

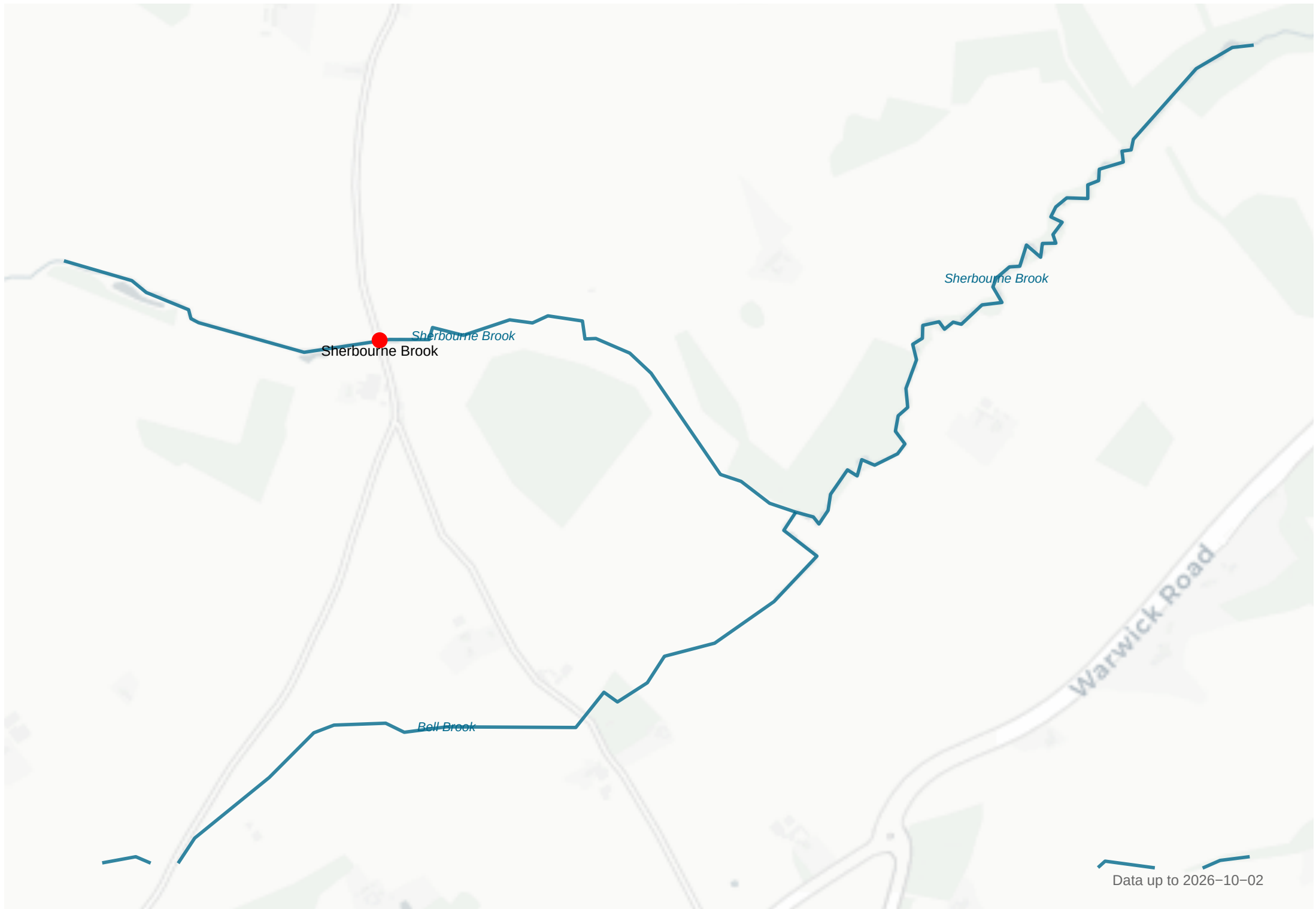
SafeAvon Nutrient Testing Report: Norton Lindsey

