

SafeAvon Nutrient Testing Report: Great Comberton

SafeAvon Sites By Waterway

Avon River

. Great Comberton – Quay Ln

SafeAvon Locations in Great Comberton

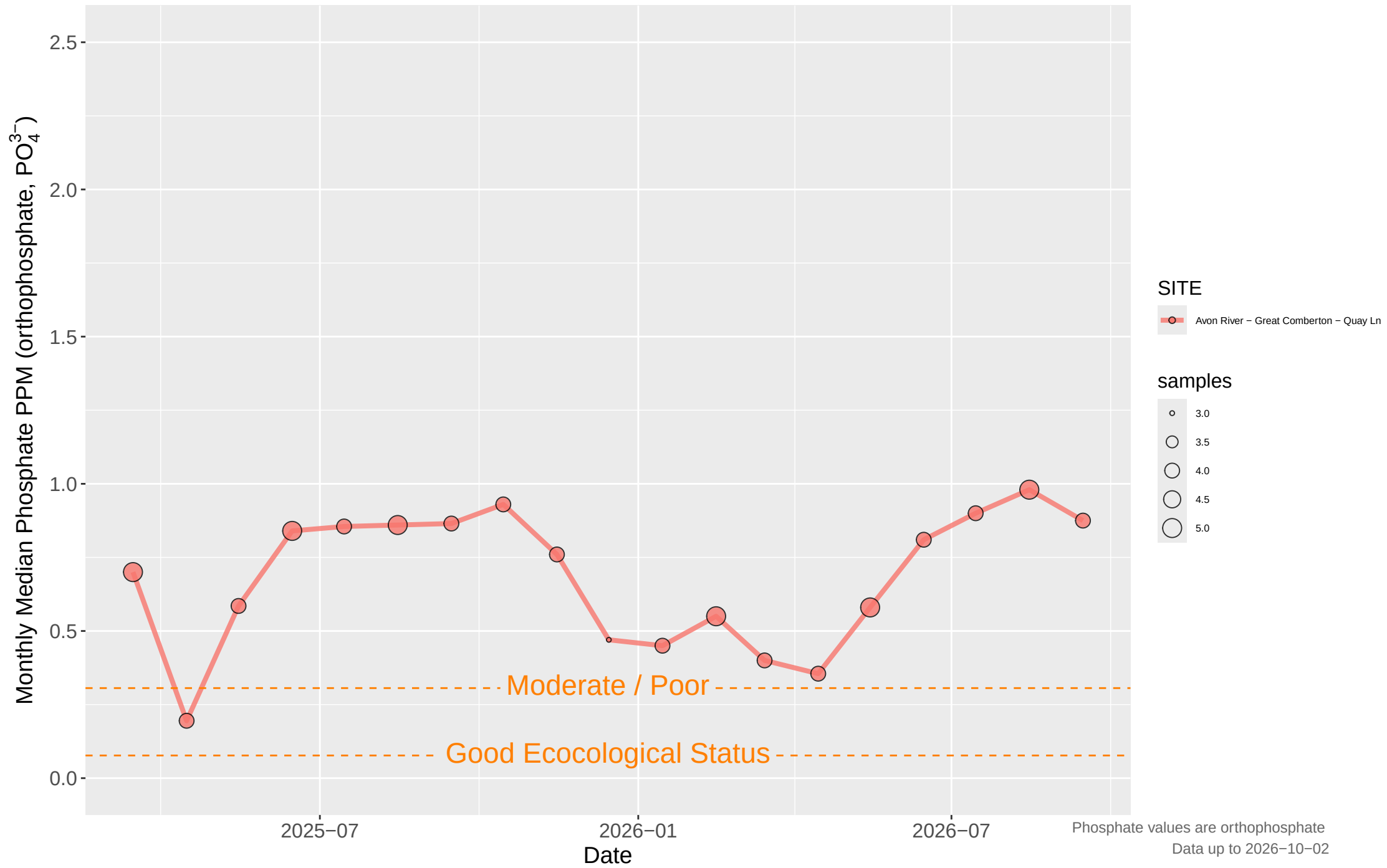


Summary for sites in Great Comberton

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Avon River – Great Comberton – Quay Ln	2025-03-01	2026-09-26	82	8	0.74	10

