

SafeAvon Nutrient Testing Report: Henley-in-Arden

SafeAvon Sites By Waterway

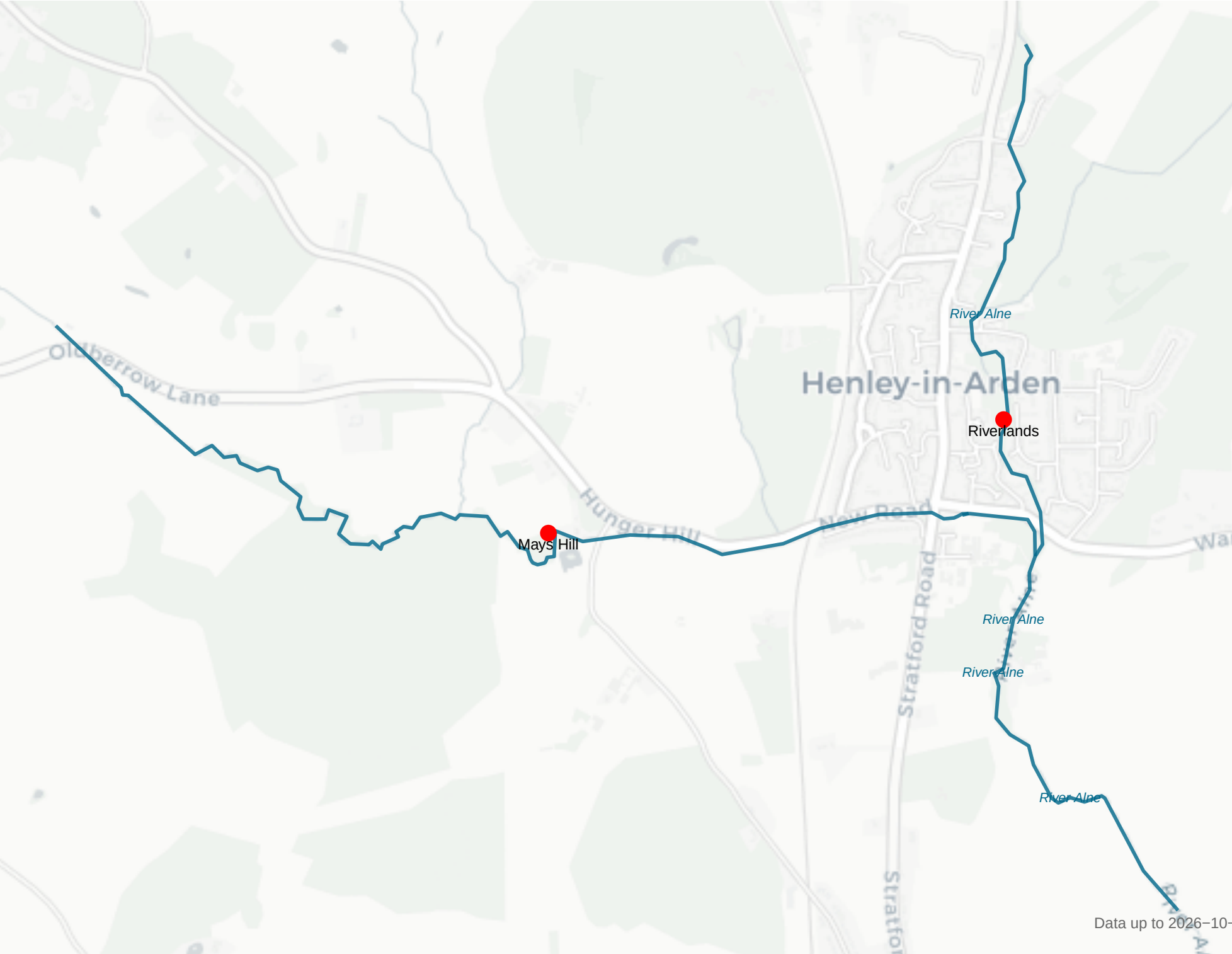
Alne River

. Henley-in-Arden – Riverlands

Ullenhall Brook

. Henley-in-Arden – Mays Hill

SafeAvon Locations in Henley-in-Arden



Summary for sites in Henley-in-Arden

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Alne River – Henley-in-Arden – Riverlands	2026-05-15	2026-09-25	20	1	0.895	1
Ullenhall Brook – Henley-in-Arden – Mays Hill	2026-08-30	2026-09-11	3	1	0.700	NA