SafeAvon Sites By Waterway

Sherbourne Brook

. Norton Lindsey – Sherbourne Brook

SafeAvon Locations in Norton Lindsey

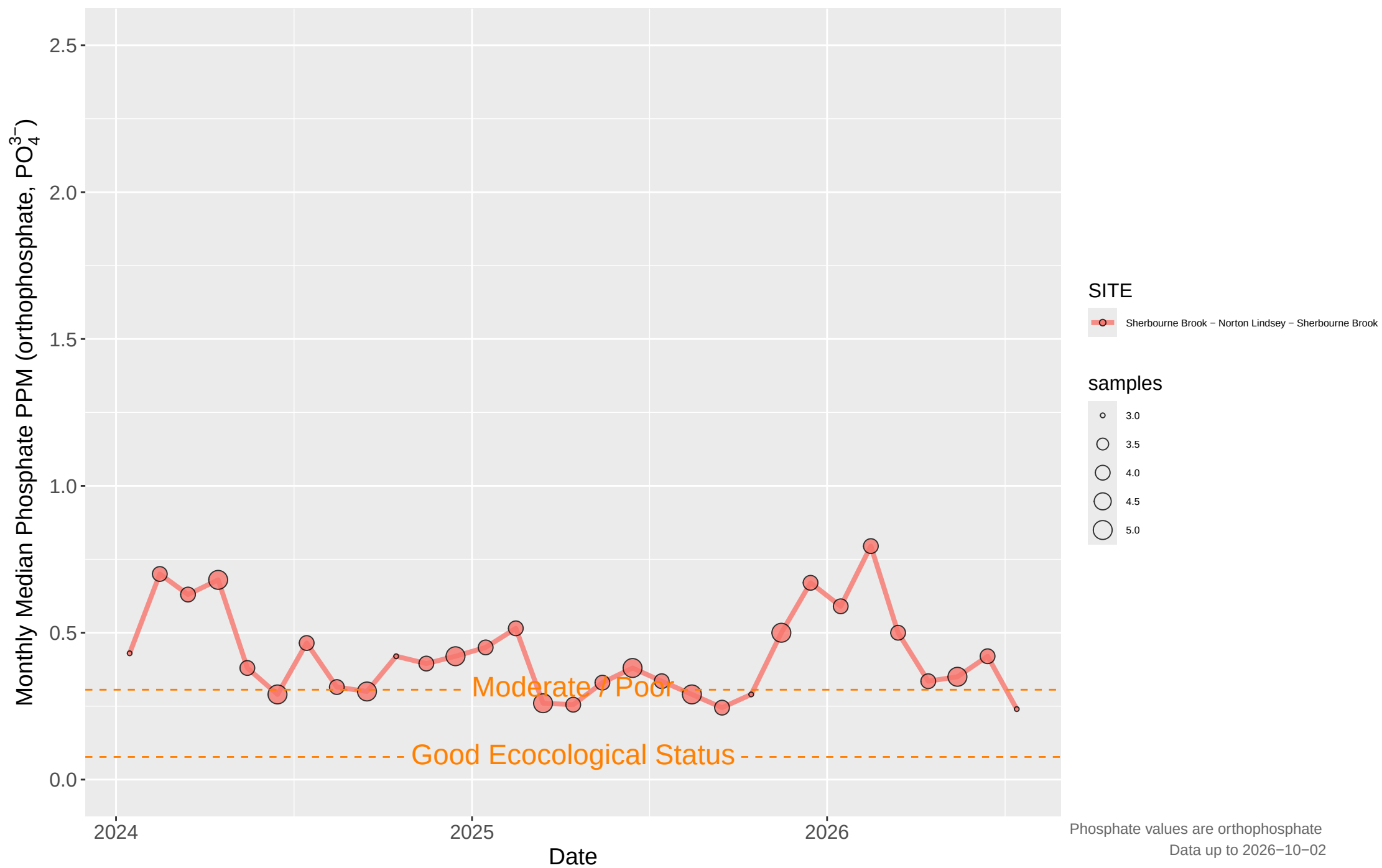


Summary for sites in Norton Lindsey

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Sherbourne Brook – Norton Lindsey – Sherbourne Brook	2024-01-13	2026-07-19	129	2	0.4	5

