

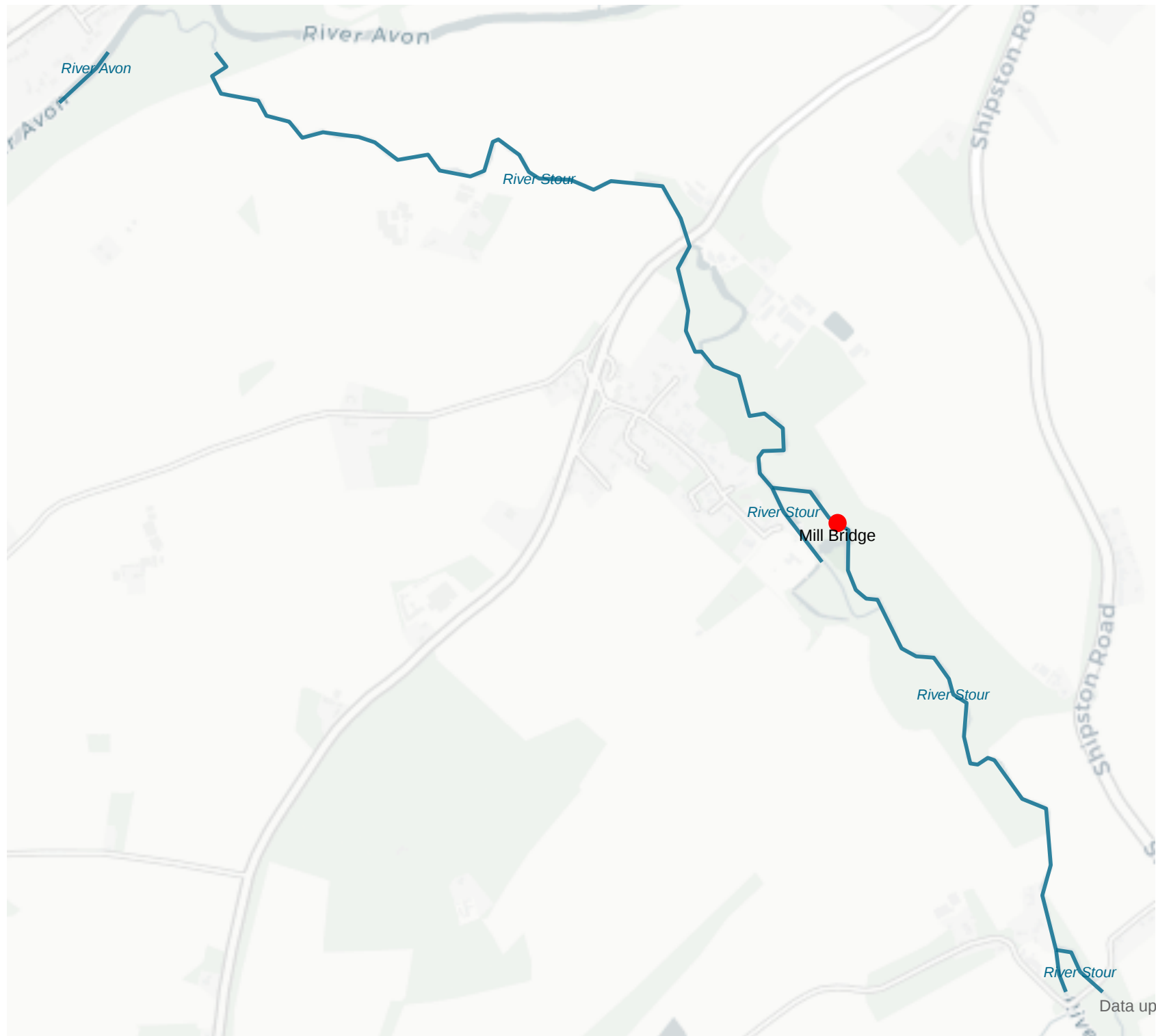
SafeAvon Nutrient Testing Report: Clifford Chambers

