

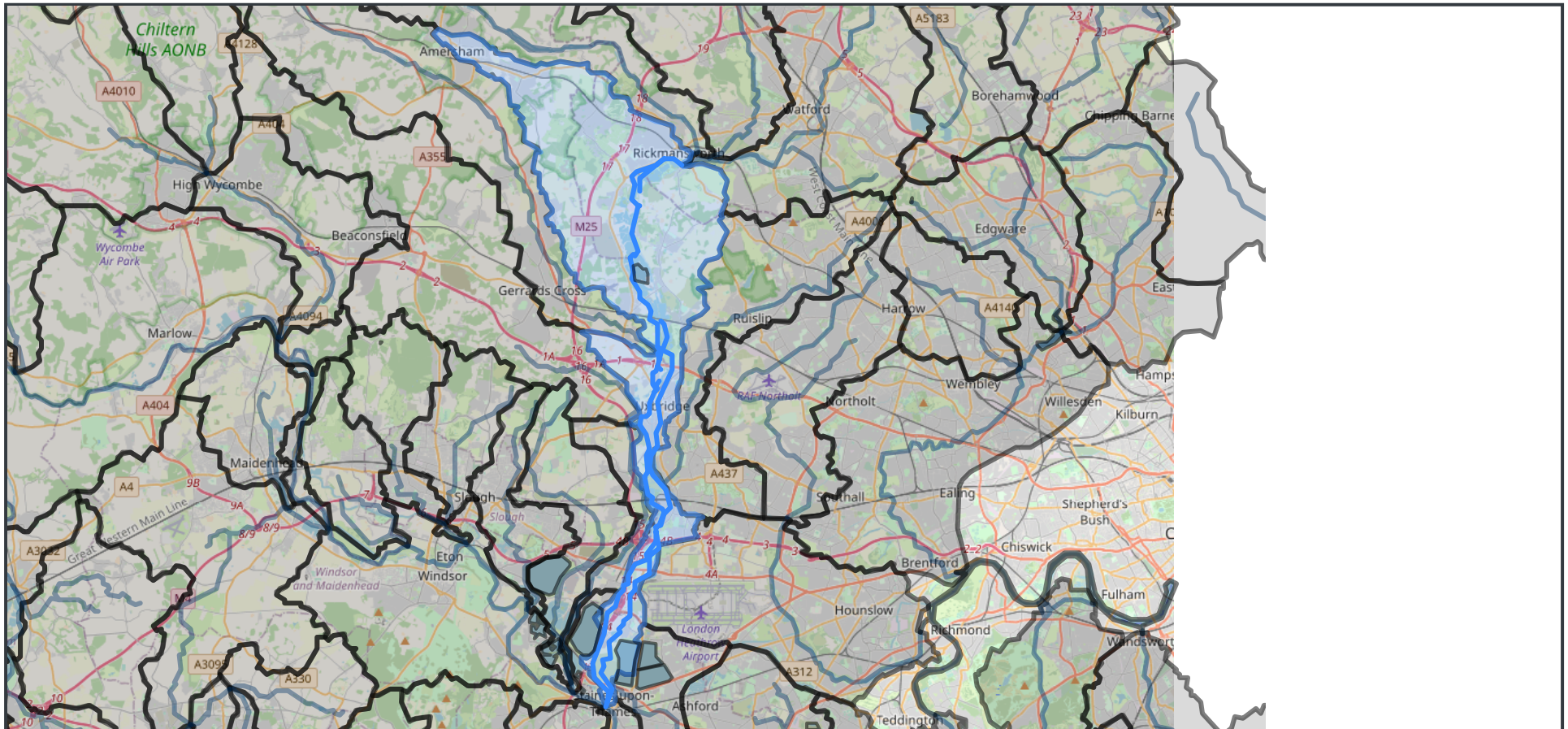


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# Colne (Confluence with Chess to River Thames) Water Body

Moderate ecological status

Viewing latest data (Updated on 01 February 2022). [Switch to draft river basin management plan data](#)



## Get Colne (Confluence with Chess to River Thames) data

- [Download water body \(Shapefile\)](#)
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- [Download investigations \(CSV\)](#)
- [Download challenges \(CSV\)](#)
- [Download objectives \(CSV\)](#)
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## Related links

- [Draft plan maps on ArcGIS online](#)
- [Draft flood risk management plans](#)

## Attributes

<b>Water Body ID</b> GB106039023090	<b>Water Body Type</b> River	<b>Hydromorphological designation</b> heavily modified	<b>NGR</b> TQ0459793541

<b>Surveillance Water Body</b> No	<b>Length</b> 51.489 km	<b>Catchment area</b> 89.316 km <sup>2</sup>	<b>Catchment area</b> 8931.645 ha
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## Classifications

