

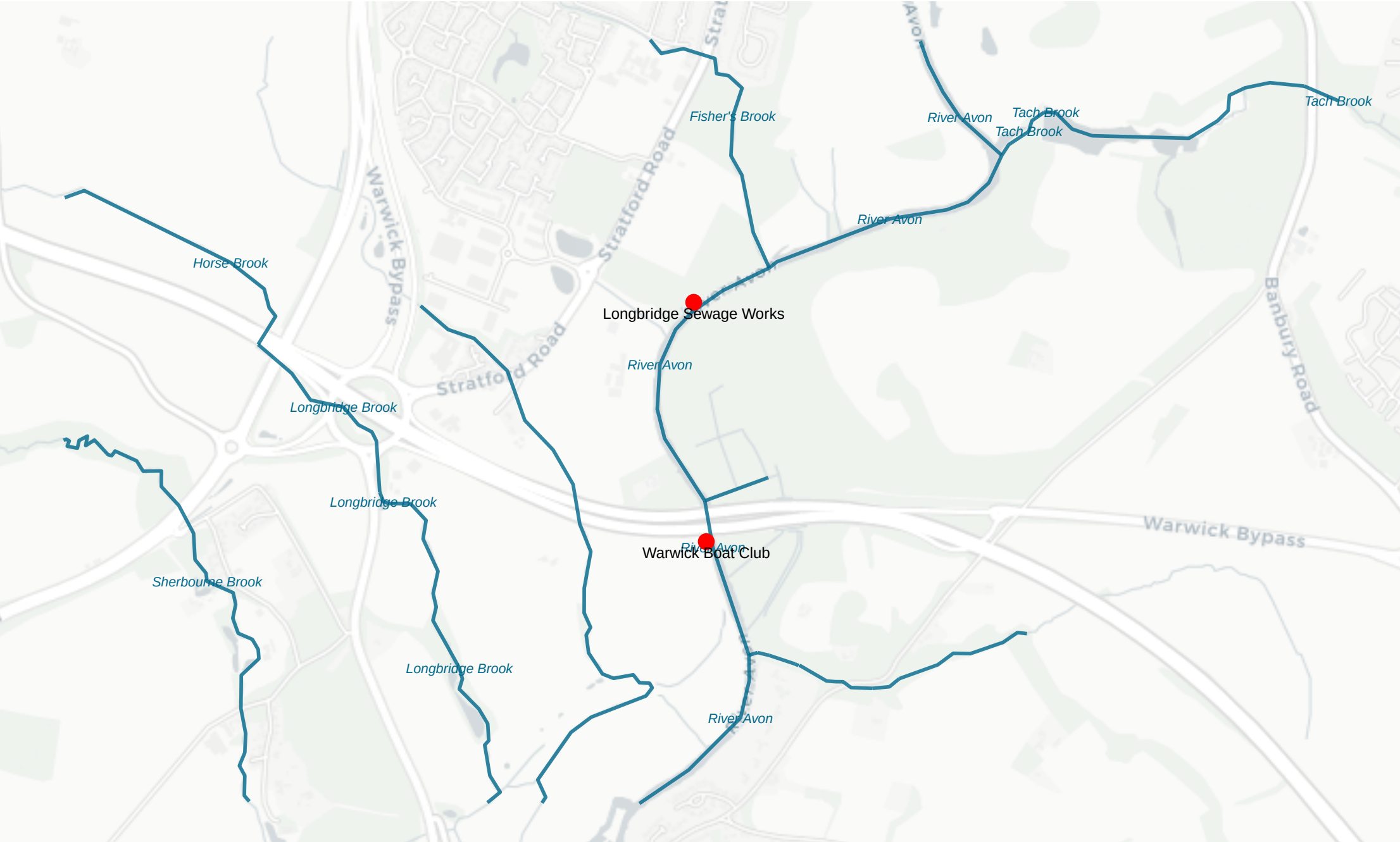
SafeAvon Nutrient Testing Report: Warwick

