

SILVERTOWN TUNNEL

**Environmental Statement
Appendix 16.G (6.3.16.7)**

**Water Framework
Directive River Basin
Management Plan Second
Cycle Waterbody Data**

April 2016

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Water Body Name	Modified Waters Designation	Classification Item	Parent Classification Item	Classification (2015)	Predicted Outcome (2021)	Predicted Outcome (2027)	Objective
THAMES MIDDLE	Heavily Modified	Ecological	Overall Water Body	Moderate	Moderate	Moderate	Moderate
THAMES MIDDLE	Heavily Modified	Chemical	Overall Water Body	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Biological quality elements	Ecological	Moderate	Moderate	Moderate	Moderate
THAMES MIDDLE	Heavily Modified	Hydromorphological Supporting Elements	Ecological	Not assessed	Not assessed	Not assessed	Not assessed
THAMES MIDDLE	Heavily Modified	Physico-chemical quality elements	Ecological	Moderate	Moderate	Moderate	Moderate
THAMES MIDDLE	Heavily Modified	Specific pollutants	Ecological	Moderate	Moderate	High	High
THAMES MIDDLE	Heavily Modified	Priority hazardous substances	Chemical	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Priority substances	Chemical	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Supporting elements (Surface Water)	Ecological	Moderate	Moderate	Good	Good
THAMES MIDDLE	Heavily Modified	1,2-dichloroethane	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Atrazine	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Benzene	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Cadmium and Its Compounds	Priority hazardous substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Endosulfan	Priority hazardous substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Hexachlorocyclohexane	Priority hazardous substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Lead and Its Compounds	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Mercury and Its Compounds	Priority hazardous substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Napthalene	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Nickel and Its Compounds	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Nonylphenol	Priority hazardous substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Pentachlorophenol	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Simazine	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Trichlorobenzenes	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Trichloromethane	Priority substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Trifluralin	Priority hazardous substances	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Aldrin, Dieldrin, Endrin & Isodrin	Other Pollutants	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Carbon Tetrachloride	Other Pollutants	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	DDT Total	Other Pollutants	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	para - para DDT	Other Pollutants	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Tetrachloroethylene	Other Pollutants	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Trichloroethylene	Other Pollutants	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Angiosperms	Biological quality elements	Moderate	Moderate	Moderate	Moderate
THAMES MIDDLE	Heavily Modified	Fish	Biological quality elements	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Invertebrates	Biological quality elements	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Macroalgae	Biological quality elements	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Phytoplankton blooms	Biological quality elements	High	High	High	Good
THAMES MIDDLE	Heavily Modified	Dissolved Inorganic Nitrogen	Physico-chemical quality elements	Moderate	Moderate	Moderate	Moderate
THAMES MIDDLE	Heavily Modified	Dissolved oxygen	Physico-chemical quality elements	Moderate	Moderate	Good	Good
THAMES MIDDLE	Heavily Modified	2,4-dichlorophenol	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	2,4-dichlorophenoxyacetic acid	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Arsenic	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Copper	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Dimethoate	Specific pollutants	High	High	High	High

**Water Framework Directive
River Basin Management
Plan Second Cycle
Waterbody Data**

Water Body Name	Modified Waters Designation	Classification Item	Parent Classification Item	Classification (2015)	Predicted Outcome (2021)	Predicted Outcome (2027)	Objective
THAMES MIDDLE	Heavily Modified	Iron	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Linuron	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Mecoprop	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Permethrin	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Toluene	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Un-ionised ammonia	Specific pollutants	High	High	High	High
THAMES MIDDLE	Heavily Modified	Zinc	Specific pollutants	Moderate	Moderate	High	High
THAMES MIDDLE	Heavily Modified	Mitigation Measures Assessment	Supporting elements (Surface Water)	Moderate or less	Moderate or less	Good	Good
THAMES MIDDLE	Heavily Modified	Overall Water Body	[ROOT]	Moderate	Moderate	Moderate	Moderate
THAMES MIDDLE	Heavily Modified	Other Pollutants	Chemical	Good	Good	Good	Good
THAMES MIDDLE	Heavily Modified	Saltmarsh	Angiosperms	Moderate			
THAMES MIDDLE	Heavily Modified	Infaunal Quality Index	Invertebrates	Good			
THAMES MIDDLE	Heavily Modified	Opportunistic Macroalgae	Macroalgae	High			
THAMES MIDDLE	Heavily Modified	Furoid Extent	Macroalgae	Good			