

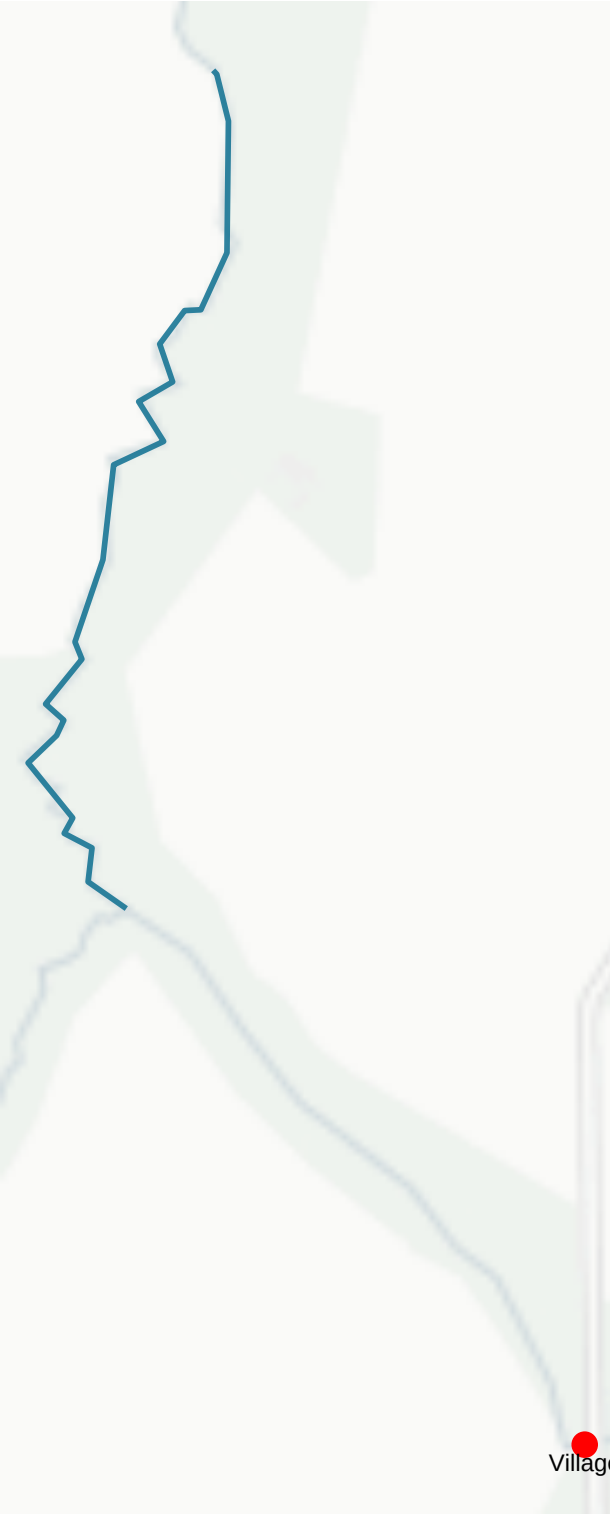
SafeAvon Nutrient Testing Report: Ascott