SafeAvon Sites By Waterway

Avon River

- . Warwick – Longbridge Sewage Works
- . Warwick – Warwick Boat Club

SafeAvon Locations in Warwick

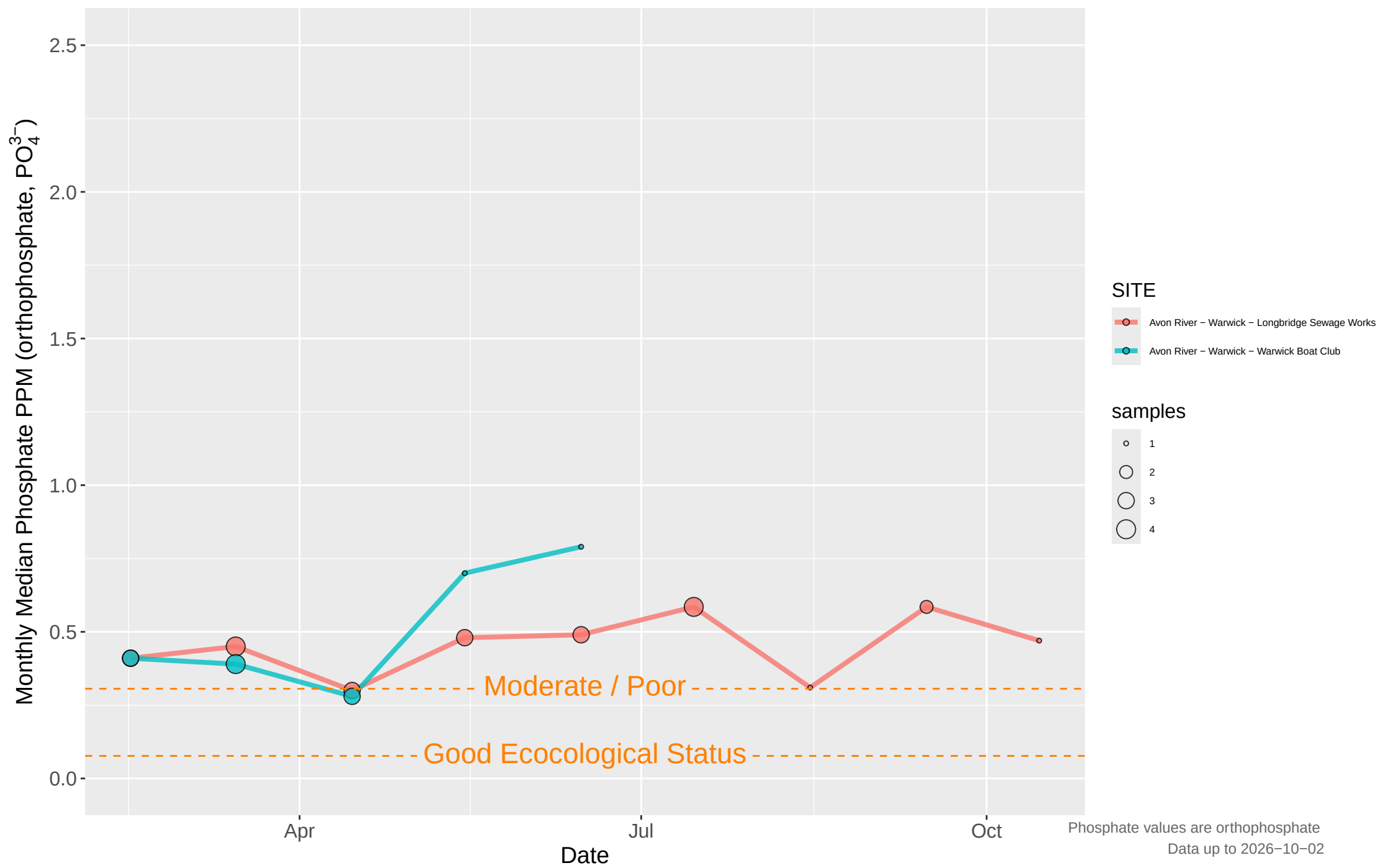


Summary for sites in Warwick

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Avon River – Warwick – Longbridge Sewage Works	2026-02-02	2026-10-01	24	2	0.475	10
Avon River – Warwick – Warwick Boat Club	2026-02-02	2026-06-26	12	1	0.380	10

SafeAvon Phosphates – By Month

Warwick



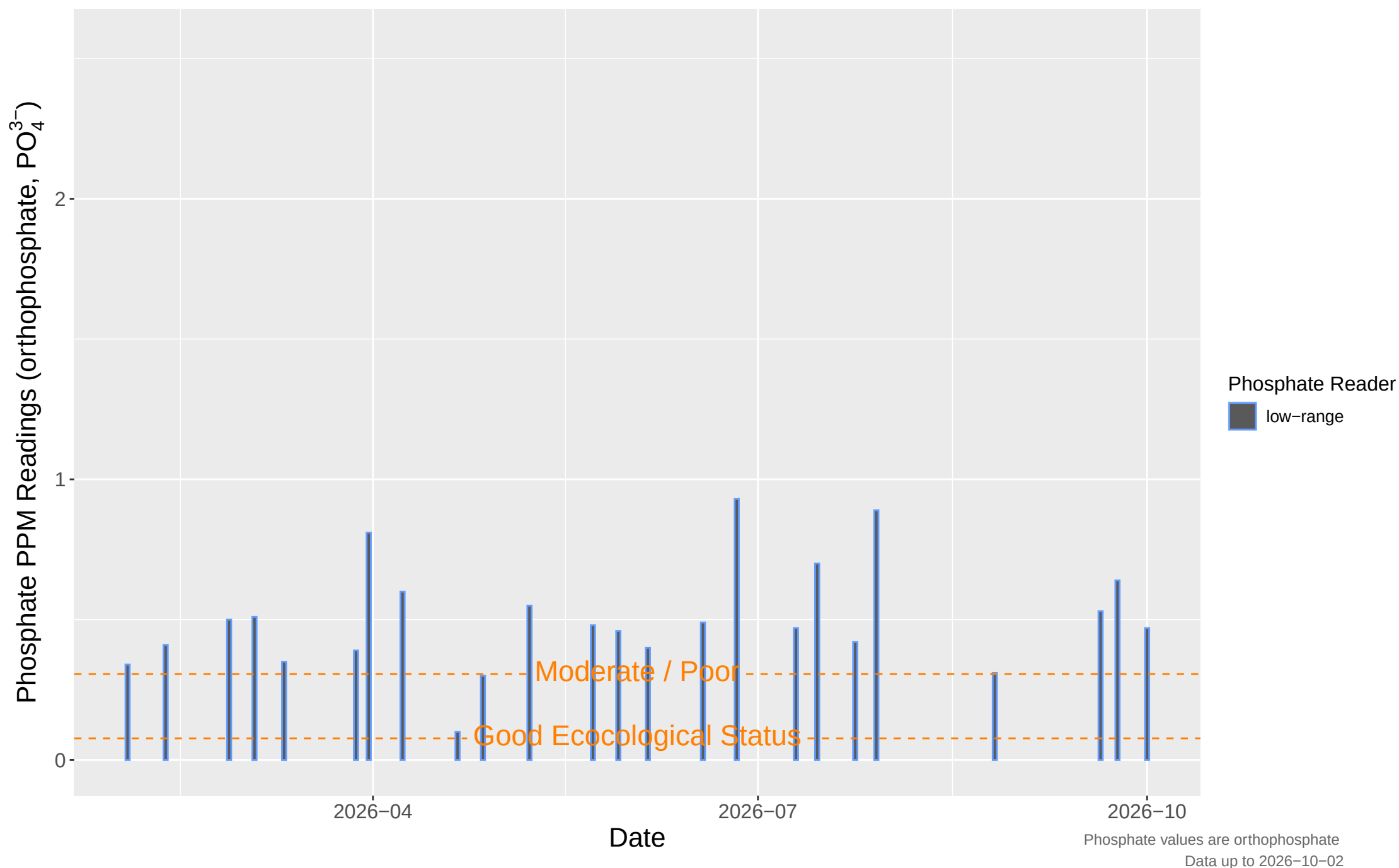
Site: Avon River – Warwick – Longbridge Sewage Works

