

Southampton to London Pipeline Project

Volume 6

Environmental Statement (Volume D)
Appendix 15.2: Intra-Project Cumulative Effects
Assessment

Application Document: 6.4

Planning Inspectorate Reference Number: EN070005

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Revision No. 1.0

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Contents

Appendix 15.2 Intra-Project Cumulative Effects Assessment1



Appendix 15.2 Intra-Project Cumulative Effects Assessment

Legend:

y	Cumulative effects on ecology; already discussed in Chapter 7 Biodiversity
y	Cumulative effects on water receptors; already discussed in Chapter 8 Water
y	Cumulative effects on heritage receptors; already discussed in Chapter 9 Historic Environment
y	Cumulative effects on construction workers; already discussed in Chapter 11 Soils and Geology
y	Cumulative effects on socio-economic receptors; already discussed in Chapter 12 Land Use and Chapter 13 People and Communities
y	Indicates that only a single effect has been identified for this receptor, hence there are no cumulative effects on this receptor.
	Indicates that this effect has not been assessed together with other identified effects on the concerned receptor and there is a potential for intra-project cumulative effects. Other chapters where potential significant effects have been identified for the particular receptor, are referenced by initials in the box, for example, S&G = Soil and Geology



Construction Phase																	
Sensitive Receptors	Noise and Vibration	Light	Visual	Hydrological Change (Surface Water Contamination OR Groundwater Quality, Flow and Level Changes)	Species Harm	Habitat Loss/Gain, Fragmentation or Modification	Air Quality/Dust Deposition	Introduction and Spread of Invasive Non-native Plant Species	Change in Flood Risk	Physical Damage/Disturbances Due to Excavation/ Trenching/ Open Cut/Haul Road Crossings	Setting Impacts	Landscape Effects	Introduction of New Contaminant Migration Pathways	Demolition/Temporary Loss of Structures/Land; Disruption to Access	Temporary Disruption to Environmental Agreements and Woodland Grant Schemes	Traffic Congestion	Community Severance
Biodiversity																	
Statutory Designated Sites				y													
Non-Statutory Designated Sites				y			y										
Ancient woodland							y										
Habitats				y		y		y									
Fauna (bats, breeding birds, dormouse, fish, great crested newt, rare and common reptiles, riparian mammals)	y					y											
Notable plants						y											
Water																	
Groundwater (Groundwater Dependent Terrestrial Ecosystems)				y													



Construction Phase

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licensed and unlicensed groundwater private water supplies				y													
Shallow Chalk unconfined Principal aquifer				y													
Main Rivers (at Frimley, River Ash and River Thames)				y													
Surface Water, Groundwater Dependent Terrestrial Ecosystems, licensed abstractions and unlicensed private water supplies within Groundwater Study Area-D and Groundwater Study Area-A				y													
Watercourses in the vicinity of dewatering activities for auger bore trenchless crossings.				y													



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Buildings and key infrastructure in the vicinity of dewatering activities for auger bore trenchless crossings				y													
Listed buildings and scheduled monuments in the vicinity of dewatering activities for auger bore trenchless crossings				y													
Source Protection Zone				y													
Aquifers				y									S&G				
Fluvial geomorphological receptors – Caker Stream										y							
Fluvial geomorphological receptors – River Blackwater										y							
14 x watercourses													y				
Flood risk									y								



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Soil and Geology																	
Soils										y							
Geology – Water Lane										y							
Aquifers													y				
Construction workers and adjacent land users							y						y				
Historic Environment																	
Archaeological remains				y						y							
Historic buildings				y						y							
Historic landscapes										y							
Landscape and Visual																	
Landscape Character Areas (NCA 128, 125, 130, 120, 114, 129, 115)												y					
South Downs National Park												y					



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Local landscape designations: Woburn Hill and Chertsey Meads												y					
Promoted gardens: Non-designated but promoted landscape at Brockwood Park Krishnamurti Centre												y					
Tree Loss including Tree Preservation Orders												y					
Chobham Common												y					
Viewpoints 1-63 (except 14, 15, 19, 21, 22, 33.a, 44, 45, 47, 49-51,54, 63)			y														
Land Use																	
Residential Property/land														y			
Community land and facilities														y			
Commercial property and land														y			
Agricultural land														y	y		



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People and Communities																	
Effects on communities (Section A to C): residential (residents), commercial, community (community facilities, schools, greenspaces and Public Rights of Way) receptors and community cohesion.	y		y														
Effects on communities (Section D to H): residential (residents), commercial, community (community facilities, schools, greenspaces and Public Rights of Way) receptors and community cohesion.	y		y													y	y
Tourism (Section A to C): tourism attractions, tourist accommodation, events,	y		y														



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changes in visitor behaviour and the wider tourism sector.																	
Tourism (Section D to H): tourism attractions, tourist accommodation, events, changes in visitor behaviour and the wider tourism sector.	y		y													y	y



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