SafeAvon Sites By Waterway

Stour River

. Ascott – Village

SafeAvon Locations in Ascott



Village

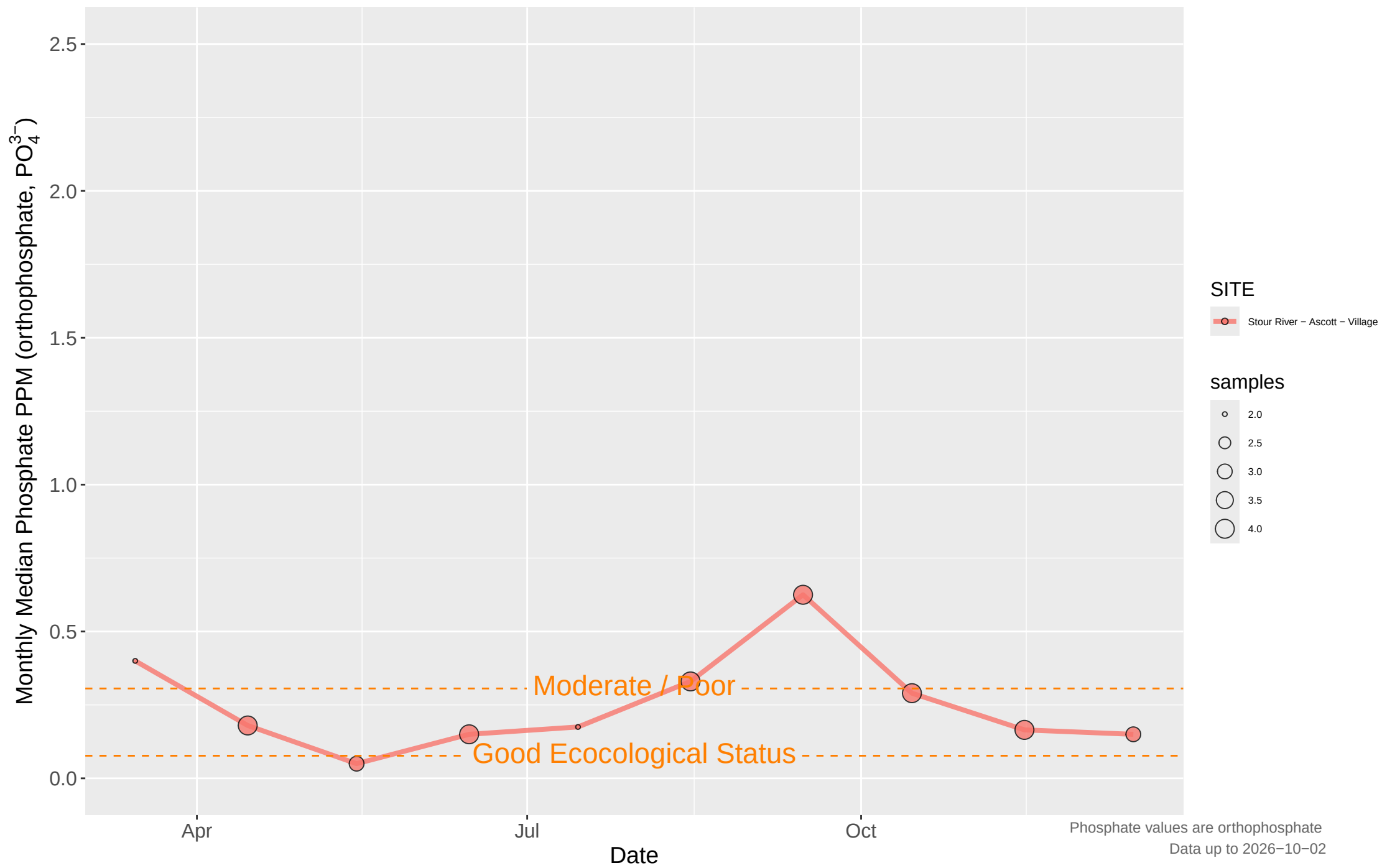
Data up to 2026-10-02

Summary for sites in Ascott

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Stour River – Ascott – Village	2024-03-23	2024-12-14	34	1	0.225	1

