

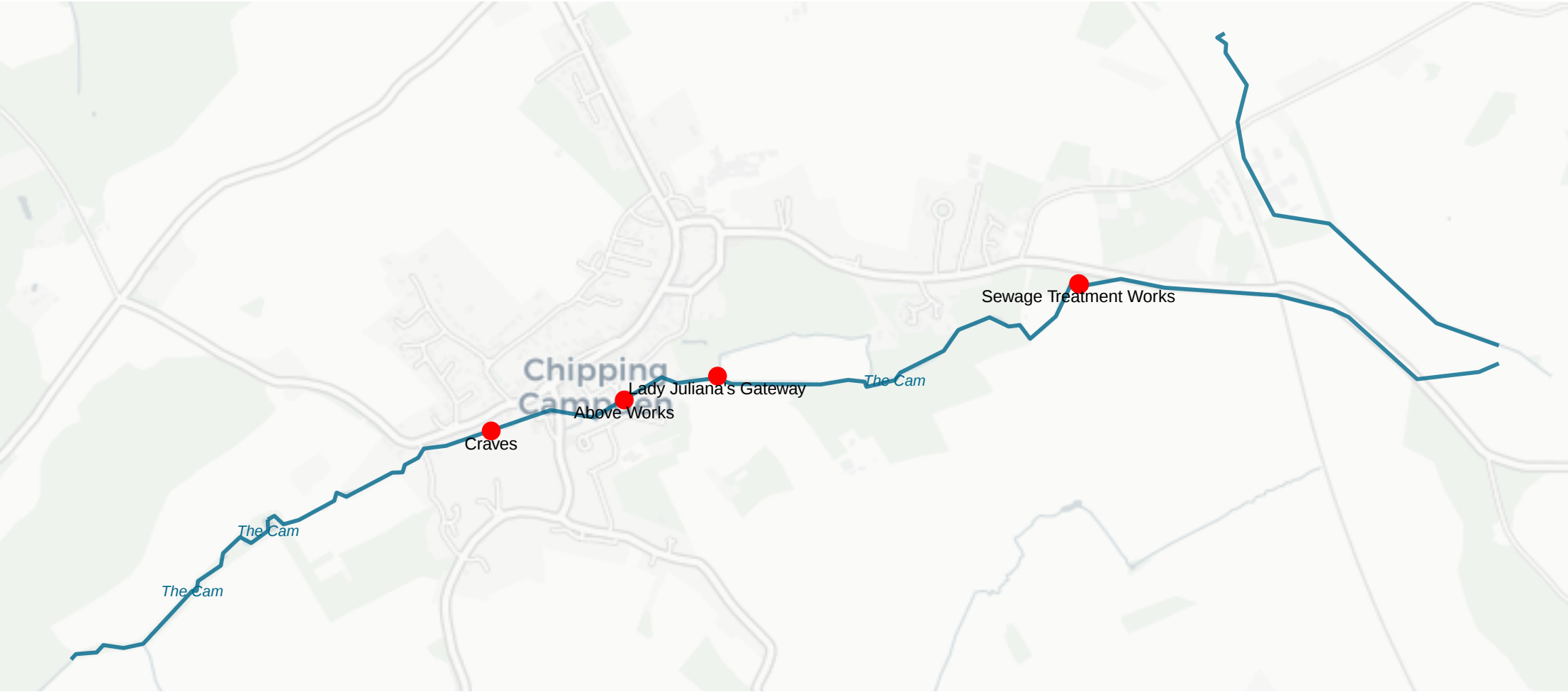
SafeAvon Nutrient Testing Report: Chipping Campden

SafeAvon Sites By Waterway

Cam Brook

- . Chipping Campden – Above Works
- . Chipping Campden – Craves
- . Chipping Campden – Lady Juliana's Gateway
- . Chipping Campden – Sewage Treatment Works
- . Chipping Campden – Works Exit