Time period: Cycle 2 ▾

Classification Item	2013	2014	2015	2016	2019
Fish	Moderate	Good	Moderate	Good	Good
Invertebrates	Good	High	High	High	High
Macrophytes and Phytobenthos Combined			Good	Good	Moderate
<b>Ecological</b>	Moderate	Moderate	Moderate	Moderate	Moderate
<b>Biological quality elements</b>	Moderate	Good	Moderate	Good	Moderate
Fish	Moderate	Good	Moderate	Good	Good
Invertebrates	Good	High	High	High	High
Macrophytes and Phytobenthos Combined			Good	Good	Moderate
<b>Physico-chemical quality elements</b>	Moderate	Moderate	Moderate	Moderate	Moderate
Acid Neutralising Capacity		High	High	High	High
Ammonia (Phys-Chem)	High	High	High	High	High
Biochemical Oxygen Demand (BOD)	High	High	High	High	
Dissolved oxygen	High	High	High	High	High
Phosphate	Poor	Poor	Poor	Poor	Poor
Temperature	High	High	High	High	Good
pH	High	High	High	High	High
<b>Hydromorphological Supporting Elements</b>	Supports good	Supports good	Supports good	Supports good	Supports good
Hydrological Regime	Does not support good	Does not support good	Does not support good	Does not support good	Does not support good
<b>Supporting elements (Surface Water)</b>	Moderate	Moderate	Moderate	Moderate	Moderate
Mitigation Measures Assessment	Moderate or less	Moderate or less	Moderate or less	Moderate or less	Moderate or less
<b>Specific pollutants</b>	Moderate	Moderate	High	High	High
Arsenic	High	High	High	High	High
Copper	High	High	High	High	High
Iron			High	High	High
Manganese	High	High	High	High	High
Permethrin	High	High	High	High	High
Triclosan	Moderate	Moderate	High	High	High
Zinc	High	High	High	High	High
<b>Other Substances</b>					
Fenitrothion	High				
Xylene	High				

Classification Item	2013	2014	2015	2016	2019
<b>Chemical</b>	Fail	Fail	Good	Good	Fail
<b>Priority hazardous substances</b>	Fail	Fail	Good	Good	Fail
Benzo (b) and (k) fluoranthene	Good	Good	Good	Good	
Benzo (ghi) perelyene and indeno (123-cd) pyrene	Good	Good	Good	Good	
Benzo(a)pyrene			Good	Good	Good
Cadmium and Its Compounds	Good	Good	Good	Good	Good
Di(2-ethylhexyl)phthalate (Priority hazardous)	Good	Good			
Dioxins and dioxin-like compounds					Good
Heptachlor and cis-Heptachlor epoxide					Good
Hexabromocyclododecane (HBCDD)					Good
Hexachlorobenzene					Good
Hexachlorobutadiene					Good
Hexachlorocyclohexane	Good	Good	Good	Good	Good
Mercury and Its Compounds			Good	Good	Good
Nonylphenol	Fail	Fail		Good	Good
Perfluorooctane sulphonate (PFOS)					Fail
Polybrominated diphenyl ethers (PBDE)					Fail
Tributyltin Compounds	Fail	Fail			Good
Trifluralin (Priority hazardous)	Good	Good	Good	Good	Good
<b>Priority substances</b>	Good	Good	Good	Good	Good
1,2-dichloroethane	Good	Good	Good	Good	Good
Atrazine	Good	Good	Good	Good	Good
Cypermethrin (Priority hazardous)					Good
Fluoranthene	Good	Good	Good	Good	Good
Lead and Its Compounds	Good	Good	Good	Good	Good
Nickel and Its Compounds	Good	Good	Good	Good	Good
Pentachlorophenol	Good	Good	Good	Good	Good
Simazine	Good	Good	Good	Good	Good
Trichlorobenzenes	Good	Good	Good	Good	Good
Trichloromethane	Good	Good	Good	Good	Good
<b>Other Pollutants</b>	Good	Good	Good	Good	Good
Aldrin, Dieldrin, Endrin & Isodrin	Good	Good	Good	Good	Good
Carbon Tetrachloride	Good	Good	Good	Good	Good
DDT Total	Good	Good	Good	Good	Good
Tetrachloroethylene	Good	Good	Good	Good	Good
Trichloroethylene	Good	Good	Good	Good	Good



Classification Item	2013	2014	2015	2016	2019
para - para DDT	Good	Good	Good	Good	Good
pH	High	High	High	High	High

## Investigations into classification status

No data to show

## Reasons for not achieving good (RNAG) and reasons for deterioration (RFD)

All reasons (RFDs and RNAGs) attributed to the classification elements in this water body.