SafeAvon Phosphates – By Month

Ascott



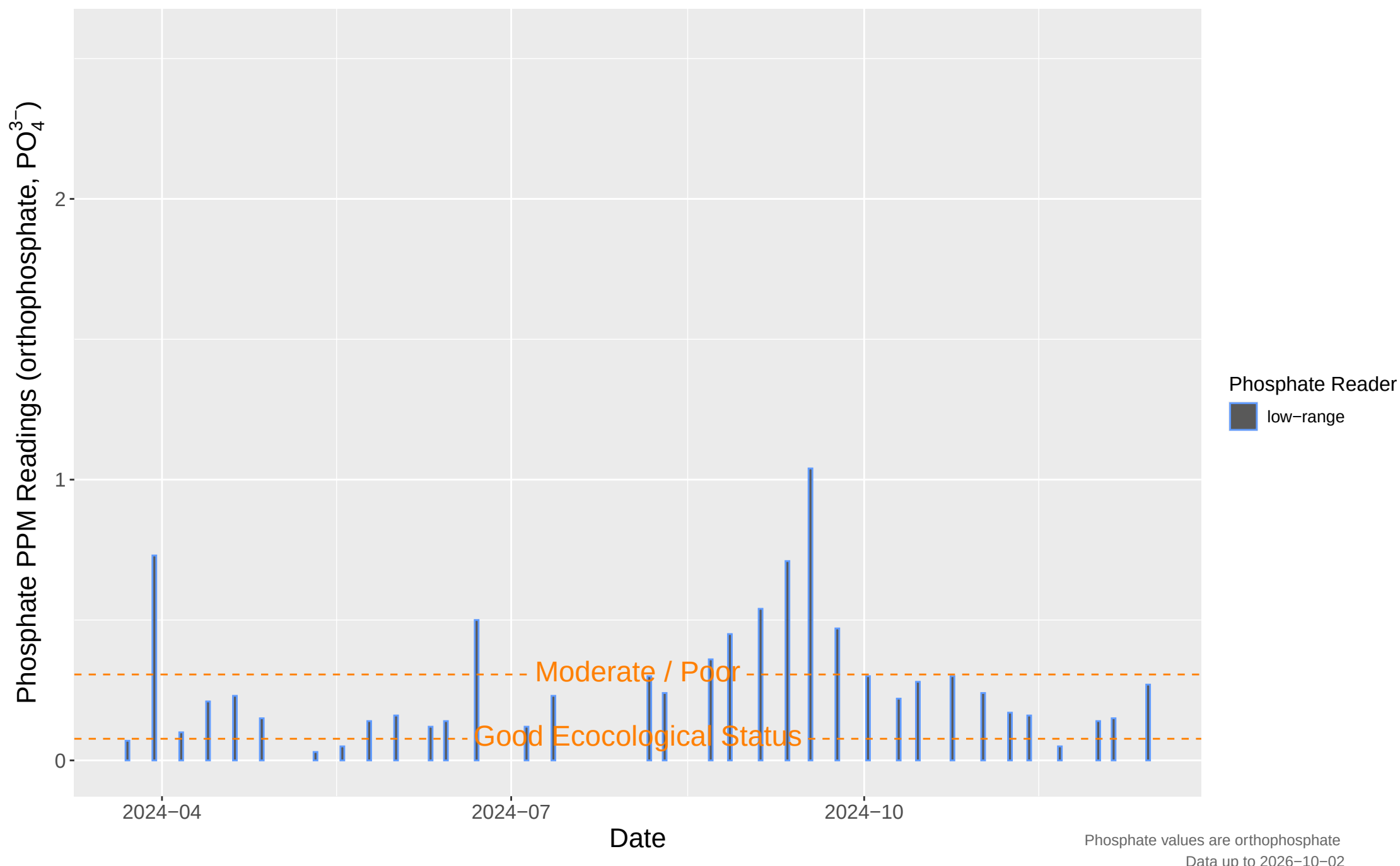
Site: Stour River – Ascott – Village

Start Date: 2024-03-23 | Most Recent: 2024-12-14 | Total Samples: 34 | 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 24	9		0.03	0.14	0.73		1	2	5		506	551	567		8.5	12.9	19.6
Summer 24	10		0.12	0.23	0.50		1	1	2		195	506	634		12.6	16.4	20.3
Autumn 24	12		0.05	0.29	1.04		0	1	1		365	527	686		4.5	12.1	16.5
Winter 24-25	3		0.14	0.15	0.27		1	1	1		555	613	686		4.5	7.1	11.1

