

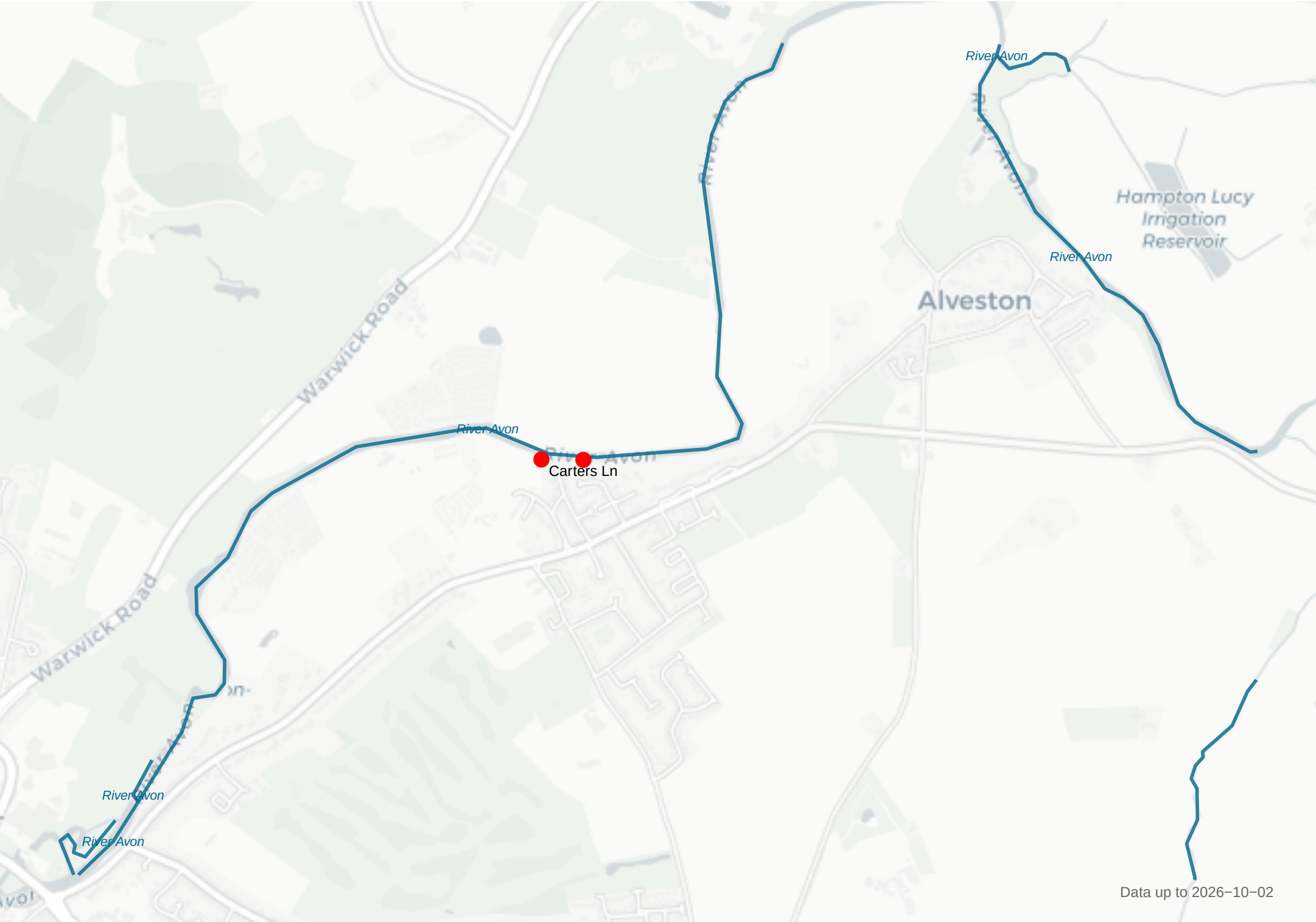
SafeAvon Nutrient Testing Report: Tiddington