SafeAvon Sites By Waterway

Stour River

. Clifford Chambers – Mill Bridge

SafeAvon Locations in Clifford Chambers



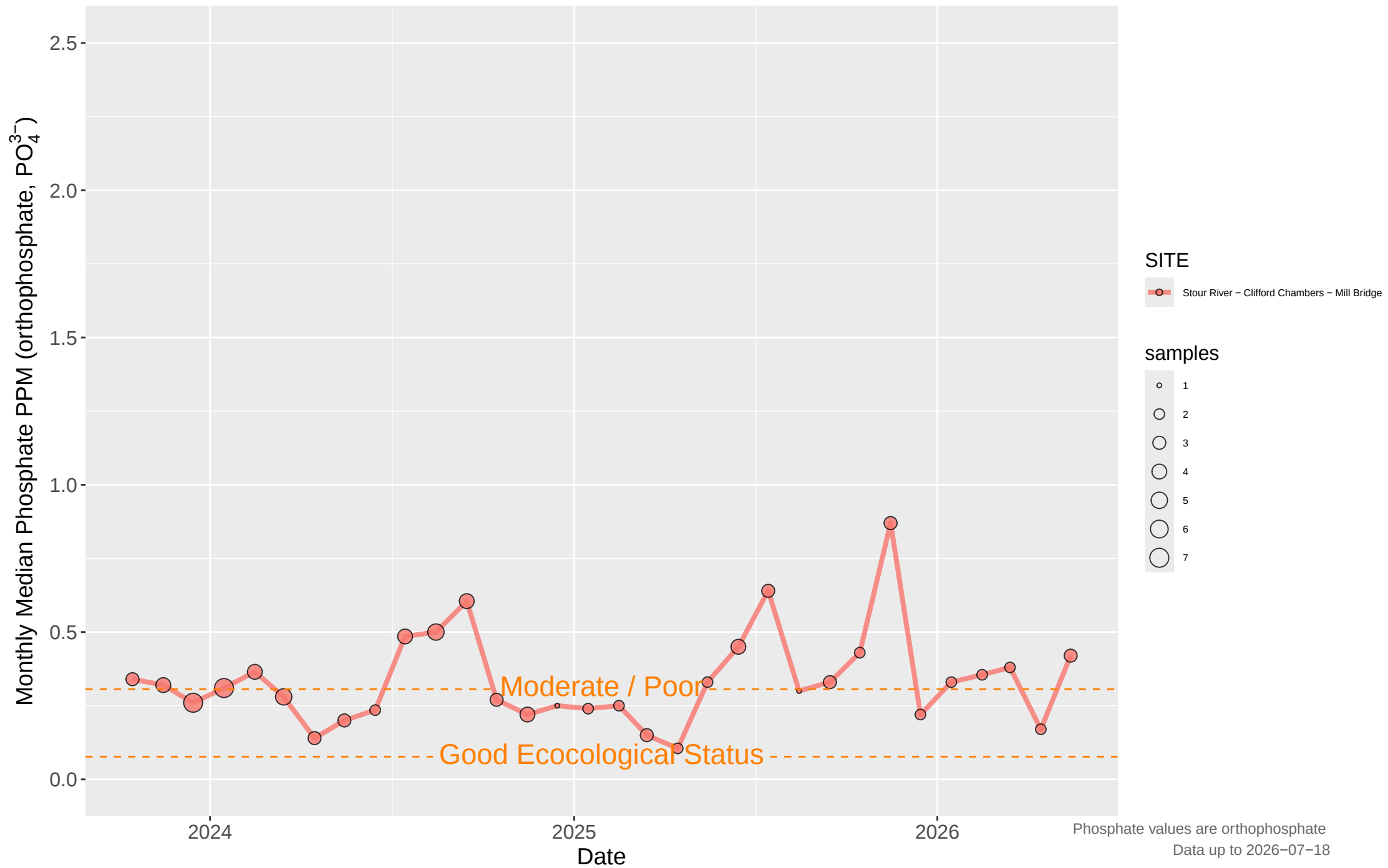
Data up to 2026-07-18

Summary for sites in Clifford Chambers

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Stour River – Clifford Chambers – Mill Bridge	2023-10-17	2026-05-31	99	1	0.31	10