Start Date: 2026-02-02 | Most Recent: 2026-10-01 | Total Samples: 24 | Distinct Volunteers: 2

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
Winter 25–26	3		0.34	0.41	0.50		10	10	10		266	316	349		8.5	9.5	12.4
Spring 26	10		0.10	0.47	0.81		1	15	20		315	430	466		11.3	15.2	20.5
Summer 26	8		0.31	0.48	0.93		10	15	20		72	459	490		18.1	22.1	26.2
Autumn 26	3		0.47	0.53	0.64		10	20	20		449	489	492		17.4	18.1	18.8

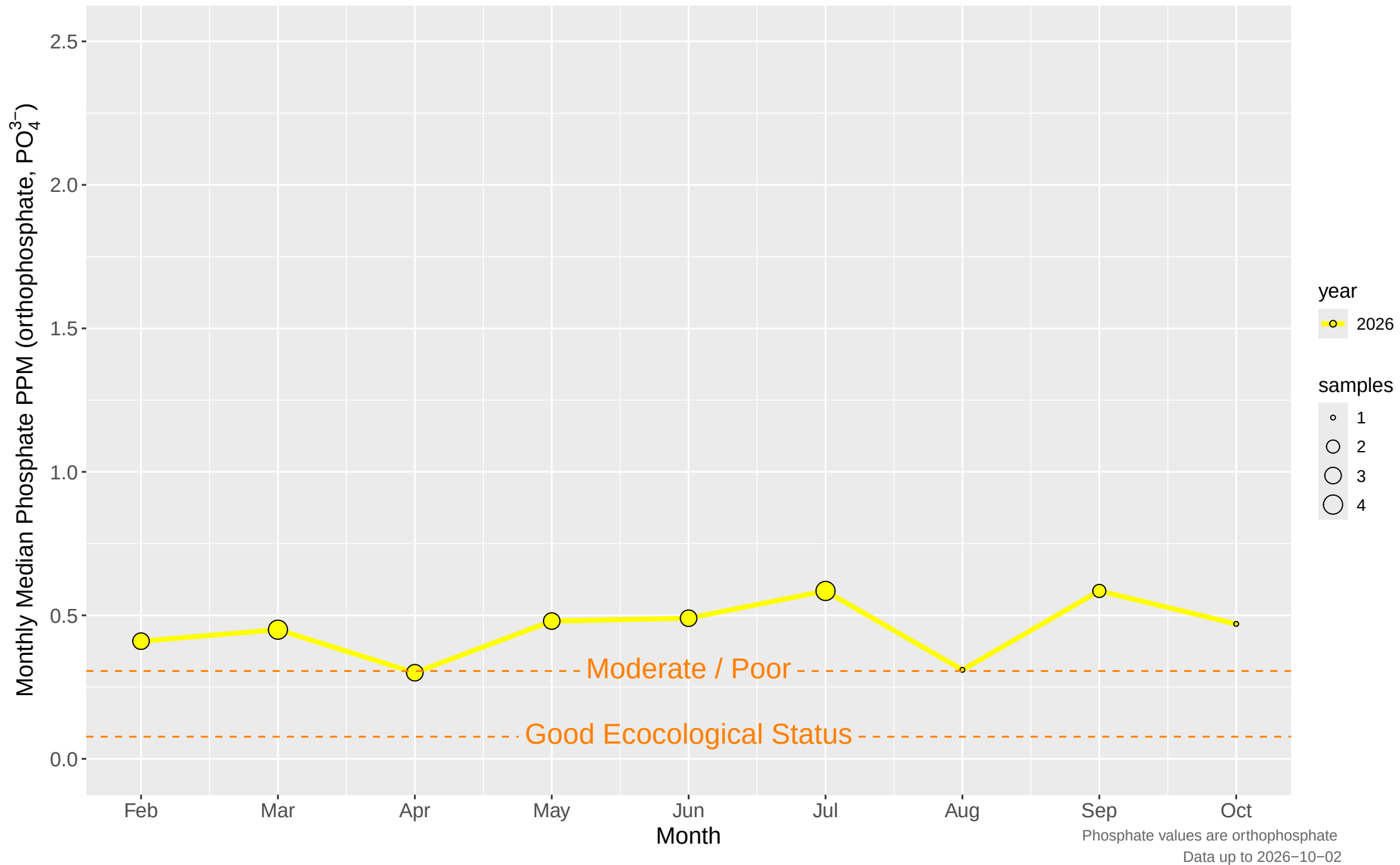
SafeAvon Phosphates – Individual Readings

