

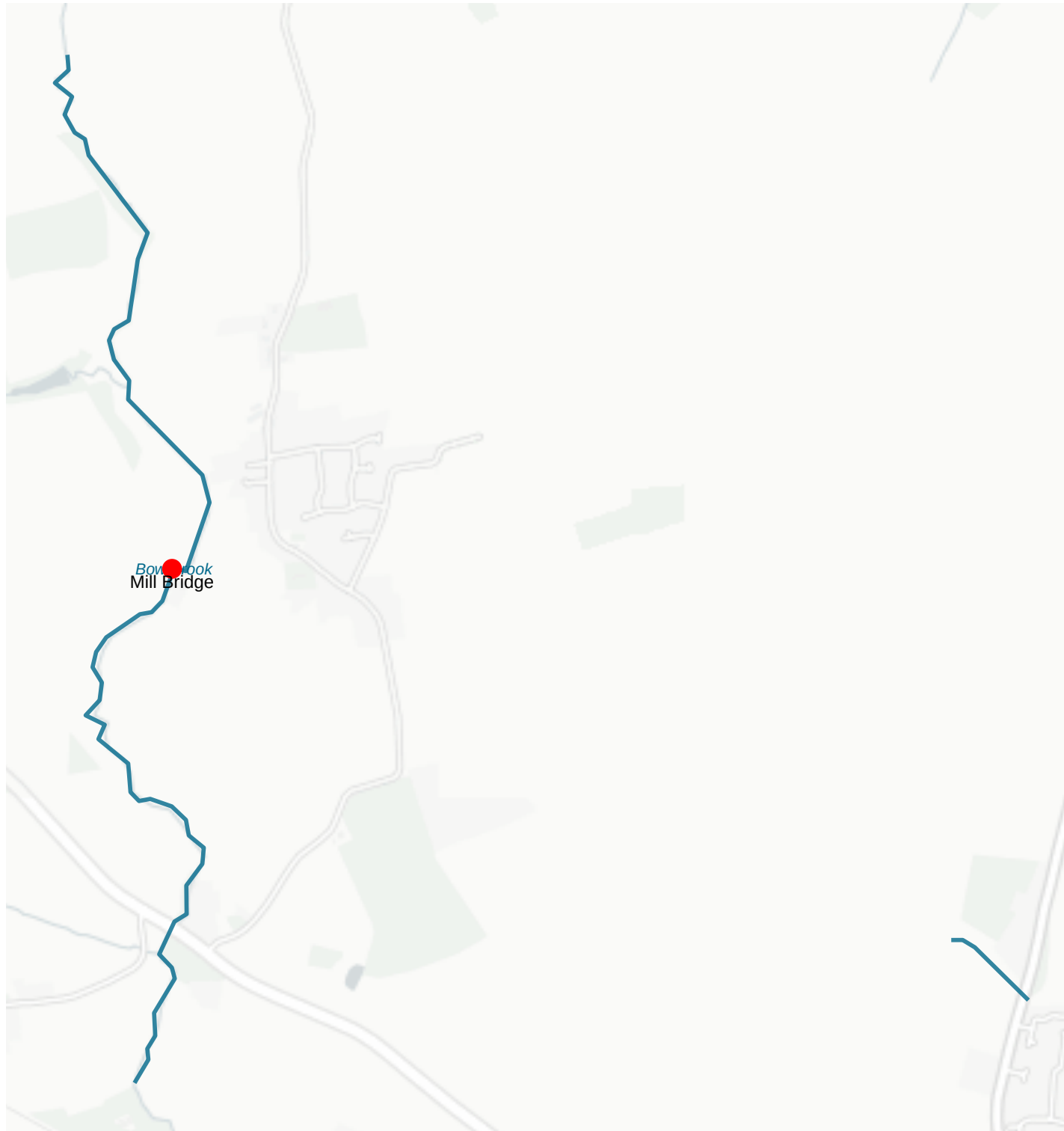
SafeAvon Nutrient Testing Report: Peopleton