SafeAvon Phosphates – By Month

Henley-in-Arden



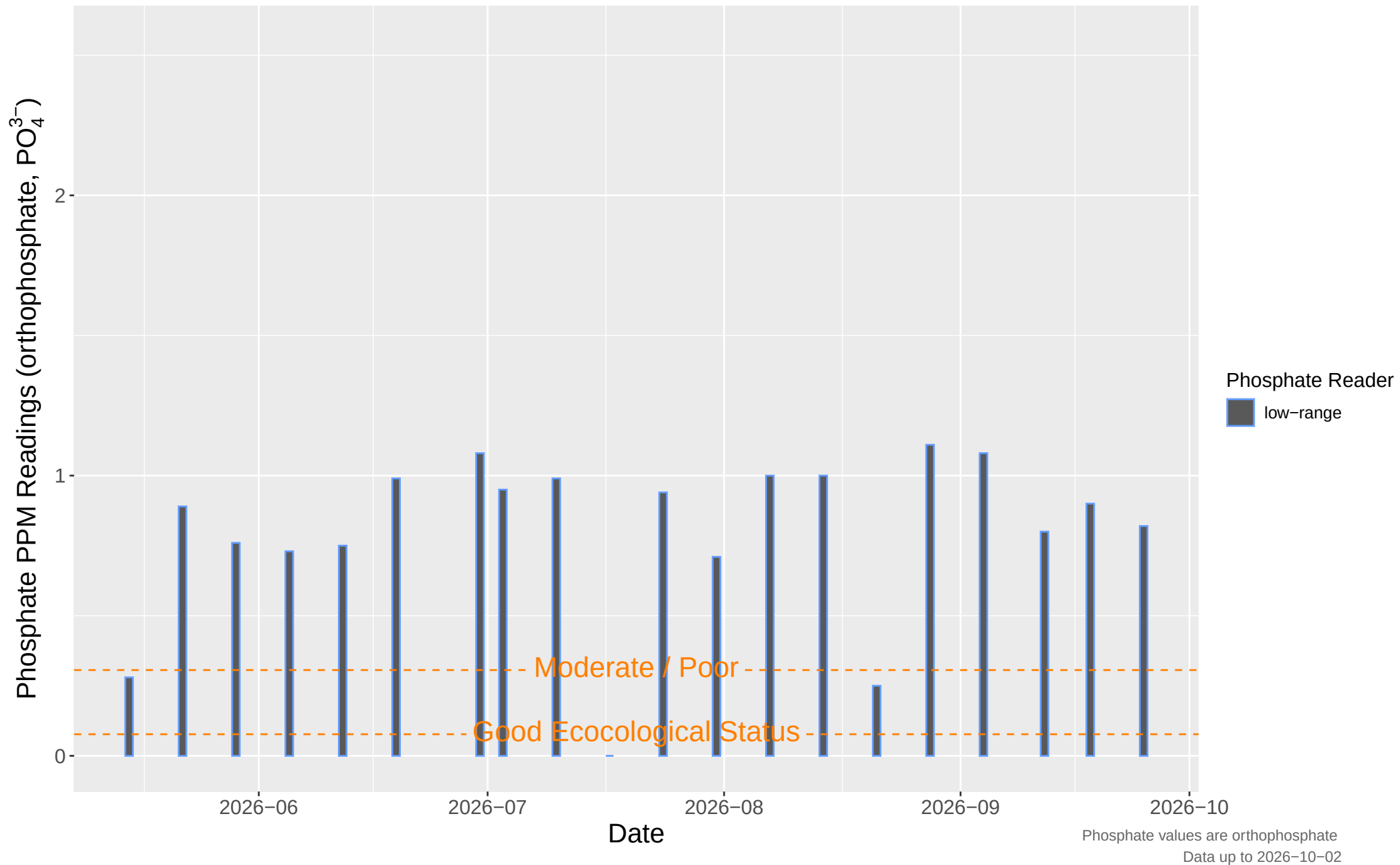
Site: Alne River – Henley-in-Arden – Riverlands