Avon River – Warwick – Longbridge Sewage Works



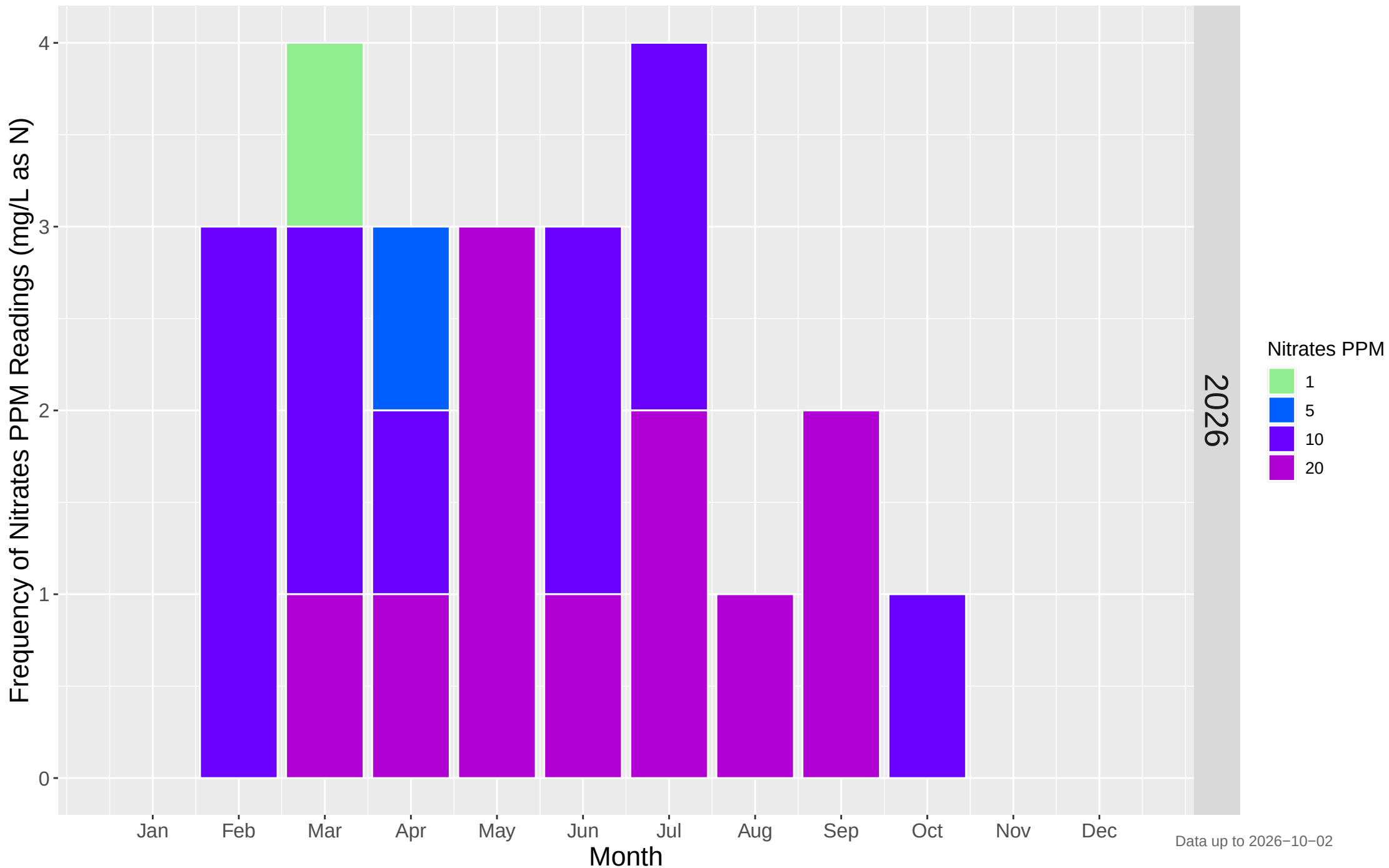
SafeAvon Phosphates – By Month

Avon River – Warwick – Longbridge Sewage Works



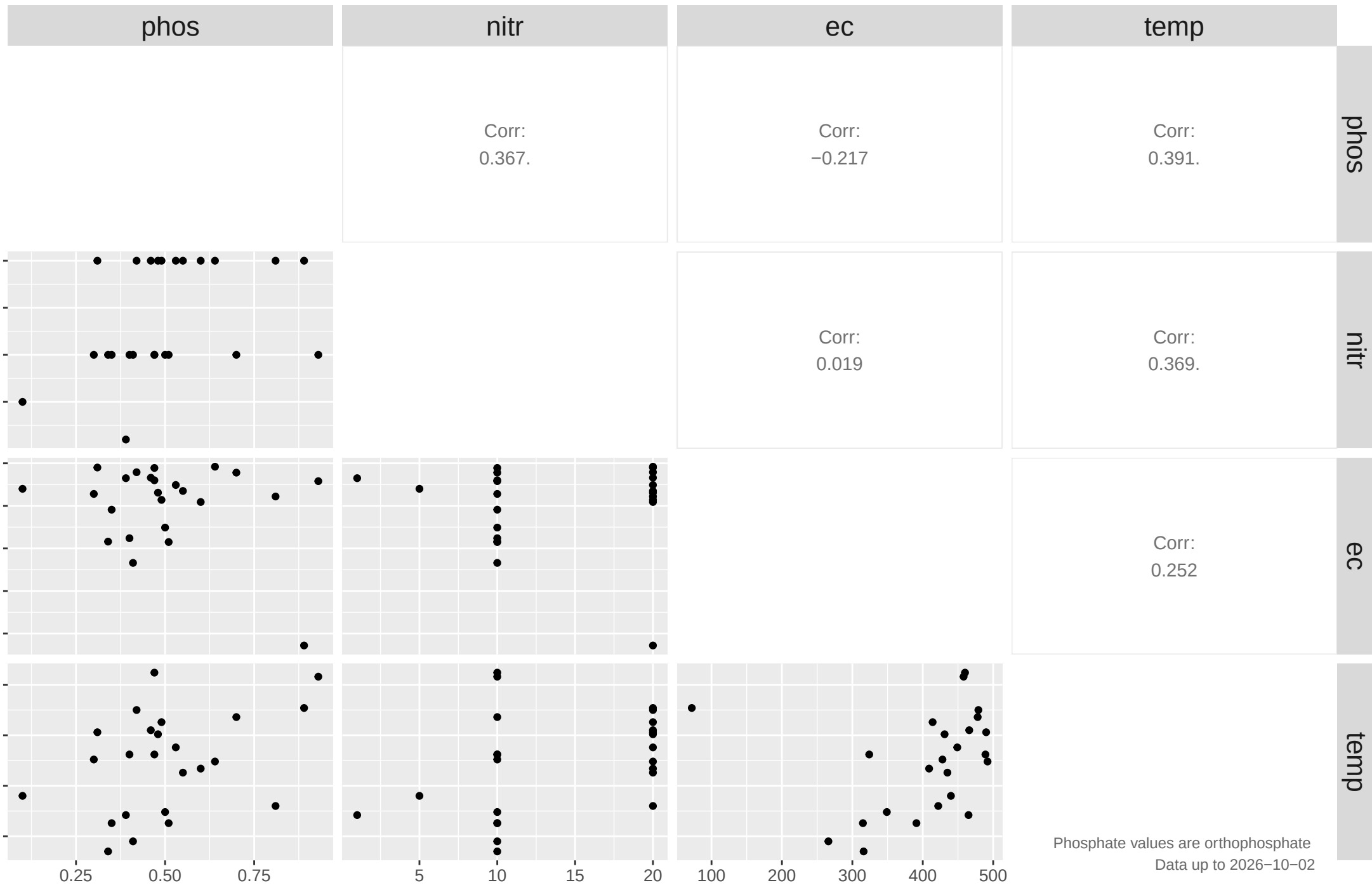
SafeAvon Nitrates By Month

Avon River – Warwick – Longbridge Sewage Works



Pairwise Testing Variables Relationships

Avon River – Warwick – Longbridge Sewage Works