SafeAvon Locations in Chipping Campden

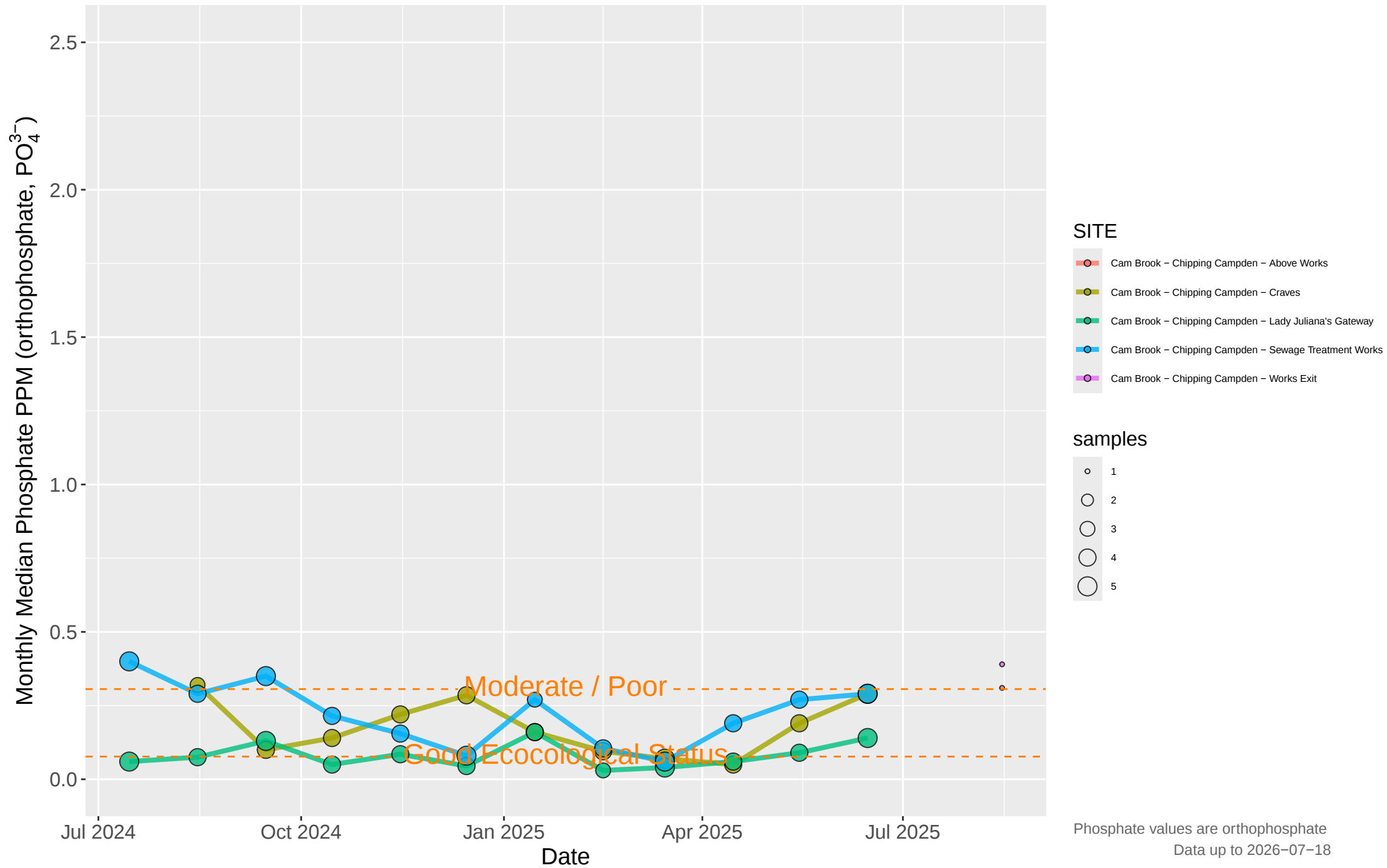


Summary for sites in Chipping Campden

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Cam Brook – Chipping Campden – Above Works	2025-08-20	2025-08-20	1	1	0.31	5
Cam Brook – Chipping Campden – Works Exit	2025-08-20	2025-08-20	1	1	0.39	10
Cam Brook – Chipping Campden – Craves	2024-08-05	2025-06-30	46	1	0.12	5
Cam Brook – Chipping Campden – Lady Juliana's Gateway	2024-07-01	2025-06-30	51	1	0.08	5
Cam Brook – Chipping Campden – Sewage Treatment Works	2024-07-01	2025-06-30	52	1	0.23	2