SafeAvon Phosphates – By Month

Norton Lindsey



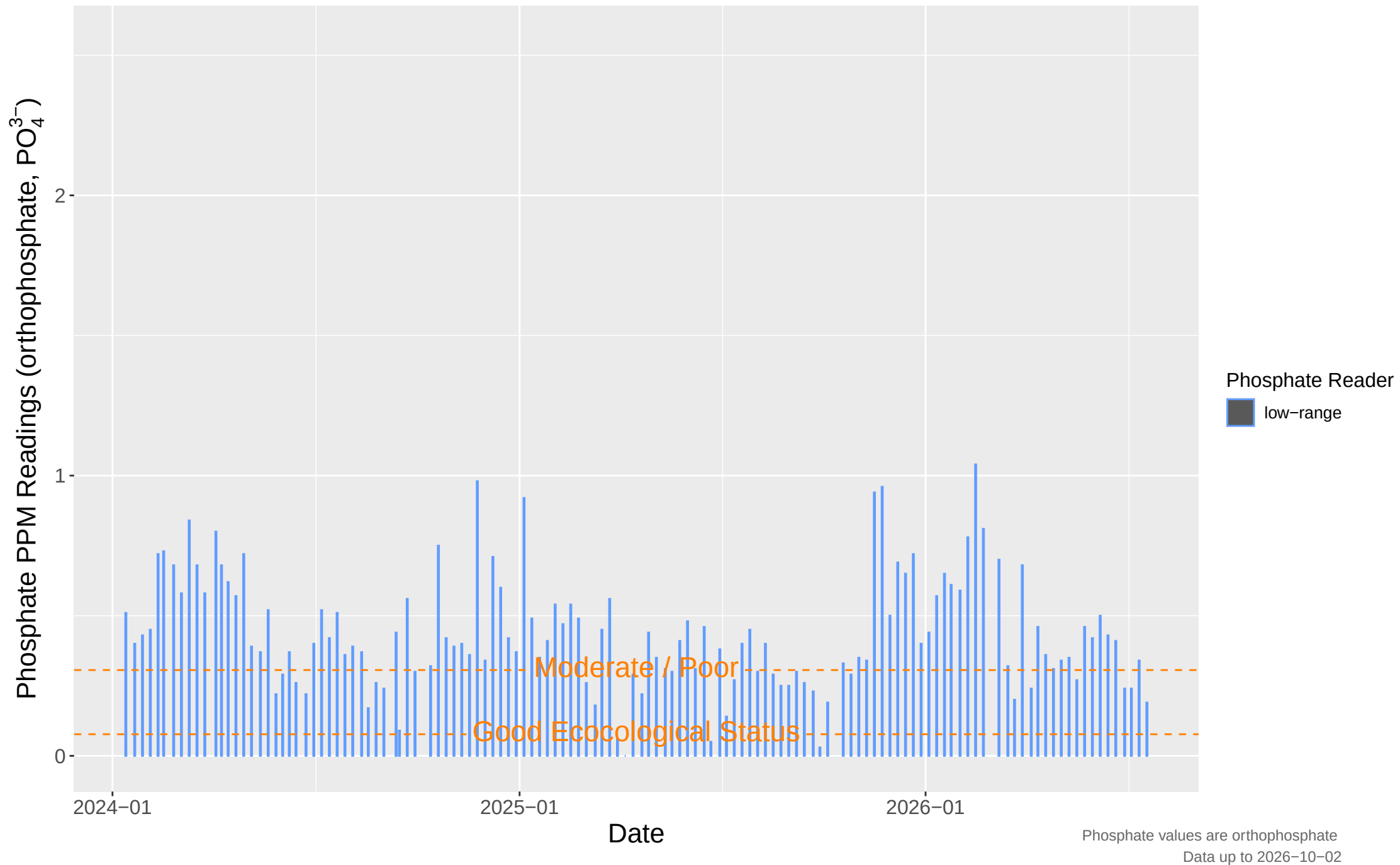
Site: Sherbourne Brook – Norton Lindsey – Sherbourne Brook