SafeAvon Sites By Waterway

Avon River

- . Tiddington – Carters Ln
- . Tiddington – School Ln

SafeAvon Locations in Tiddington

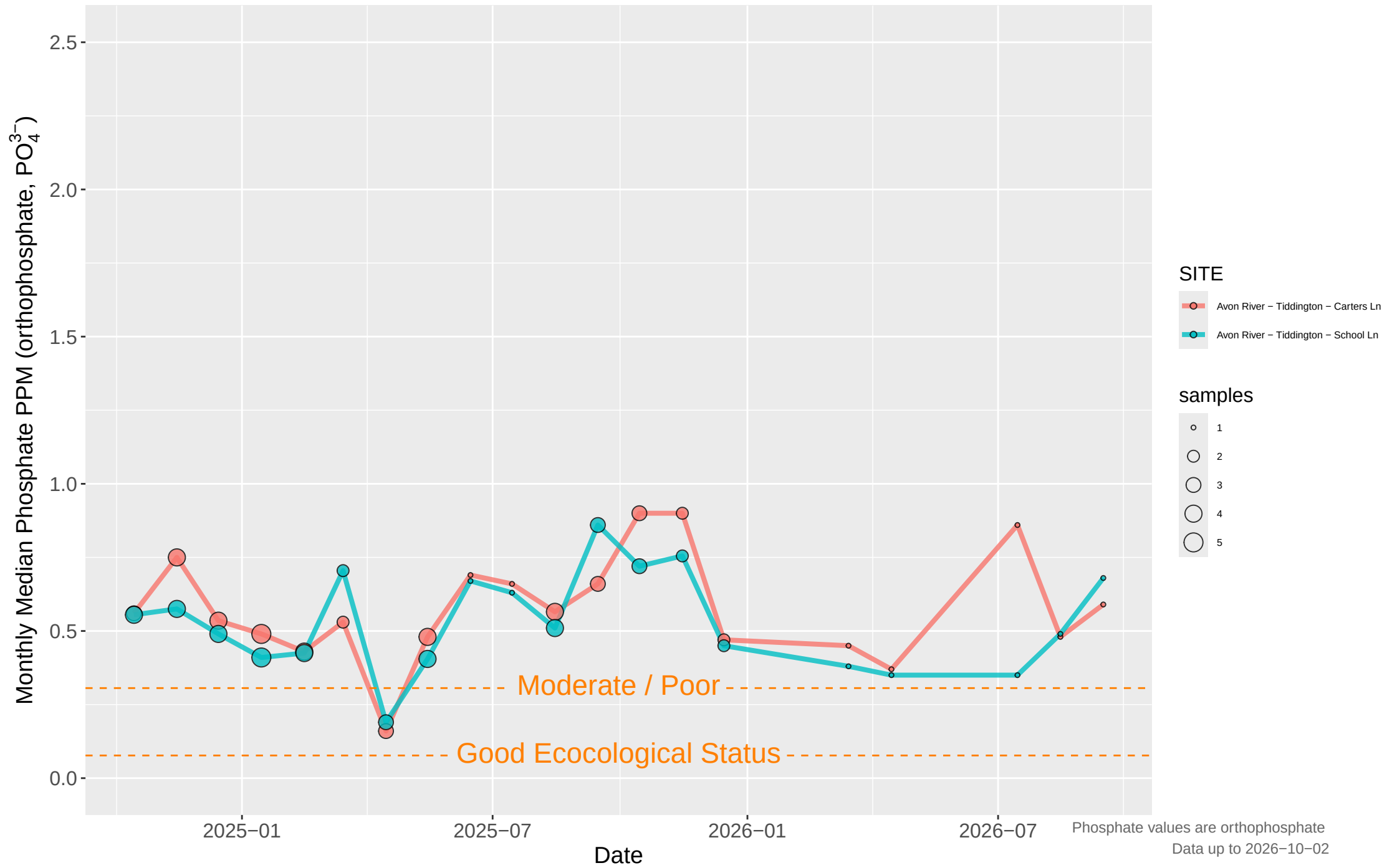


Summary for sites in Tiddington

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Avon River – Tiddington – Carters Ln	2024-10-14	2026-09-09	51	2	0.55	10
Avon River – Tiddington – School Ln	2024-10-07	2026-09-09	52	3	0.50	10

