



# Meridian Solar Farm

EN010169

Volume 6

Environmental Statement

6.3 ES Appendix 11-6:  
Assessment Summary  
Tables

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications:  
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## Tables

Table 11.6.1: Detailed summary of the potential impacts and effects on water quality and hydromorphology during construction of the Solar Development Area and Inter-Array Connections 1

Table 11.6.2: Detailed summary of the potential impacts and effects on water quality and hydromorphology during construction of the Grid Connection Route 20

**Table 11.6.1: Detailed summary of the potential impacts and effects on water quality and hydromorphology during construction of the Solar Development Area and Inter-Array Connections<sup>1</sup>**

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
WEL01	High importance for water quality	Watercourses that are a tributary to the River Welland may be indirectly impacted by the Scheme via pollution pathways and these impacts may propagate downstream.	Indirect, temporary, negligible adverse impacts to WEL01 and its abstractions via pollution risk to other watercourses. Although there are multiple pollution pathways along different watercourses, there will be dilution and dispersion of chemical pollutants, and settlement of particulates in the immediately affected watercourses upstream of the River Welland. Additional dilution and dispersion will take place in the River Welland itself.	Slight adverse (not significant)

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<sup>1</sup> Magnitude of impact reflects the embedded mitigation as described in **ES Chapter 11: Hydrology and Flood Risk** (Doc Ref. 6.1)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
PMD01	Medium importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling.	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport processes during construction.	Slight adverse (not significant)
PMD02	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling.	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport processes during construction.	Slight adverse (not significant)
PMD03	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling. Potential for	Direct, temporary and minor adverse impact for new access track culvert construction. Potential for	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
		indirect impacts from construction compound runoff.	indirect impacts from construction compound runoff.	
	Low importance for hydromorphology	New culvert for access track crossing; open cut on-site cabling.	Direct, permanent, minor adverse impact on hydromorphology and sediment transport processes during construction.	Slight adverse (not significant)
CLD01	Low importance for water quality	One new culvert and one existing culvert upgrade for access track crossings; open cut underground cable crossing; Potential for indirect impacts from construction compound and substation site runoff.	Direct, temporary, minor adverse impact for new and upgraded access track culvert. Potential for indirect impacts from construction compound and substation site runoff. Direct, temporary, low adverse impact for open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
CLD02	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling; Potential for indirect impacts from construction compound runoff.	Direct, temporary, minor adverse impact for new access track culvert. Potential for indirect impacts from construction compound runoff.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
CLD03	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
CLD04	Low importance for water quality	Potential for indirect impacts from construction compound runoff.	Potential for indirect, temporary, minor adverse impacts from construction compound runoff.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
BHB01	Medium importance for water quality	Open cut cable crossing.	Direct, temporary, minor adverse impact to BHB01 and abstractions for new open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
BHB02	Medium importance for water quality	Open cut cable crossing	Direct, temporary, minor adverse impact to BHB02 and abstractions for new open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
CRW01	Low importance for water quality	Trenchless cable crossing	Direct, temporary, negligible adverse impact for trenchless cable crossing.	Neutral (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology		No change impact on hydromorphology.	Neutral (not significant)
CRW02	Low importance for water quality	Open cut cable crossing	Direct, temporary, minor adverse impact for new open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
CRW03	Low importance for water quality	One new culvert and one culvert upgrade for access track crossings; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
CRW04	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			hydromorphology and sediment transport during construction.	
CXD01	Medium importance for water quality	Two upgrades to existing culverts for access track crossings; open cut cable crossing; Potential for indirect impacts from construction compound runoff.	Direct, temporary, minor adverse impact to CXD01 and abstractions for upgrades to existing access track culvert. Direct, temporary, low adverse impact for open cut cable crossing; Potential for indirect impacts from construction compound runoff.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
QBD01	Low importance for water quality	Open cut or trenchless cable crossing (assumed open cut as worst-case scenario)	Direct, temporary, minor adverse impact for open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			hydromorphology and sediment transport during construction.	
QBD02	Low importance for water quality	Open cut cable crossing. Potential for indirect impacts from construction compound and substation site runoff.	Direct, temporary, minor adverse impact for open cut cable crossing. Potential for indirect impacts from construction compound and substation site runoff.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
QBD03	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
WMD02	Low importance for water quality	Open cut cable crossing	Direct, temporary, minor adverse impact for open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
WMD03	Low importance for water quality	Open cut cable crossing	Direct, temporary, minor adverse impact for open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
UND01	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			sediment transport during construction.	
WHD01	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
WHD02	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
MRD01	Low importance for water quality	Upgrade of existing culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of existing access track culvert. Direct,	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
		and trenchless cable crossing.	temporary, negligible adverse impact for trenchless cable crossing.	
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction. No change impact from trenchless crossing method.	Slight adverse (not significant)
UND02	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling; Potential for indirect impacts from construction compound runoff.	Direct, temporary, minor adverse impact for new access track culvert. Potential for indirect impacts from construction compound runoff.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
ERD01	Low importance for water quality	New culvert for access track crossing;	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology	open cut on-site cabling	Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
DND01	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
DIV02	Low importance for water quality	Upgrade of existing culvert for access track; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
DIV01	Low importance for water quality	Overhead Inter-Array Connection	No change impact	Neutral (not significant)
	Low importance for hydromorphology		No change impact	Neutral (not significant)
TIN01	Low importance for water quality	Overhead Inter-Array Connection	No change impact	Neutral (not significant)
	Low importance for hydromorphology		No change impact	Neutral (not significant)
TIN02	Low importance for water quality	Upgrade of existing culvert for access track; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
LAM02	Low importance for water quality	Upgrade of existing culvert for access track; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
LGR01	Low importance for water quality	Upgrades of existing culverts for access tracks; open cut on-site cabling; trenchless cable crossing	Direct, temporary, minor adverse impact for upgrade of access track culvert. Direct, temporary, negligible adverse impact for trenchless cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction. No change impact for trenchless cable crossing	Slight adverse (not significant)
LAM01	Low importance for water quality	Overhead Inter-Array Connection	No change impact	Neutral
	Low importance for hydromorphology		No change impact	Neutral