SafeAvon Phosphates – By Month

Clifford Chambers



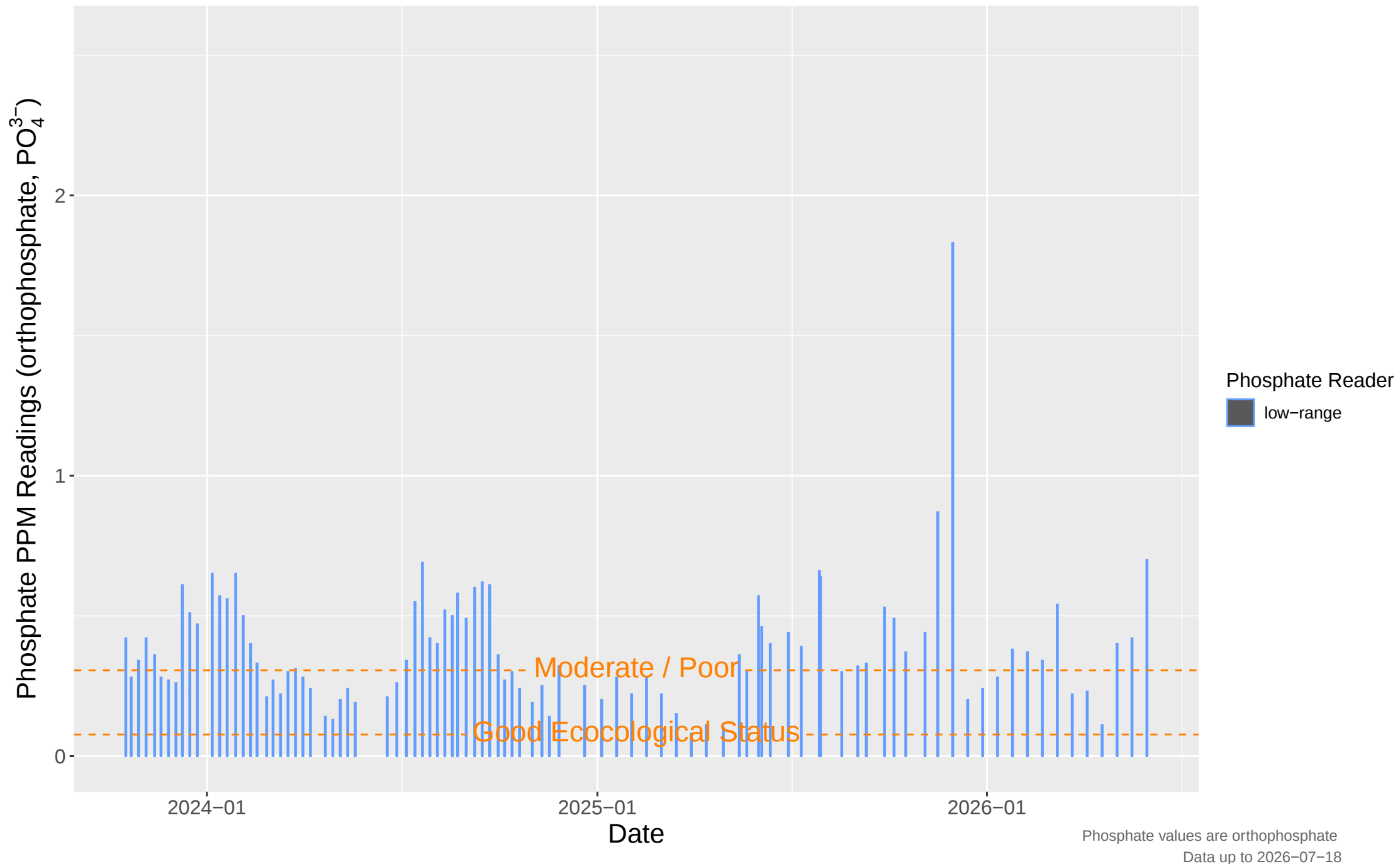
Site: Stour River – Clifford Chambers – Mill Bridge