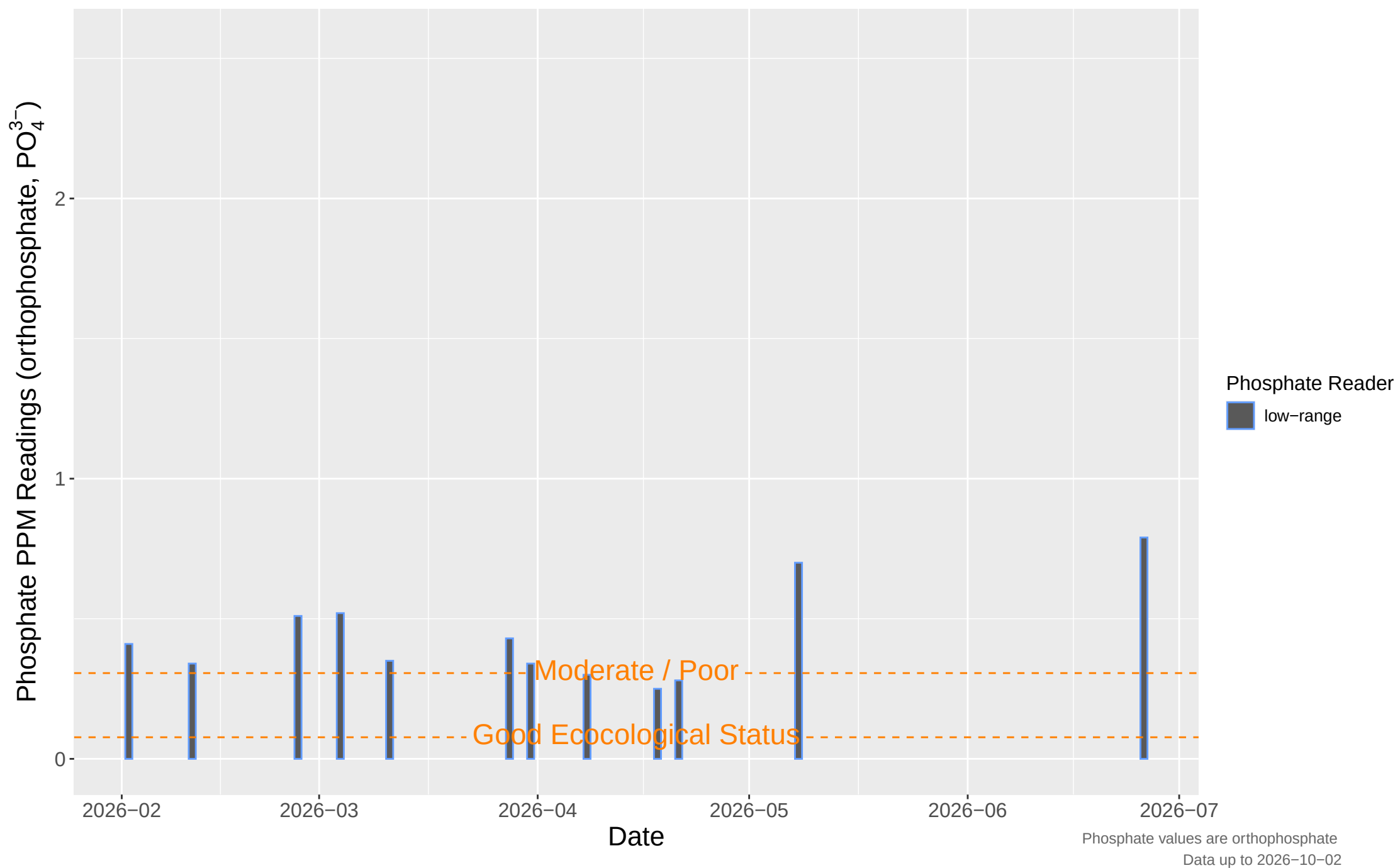
Site: Avon River – Warwick – Warwick Boat Club

Start Date: 2026-02-02 | Most Recent: 2026-06-26 | Total Samples: 12 | 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
Winter 25-26	3		0.34	0.41	0.51		5	10	10		276	327	351		8.3	10.0	11.5
Spring 26	8		0.25	0.34	0.70		1	10	20		321	416	453		10.8	13.1	16.3
Summer 26	1		0.79	0.79	0.79		20	20	20		476	476	476		25.8	25.8	25.8