SafeAvon Phosphates – By Month

Tiddington

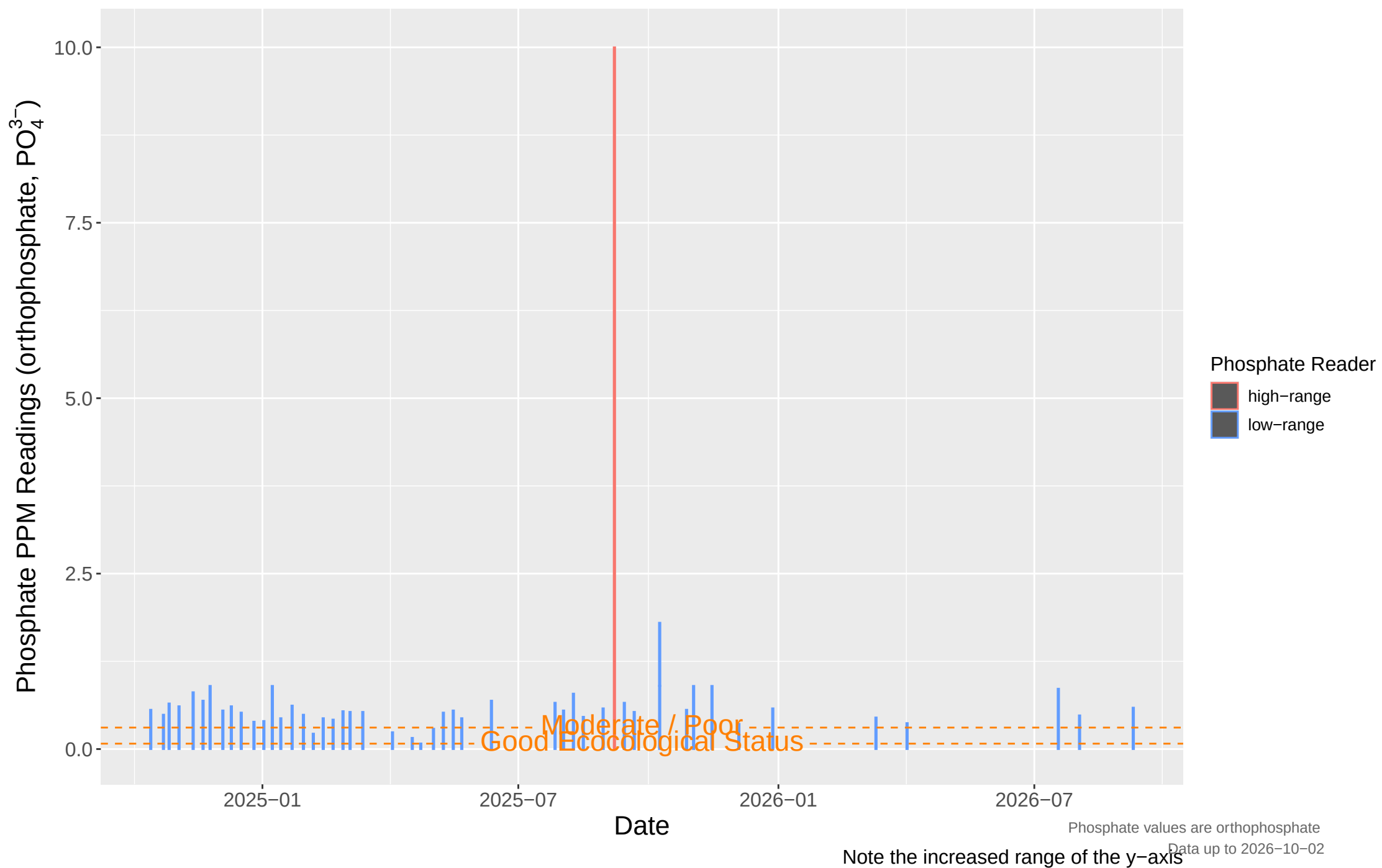


Site: Avon River – Tiddington – Carters Ln

Start Date: 2024-10-14 | Most Recent: 2026-09-09 | Total Samples: 51 | Distinct Volunteers: 2

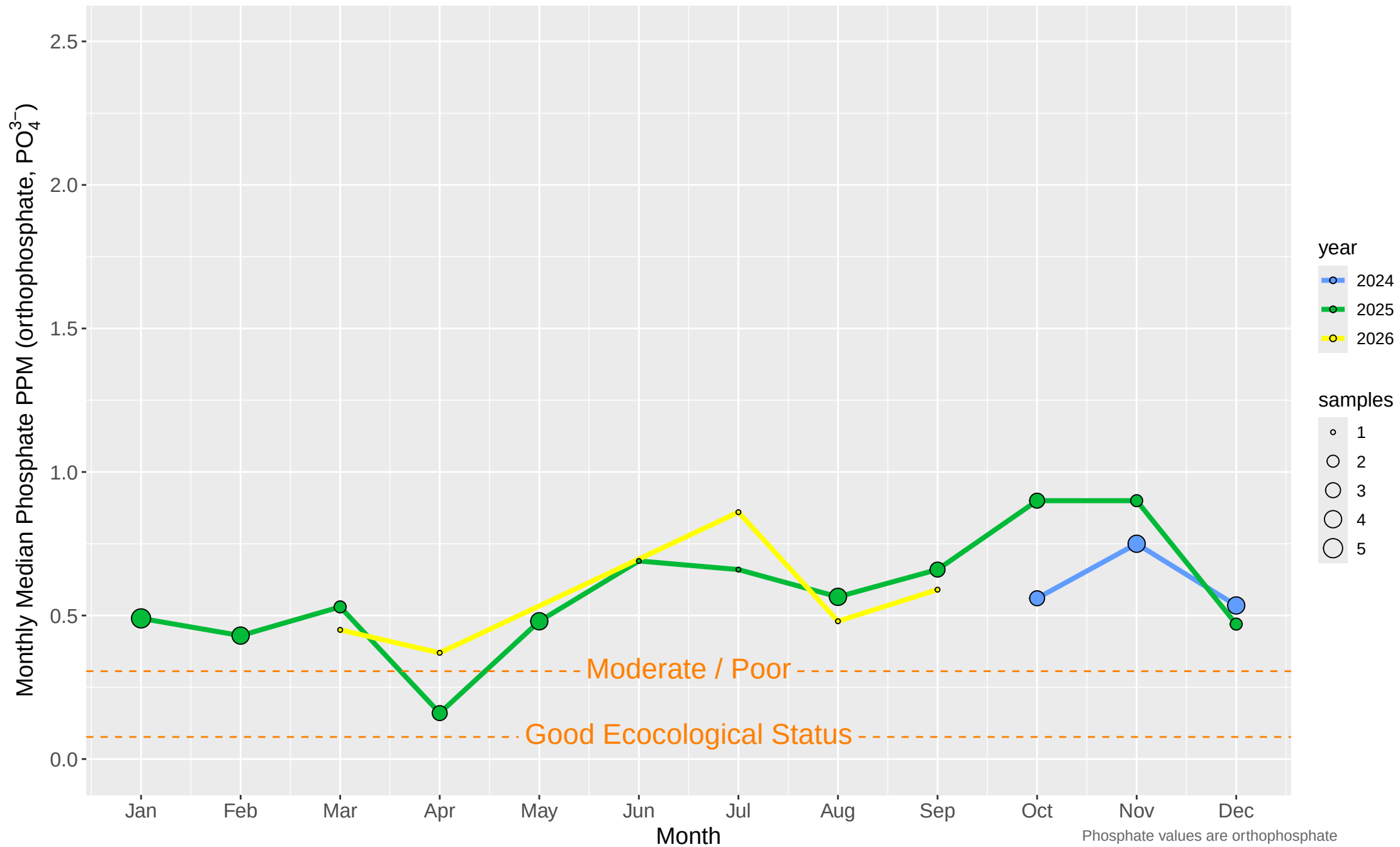
Season	Count		Phos Min	Phos Med	Phos Max		Nitr Min	Nitr Med	Nitr Max		EC Min	EC Med	EC Max		Temp Min	Temp Med	Temp Max
Autumn 24	7		0.49	0.65	0.90		0	10	50		490	731	988		5.5	12.3	14.1
Winter 24-25	13		0.22	0.49	0.90		0	10	10		305	783	875		3.7	6.8	9.8
Spring 25	9		0.08	0.44	0.55		0	10	50		100	106	994		7.3	13.0	19.0
Summer 25	7		0.46	0.62	0.79		10	20	50		873	1040	1070		17.5	18.5	19.8
Autumn 25	8		0.53	0.90	10.00		0	20	50		424	860	968		11.8	13.8	18.4
Winter 25-26	2		0.36	0.47	0.58		10	10	10		678	718	758		6.8	7.8	8.7
Spring 26	2		0.37	0.41	0.45		10	15	20		753	824	895		10.8	12.2	13.6
Summer 26	2		0.48	0.67	0.86		10	15	20		101	102	103		21.6	22.0	22.5
Autumn 26	1		0.59	0.59	0.59		0	0	0		856	856	856		15.7	15.7	15.7