SafeAvon Phosphates – By Month

Chipping Campden



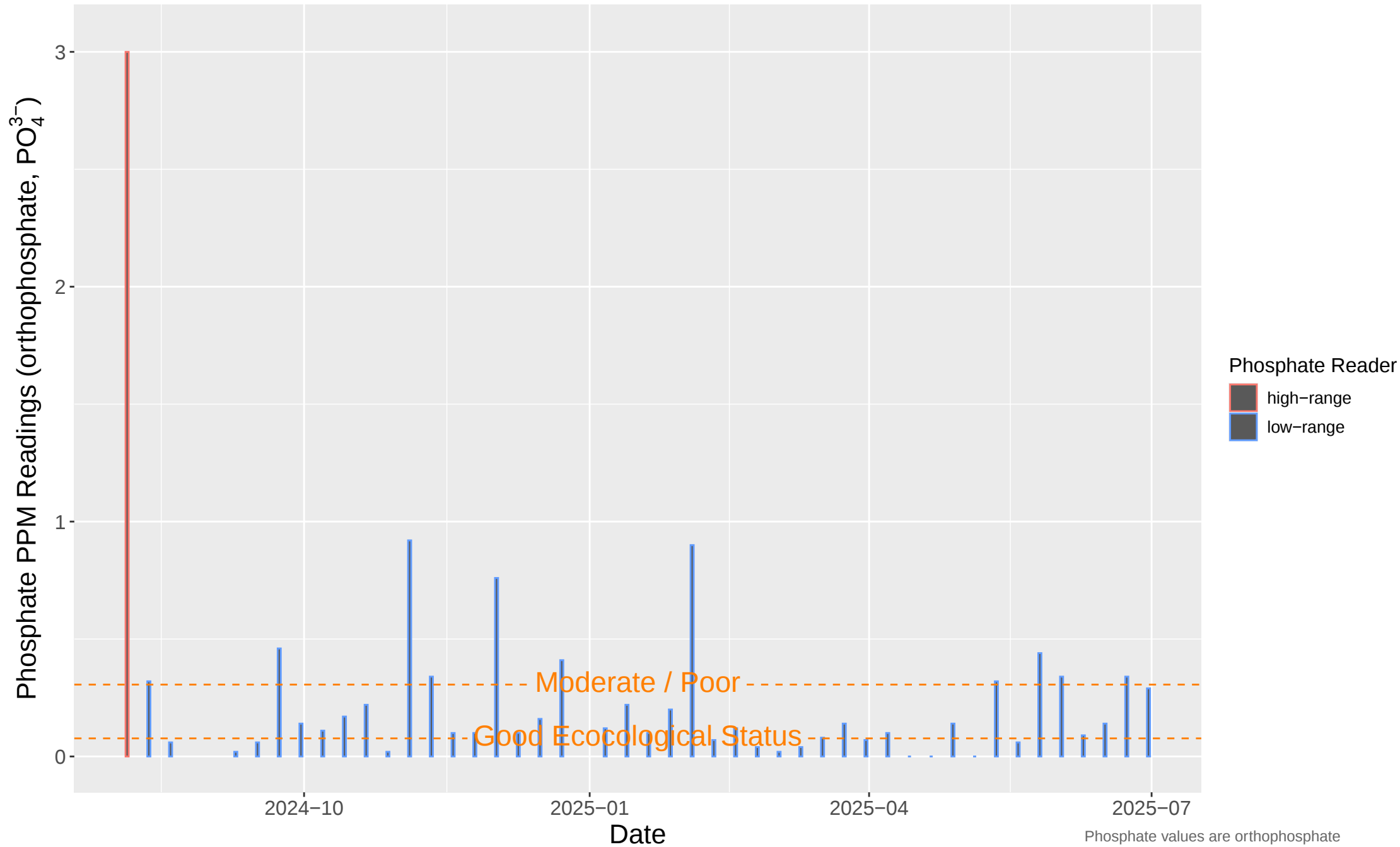
Site: Cam Brook – Chipping Campden – Craves

Start Date: 2024-08-05 | Most Recent: 2025-06-30 | Total Samples: 46 | 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
Summer 24	3		0.06	0.32	3.00		2	2	5		398	421	431		16.6	21.4	23.7
Autumn 24	12		0.02	0.12	0.92		2	5	5		205	434	515		8.7	12.4	17.9
Winter 24-25	13		0.04	0.14	0.90		2	5	5		302	480	502		8.2	9.7	13.4
Spring 25	13		0.00	0.07	0.44		2	5	5		384	484	525		8.6	13.5	17.8
Summer 25	5		0.09	0.29	0.34		5	5	5		160	413	430		16.2	18.5	25.4