Reason Type	SWMI	Activity	Category	Classification Element	More information
RNAG	Unknown (pending investigation)	Unknown (pending investigation)	Sector under investigation	Perfluorooctane sulphonate (PFOS)	<a href="#">Details</a>
RNAG	Diffuse source	Urbanisation - urban development	Urban and transport	Phosphate	<a href="#">Details</a>
RNAG	Diffuse source	Urbanisation - urban development	Urban and transport	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>
RFD	Natural	Drought	No sector responsible	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>
RNAG	Point source	Private Sewage Treatment	Urban and transport	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>
RNAG	Point source	Sewage discharge (continuous)	Water Industry	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>
RNAG	Point source	Sewage discharge (intermittent)	Water Industry	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>
RNAG	Point source	Misconnections	Domestic General Public	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>
RNAG	Point source	Sewage discharge (intermittent)	Water Industry	Phosphate	<a href="#">Details</a>
RNAG	Point source	Private Sewage Treatment	Urban and transport	Phosphate	<a href="#">Details</a>
RNAG	Point source	Misconnections	Domestic General Public	Phosphate	<a href="#">Details</a>
RNAG	Point source	Sewage discharge (continuous)	Water Industry	Phosphate	<a href="#">Details</a>
RNAG	Measures delivered to address Reason, awaiting classification	Not applicable	No sector responsible	Polybrominated diphenyl ethers (PBDE)	<a href="#">Details</a>
RNAG	Physical modification	Urbanisation - urban development	Urban and transport	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>
RNAG	Physical modification	Urbanisation - urban development	Urban and transport	Hydrological Regime	<a href="#">Details</a>
RNAG	Physical modification	Other (not in list, must add details in comments)	Recreation	Mitigation Measures Assessment	<a href="#">Details</a>
RNAG	Physical modification	Other (not in list, must add details in comments)	Local and Central Government	Mitigation Measures Assessment	<a href="#">Details</a>
RNAG	Flow	Groundwater abstraction	Water Industry	Hydrological Regime	<a href="#">Details</a>

Reason Type	SWMI	Activity	Category	Classification Element	More information
RNAG	Flow	Groundwater abstraction	Water Industry	Macrophytes and Phytobenthos Combined	<a href="#">Details</a>

## Reasons for not achieving good status by business sector

The issues preventing waters reaching good status and the sectors identified as contributing to them. The numbers in the table are individual counts of the reasons for not achieving good status with a confidence status of 'confirmed' and 'probable', where the latest classification is less than good status. There may be more than one reason in a single water body. Note, table does not include reasons for deterioration.

Significant water management issue	Physical modifications	Pollution from waste water	Pollution from towns, cities and transport	Changes to the natural flow and level of water	Invasive non-native species	Pollution from rural areas	Pollution from abandoned mines
Agriculture and rural land management	0	0	0	0	0	0	0
Industry	0	0	0	0	0	0	0
Mining and quarrying	0	0	0	0	0	0	0
Navigation	0	0	0	0	0	0	0
Urban and transport	2	0	3	0	0	0	0
Water Industry	0	4	0	2	0	0	0
Local & central government	1	0	0	0	0	0	0
Domestic general public	0	0	1	0	0	0	0
Recreation	1	0	0	0	0	0	0
Waste treatment and disposal	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
No sector responsible	0	0	0	0	0	0	0
Sector under investigation	0	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Objectives

Classification Item	Status	Year	Reasons
Ecological	Moderate	2015	Disproportionately expensive: Disproportionate burdens; Disproportionately expensive: Unfavourable balance of costs and benefits; Good status prevented by A/HMWB designated use: Action to get biological element to good would have significant adverse impact on use
Biological quality elements	Moderate	2015	Good status prevented by A/HMWB designated use: Action to get biological element to good would have significant adverse impact on use
Fish	Moderate	2015	Good status prevented by A/HMWB designated use: Action to get biological element to good would have significant adverse impact on use