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
LAM03	Low importance for water quality	Upgrade of existing culvert for access track; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
LAM04	Low importance for water quality	Upgrade of existing culvert for access track; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
LAM05	Low importance for water quality	Upgrade of existing culvert for access track; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
FLD02	Low importance for water quality	Two new culverts for access track crossings; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
FLD03	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
FLD04	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
FLD05	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
FLD06	Low importance for water quality	Trenchless cable crossing	Direct, temporary, negligible impact for trenchless cable crossing.	Neutral (not significant)
	Low importance for hydromorphology		No change impact on hydromorphology	Neutral (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
SHD01	High importance for water quality	Trenchless cable crossing	Direct, temporary, negligible impact for trenchless cable crossing.	Neutral (not significant)
	Medium importance for hydromorphology		No change impact on hydromorphology	Neutral (not significant)
SHD02	Low importance for water quality	One new culvert and one existing culvert upgrade for access track crossings; open cut on-site cabling	Direct, temporary, minor adverse impact for new culvert and upgrades to existing access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
SHD03	Low importance for water quality	New culvert for access track crossing; open cut on-site cabling	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
SHD04	Low importance for water quality	Upgrade of existing culvert for access track; open cut on-site cabling	Direct, temporary, minor adverse impact for upgrade of access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport during construction.	Slight adverse (not significant)
Numerous unnamed drains and ditches	Low importance for water quality	Potential for indirect impacts from site runoff including construction compounds.	Indirect, temporary, minor adverse impacts from Site runoff.	Slight adverse (not significant)

**Table 11.6.2: Detailed summary of the potential impacts and effects on water quality and hydromorphology during construction of the Grid Connection Route<sup>2</sup>**

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
SHD01	High importance for water quality	An existing bridge will be upgraded for access track crossing	Direct, temporary, minor adverse impact for new bridge for access track crossing.	Slight adverse (not significant)
	Medium importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary bridge.	Slight adverse (not significant)
WMD01	Medium importance for water quality	New culvert for permanent access track crossing, and two new open-cut cable crossings.	Direct, temporary, minor adverse impact for new temporary access track culvert and open-cut cable crossings.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access	Slight adverse (not significant)