SafeAvon Phosphates – Individual Readings

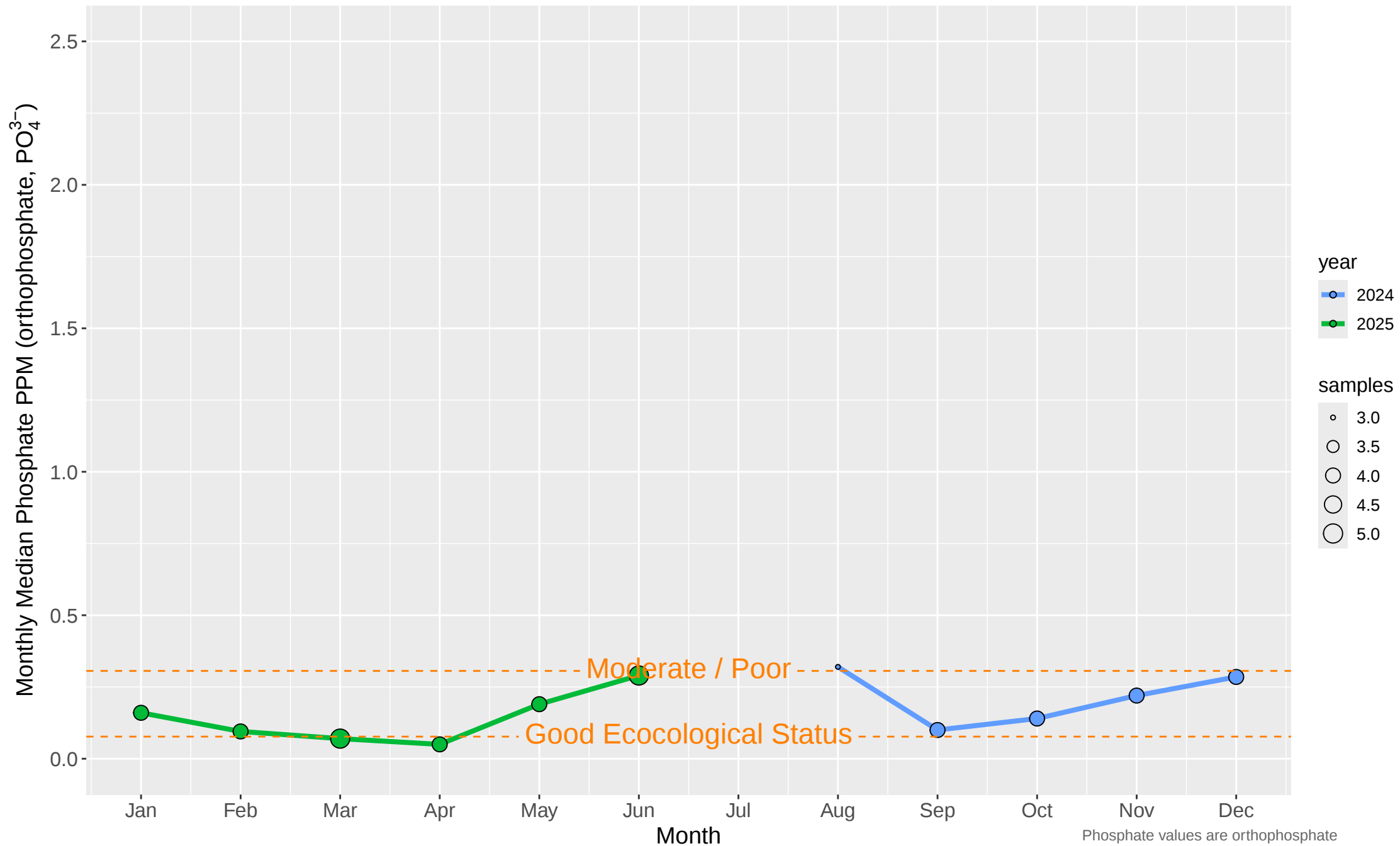
Cam Brook – Chipping Campden – Craves



Note the increased range of the y-axis

SafeAvon Phosphates – By Month

Cam Brook – Chipping Campden – Craves