SafeAvon Sites By Waterway

Bow Brook

. Peopleton – Mill Bridge

SafeAvon Locations in Peopletown



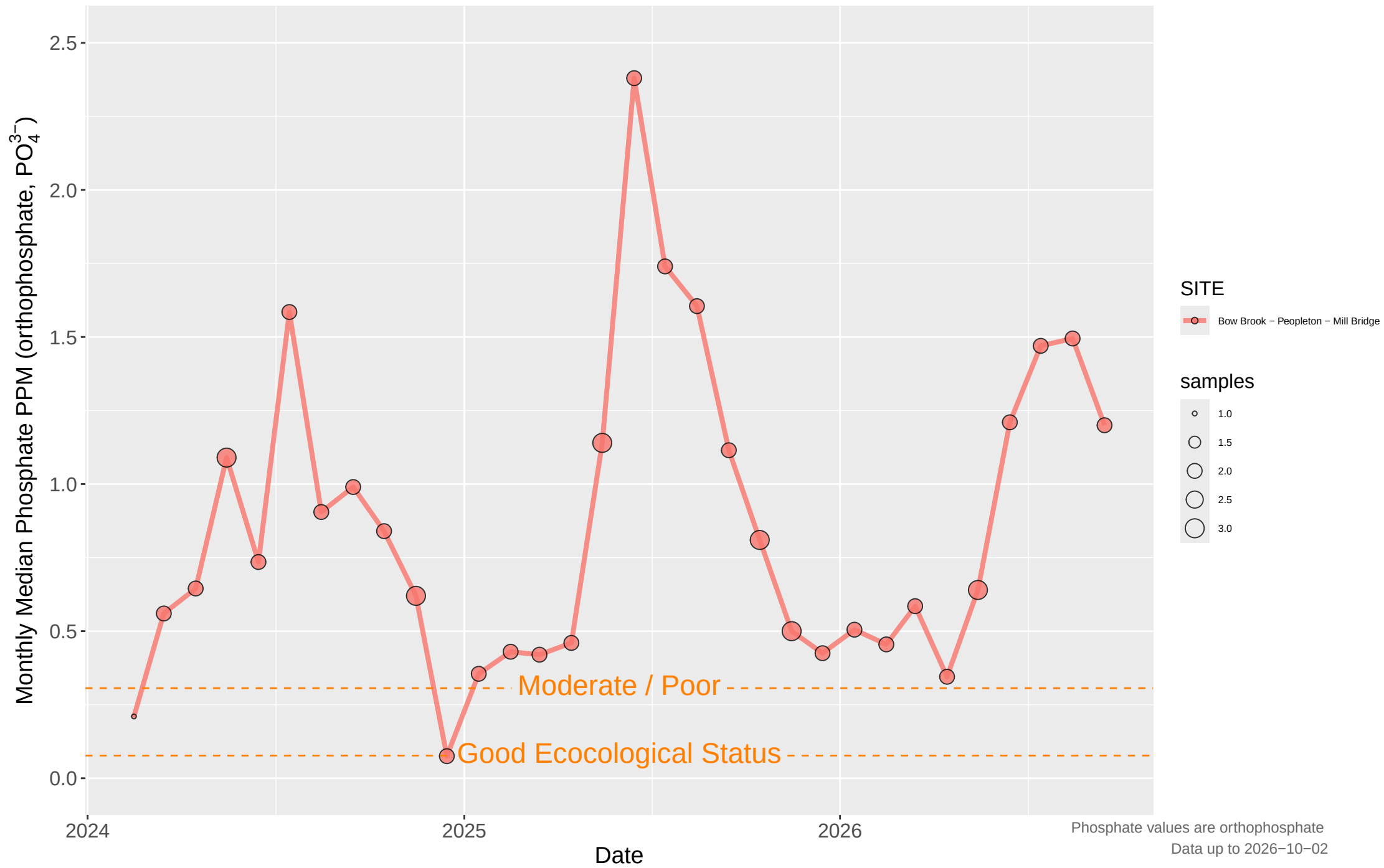
Data up to 2026-10-02

Summary for sites in Peopleton

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Bow Brook – Peopleton – Mill Bridge	2024-02-23	2026-09-18	69	2	0.8	2