Start Date: 2023-10-17 | Most Recent: 2026-05-31 | Total Samples: 99 | Distinct Volunteers: 1

Season	Count		Phos Min	Phos Med	Phos Max		Nitr Min	Nitr Med	Nitr Max		EC Min	EC Med	EC Max		Temp Min	Temp Med	Temp Max
Autumn 23	7		0.27	0.34	0.42		5	5	10		164	493	704		6.2	13.4	14.5
Winter 23-24	18		0.21	0.29	0.65		5	5	10		504	636	711		4.7	12.4	14.9
Spring 24	11		0.13	0.24	0.31		2	10	10		460	647	699		9.2	12.8	20.3
Summer 24	11		0.21	0.49	0.69		5	10	10		640	678	705		17.2	19.8	22.3
Autumn 24	11		0.14	0.30	0.62		5	5	10		518	624	728		8.7	13.4	21.6
Winter 24-25	5		0.20	0.25	0.28		10	10	10		490	609	666		5.1	6.1	7.8
Spring 25	7		0.08	0.15	0.36		10	10	10		636	660	686		7.7	14.2	20.3
Summer 25	8		0.30	0.45	0.66		5	5	10		662	714	753		18.6	22.8	26.7
Autumn 25	8		0.32	0.46	1.83		5	5	5		608	709	740		8.1	17.5	22.5
Winter 25-26	6		0.20	0.31	0.38		10	10	10		475	550	647		5.3	8.9	12.0
Spring 26	7		0.11	0.40	0.70		10	10	10		600	636	685		9.7	14.1	22.0