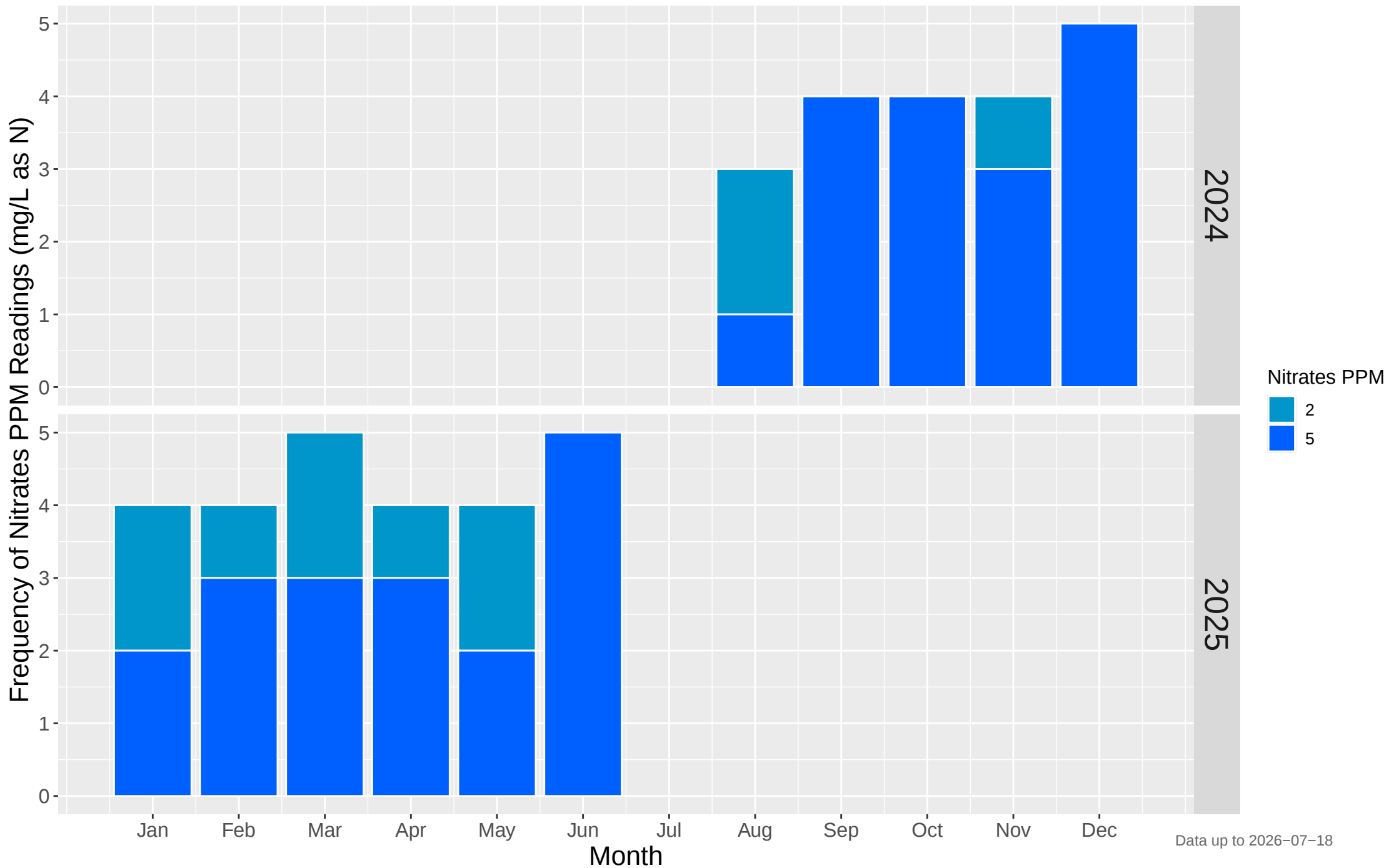
Phosphate values are orthophosphate

Note the increased range of the y-axis

Data up to 2026-07-18

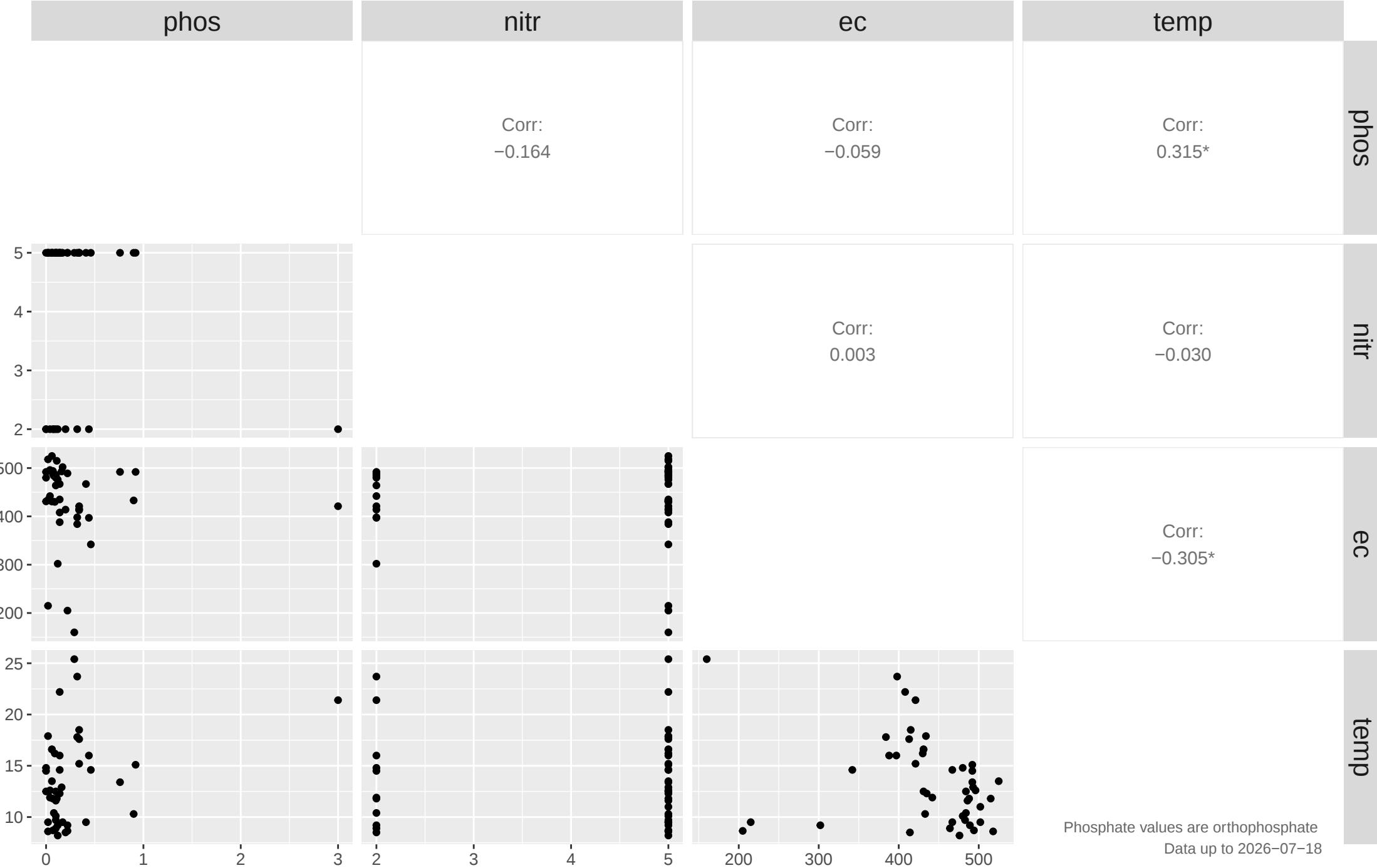
SafeAvon Nitrates By Month