Start Date: 2026-05-15 | Most Recent: 2026-09-25 | Total Samples: 20 | 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
Spring 26	3		0.28	0.76	0.89		1.0	1.0	5		624	635	664		11.8	16.7	18.0
Summer 26	13		0.00	0.95	1.11		1.0	1.0	2		494	768	828		15.5	17.8	22.2
Autumn 26	4		0.80	0.86	1.08		0.5	0.8	2		679	740	760		15.5	15.8	18.3

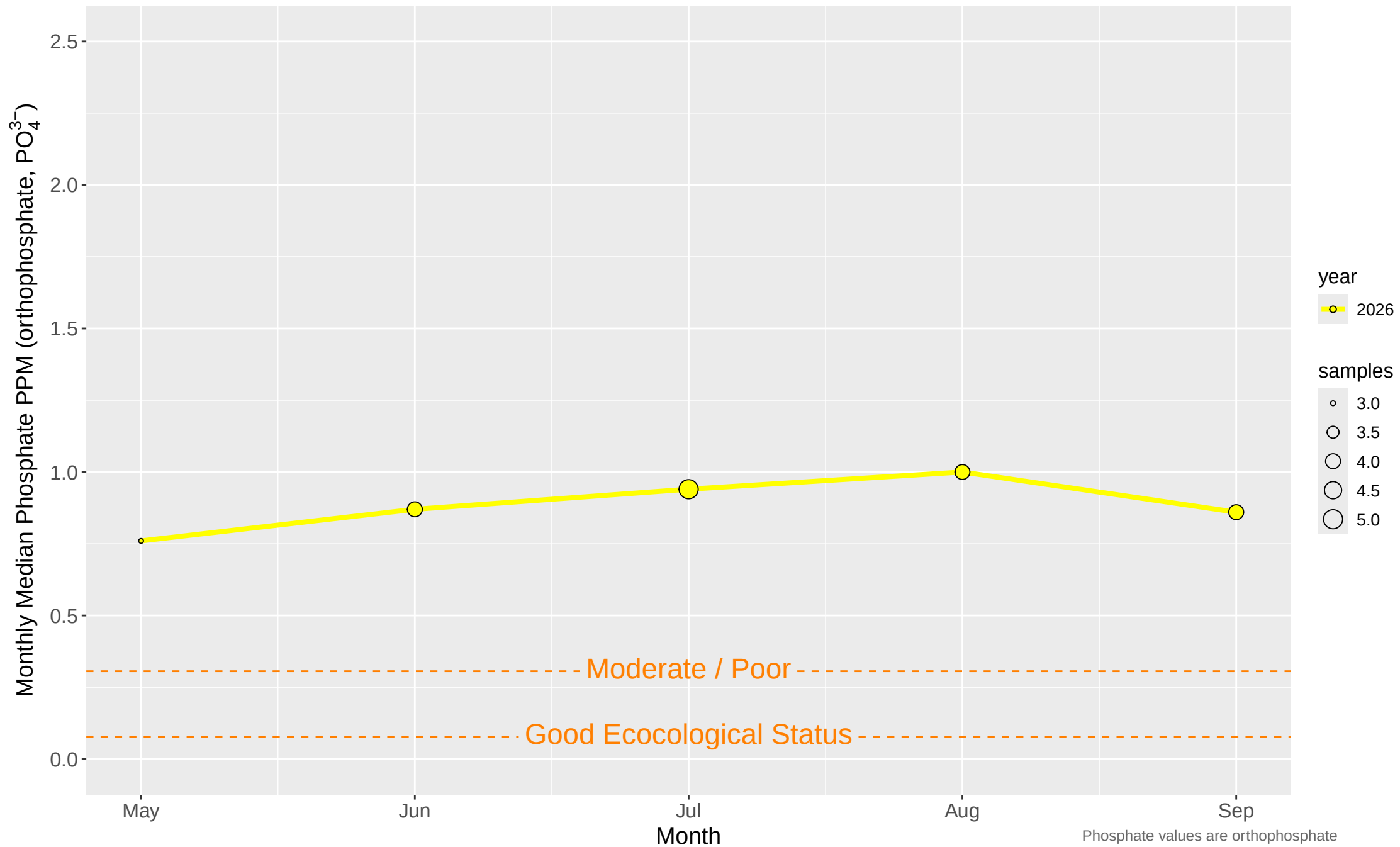
SafeAvon Phosphates – Individual Readings