SafeAvon Phosphates – By Month

Great Comberton



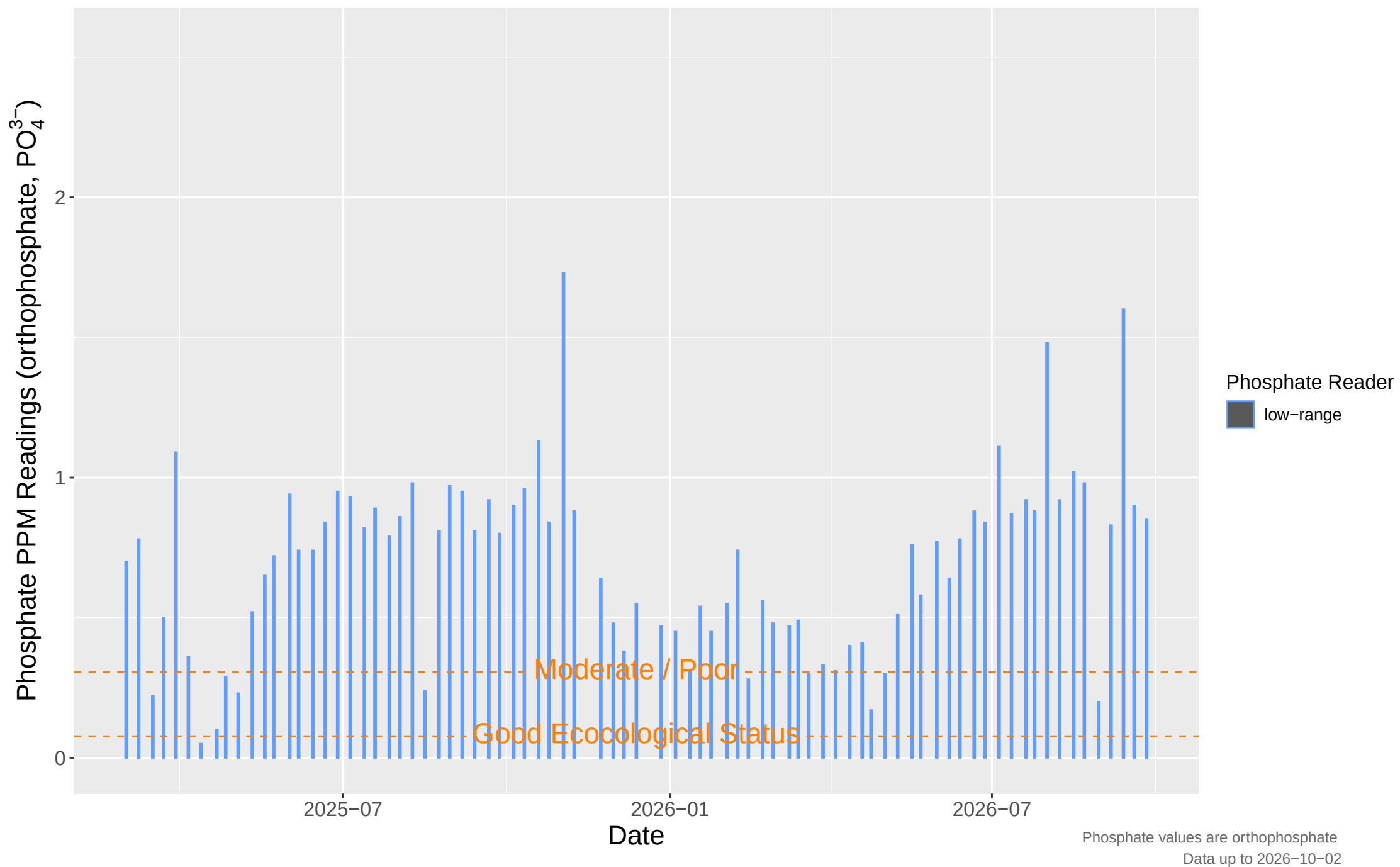
Site: Avon River – Great Comberton – Quay Ln

Start Date: 2025-03-01 | Most Recent: 2026-09-26 | Total Samples: 82 | Distinct Volunteers: 8