Cam Brook – Chipping Campden – Craves



Pairwise Testing Variables Relationships

Cam Brook – Chipping Campden – Craves



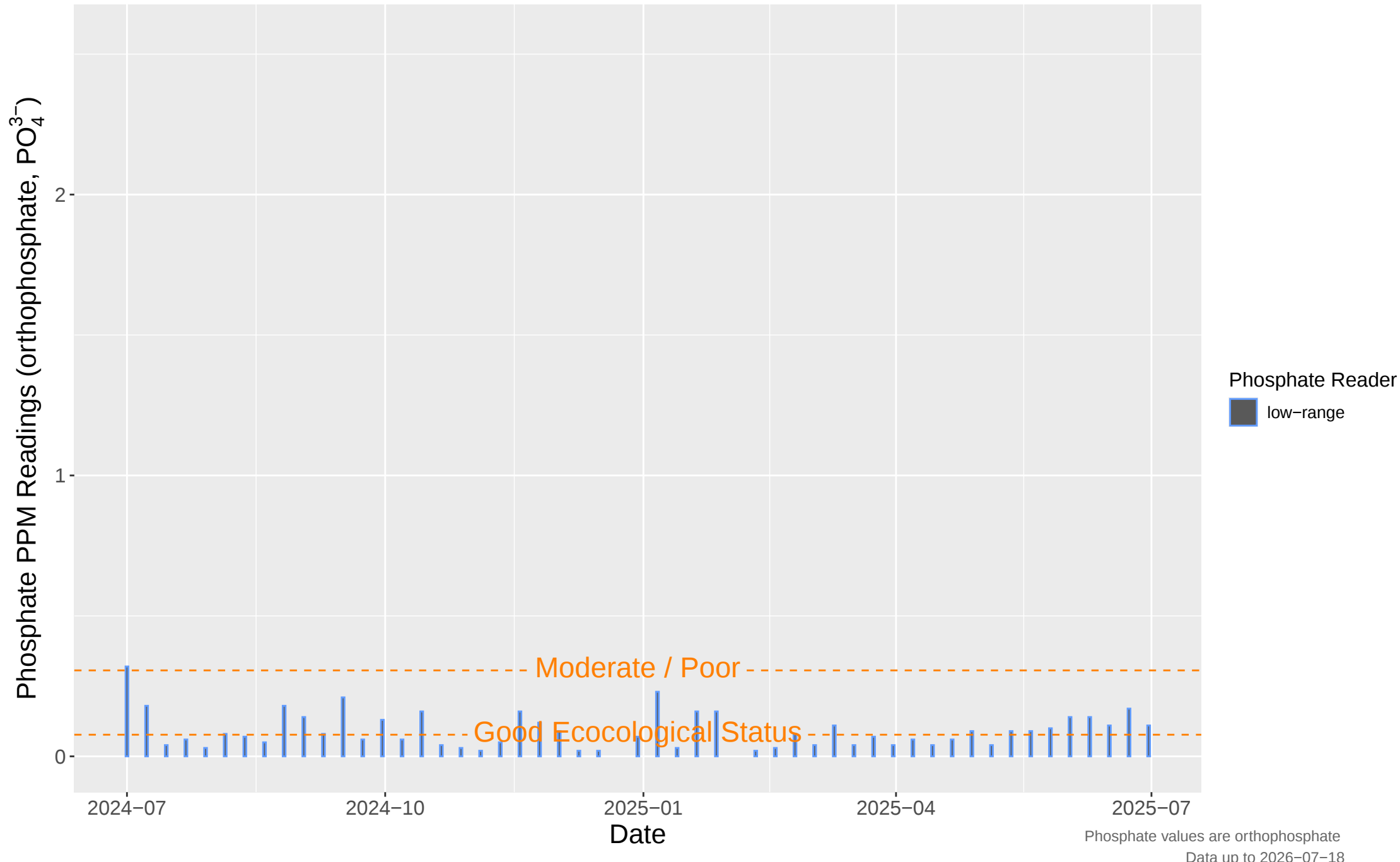
Site: Cam Brook – Chipping Campden – Lady Juliana's Gateway