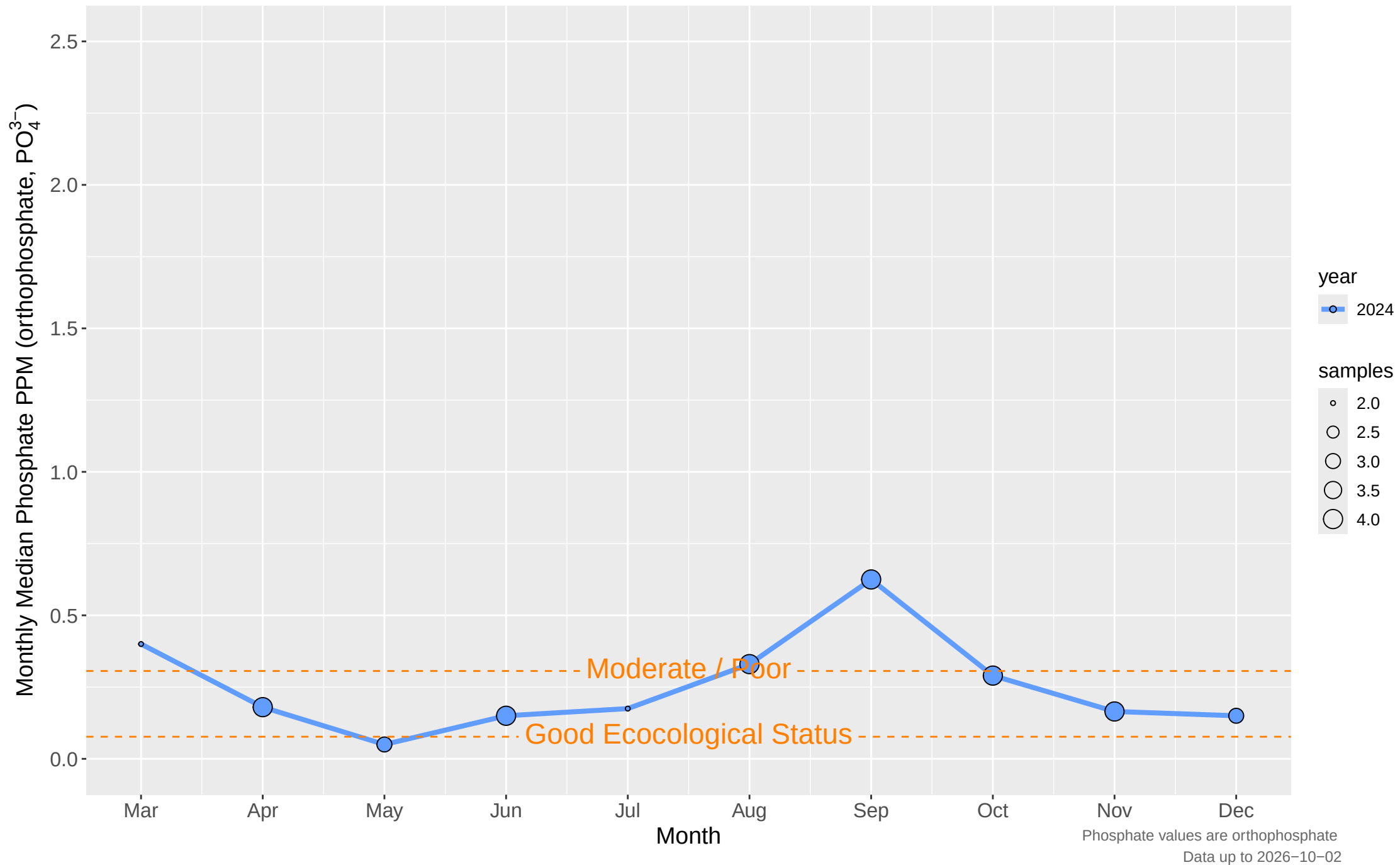
SafeAvon Phosphates – Individual Readings