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 25	13		0.05	0.50	1.09		0	10.0	50		108	939	1070		7.1	13.7	19.8
Summer 25	14		0.24	0.85	0.98		1	20.0	50		101	962	1160		18.1	21.2	23.0
Autumn 25	12		0.48	0.89	1.73		5	10.0	20		102	964	1100		6.7	13.4	18.9
Winter 25-26	13		0.28	0.48	0.74		2	10.0	10		415	611	965		4.5	8.4	10.4
Spring 26	13		0.17	0.41	0.77		5	10.0	10		680	934	1040		9.4	13.3	22.1
Summer 26	13		0.20	0.88	1.48		5	10.0	10		890	1130	1200		17.3	22.2	26.0
Autumn 26	4		0.83	0.88	1.60		5	7.5	10		814	956	982		17.4	18.4	20.1

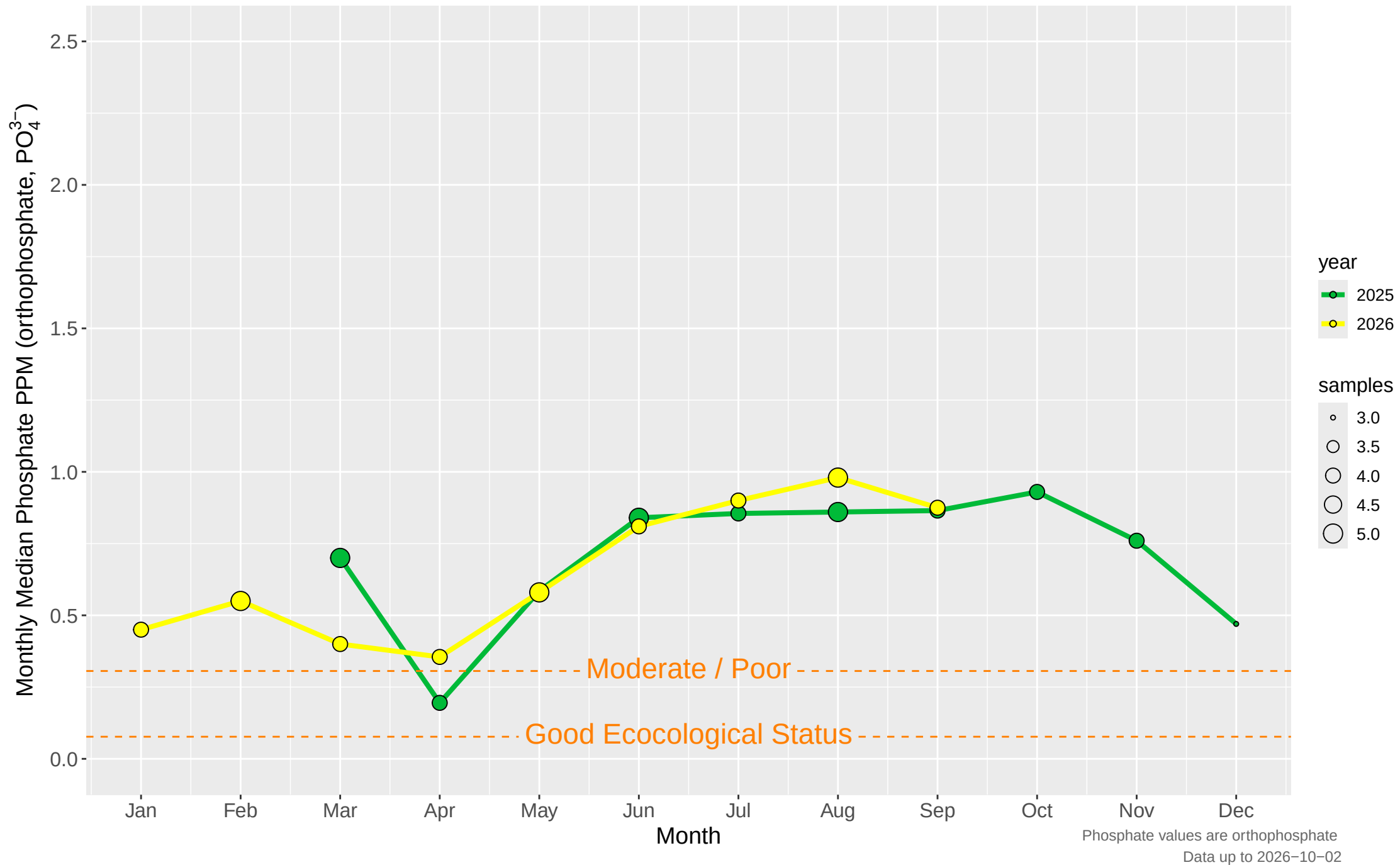
SafeAvon Phosphates – Individual Readings