Alne River – Henley-in-Arden – Riverlands



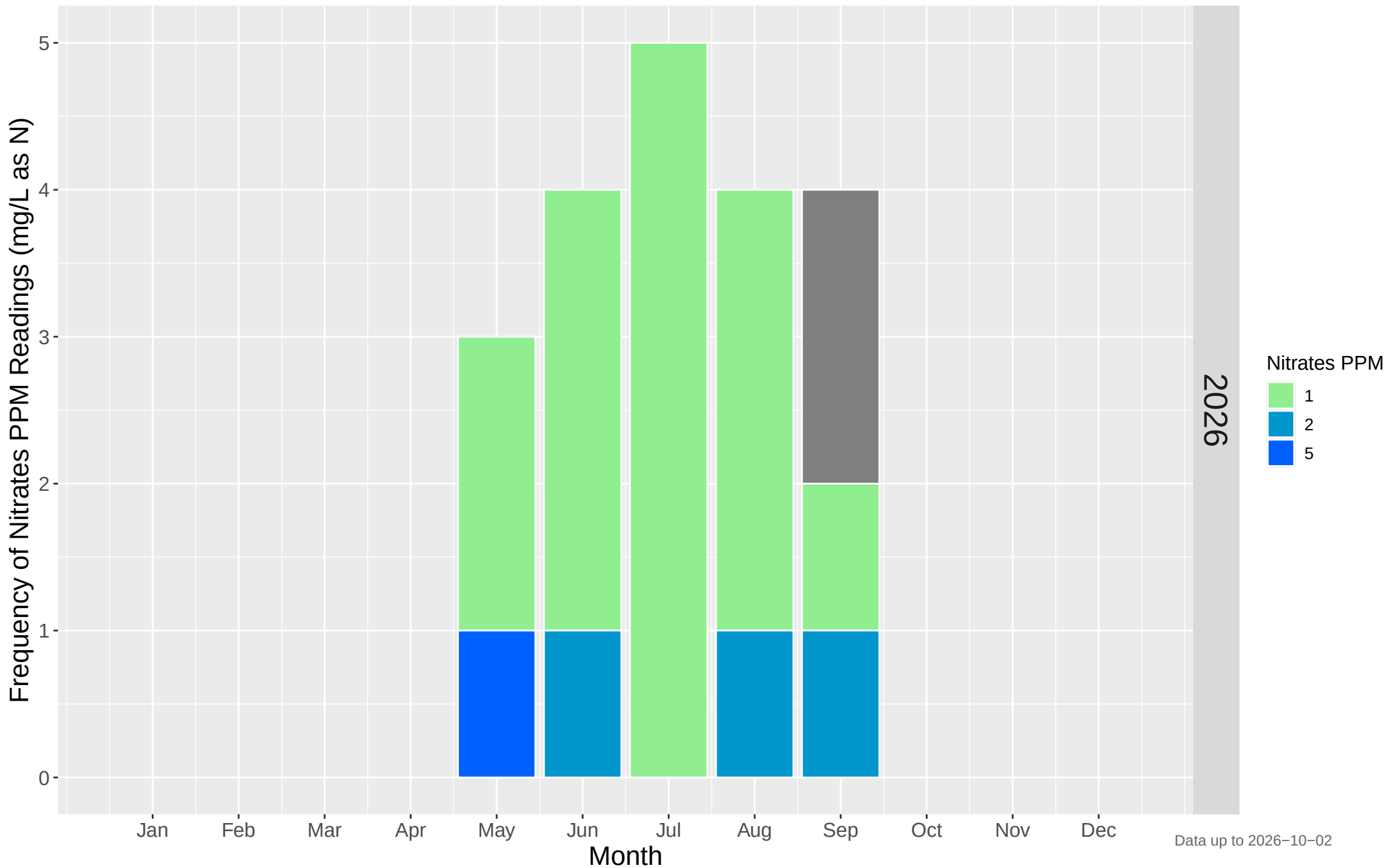
SafeAvon Phosphates – By Month

Alne River – Henley-in-Arden – Riverlands



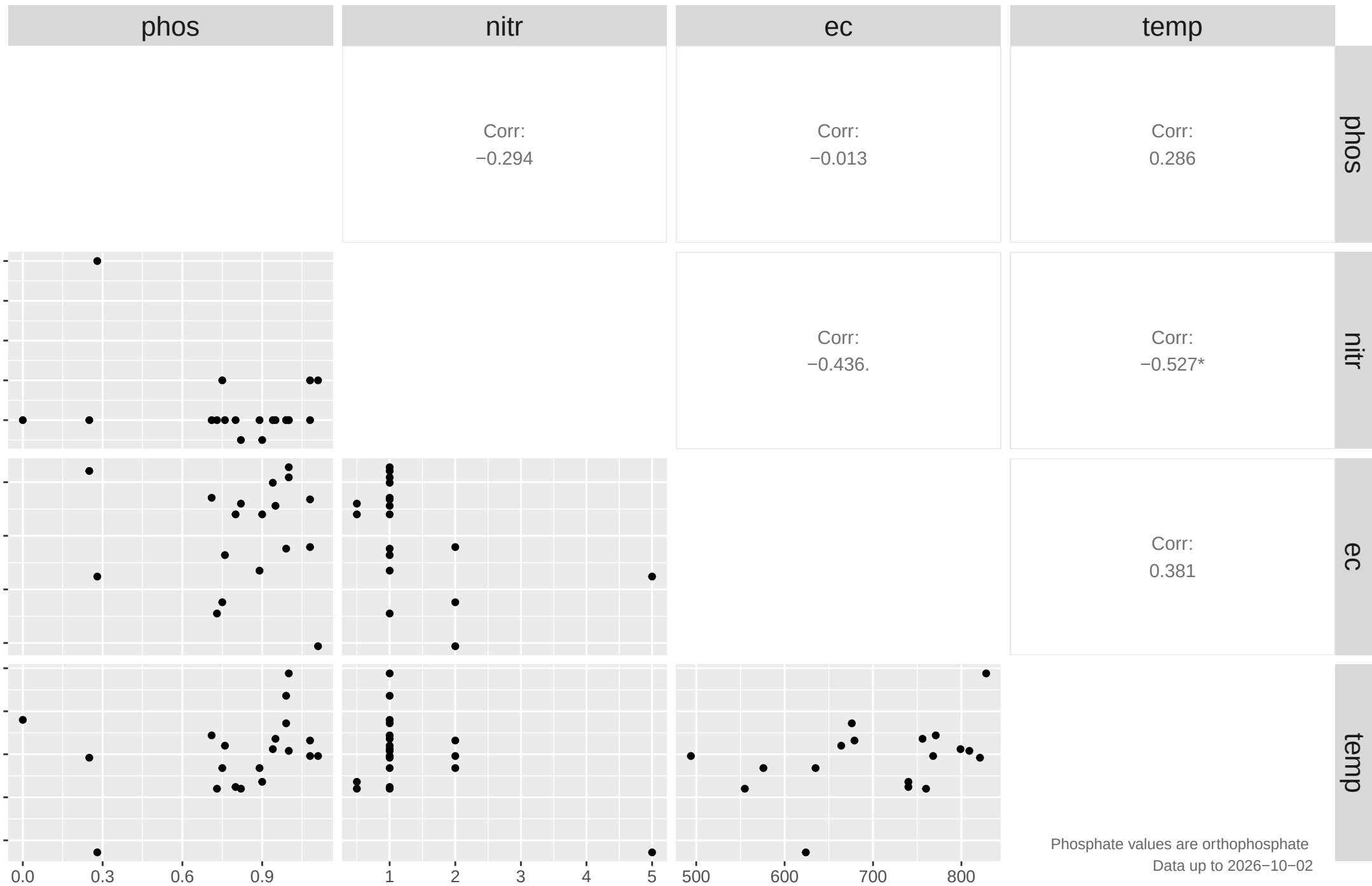
SafeAvon Nitrates By Month

Alne River – Henley-in-Arden – Riverlands



Pairwise Testing Variables Relationships

Alne River – Henley-in-Arden – Riverlands



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