Avon River – Tiddington – Carters Ln



SafeAvon Phosphates – By Month

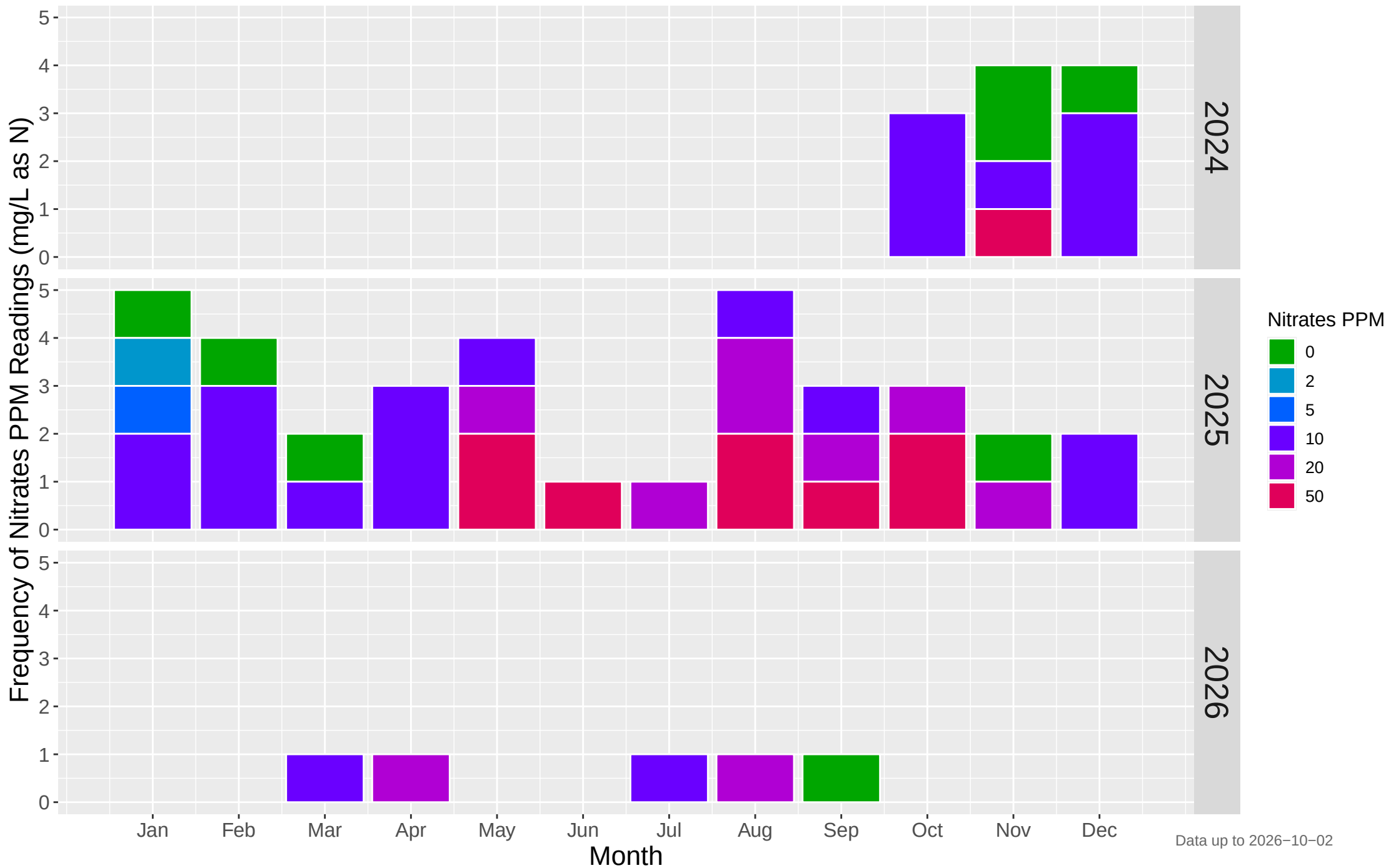
Avon River – Tiddington – Carters Ln



Phosphate values are orthophosphate
Data up to 2026-10-02
Note the increased range of the y-axis

