



# Cycle 2 Waterbody Summary Report

21 March 2016

12:16:01



## Moselle Brook

Please be aware that data is based on the best available information as of the date shown above, and may be subject to change

<b>WATERBODY ID</b>	GB106038027920	<b>CYCLE / LATEST VERSION</b>	Cycle 2	2
<b>TYPE</b>	River	<b>DESIGNATION</b>	Heavily Modified	
<b>LENGTH (km)</b>	7.607	<b>EASTING</b>	533896	
<b>AREA (km2)</b>		<b>NORTHING</b>	190800	
<b>Alkalinity</b>		<b>CATCHMENT AREA (Ha)</b>	1622.45	

Geographical Boundaries	
<b>EA AREA</b>	Hertfordshire and North London
<b>RBD</b>	Thames
<b>MAN CATCHMENT</b>	London
<b>OP CATCHMENT</b>	Lee Lower Rivers and Lakes

### Classifications

Yea	Overall	Ecological	Chemical	MMA	Invertebrates	Fish	Macrophytes and Phytobenthos Combined	Phosphate	Ammonia	Dissolved Oxygen	pH
2013	Moderate	Moderate	Good	Mod/less			High	Poor	Bad	Bad	High
2014	Moderate	Moderate	Good	Mod/less			High	Poor	Bad	Bad	High
2015	Moderate	Moderate	Good	Mod/less	Bad		High	Poor	Bad	Bad	High

Note: DNSG = 'Does Not Support Good', DNRA = 'Does Not Require Assessment'

### Reasons for not achieving Good

Significant Water Management Issue	Reason	Element	Sector/Business Category	Pressures
Diffuse source	Sewage discharge (diffuse)	Ammonia (Phys-Chem)	Urban Urban and Transport	
<b>Confirmed</b>	<b>Confirmed</b>		<b>Confirmed</b>	
Diffuse source	Drainage - mixed	Ammonia (Phys-Chem)	Urban Urban and Transport	
<b>Probable</b>	<b>Probable</b>		<b>Probable</b>	



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Diffuse source	Sewage discharge (diffuse)	Dissolved oxygen	Urban Urban and Transport	
<b>Confirmed</b>	<b>Confirmed</b>		<b>Confirmed</b>	
Diffuse source	Drainage - mixed	Dissolved oxygen	Urban Urban and Transport	
<b>Probable</b>	<b>Probable</b>		<b>Probable</b>	
Diffuse source	Drainage - mixed	Phosphate	Urban Urban and Transport	
<b>Probable</b>	<b>Probable</b>		<b>Probable</b>	
Diffuse source	Sewage discharge (diffuse)	Phosphate	Urban Urban and Transport	
<b>Probable</b>	<b>Probable</b>		<b>Probable</b>	
Physical modification	Urbanisation - transport	Dissolved oxygen	Roads Urban and Transport	
<b>Probable</b>	<b>Probable</b>		<b>Probable</b>	
Physical modification	Flood protection - structures	Invertebrates	Urban and Transport	Morphology Not applicable
<b>Confirmed</b>	<b>Confirmed</b>		<b>Confirmed</b>	
Physical modification	Urbanisation - urban development	Invertebrates	Urban and Transport	Morphology Not applicable
<b>Confirmed</b>	<b>Confirmed</b>		<b>Confirmed</b>	
Physical modification	Other (not in list)	Mitigation Measures Assessment	Central Government	Flood protection
<b>Confirmed</b>	<b>Confirmed</b>		<b>Confirmed</b>	



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Physical modification	Other (not in list)	Mitigation Measures Assessment	Urbanisation
<b>Confirmed</b>	<b>Confirmed</b>		Urban and Transport <b>Confirmed</b>
Point source	Sewage discharge (intermittent)	Ammonia (Phys-Chem)	Waste water treatment Water Industry <b>Probable</b>
<b>Probable</b>	<b>Probable</b>		
Point source	Sewage discharge (intermittent)	Dissolved oxygen	Waste water treatment Water Industry <b>Probable</b>
<b>Probable</b>	<b>Probable</b>		
Point source	Sewage discharge (intermittent)	Phosphate	Water Industry <b>Probable</b>
<b>Probable</b>	<b>Probable</b>		

## Actions and Measures

CPS Action ID	Title	Measure Aim	Easting/Northing	Action Status / EA Team
38493	Appropriate vegetation control in the Moselle Brook	<ol style="list-style-type: none"> <li>Mitigation Measure</li> <li></li> <li></li> </ol>		<p>New</p> <p>Fisheries, Biodiversity and Geomorphology</p>
33764	Communications campaign for landowner education on SuDS and surface water drain abuse.	<ol style="list-style-type: none"> <li>Mitigation Measure</li> <li></li> <li></li> </ol>		<p>Confirmed cost beneficial</p> <p>SE North East Thames, EM Land &amp; Water</p>