Classification Item	Status	Year	Reasons
Invertebrates	Good	2015	
Macrophytes and Phytobenthos Combined	Good	2015	
<b>Physico-chemical quality elements</b>	<b>Moderate</b>	2015	Disproportionately expensive: Unfavourable balance of costs and benefits
Acid Neutralising Capacity	Good	2015	
Ammonia (Phys-Chem)	Good	2015	
Dissolved oxygen	Good	2015	
Phosphate	Poor	2015	Disproportionately expensive: Unfavourable balance of costs and benefits
Temperature	Good	2015	
pH	Good	2015	
<b>Hydromorphological Supporting Elements</b>	<b>Supports good</b>	2015	
Hydrological Regime	Does not support good	2015	Disproportionately expensive: Unfavourable balance of costs and benefits
<b>Supporting elements (Surface Water)</b>	<b>Good</b>	2027	Disproportionately expensive: Disproportionate burdens
Mitigation Measures Assessment	Good	2027	Disproportionately expensive: Disproportionate burdens
<b>Specific pollutants</b>	<b>High</b>	2015	
Arsenic	High	2015	
Copper	High	2015	
Iron	High	2015	
Manganese	High	2015	
Permethrin	High	2015	
Triclosan	High	2015	
Zinc	High	2015	
<b>Chemical</b>	<b>Good</b>	2015	
<b>Priority hazardous substances</b>	<b>Good</b>	2015	
Benzo (b) and (k) fluoranthene	Good	2015	
Benzo (ghi) perelyene and indeno (123-cd) pyrene	Good	2015	
Benzo(a)pyrene	Good	2015	
Cadmium and Its Compounds	Good	2015	
Hexachlorocyclohexane	Good	2015	
Mercury and Its Compounds	Good	2015	
Trifluralin (Priority hazardous)	Good	2015	
<b>Priority substances</b>	<b>Good</b>	2015	
1,2-dichloroethane	Good	2015	
Atrazine	Good	2015	

Classification Item	Status	Year	Reasons
Fluoranthene	Good	2015	
Lead and Its Compounds	Good	2015	
Nickel and Its Compounds	Good	2015	
Pentachlorophenol	Good	2015	
Simazine	Good	2015	
Trichlorobenzenes	Good	2015	
Trichloromethane	Good	2015	
<b>Other Pollutants</b>	Good	2015	
Aldrin, Dieldrin, Endrin & Isodrin	Good	2015	
Carbon Tetrachloride	Good	2015	
DDT Total	Good	2015	
Tetrachloroethylene	Good	2015	
Trichloroethylene	Good	2015	
para - para DDT	Good	2015	

## Protected areas

PA Name	Id	Directive	Type	More information
SWSGZ4016	SWSGZ4016	Safeguard Zone		

## Monitoring sites

[BELOW MOORFIELD RD, HAREFIELD](#) 455080

[G.U.C. AT A40, DENHAM](#) 345381

[COLNE/WRAYSBURY RIVER/HARMONDSWORTH MOOR/](#) 481840

[G.U.C. AT HORTON ROAD BRIDGE](#) 346160

[ABOVE SPRINGWELL LOCK](#) 454664

[G.U.C. AT COPPERMILL LANE, HAREFIELD](#) 345383

[COLNE / G.U.C. ABOVE BATCHWORTH LOCK](#) 345247

[COLNE/SPRINGWELL LANE/](#) 482485

[COLNE ABOVE THAMES](#) 345231

[ABOVE MAPLE LODGE STW](#) 454511

[COLNE/UXBRIDGE/](#) 530886

[U/S COLNE](#) 454804

[COLNE AT GAUGING STATION, DENHAM](#) 345233

[ABOVE BATCHWORTH LOCK](#) 454512

[COPPERMILL LANE, HAREFIELD](#) 454786

[FRAYS ABOVE COLNE](#) 345251

[HORTON ROAD BRIDGE](#) 454768

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[G.U.C. ABOVE SPRINGWELL LOCK](#) 345398

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[HALFWAY HOUSE PH, RICKMANSWORTH](#) 454602

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[NEW DENHAM STREAM AT LIME WALK, NEW DENH](#) 345399

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[FRAYS AT PACKET BOAT LANE, UXBRIDGE](#) 345389

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[WRAYSBURY RIVER ABOVE COLNE](#) 345305

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[COLNE ABOVE G.U.C., MAPLE LODGE](#) 345437

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[DUKE OF NORTHUMBERLAND/MOOR LANE/](#) 529819

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[COLNE/STANWELL MOOR/](#) 482488

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[AT STANWELL MOOR](#) 454968

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[G.U.C. ABOVE TOWPATH FOOTBRIDGE, HAREFIE](#) 345403

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[AT STAINES MOOR/HYTHE END](#) 454969

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[BELOW HORTON ROAD, POYLE](#) 455043

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[NEW YEARS GREEN BOURNE ABOVE FRAYS](#) 345278

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[GRAND UNION CANAL/U/S WIDEWATER LOCK/](#) 549989

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[COLNE/DENHAM/](#) 529031

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[COLNE/COWLEY, OLD MILL LANE/](#) 482255

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[LONG BRIDGE, UXBRIDGE](#) 454853

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[BELOW WEIR, MAPLE CROSS](#) 455079

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[COLNE/LONGBRIDGE WAY, UXBRIDGE/](#) 532111

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## Upstream water bodies

[Colne \(from Confluence with Ver to Gade\)](#)

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[Chess](#)

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[Pinn](#)

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[Misbourne](#)

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## Downstream water bodies

[Thames \(Egham to Teddington\)](#)

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