Start Date: 2024-07-01 | Most Recent: 2025-06-30 | Total Samples: 51 | 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
Summer 24	9		0.03	0.07	0.32		5	5	5		450	494	524		15.3	17.2	20.8
Autumn 24	13		0.02	0.08	0.21		2	5	5		257	530	622		8.6	11.3	17.6
Winter 24-25	11		0.02	0.07	0.23		2	5	5		362	542	552		3.7	6.3	9.1
Spring 25	13		0.04	0.06	0.11		2	5	5		489	529	541		5.4	9.5	15.2
Summer 25	5		0.11	0.14	0.17		2	2	5		478	479	483		14.7	15.2	18.1

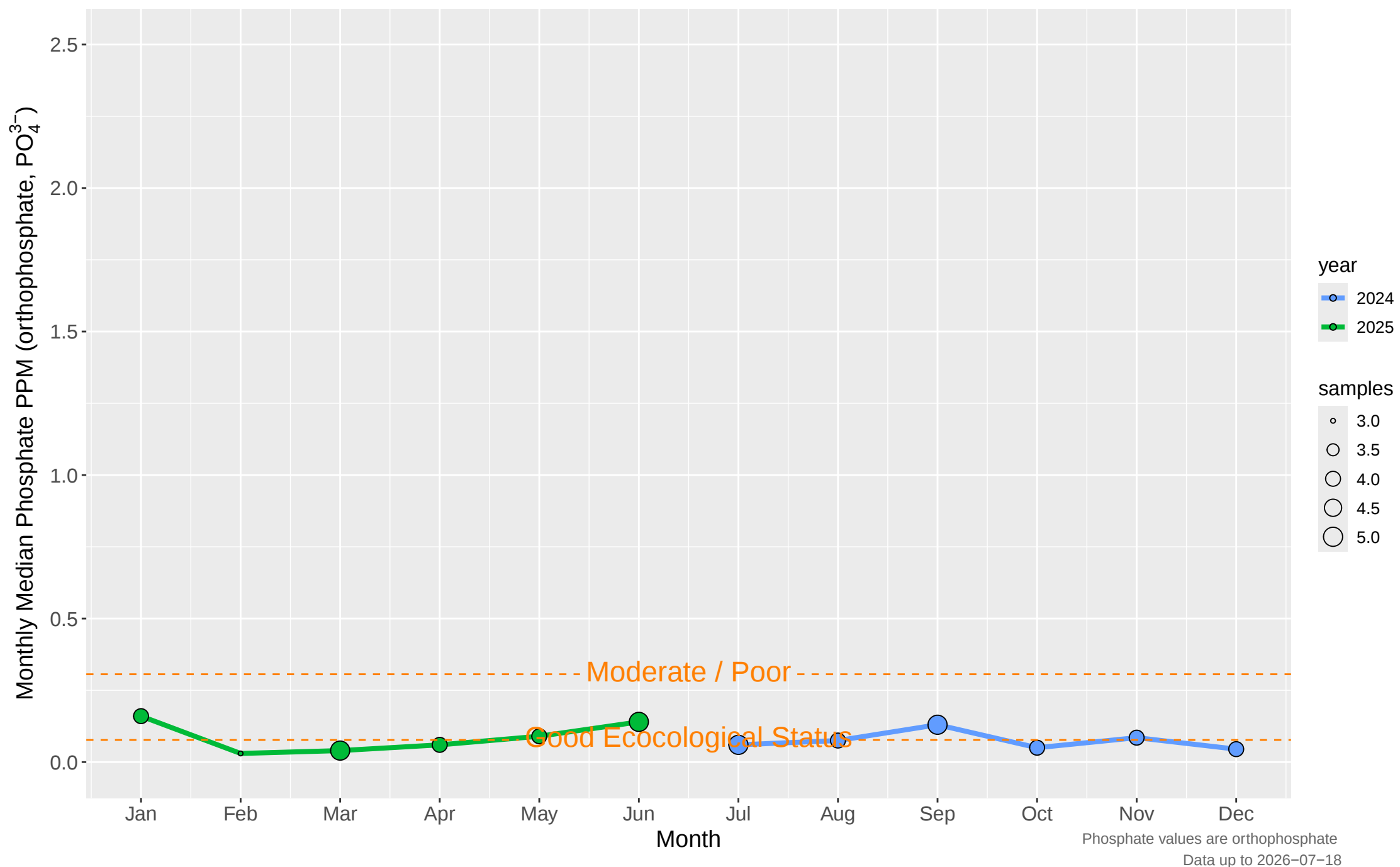
SafeAvon Phosphates – Individual Readings