SafeAvon Phosphates – By Month

Peopleton



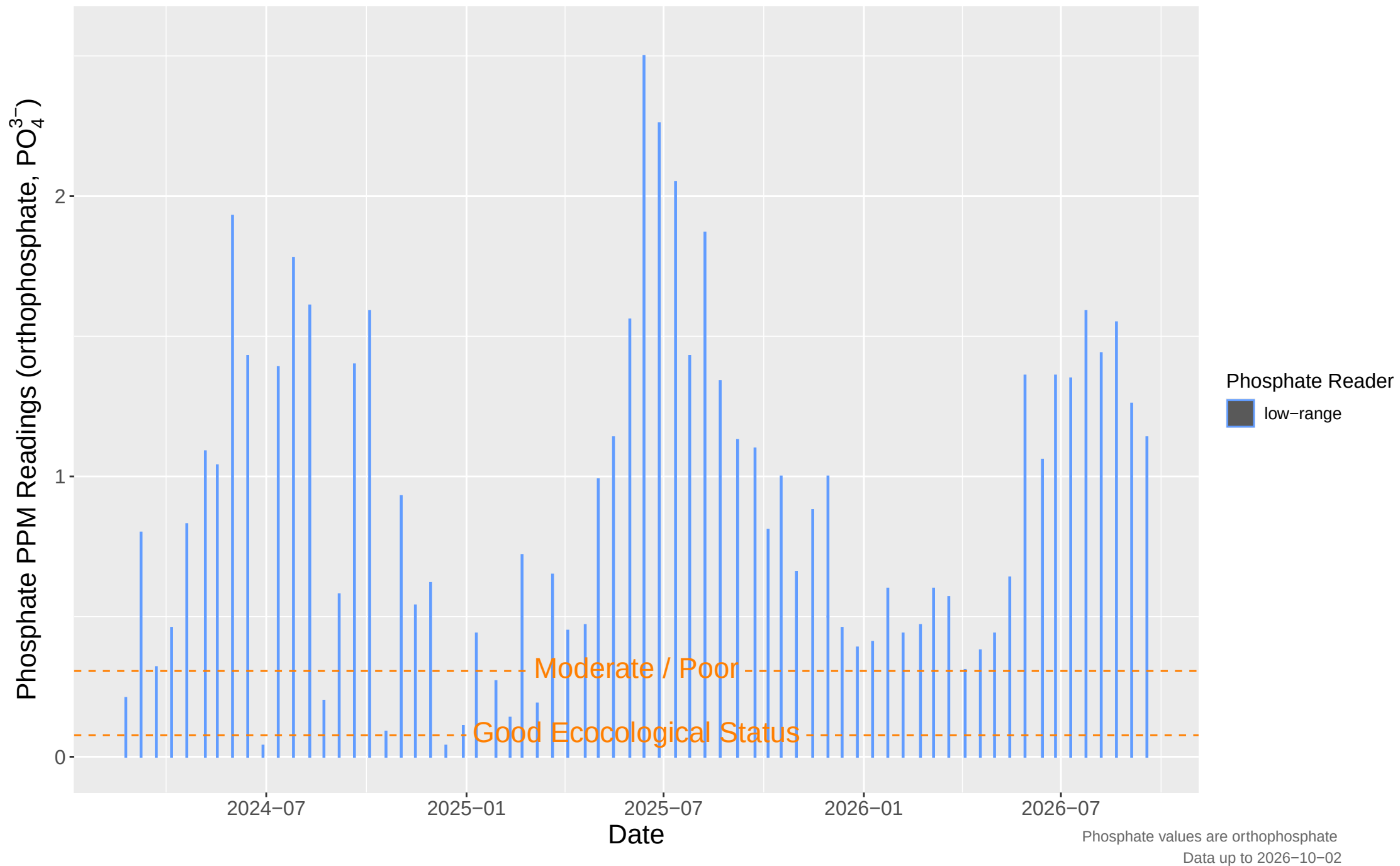
Site: Bow Brook – Peopleton – Mill Bridge