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22481	Deculvert and restore river in Hartington Park	1. Mitigation Measure	534139	Confirmed cost beneficial
		2.	190505	
		3.		SE North East Thames, Biodiversity
22481	Deculvert and restore river in Hartington Park	1. To improve modified habitat	534139	Confirmed cost beneficial
		2. Removal or modification of engineering structure	190505	
		3. Remove structures		SE North East Thames, Biodiversity
22485	Deculvert downstream of Lordship Lane Recreation Ground	1. Mitigation Measure	532805	Confirmed cost beneficial
		2.	190136	
		3.		SE North East Thames, Biodiversity
22485	Deculvert downstream of Lordship Lane Recreation Ground	1. To improve modified habitat	532805	Confirmed cost beneficial
		2. Improvement to condition of riparian zone and/or wetland habitats	190136	
		3. Improve floodplain connectivity		SE North East Thames, Biodiversity
38495	Educate landowners and riparian users on preventing the spread of invasive species	1. Mitigation Measure		New
		2.		
		3.		Fisheries, Biodiversity and Geomorphology



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21843	Identify and correct polluted surface water outfalls	<ol style="list-style-type: none"> <li>1. To control or manage point source inputs</li> <li>2. Reduce point source pollution at source</li> <li>3. Prohibit/control quantities/volumes of substances entering sewers (i.e. abuse of sewer network)</li> </ol>	<p>Confirmed cost beneficial</p> <p>SE North East Thames, EM Land &amp; Water</p>
21842	Improve highway runoff management (2km)	<ol style="list-style-type: none"> <li>1. To control or manage diffuse source inputs</li> <li>2. Reduce diffuse pollution pathways (i.e. control entry to water environment)</li> <li>3. Surface run-off &amp; drainage management</li> </ol>	<p>Confirmed cost beneficial</p> <p>SE North East Thames, EM Land &amp; Water</p>
33808	Improve sediment management through sediment matters approach	<ol style="list-style-type: none"> <li>1. Mitigation Measure</li> <li>2.</li> <li>3.</li> </ol>	<p>Confirmed cost beneficial</p> <p>SE North East Thames, Biodiversity</p>
21754	Improvements to/removal of CSOs upstream of the abstraction for Walthamstow Reservoirs	<ol style="list-style-type: none"> <li>1. To control or manage point source inputs</li> <li>2. Reduce point source pathways (i.e. control entry to water environment)</li> <li>3. CSO redesign and rebuild</li> </ol>	<p>Confirmed cost beneficial</p> <p>EM Land and Water</p>
38581	Install debris booms on the Moselle Brook	<ol style="list-style-type: none"> <li>1. Mitigation Measure</li> <li>2.</li> <li>3.</li> </ol>	<p>New</p> <p>FCRM - Operations</p>



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39051	Promote the use of SUDS through the planning process to mitigate the effects of urban runoff	<ol style="list-style-type: none"> <li>1. To control or manage diffuse source inputs</li> <li>2. Reduce diffuse pollution pathways (i.e. control entry to water environment)</li> <li>3. Surface run-off &amp; drainage management</li> </ol>	Confirmed cost beneficial
	Promote the use of SUDS to mitigate the effects of urban runoff	<ol style="list-style-type: none"> <li>1. Mitigation Measure</li> <li>2.</li> <li>3.</li> </ol>	<p>New</p> <p>Fisheries, Biodiversity and Geomorphology</p>
22144	Rectify misconnections on Moselle Brook	<ol style="list-style-type: none"> <li>1. To control or manage diffuse source inputs</li> <li>2. Reduce diffuse pollution at source</li> <li>3. Restrict plumbing and drainage modifications/installations by unqualified people</li> </ol>	<p>Confirmed cost beneficial</p> <p>SE North East Thames, EM Land &amp; Water</p>
33777	Reinstate flood plain connectivity at Lordship Lane Recreation Ground.	<ol style="list-style-type: none"> <li>1. Mitigation Measure</li> <li>2.</li> <li>3.</li> </ol>	<p>532536</p> <p>190097</p> <p>Confirmed cost beneficial</p> <p>SE North East Thames, Biodiversity</p>
33778	Reinstate flood plain connectivity at Tottenham Cemetry	<ol style="list-style-type: none"> <li>1. Mitigation Measure</li> <li>2.</li> <li>3.</li> </ol>	<p>533267</p> <p>191208</p> <p>Confirmed cost beneficial</p> <p>SE North East Thames, Biodiversity</p>



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33810	Renaturalise banks and carry out riparian planting from near White Hart Lane (1.3km)	1. Mitigation Measure	533571	Confirmed cost beneficial
		2.	191312	
		3.		SE North East Thames, Biodiversity
33809	Renaturalise banks and carry out riparian planting near Lordship Lane (430m)	1. Mitigation Measure	532805	Confirmed cost beneficial
		2.	190136	
		3.		SE North East Thames, Biodiversity
33811	Replace hard engineering with soft engineering solution at Tottenham Marshes	1. Mitigation Measure	534927	Confirmed cost beneficial
		2.	190344	
		3.		SE North East Thames, Biodiversity
21757	Resolve shared manholes on Moselle Brook	1. To control or manage point source inputs		Confirmed cost beneficial
		2. Reduce point source pathways (i.e. control entry to water environment)		
		3. Sewerage system re-design and rebuild		SE North East Thames, EM Land & Water
38504	Seek deculverting on the Moselle Brook where feasible	1. Mitigation Measure		New
		2.		
		3.		Fisheries, Biodiversity and Geomorphology



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38503	Where appropriate alter channel beds to improve longitudinal connectivity in culverts	<p>1. Mitigation Measure</p> <p>2.</p> <p>3.</p>	<p>Confirmed cost beneficial</p> <p>Fisheries, Biodiversity and Geomorphology</p>
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