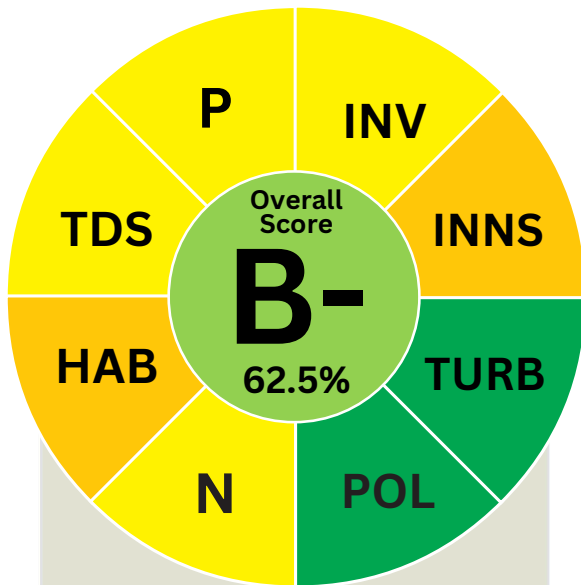


River Guardians Scorecard

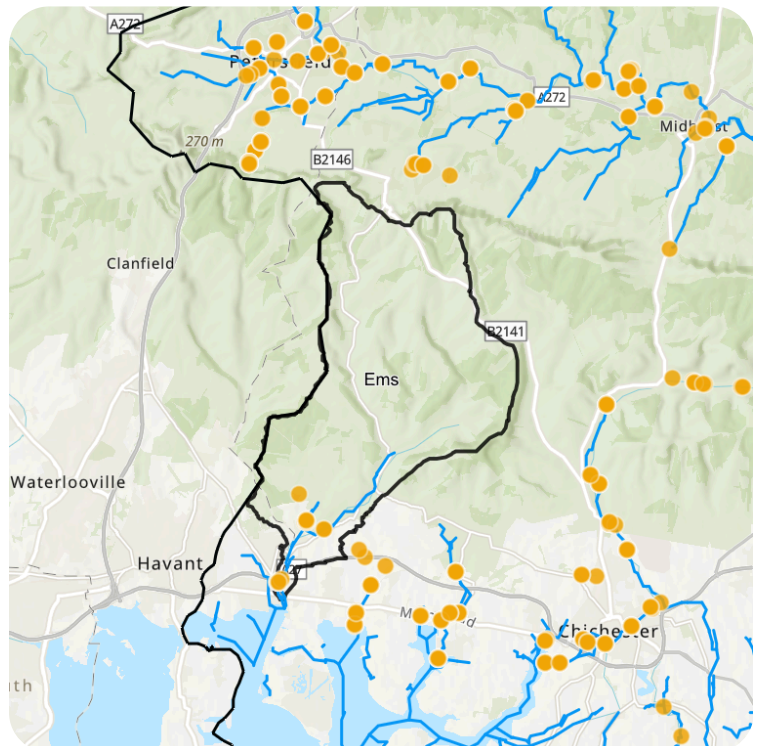


RIVER HEALTH SCALE

A	Excellent	80-100
B	Good	60-80
C	Fair	40-60
D	Poor	20-40
F	Very poor	0-20
ID	Insufficient data	

Ems

The overall catchment score provides a review of river health and is based on a year's data from all sites in the waterbody. Data is collected through WSRT River Guardian surveys and using important external data. At least 12 samples taken over a year are required for a river to qualify for a scorecard.



INV

Inverts No. of Invertebrates in the watercourse (Environment Agency Catchment Explorer)

INNS

INNS No. and diversity of Invasive Non-Native Species which degrade habitat, biodiversity and economy.

TURB

Turbidity Water can be more turbid (murky) due to lots of particles suspended in it from soil or road dirt washing into the rivers during rainfall.

POL

Pollution A summary of EA Storm Overflow Event Duration Monitoring Data (2023) and River Guardian visual assessment.

N

Nitrogen from fertilizer, wastewater, auto emissions, and manure can lead to algal blooms that decrease stream health and contaminate drinking water.

HAB

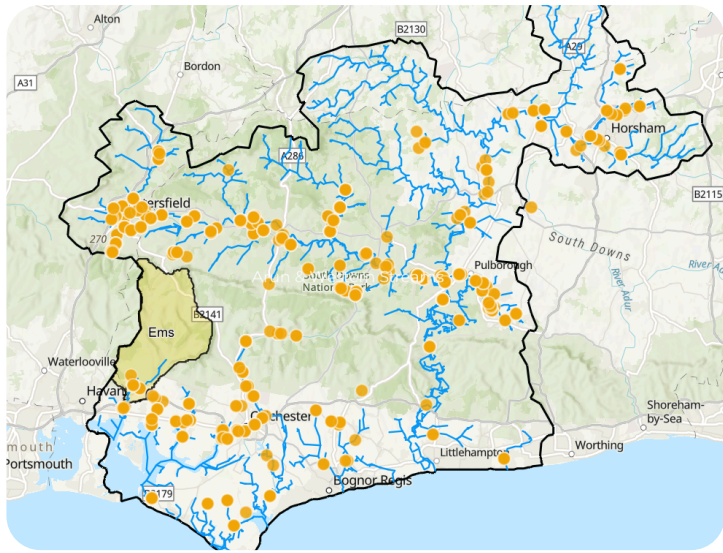
Habitat score Derived from River Habitat Surveys outlining the abundance and diversity of habitat along a river.