Start Date: 2024-02-23 | Most Recent: 2026-09-18 | Total Samples: 69 | 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	1		0.21	0.21	0.21		0.0	0.0	0.0		305	305	305		6.9	6.9	6.9
Spring 24	7		0.32	0.83	1.93		5.0	5.0	5.0		523	975	1120		9.3	13.3	16.7
Summer 24	6		0.04	1.41	1.78		2.0	5.0	10.0		119	1075	1250		16.0	18.0	18.8
Autumn 24	7		0.09	0.62	1.59		2.0	2.0	5.0		657	1130	1310		7.7	14.2	19.3
Winter 24-25	6		0.04	0.21	0.72		2.0	2.0	2.0		509	957	1000		3.9	8.7	10.7
Spring 25	7		0.19	0.65	1.56		2.0	2.0	5.0		1100	1150	1220		10.7	13.6	18.6
Summer 25	6		1.34	1.96	2.50		2.0	2.0	5.0		943	1065	1210		17.1	21.2	23.7
Autumn 25	8		0.50	0.84	1.13		2.0	5.0	10.0		594	1205	1280		9.2	12.6	18.1
Winter 25-26	6		0.39	0.45	0.60		2.0	5.0	5.0		457	634	969		6.8	8.2	12.4
Spring 26	7		0.31	0.57	1.36		2.0	2.0	5.0		950	1170	1290		10.7	12.5	21.1
Summer 26	6		1.06	1.40	1.59		0.5	1.2	5.0		1030	1070	1180		16.6	18.9	24.1
Autumn 26	2		1.14	1.20	1.26		0.0	0.2	0.5		1040	1055	1070		15.2	16.9	18.5

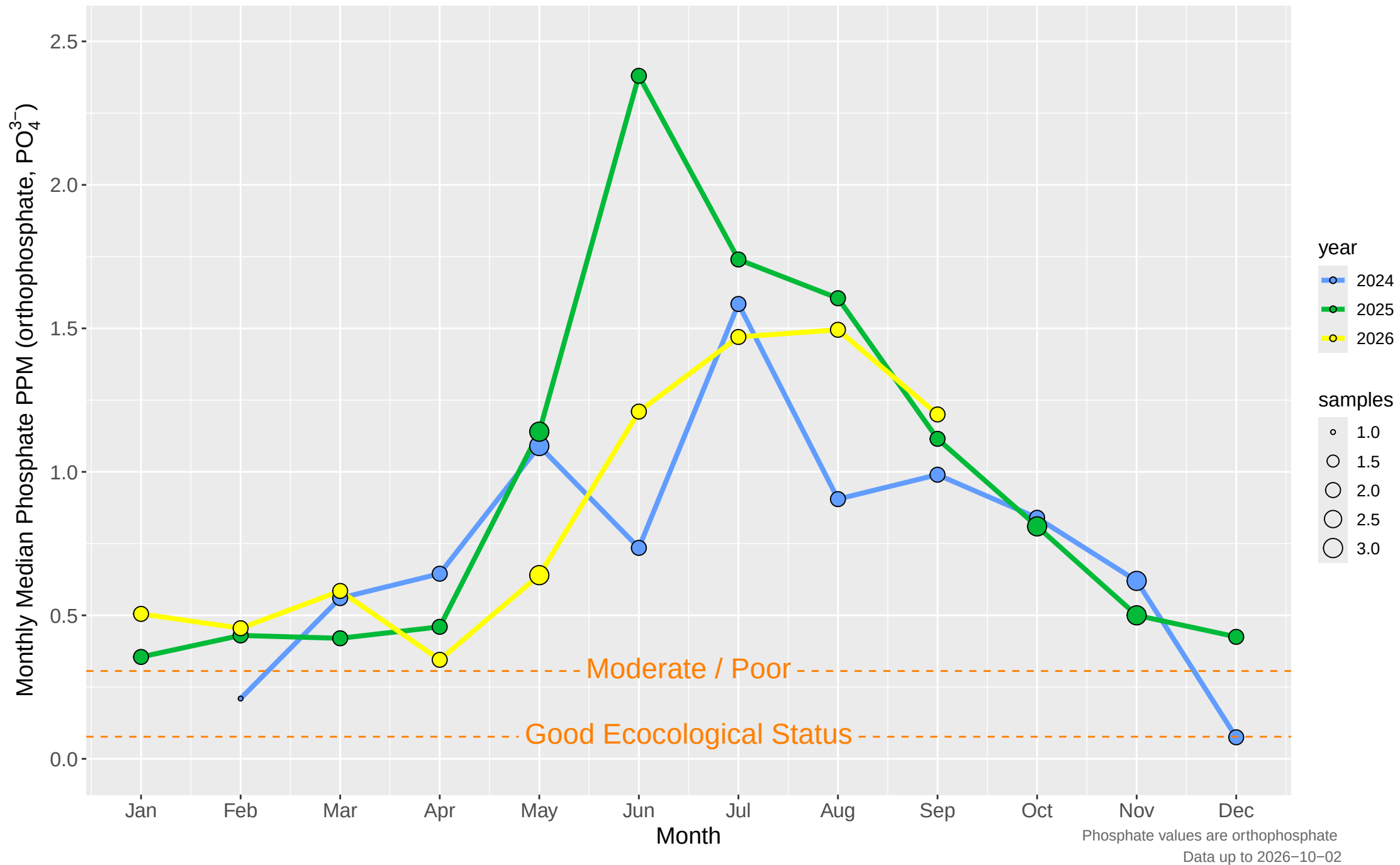
SafeAvon Phosphates – Individual Readings

