High	High	Major	Yes	
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	
	Turbine 9 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
				'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
Water in Peat				Very High	Medium	Major	Yes	

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
			Water in Peat	Very High	Negligible	Minor	No
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
Turbine 10 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Moderate	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Major	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Low	Minor	No
			Water in Peat	Very High	Low	Moderate	Yes
	Long-Term, Reversible,	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Moderate	Yes	

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Adverse and Local	Burn of Kettlester Catchment (Surface Waters)	Very High	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No
			Burn of Kettlester Catchment (Surface Waters)	Very High	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
			Water in Peat	Very High	High	Major	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Moderate	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Major	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Turbine 11 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate
'Yell' Bedrock Aquifer				Very High	Medium	Major	Yes
Water in Peat				Very High	Medium	Major	Yes
Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.		Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes

Hydrology and Hydrogeology Impact Assessment without Mitigation								
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*	
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	
Turbine 12 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
			Short-Term, Reversible,	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes

Hydrology and Hydrogeology Impact Assessment without Mitigation								
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*	
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Adverse and Local	'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	
Turbine 13 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
				'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
				Water in Peat	Very High	Medium	Major	Yes
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
				'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
				Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
				'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
				Water in Peat	Very High	Low	Moderate	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Negligible	Minor	No
				'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
				Water in Peat	Very High	Negligible	Minor	No
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Major	Yes
'Yell' Bedrock Aquifer				Very High	High	Major	Yes	
Water in Peat				Very High	High	Major	Yes	
Turbine 14 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible,	Long-Term, Reversible,	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
				'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes



Hydrology and Hydrogeology Impact Assessment without Mitigation								
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*	
		Adverse and Local	Water in Peat	Very High	Medium	Major	Yes	
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	
	Turbine 15 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
				'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
				Water in Peat	Very High	Medium	Major	Yes
		Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
				'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
Water in Peat				Very High	Medium	Major	Yes	
Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.		Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
Impermeable underground structure that may disrupt and/or disconnect the hydraulic		Long-Term, Reversible,	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	

Hydrology and Hydrogeology Impact Assessment without Mitigation								
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*	
	connectivity of the peatland in the surrounding area.	Adverse and Local	Water in Peat	Very High	Low	Moderate	Yes	
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
	Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	
	Turbine 16 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
				'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
Water in Peat				Very High	Medium	Major	Yes	
Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.		Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes	
			Water in Peat	Very High	Low	Moderate	Yes	
Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.		Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Negligible	Minor	No	
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No	
			Water in Peat	Very High	Negligible	Minor	No	
Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.		Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
Turbine 17 and Associated Hardstanding Area	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Increased impermeable area may lead to increased runoff and shorter rainfall-runoff response time.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Impermeable underground structure that may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
			Water in Peat	Very High	Low	Moderate	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
			Water in Peat	Very High	Negligible	Minor	No
Pollution from spills or leakage of concrete or equivalent and fuel, and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Major	Yes	
		'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
		Water in Peat	Very High	High	Major	Yes	
Borrow Pit 1	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Short-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
Removal of overburden and stone may cause changes to the groundwater recharge.	Long-Term, Irreversible,	Burn of Arisdale Catchment (Surface Waters)	High	Medium	Major	Yes	

Hydrology and Hydrogeology Impact Assessment without Mitigation								
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*	
		Adverse and Local	'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
		Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	High	Major	Yes
				'Yell' Bedrock Aquifer	Very High	High	Major	Yes
Borrow Pit 2	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Removal of overburden and stone may cause changes to the groundwater recharge.	Long-Term, Irreversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes	
			Water in Peat	Very High	High	Major	Yes	
Borrow Pit 3	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes	
			Water in Peat	Very High	Medium	Major	Yes	
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes	

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
	Removal of overburden and stone may cause changes to the groundwater recharge.	Long-Term, Irreversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
Borrow Pit 4	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
	Removal of overburden and stone may cause changes to the groundwater recharge.	Long-Term, Irreversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
Site Compound and Substation	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Medium	Major	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
	Placement of aggregate may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Long-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Negligible	Minor	No
			Burn of Kettlester Catchment (Surface Waters)	Very High	Negligible	Minor	No
			Water in Peat	Very High	Negligible	Minor	No
			'Yell' Bedrock Aquifer	Very High	Negligible	Minor	No
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
Anemometry Mast and Telecommunications Tower	Removal of vegetation reduces interception and evapotranspiration rates and increases runoff.	Long-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Burn of Neapaback Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
	Removal of peat may disrupt and/or disconnect the hydraulic connectivity of the peatland in the surrounding area.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Burn of Neapaback Catchment (Surface Waters)	Medium	Medium	Moderate	Yes
			Water in Peat	Very High	Medium	Major	Yes
			'Yell' Bedrock Aquifer	Very High	Medium	Major	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
			Burn of Neapaback Catchment (Surface Waters)	Medium	High	Major	Yes

Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
			Water in Peat	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
Maintenance	Pollution from spills and leaks of fuel and oil from vehicles.	Short-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	High	Major	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	High	Major	Yes
			Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes
			Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes
Decommission of Principal Features and Restoration	Decrease in impermeable area leading to pre-development runoff conditions and pre-development rainfall-runoff response time.	Long-Term, Irreversible, Neutral and Local	Burn of Arisdale Catchment (Surface Waters)	High	Low	Moderate	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Low	Moderate	Yes
			Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
			Water in Peat	Very High	Low	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
	Re-vegetation may lead to pre-development interception and evapotranspiration rates and pre-development runoff conditions.	Long-Term, Irreversible, Neutral and Local	Burn of Arisdale Catchment (Surface Waters)	High	Low	Moderate	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Low	Moderate	Yes
			Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No



Hydrology and Hydrogeology Impact Assessment without Mitigation							
Project Component	Potential Impacts	Nature and Geographical Significance of Impact	Receptor	Sensitivity of Receptor	Magnitude of Change from Baseline	Scale of Impacts	Significant Effect?*
			Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
			Water in Peat	Very High	Low	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
	Reinstatement of peat profile may lead to pre-development infiltration rates and to pre-development runoff conditions.	Long-Term, Irreversible, Neutral and Local	Burn of Arisdale Catchment (Surface Waters)	High	Low	Moderate	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	Low	Moderate	Yes
			Burn of Hamnavoe Catchment (Surface Waters)	Medium	Low	Minor	No
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	Low	Minor	No
			Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	Low	Minor	No
			Water in Peat	Very High	Low	Moderate	Yes
			'Yell' Bedrock Aquifer	Very High	Low	Moderate	Yes
	Pollution from spills or leakage of fuel and oil from use of machinery.	Short-Term, Reversible, Adverse and Local	Burn of Arisdale Catchment (Surface Waters)	High	High	Major	Yes
			Burn of Kettlester Catchment (Surface Waters)	Very High	High	Major	Yes
			Burn of Hamnavoe Catchment (Surface Waters)	Medium	High	Major	Yes
			Green Burn and Burn of Holligarth Catchment (Surface Waters)	Medium	High	Major	Yes
			Burn of Horsewater and Burn of Hummelton Catchment (Surface Waters)	Medium	High	Major	Yes
			Water in Peat	Very High	High	Major	Yes
			'Yell' Bedrock Aquifer	Very High	High	Major	Yes

Note

\* Impacts that have been determined to be major or moderate are considered to have a significant effect. Impacts that are identified as minor or negligible are not considered to have a significant effect.