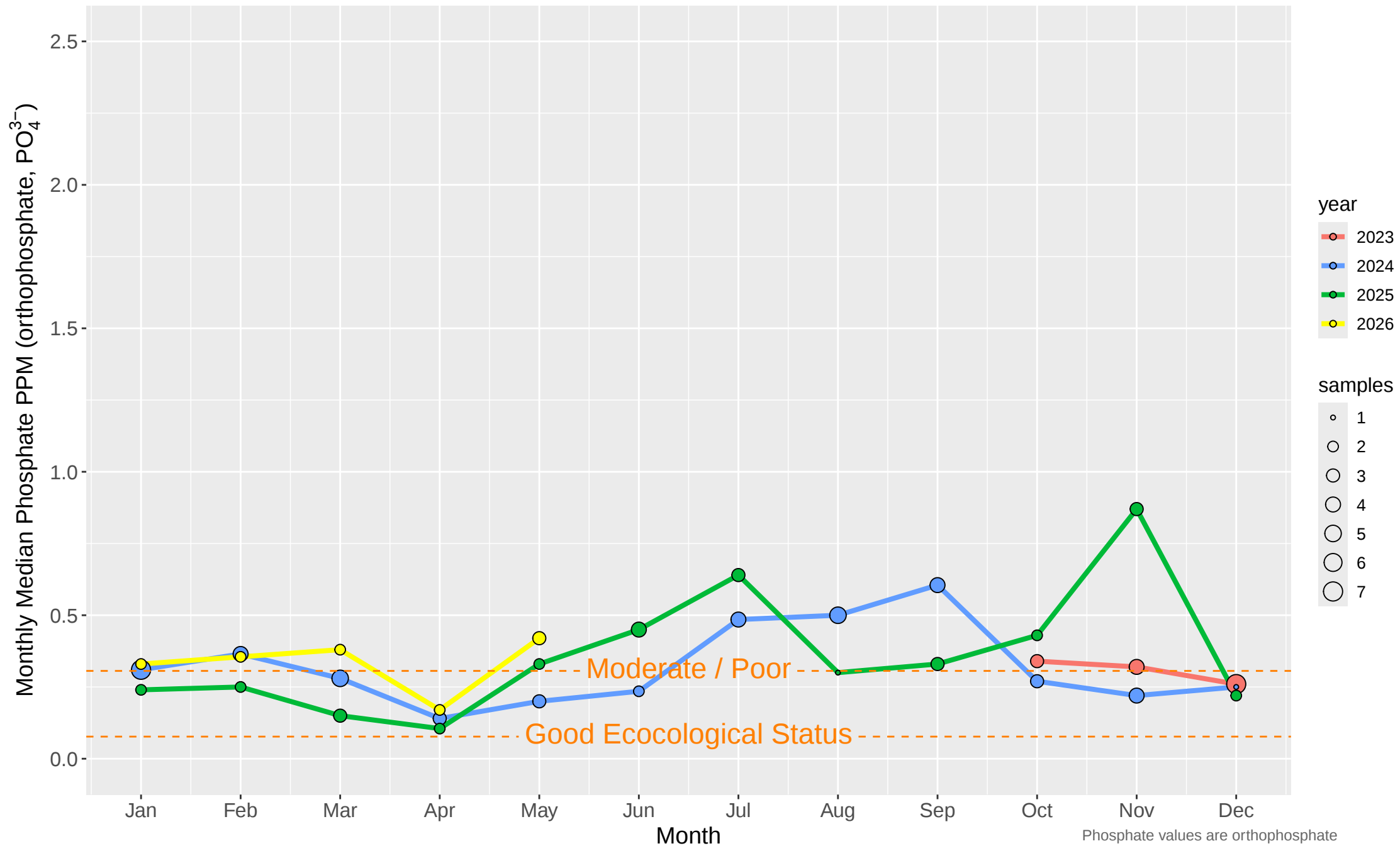
SafeAvon Phosphates – Individual Readings