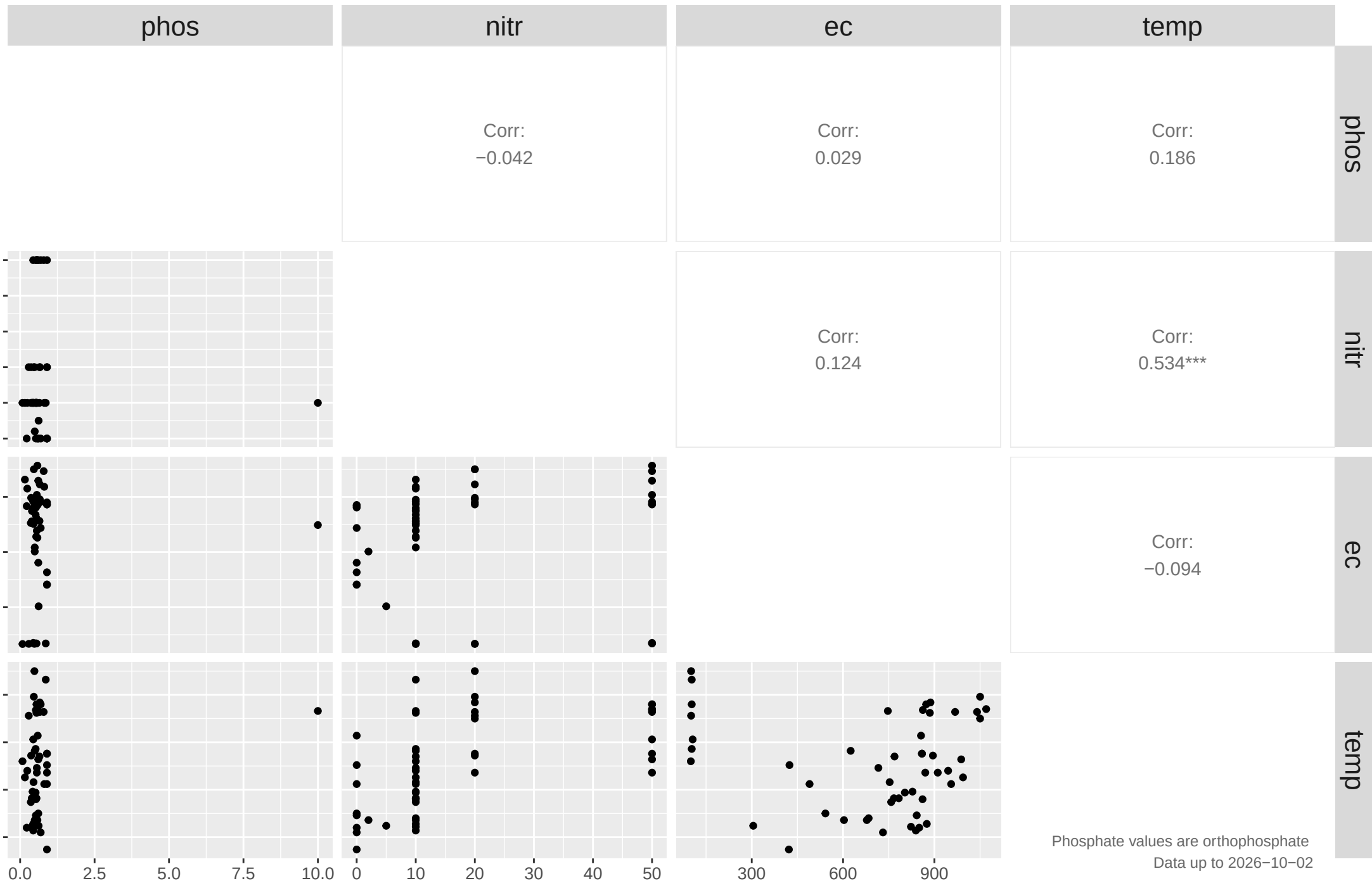
SafeAvon Nitrates By Month

Avon River – Tiddington – Carters Ln



Pairwise Testing Variables Relationships

Avon River – Tiddington – Carters Ln



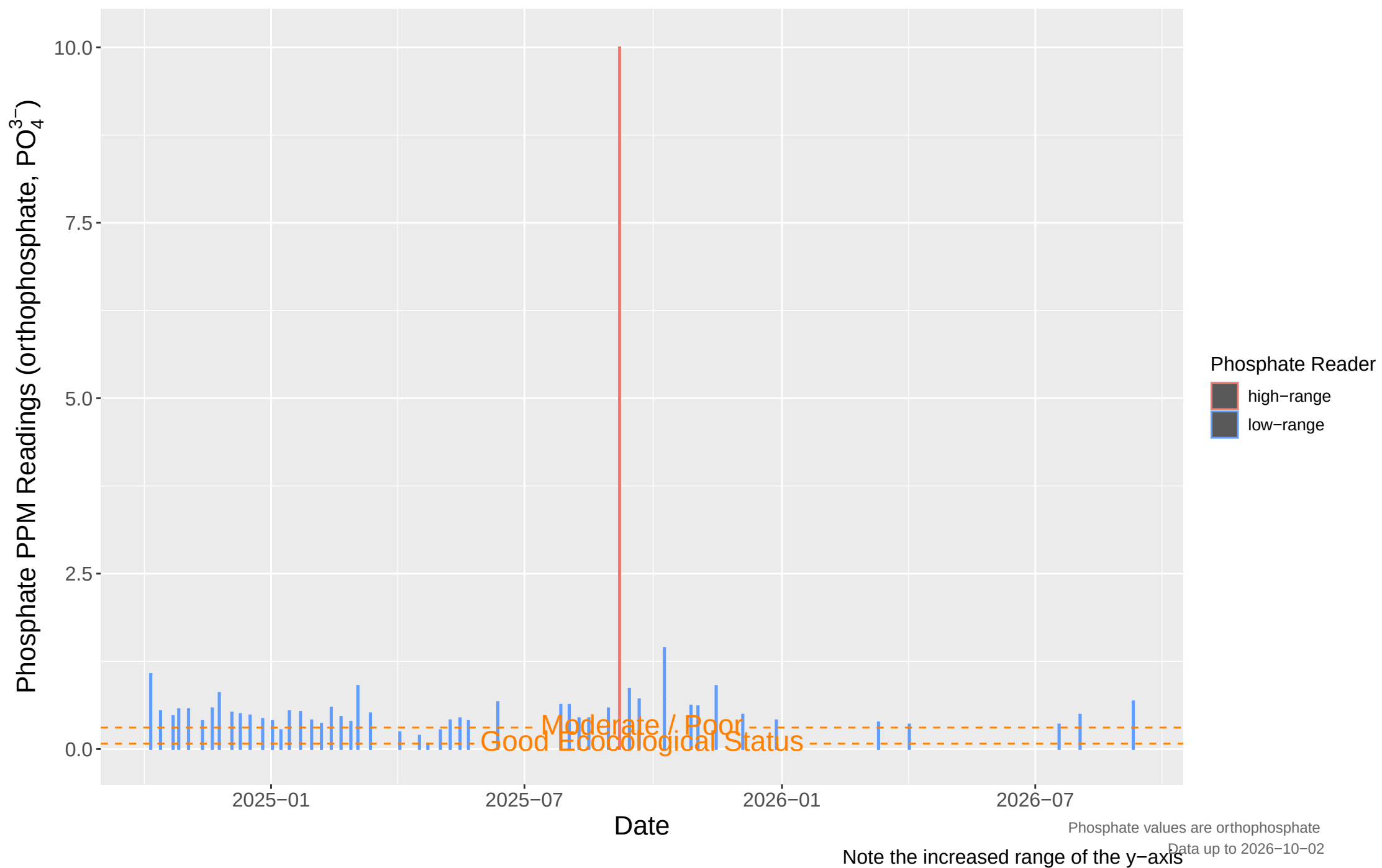
Site: Avon River – Tiddington – School Ln

Start Date: 2024-10-07 | Most Recent: 2026-09-09 | Total Samples: 52 | Distinct Volunteers: 3

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 24	8		0.40	0.57	1.07		0	10	50		495	730	980		7.1	12.5	14.5
Winter 24–25	13		0.27	0.46	0.59		0	10	10		305	784	866		3.7	7.1	9.5
Spring 25	9		0.08	0.40	0.90		5	10	50		100	106	991		6.2	13.0	18.5
Summer 25	7		0.44	0.60	0.67		10	20	50		860	970	1080		17.5	19.1	19.7
Autumn 25	8		0.61	0.72	10.00		0	35	50		421	868	964		11.3	12.8	18.3
Winter 25–26	2		0.41	0.45	0.49		10	10	10		681	721	761		6.8	7.8	8.7
Spring 26	2		0.35	0.36	0.38		10	15	20		770	802	833		12.2	12.2	12.2
Summer 26	2		0.35	0.42	0.49		10	15	20		103	103	103		22.3	22.4	22.4
Autumn 26	1		0.68	0.68	0.68		10	10	10		745	745	745		16.8	16.8	16.8