<sup>2</sup> Magnitude of impact reflects the embedded mitigation as described in **ES Chapter 11: Hydrology and Flood Risk** (Doc Ref. 6.1)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			track culvert and open-cut cable crossings.	
WMD02	Low importance for water quality	Upgrade of existing culvert for permanent access track crossing.	Direct, temporary, minor adverse impact for upgrade to culvert for temporary access track crossing.	Slight adverse (not significant)
	Low importance for hydromorphology	Potential for indirect impacts from construction runoff discharged from swales.	Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
WMD03	Low importance for water quality	Upgrade of existing culvert for permanent access track crossing	Direct, temporary, minor adverse impact for upgrade to culvert for temporary access track crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
WMD04	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
UND03	Low importance for water quality	Upgrade of existing culvert for permanent access track crossing.	Direct, temporary, minor adverse impact for upgrade to culvert for temporary access track crossing.	Slight adverse (not significant)
	Low importance for hydromorphology	Potential for indirect impacts from construction runoff discharged from swales.	Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DGD02	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
DGD03	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DGD04	Low importance for water quality	New culvert for permanent access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DGD05	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			transport from temporary access track culvert.	
DGD01	Low importance for water quality	Upgrade of existing culvert for permanent access track crossing	Direct, temporary, minor adverse impact for upgrade to culvert for temporary access track crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DGD06	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DGD07	Low importance for water quality	Open cut or trenchless cable crossing (assumed)	Direct, temporary, minor adverse impact for open cut cable crossing.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology	open cut as worst-case scenario). Potential for indirect impacts from construction runoff discharged from swales.	Direct, temporary, minor adverse impact on hydromorphology and sediment transport from open cut cable crossing.	Slight adverse (not significant)
DGD08	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DGD09	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
DGD10	Low importance for water quality	New culvert for permanent access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
MMD01	Low importance for water quality	Upgrade of existing culvert for permanent access track crossing.	Direct, temporary, minor adverse impact for upgrade to culvert for temporary access track crossing.	Slight adverse (not significant)
	Low importance for hydromorphology	Potential for indirect impacts from construction runoff discharged from swales.	Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
MMD02	Low importance for water quality	One upgrade of existing culvert for permanent crossing and one new culvert for temporary access track crossing	Direct, temporary, minor adverse impact for upgrade of culvert; and open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			transport from temporary access track culvert.	
MMD03	Low importance for water quality	New culvert for temporary access track	Direct, temporary, minor adverse impact for new temporary access track crossing	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
MMD04	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
MMD05	Low importance for water quality	New culverts for permanent and temporary access track crossing;	Direct, temporary, minor adverse impact for new temporary access track culvert and open cut cabling.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology	trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
MMD06	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
MMD07	Low importance for water quality	New culvert for permanent access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
MMD08	Low importance for water quality	New culvert for permanent access track crossing; trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, temporary, minor adverse impact for new temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert. Direct, temporary, minor adverse impact on hydromorphology for open cut cable crossing.	Slight adverse (not significant)
MMD09	Low importance for water quality	Trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, temporary, minor adverse impact for open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology for open cut cable crossing.	Slight adverse (not significant)
ADD01	Low importance for water quality	Upgrade of existing culvert for permanent access track crossing	Direct, temporary, minor adverse impact for upgrade to culvert for permanent access track crossing.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from permanent access track culvert.	Slight adverse (not significant)
ADD02	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
ADD03	Low importance for water quality	Upgrade of existing culvert for permanent access track crossing	Direct, temporary, minor adverse impact for new access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from permanent access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
ADD04	Low importance for water quality	Trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, temporary, minor adverse impact for open cut crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from open cut crossing.	Slight adverse (not significant)
MDN01	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DDN02	Low importance for water quality	New culverts for permanent access track crossing; trenchless or open-cut crossing for undergrounding of existing power	Direct, temporary, minor adverse impact for new temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from permanent	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
		cables (assume open-cut)	access track culvert and open cut cable crossing.	
DDN01	Low importance for water quality	New culvert for permanent access track crossing; trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, temporary, minor adverse impact for new temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from permanent access track culvert and open cut cable crossing.	Slight adverse (not significant)
DDN03	Low importance for water quality	Two new culverts for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DDN04	Low importance for water quality	One new culvert for temporary	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology	access track crossing	Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
DDN05	Low importance for water quality	New culvert for temporary access track crossing; trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, temporary, minor adverse impact for new temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