Start Date: 2024-01-13 | Most Recent: 2026-07-19 | Total Samples: 129 | 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 23-24	7		0.40	0.51	0.73		5	5.0	10		102	911	1100		7.4	8.9	11.4
Spring 24	13		0.22	0.58	0.84		2	5.0	10		100	962	1100		8.7	11.7	14.5
Summer 24	13		0.17	0.37	0.52		5	10.0	20		1050	1090	1140		13.6	15.1	20.6
Autumn 24	12		0.09	0.40	0.98		2	10.0	20		272	1100	1190		9.6	12.1	15.9
Winter 24-25	13		0.34	0.49	0.92		5	5.0	20		413	960	1030		5.4	7.7	11.3
Spring 25	13		0.00	0.30	0.56		2	10.0	50		762	1080	1110		4.9	11.7	16.4
Summer 25	14		0.05	0.30	0.48		5	10.0	20		870	1035	1100		14.0	17.6	20.2
Autumn 25	12		0.03	0.32	0.96		5	7.5	20		582	1190	1360		8.2	11.1	17.5
Winter 25-26	12		0.40	0.65	1.04		2	5.0	10		256	776	1060		6.2	8.5	10.9
Spring 26	13		0.20	0.35	0.70		2	5.0	10		975	1060	1130		7.5	11.9	17.4
Summer 26	7		0.19	0.34	0.50		2	5.0	5		925	982	1110		14.5	16.7	21.2

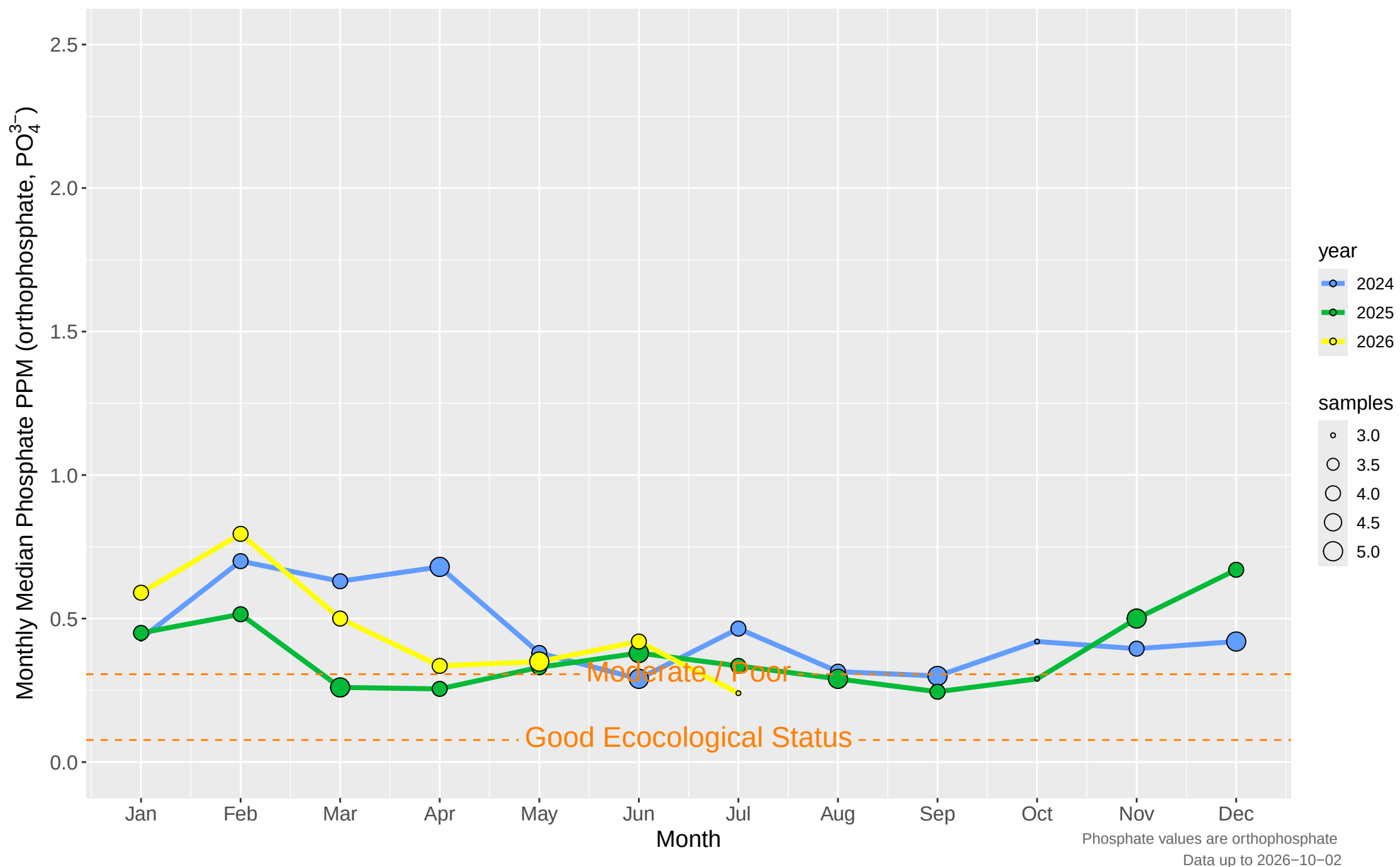
SafeAvon Phosphates – Individual Readings