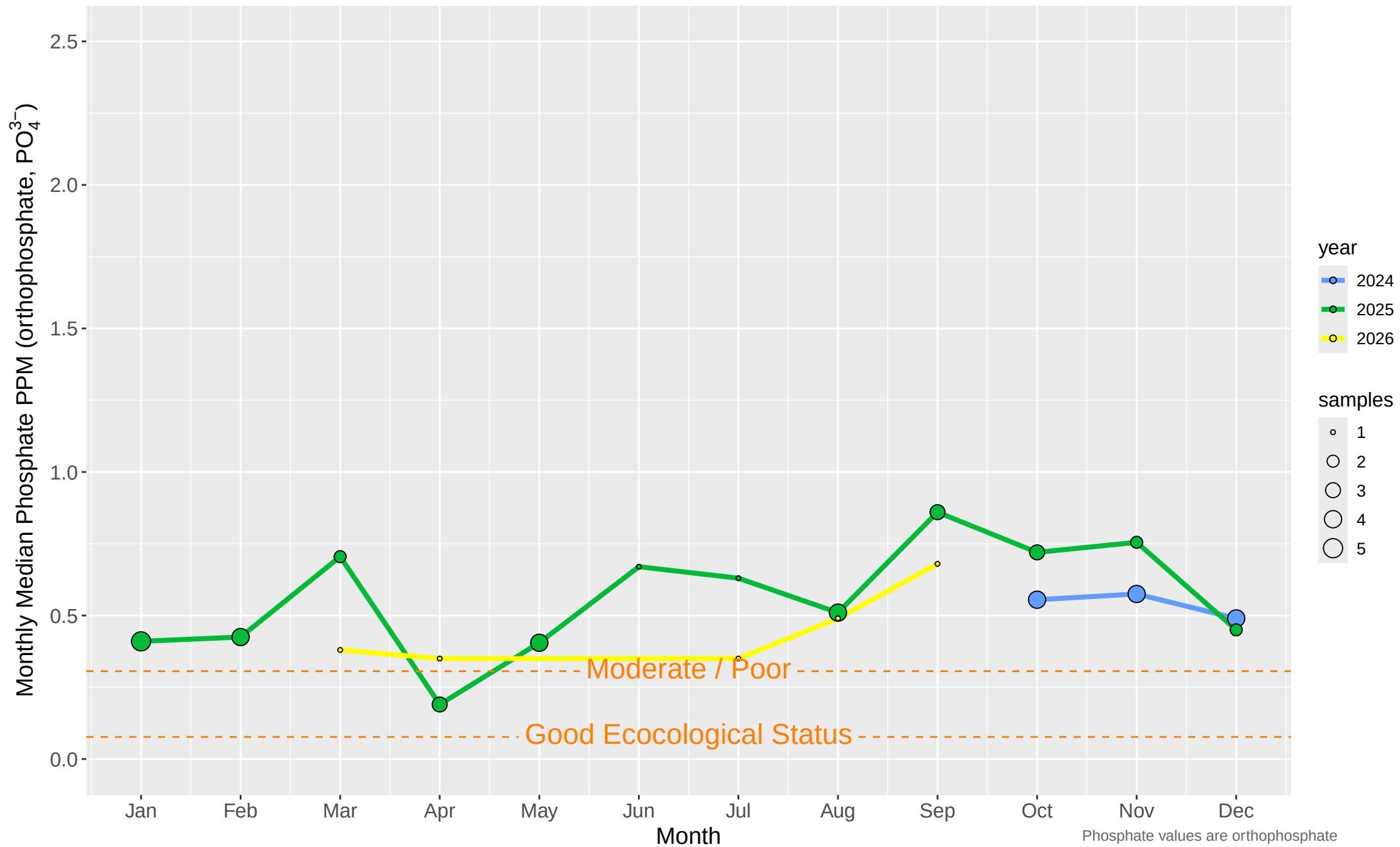
SafeAvon Phosphates – Individual Readings