TDS

Total Dissolved Solids The more minerals, salts and metals that are dissolved in the water the more conductive the water gets. This can indicate the presence of pollutants and can be altered by geology and saltwater.

P

Phosphate (PO4) A vital nutrient for the growth of all organisms found in natural and artificial fertilisers, sewage and industrial wastes. Natural levels are very low so any measurable phosphate is likely due to anthropogenic influences.



Ems

River Guardians monitoring sites across the Arun & Western Streams Catchment 2024

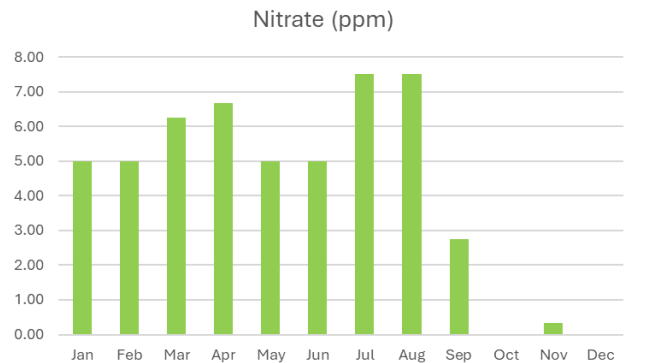
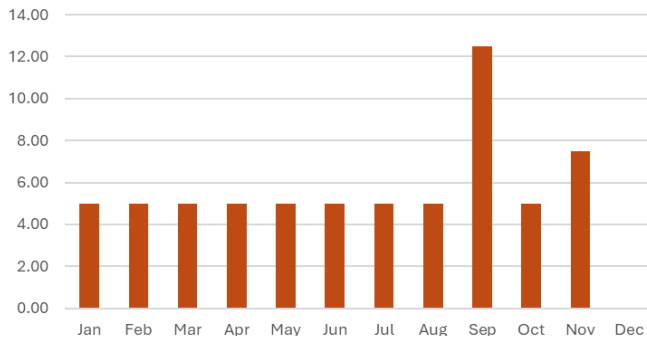
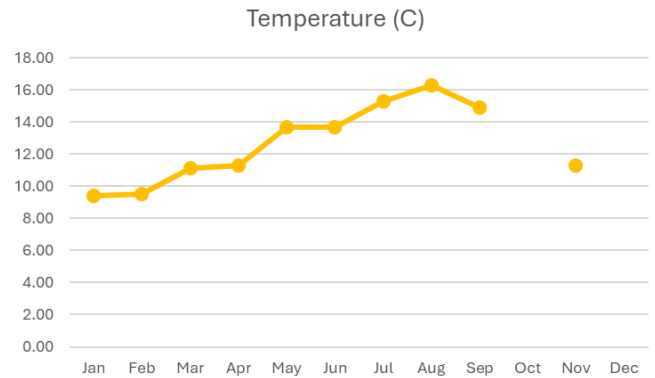
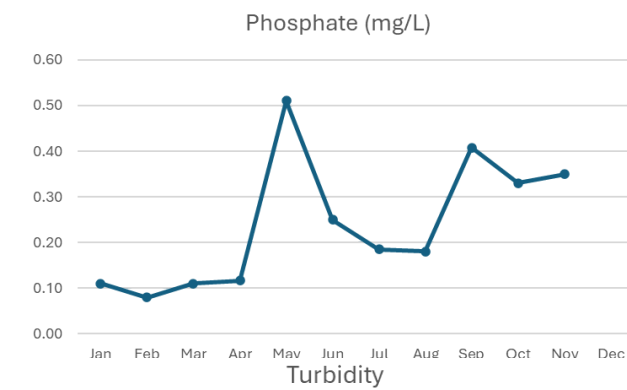
The **Ems** waterbody catchment is highlighted in yellow.

CATCHMENT SUMMARY

River Ems Overall Grade

B- 62.5%

The following information is summarised based on the number of surveys carried out in 2024. Please note, each graph represents the monthly mean.



INVASIVE SPECIES

Other - Virginia Creeper, Buddleia (2)

WILDLIFE & HABITAT

Water vole (1), Kingfisher (1), Grey Wagtail (9), Heron (1), Fish (10), Dragonflies/Damselflies (9), Duck (9), Moorhen/Coot (7), Goose (1), Other Species (2)

POLLUTION

Outfall not discharging (1), Outfall causing discolouration (1), Dog Access to river (2), Livestock access to river (5), Road Run-off (2), Soil Run-off (1), Unpleasant Odour (1), Foam (White/Fragrant) (2), Sewage Fungus (2) Other (1)

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