Bow Brook – Peopleton – Mill Bridge



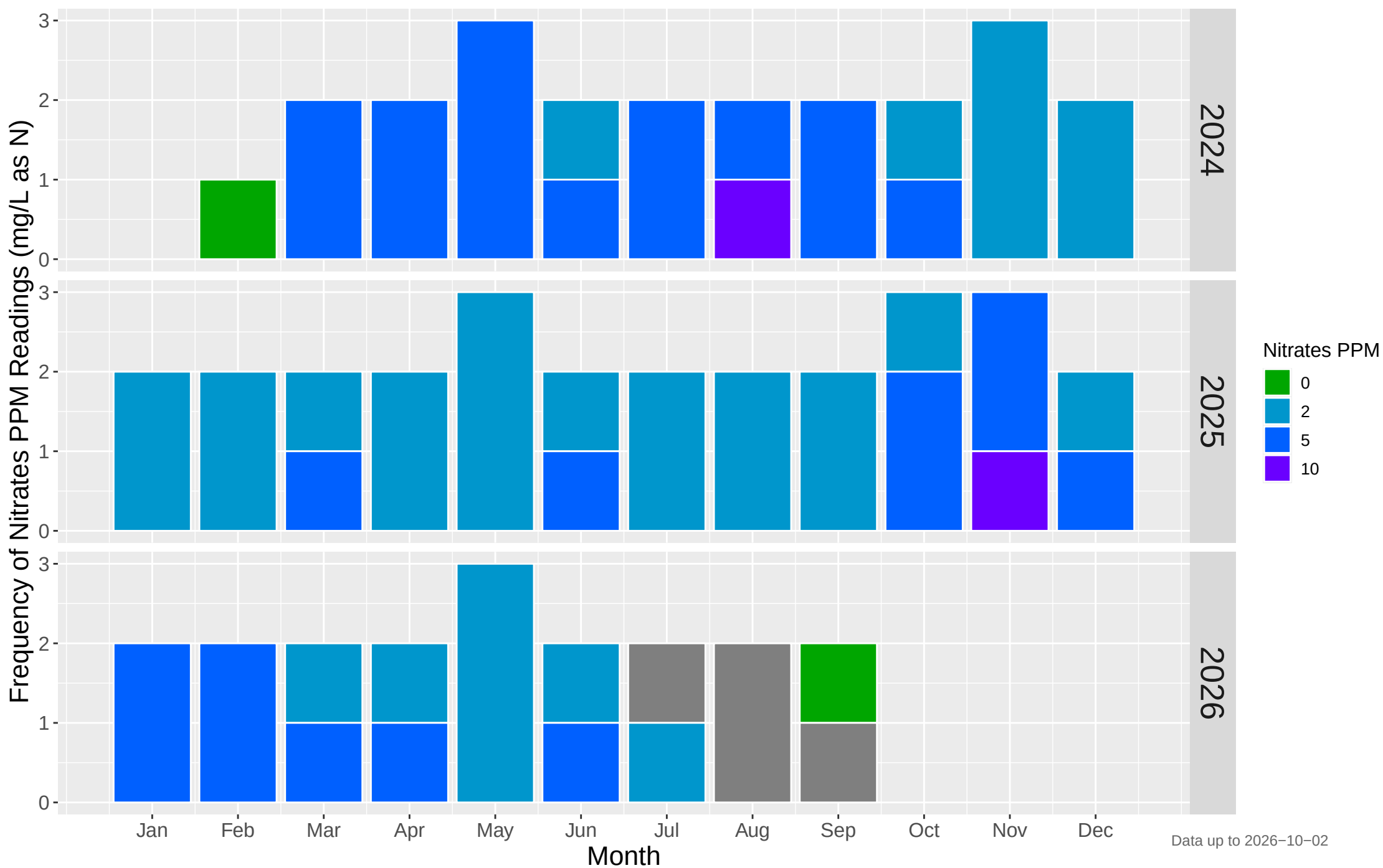
SafeAvon Phosphates – By Month

Bow Brook – Peopleton – Mill Bridge



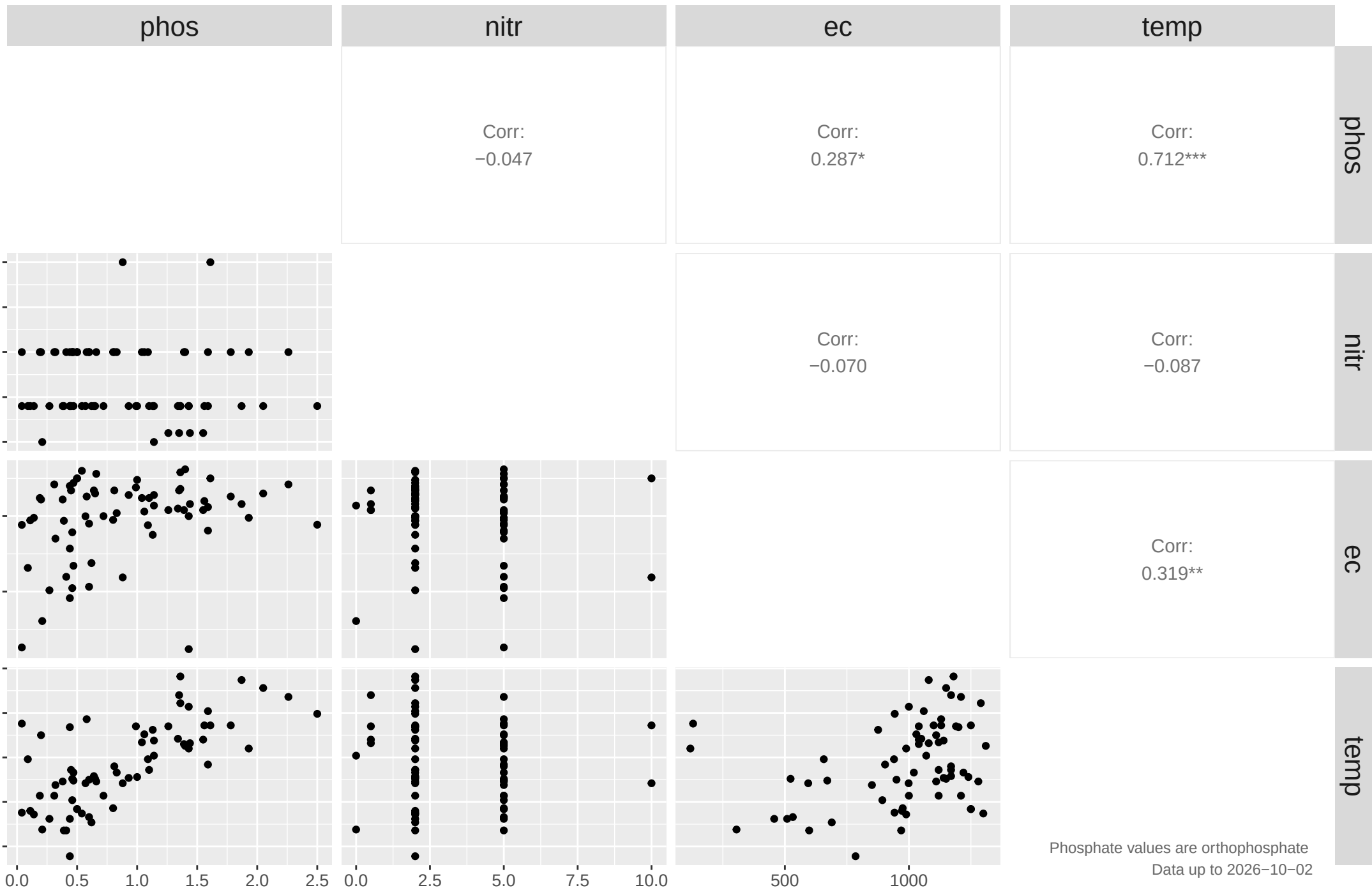
SafeAvon Nitrates By Month

Bow Brook – Peopleton – Mill Bridge



Pairwise Testing Variables Relationships

Bow Brook – Peopleton – Mill Bridge



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