Avon River – Tiddington – School Ln



SafeAvon Phosphates – By Month

Avon River – Tiddington – School Ln

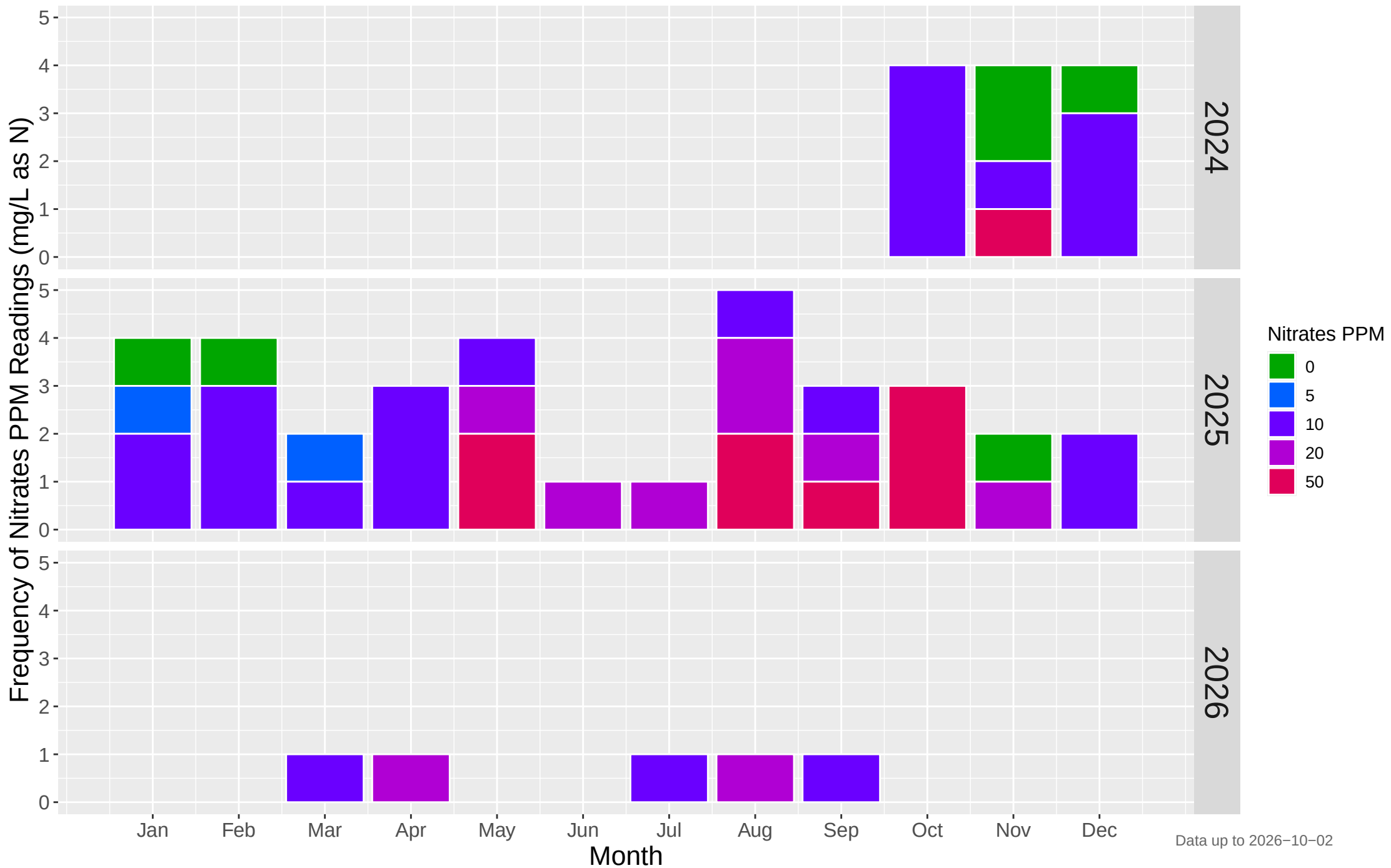


Phosphate values are orthophosphate

Note the increased range of the y-axis
Data up to 2026-10-02

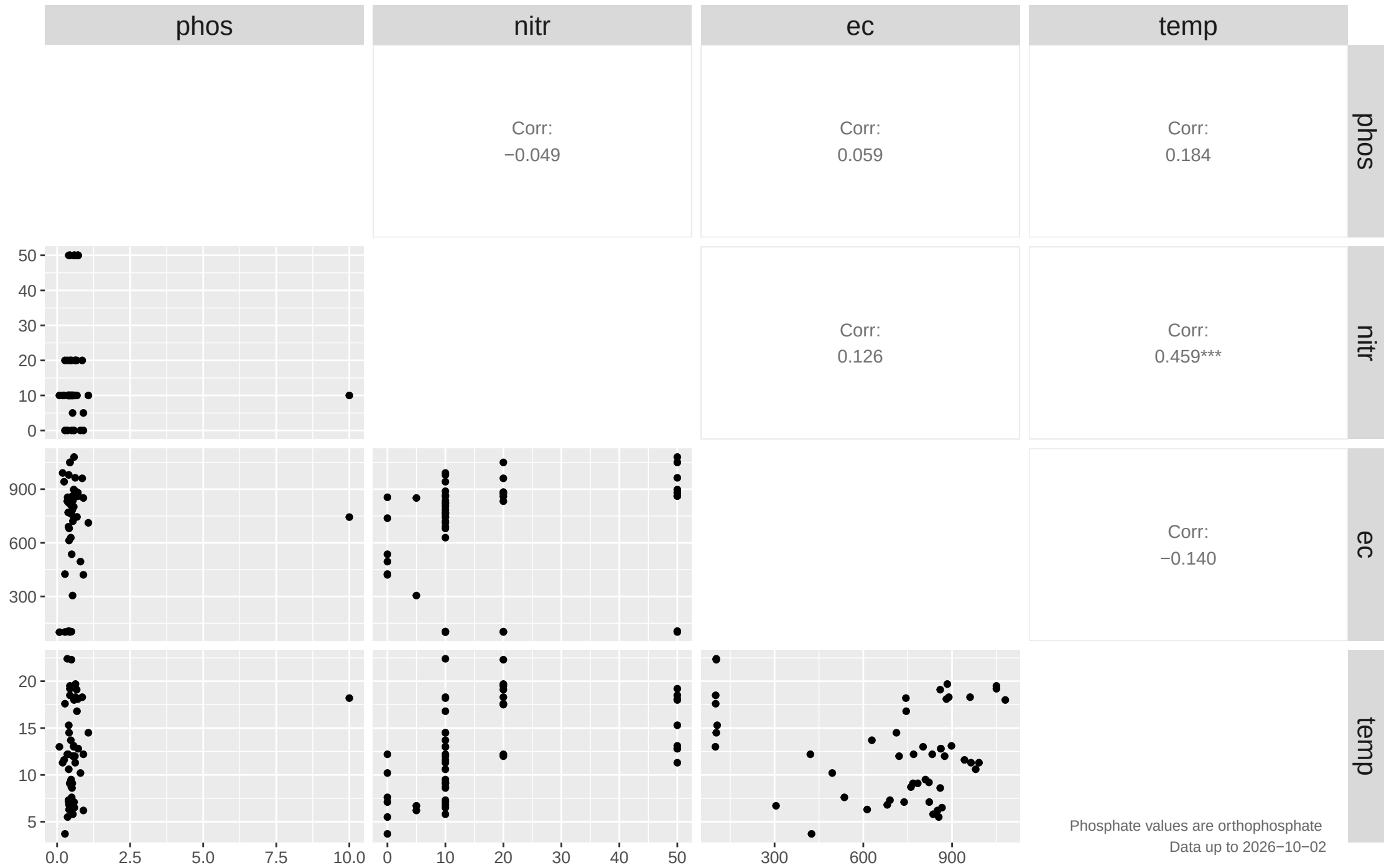
SafeAvon Nitrates By Month

Avon River – Tiddington – School Ln



Pairwise Testing Variables Relationships

Avon River – Tiddington – School Ln



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