Stour River – Clifford Chambers – Mill Bridge



SafeAvon Phosphates – By Month

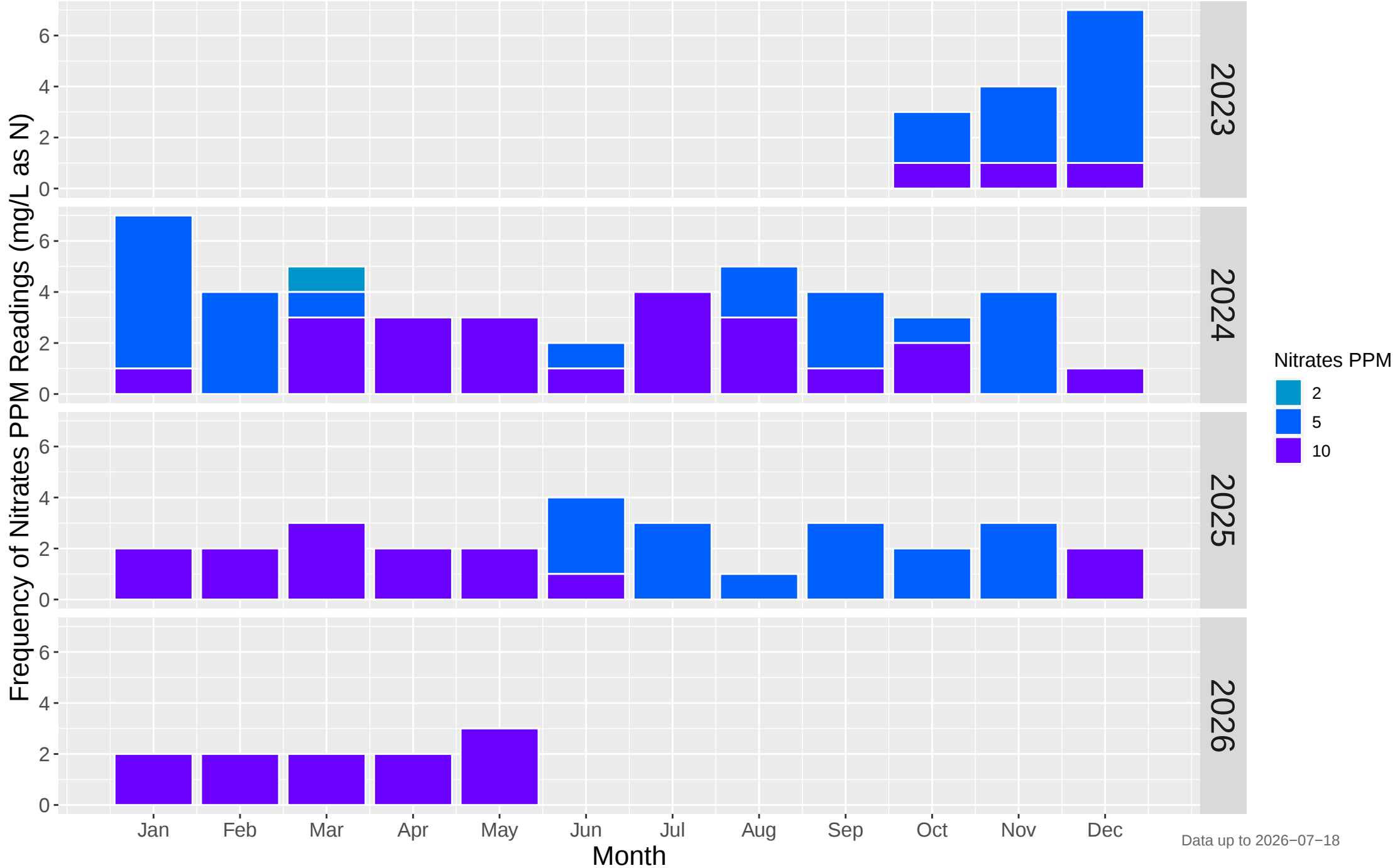
Stour River – Clifford Chambers – Mill Bridge