Avon River – Great Comberton – Quay Ln



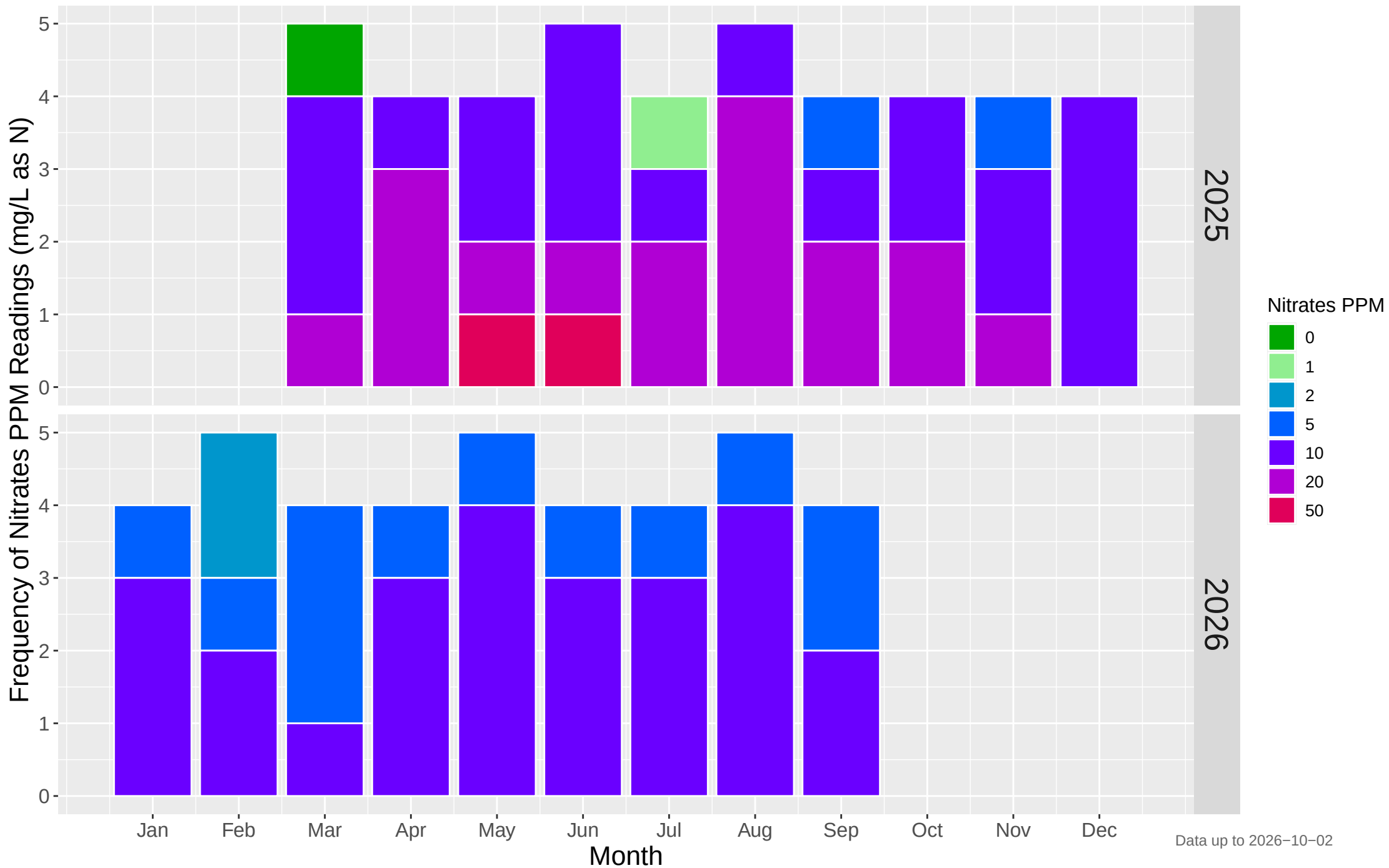
SafeAvon Phosphates – By Month

Avon River – Great Comberton – Quay Ln



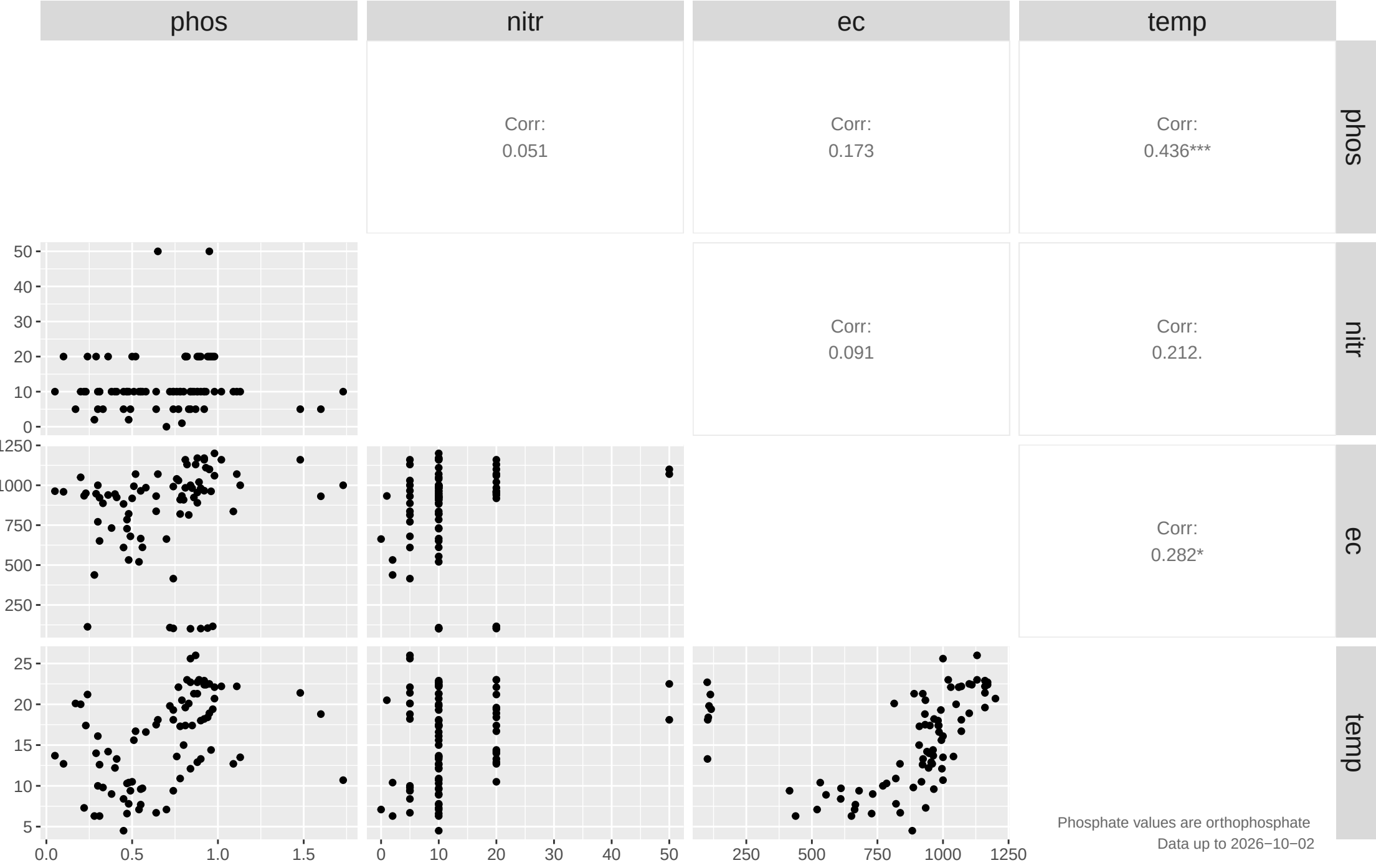
SafeAvon Nitrates By Month

Avon River – Great Comberton – Quay Ln



Pairwise Testing Variables Relationships

Avon River – Great Comberton – Quay 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