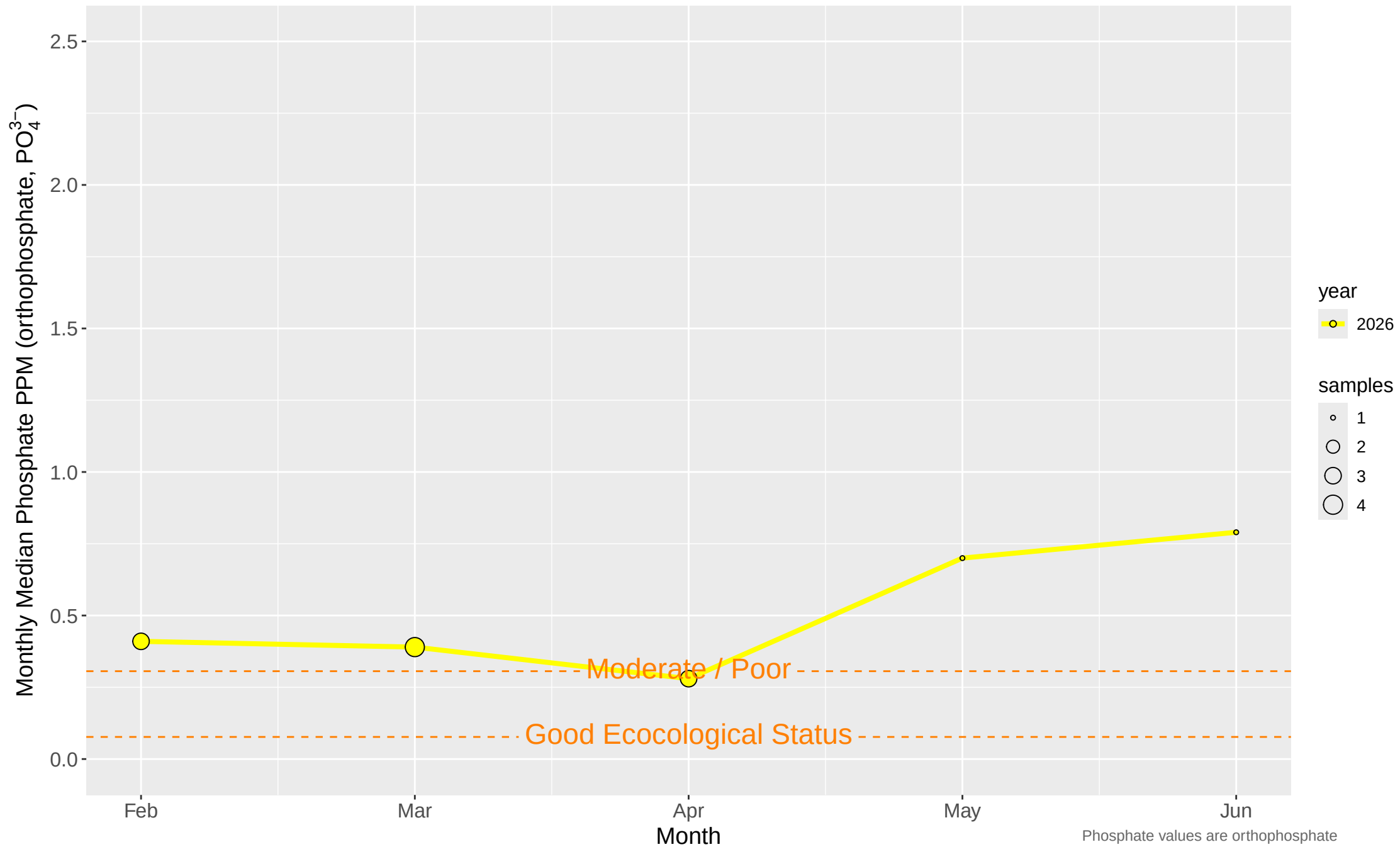
SafeAvon Phosphates – Individual Readings