Phosphate values are orthophosphate
Data up to 2026-07-18

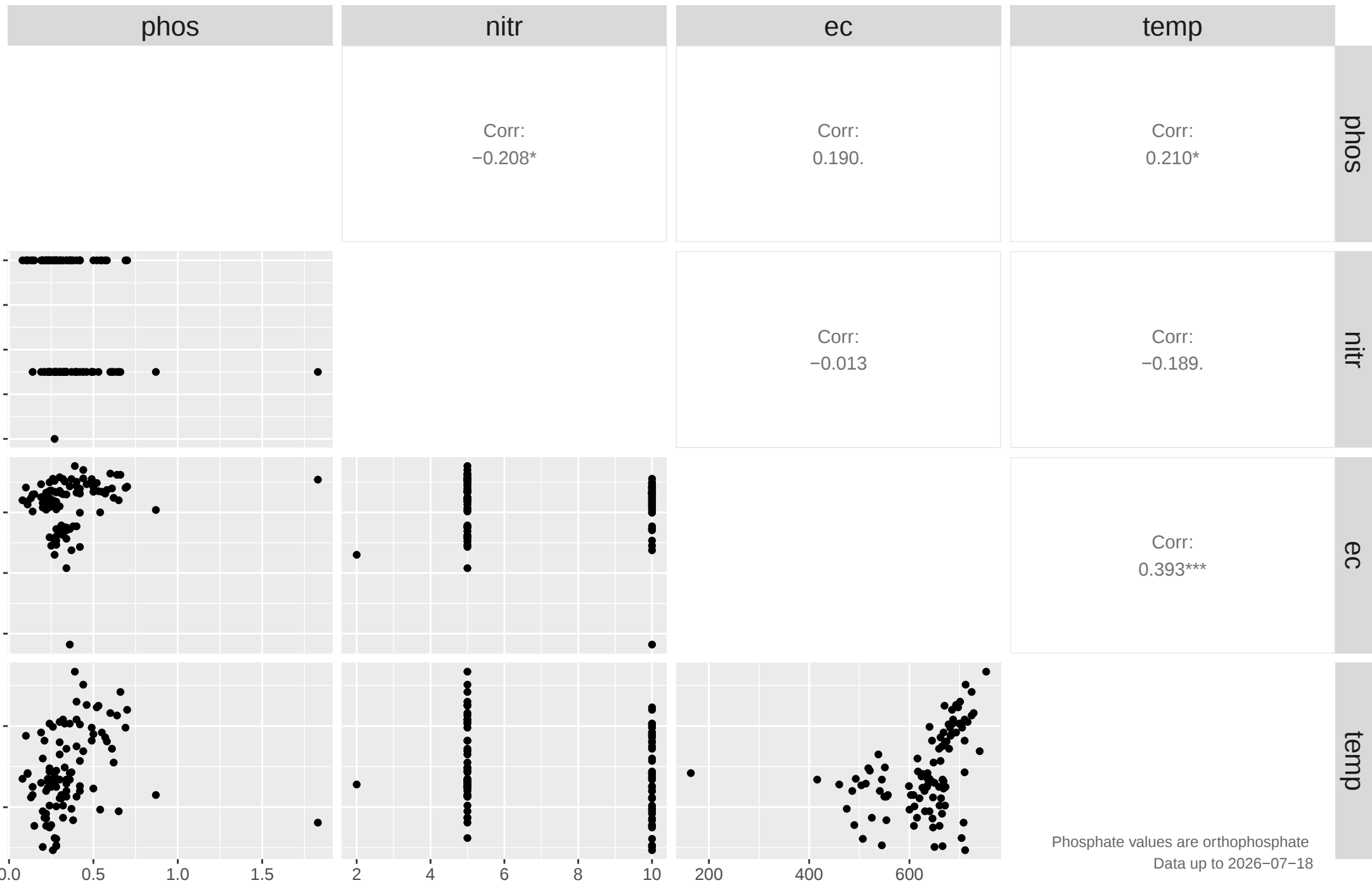
SafeAvon Nitrates By Month

Stour River – Clifford Chambers – Mill Bridge



Pairwise Testing Variables Relationships

Stour River – Clifford Chambers – Mill Bridge



Report Glossary & Interpretation Guide

Understanding the Charts

Pairwise Correlation Matrices

- . Valuation Scale (–1 to +1): Quantifies correlation between variables.
- (+1) Perfect Positive Correlation: Variables track each other; if one scales up, the other increases.
- (0) No Correlation: Variable movements appear independent.
- (–1) Perfect Negative Correlation: Variables track inversely; when one scales up, the other drops.
- . Practical Application: If a pair of variables have a correlation approaching 1, it demonstrates that typically on any given sample, these values are likely to be strongly correlated. This indicates they may share similar sources and/or similar ways of exiting out into the watercourse.

Ecological Threshold Frameworks

Phosphate Status (Orthophosphate, PO₄^{3–})

- Monitored using Hanna pocket checker:
- . High Status: $x < 0.077$ PPM
 - . Good Ecological Status: $0.077 \leq x \leq 0.306$ PPM
 - . Moderate / Poor Ecological Status: $x > 0.306$ PPM

Nitrate Levels (Nitrate-as-N)

- Monitored using WaterWorks/Hach Nitrate kit:
- . Natural Levels: $x < 1.0$ PPM
 - . Elevated Levels: $1.0 \leq x < 5.0$ PPM
 - . Excessive Levels: $x \geq 5.0$ PPM

Data Access

Data pulled from EpiCollect API.
Full dataset accessible via SafeAvon website
which has links to EpiCollect and the Google Sheet.
URL: https://safeavon.org.uk/?page_id=151