DDN06	Low importance for water quality	New culvert for temporary access track crossing; trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, temporary, minor adverse impact for new temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			track culvert and open cut cable crossing.	
DDN07	Low importance for water quality	New culvert for temporary access track crossing; trenchless or open-cut crossing for undergrounding of existing power cables (assume open-cut)	Direct, temporary, minor adverse impact for new temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert and open cut cable crossing.	Slight adverse (not significant)
DDN08	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
WMD05	Low importance for water quality	New culvert for permanent access track crossing	Direct, temporary, minor adverse impact for new permanent access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology		Direct, permanent, minor adverse impact on hydromorphology and sediment transport from permanent access track culvert.	Slight adverse (not significant)
OED02	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
OED03	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
OED04	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
OED05	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
OED06	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			transport from temporary access track culvert.	
LOD01	Medium importance for water quality	Three new culverts for temporary access track crossing; two open-cut cable crossings.	Direct, temporary, minor adverse impact for new temporary access track culverts and open-cut cable crossings.	Slight adverse (not significant)
	Low importance for hydromorphology	Potential for indirect impacts from construction runoff discharged from swales.	Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culverts and open-cut cable crossings.	Slight adverse (not significant)
WMD06	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
LOD02	Low importance for water quality	Upgrade of existing culvert and new culvert	Direct, temporary, minor adverse impact for upgrade to culvert for temporary access	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
		for temporary access track crossing; open-cut cable crossing.	track crossing and open-cut cable crossing.	
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert and open-cut cable crossing.	Slight adverse (not significant)
LOD03	Low importance for water quality	New culvert and upgrade of existing culvert for temporary access track crossings; open-cut cable crossing	Direct, temporary, minor adverse impact for new culvert upgrade to culvert for temporary access track crossing and open-cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from new culvert and upgrade to temporary access track culvert; and open-cut cable crossing.	Slight adverse (not significant)
LOD04	Low importance for water quality	Two new culvert for temporary access track	Direct, temporary, minor adverse impact for new temporary access track culvert; open cut cable crossing.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
	Low importance for hydromorphology	crossing; open cut cable crossing	Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert; open cut cable crossing.	Slight adverse (not significant)
LOD05	Low importance for water quality	Two new culverts for temporary access track crossing; open cut cable crossing	Direct, temporary, minor adverse impact for new temporary access track culvert; open cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert; open cut cable crossing.	Slight adverse (not significant)
LOD06 LOD07	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
LOD07	Low importance for water quality	New culvert for temporary access track crossing	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
LOD08	Low importance for water quality	New culvert for temporary access track crossings	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert.	Slight adverse (not significant)
LOD09	Low importance for water quality	New culvert for temporary access track crossings	Direct, temporary, minor adverse impact for new temporary access track culvert.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
			transport from temporary access track culvert.	
LOD10	Low importance for water quality	Open-cut cable crossing	Direct, temporary, minor adverse impact for open-cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from open-cut cable crossing.	Slight adverse (not significant)
LOD11	Low importance for water quality	New culvert for temporary access track crossing; open-cut cable crossing	Direct, temporary, minor adverse impact for new temporary access track culvert and open-cut cable crossing.	Slight adverse (not significant)
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert and open-cut cable crossing.	Slight adverse (not significant)
LOD12	Low importance for water quality	New culvert for temporary access	Direct, temporary, minor adverse impact for new	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
		track crossing; open-cut cable crossing	temporary access track culvert and open-cut cable crossing.	
	Low importance for hydromorphology		Direct, temporary, minor adverse impact on hydromorphology and sediment transport from temporary access track culvert and open-cut cable crossing.	Slight adverse (not significant)
DGD01	Low importance for water quality	Temporary construction area for pylon 4SV8 encroaches within 10 m buffer	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)
MMD01	Low importance for water quality	Temporary construction area for pylon 4SV19 encroaches within 10 m buffer	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)
MMD04	Low importance for water quality	Temporary construction area for pylon 4SV20 encroaches within 10 m buffer	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
MMD09	Low importance for water quality	Temporary construction area for pylon 4SV23 encroaches within 10 m buffer	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)
DGD06	Low importance for water quality	Temporary construction area for pylon 4SV29 encroaches within 10 m buffer	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)
DGD08	Low importance for water quality	Temporary construction area for pylon 4SV30 encroaches within 10 m buffer	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)
OED03	Low importance for water quality	Temporary construction area for pylon 4SV33 encroaches within 10 m buffer	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)
LOD08	Low importance for water quality	Temporary construction area for pylon 4SV41	Potential for indirect, temporary minor adverse impacts from Site runoff.	Slight adverse (not significant)

Water feature	Importance	Interaction with Scheme	Magnitude of Impact	Significance of Effect
		encroaches within 10 m buffer		
Numerous unnamed drains and ditches	Low importance for water quality	Potential for indirect impacts from site runoff including construction compounds.	Indirect, temporary, minor adverse impacts from Site runoff.	Slight adverse (not significant)