Sherbourne Brook – Norton Lindsey – Sherbourne Brook



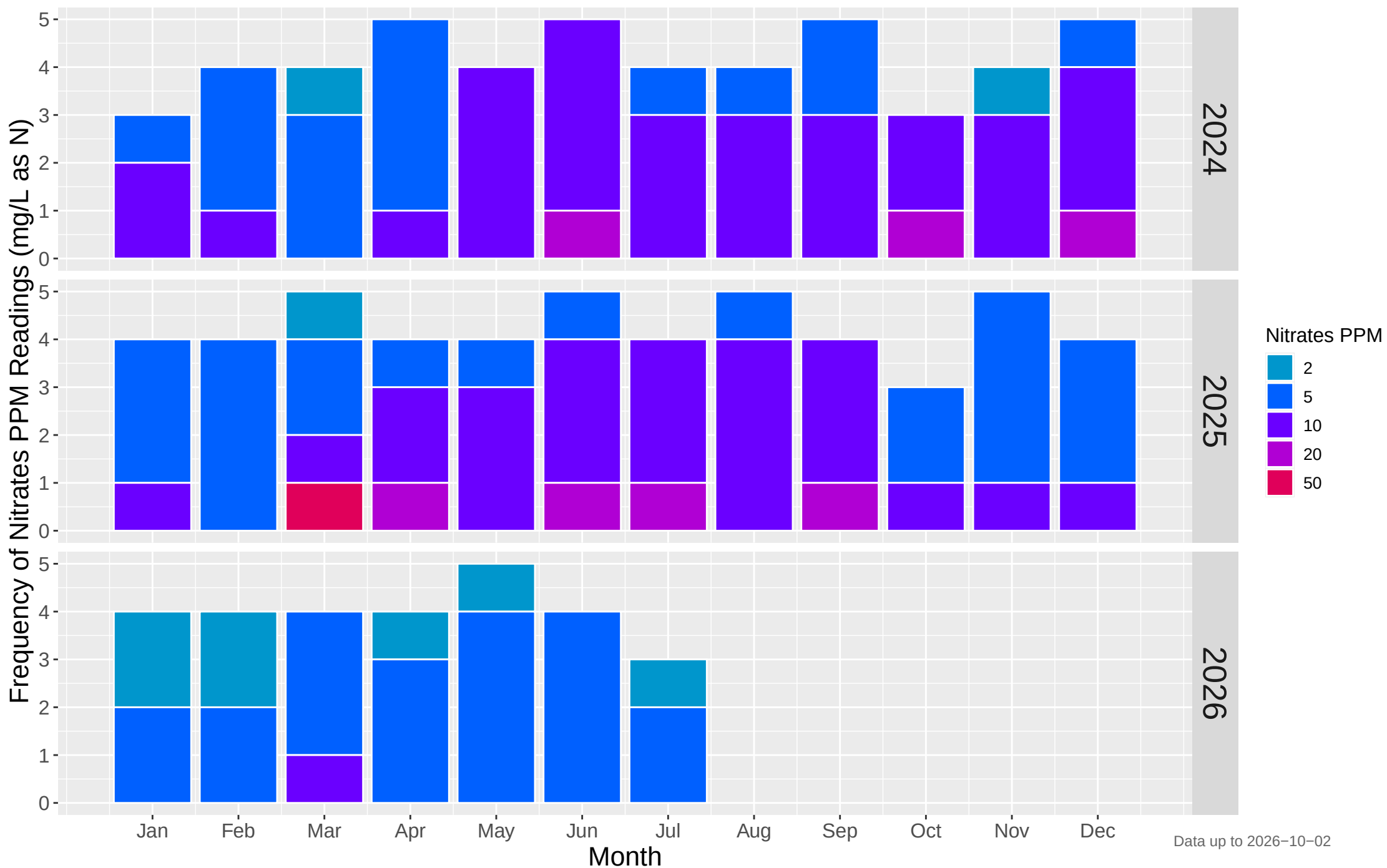
SafeAvon Phosphates – By Month

Sherbourne Brook – Norton Lindsey – Sherbourne Brook



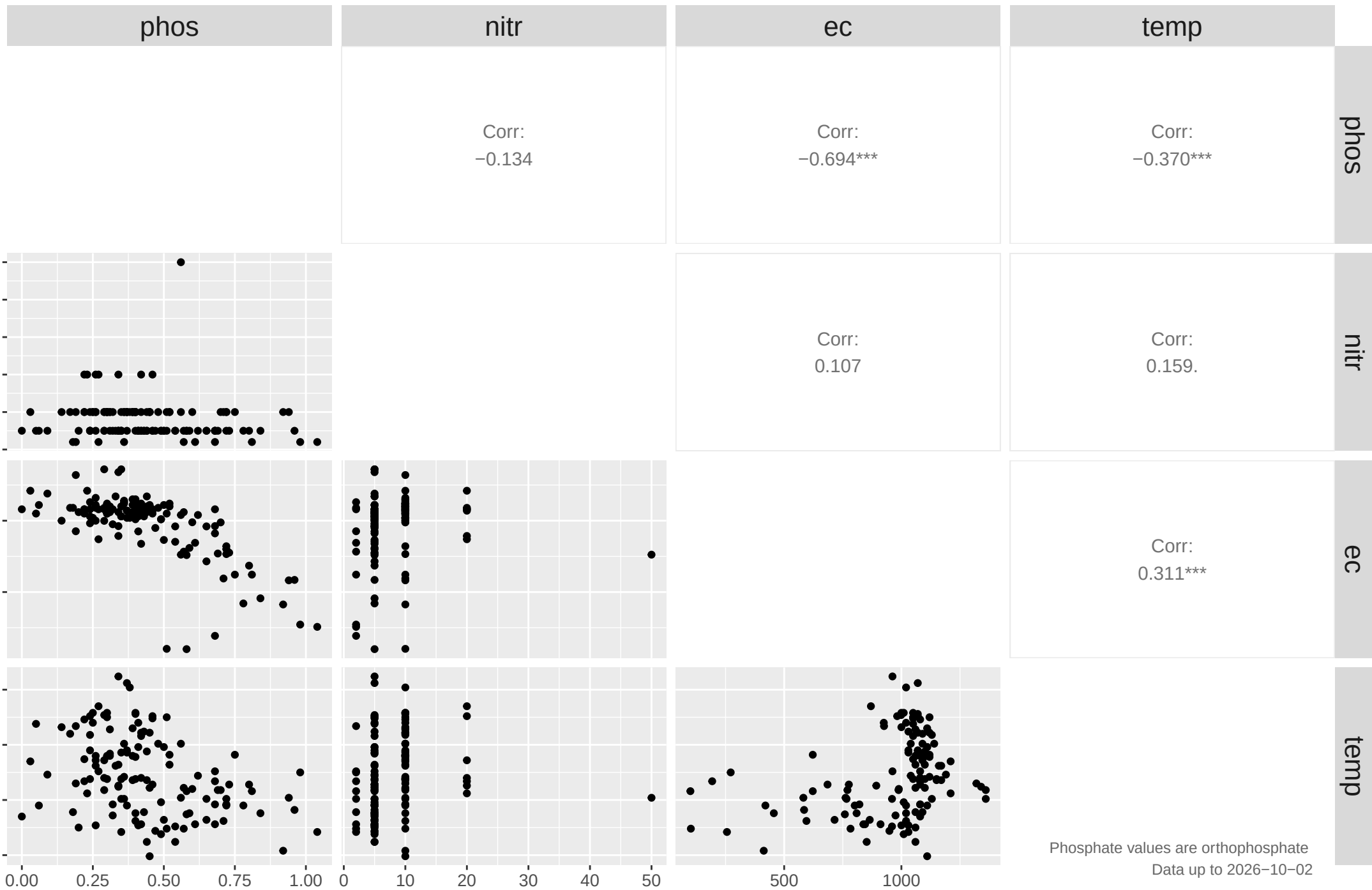
SafeAvon Nitrates By Month

Sherbourne Brook – Norton Lindsey – Sherbourne Brook



Pairwise Testing Variables Relationships

Sherbourne Brook – Norton Lindsey – Sherbourne Brook



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