Avon River – Warwick – Warwick Boat Club



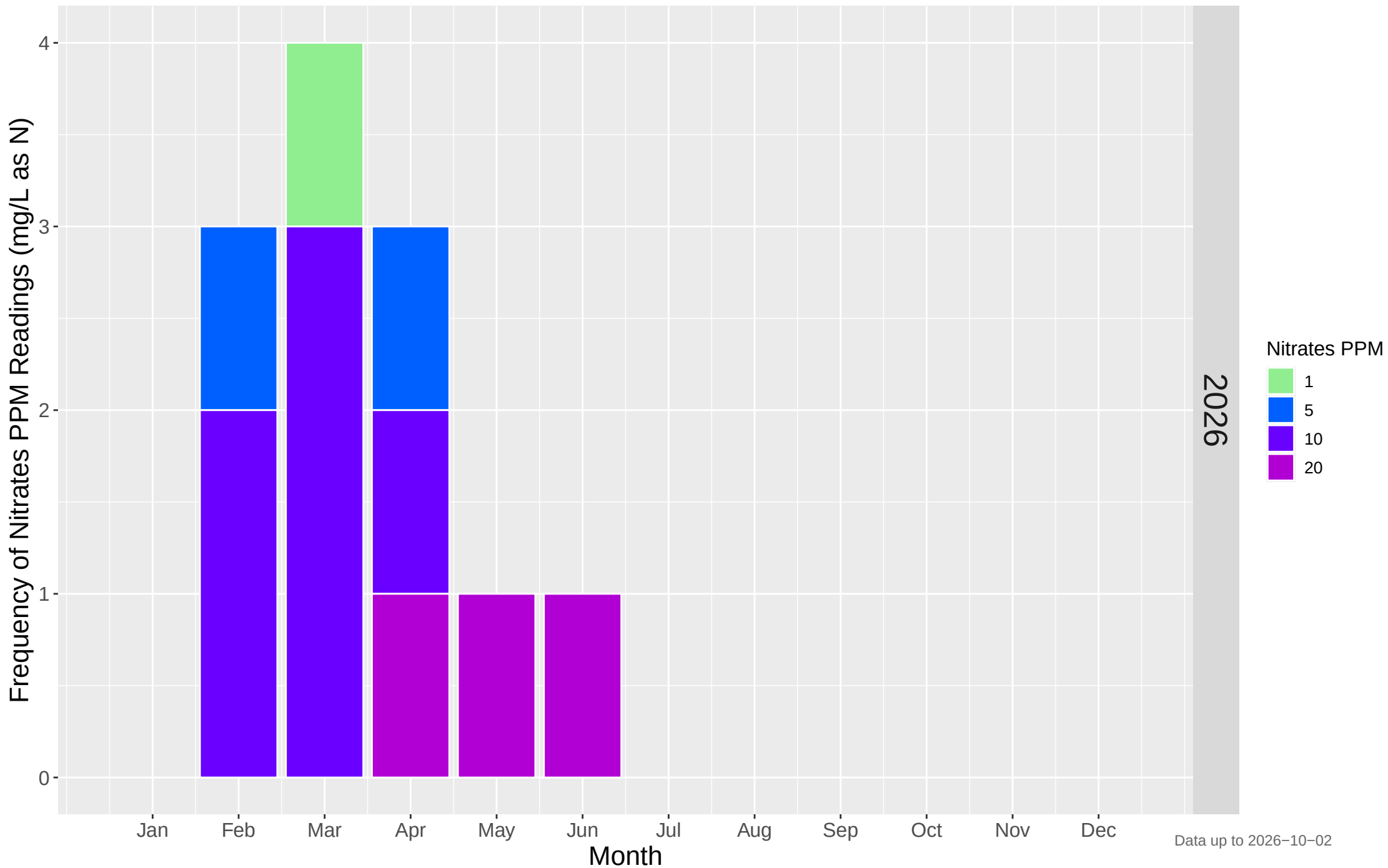
SafeAvon Phosphates – By Month

Avon River – Warwick – Warwick Boat Club



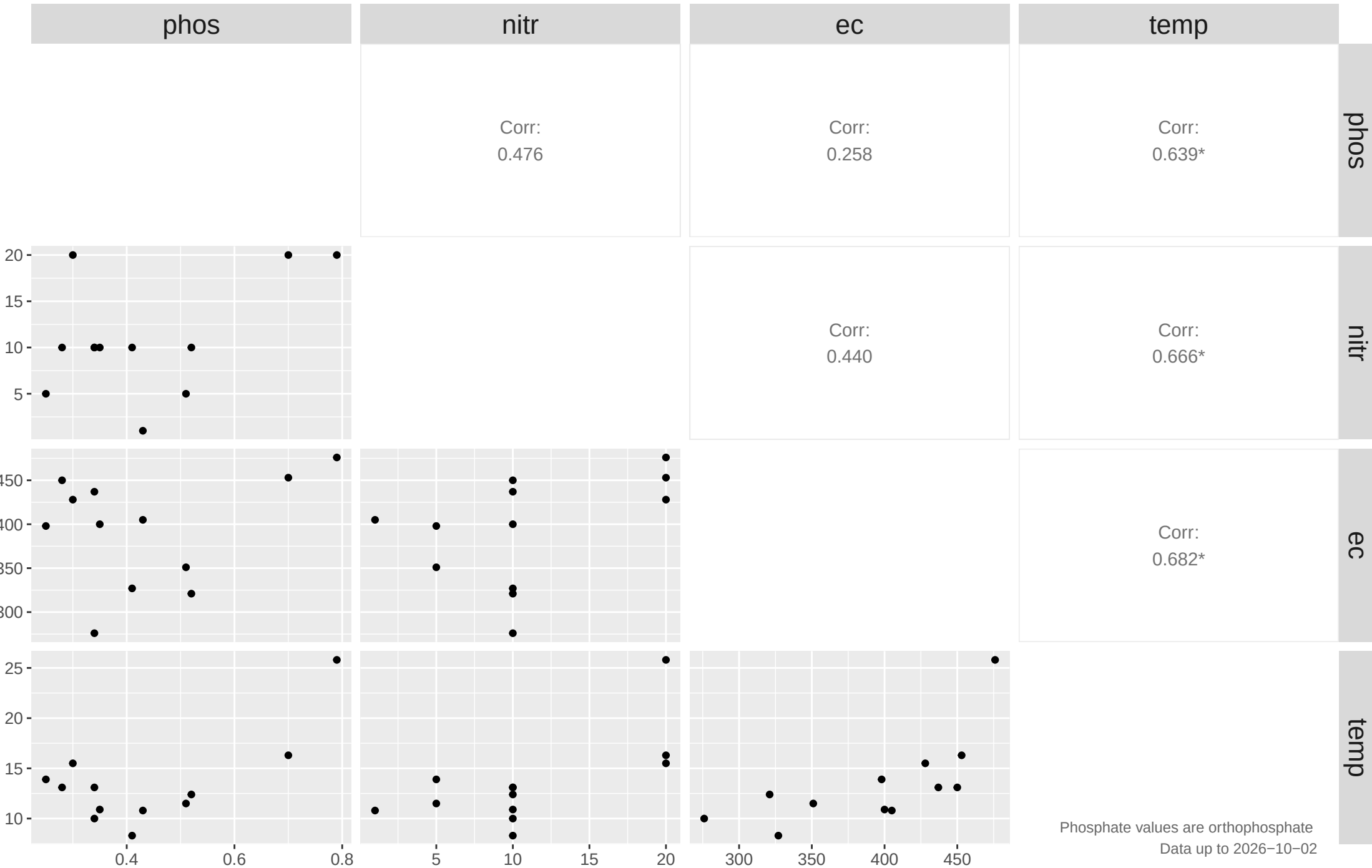
SafeAvon Nitrates By Month

Avon River – Warwick – Warwick Boat Club



Pairwise Testing Variables Relationships

Avon River – Warwick – Warwick Boat Club



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