Stour River – Ascott – Village



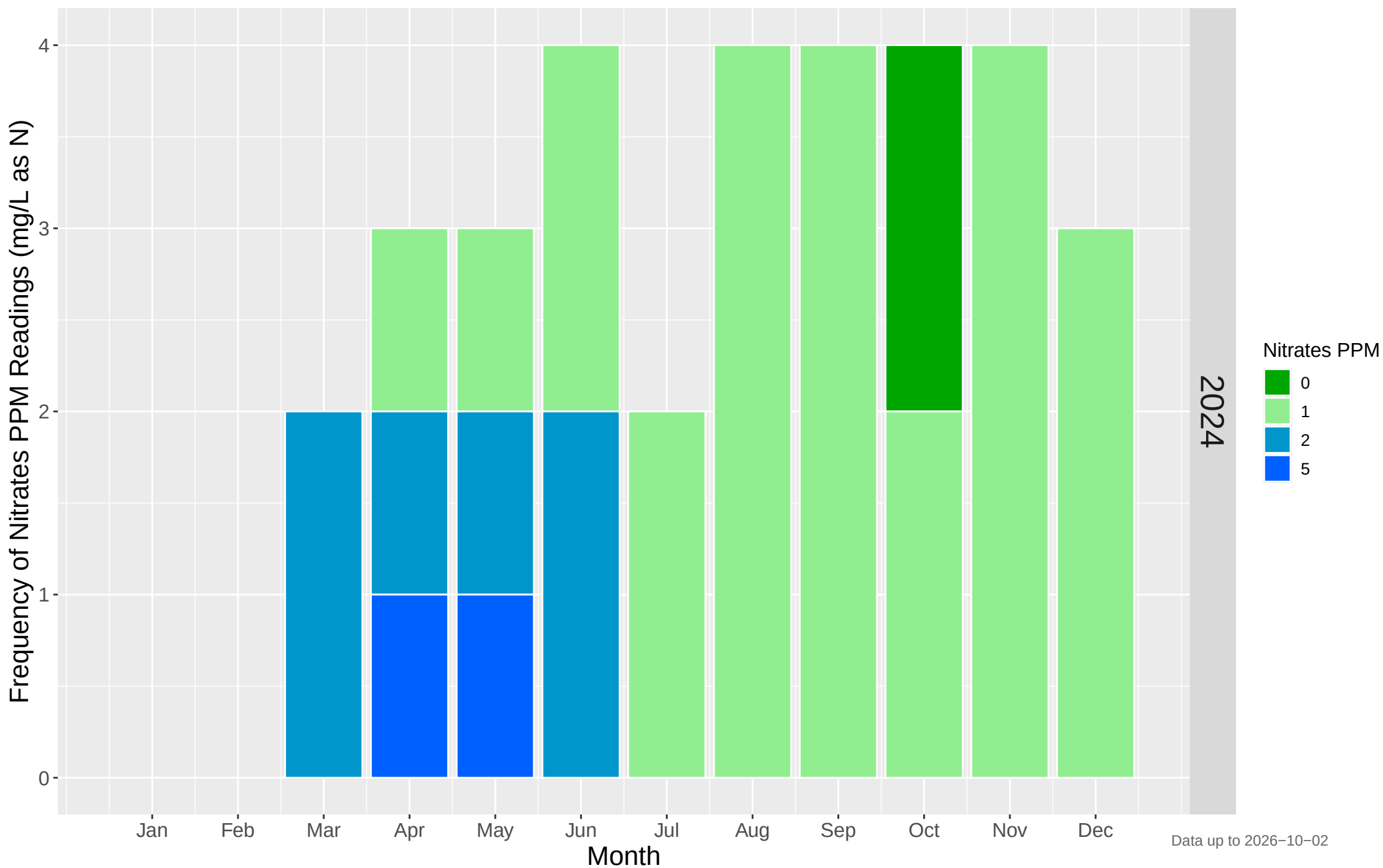
SafeAvon Phosphates – By Month

Stour River – Ascott – Village



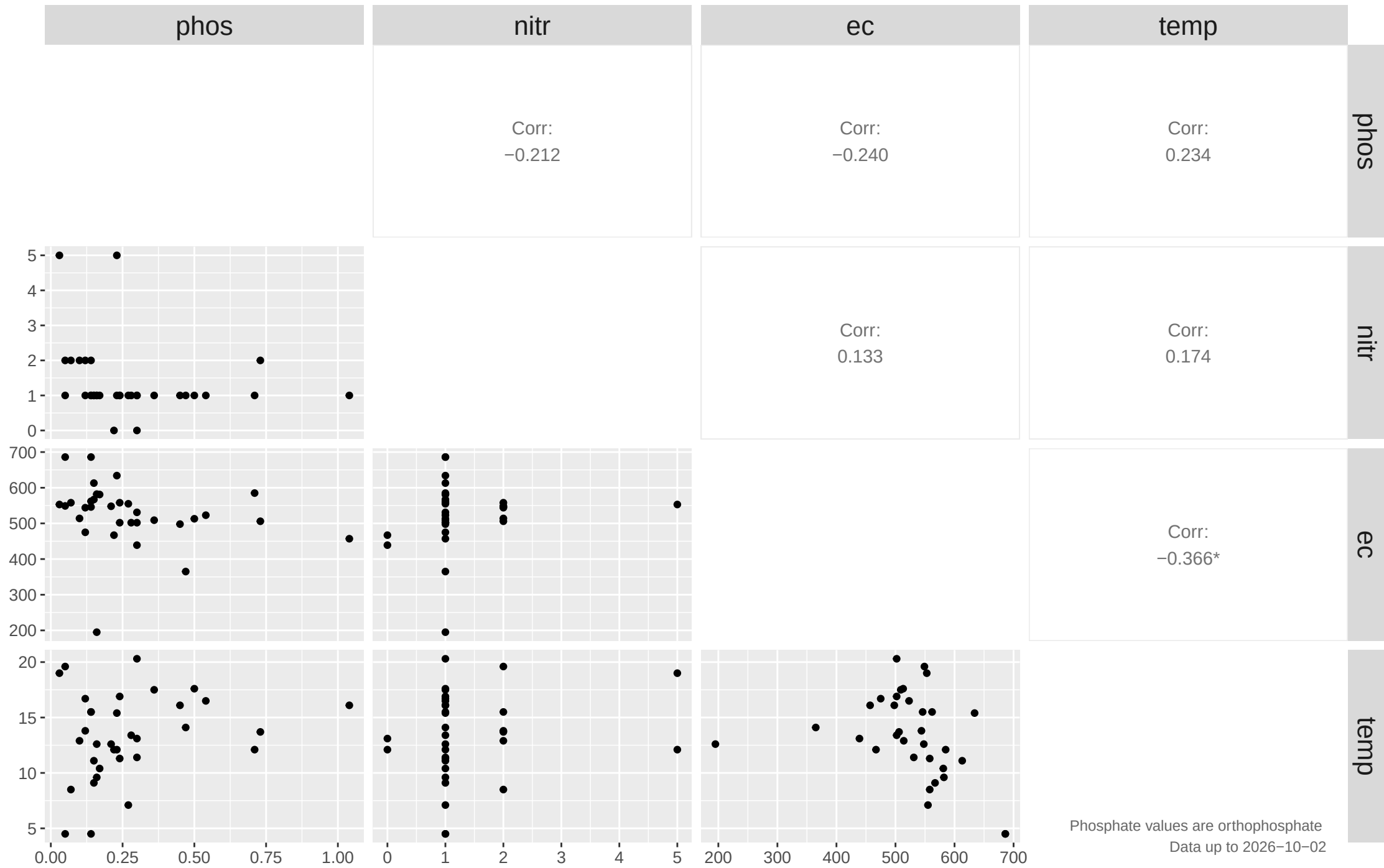
SafeAvon Nitrates By Month

Stour River – Ascott – Village



Pairwise Testing Variables Relationships

Stour River – Ascott – Village



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