Cam Brook – Chipping Campden – Lady Juliana's Gateway



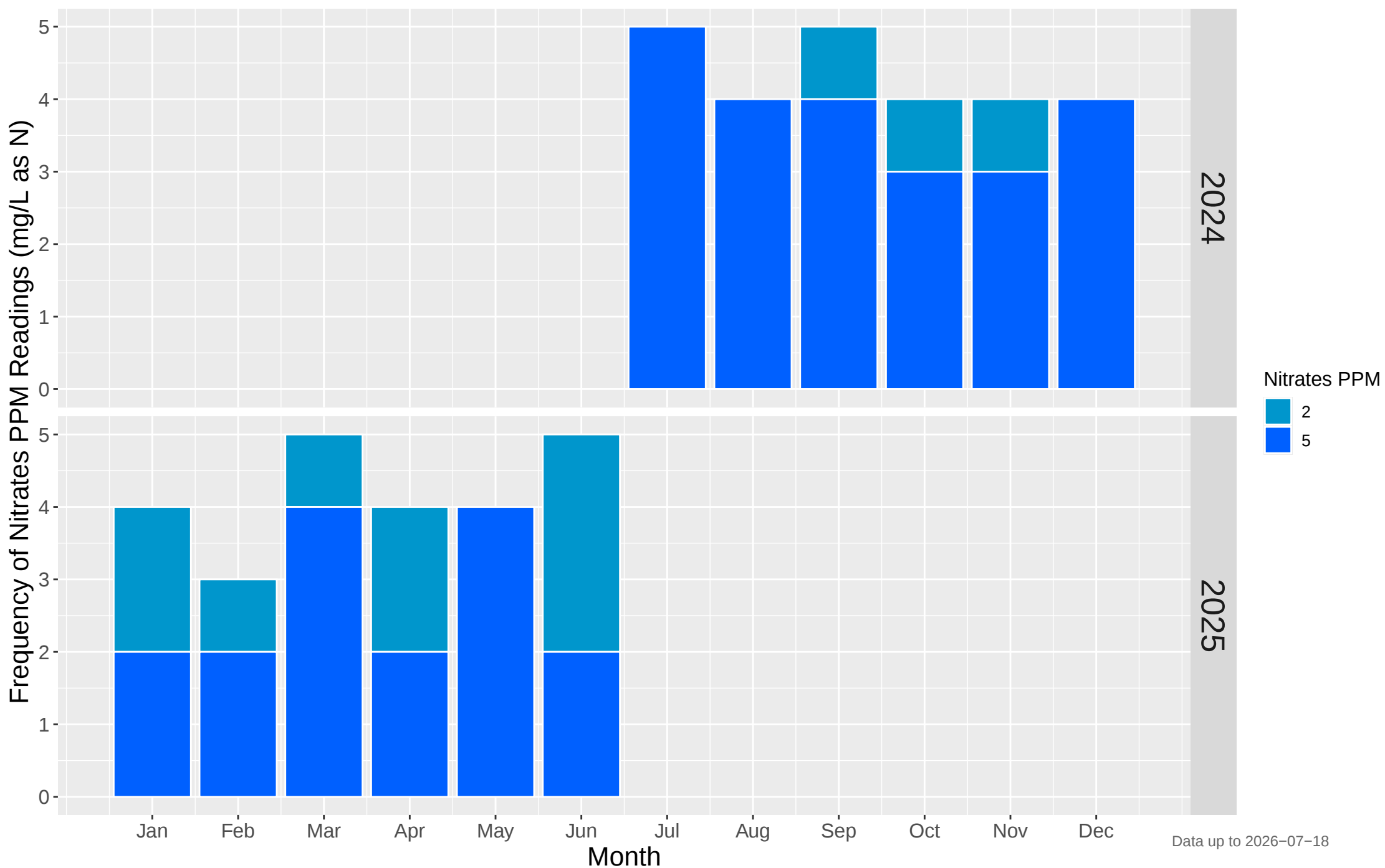
SafeAvon Phosphates – By Month

Cam Brook – Chipping Campden – Lady Juliana's Gateway



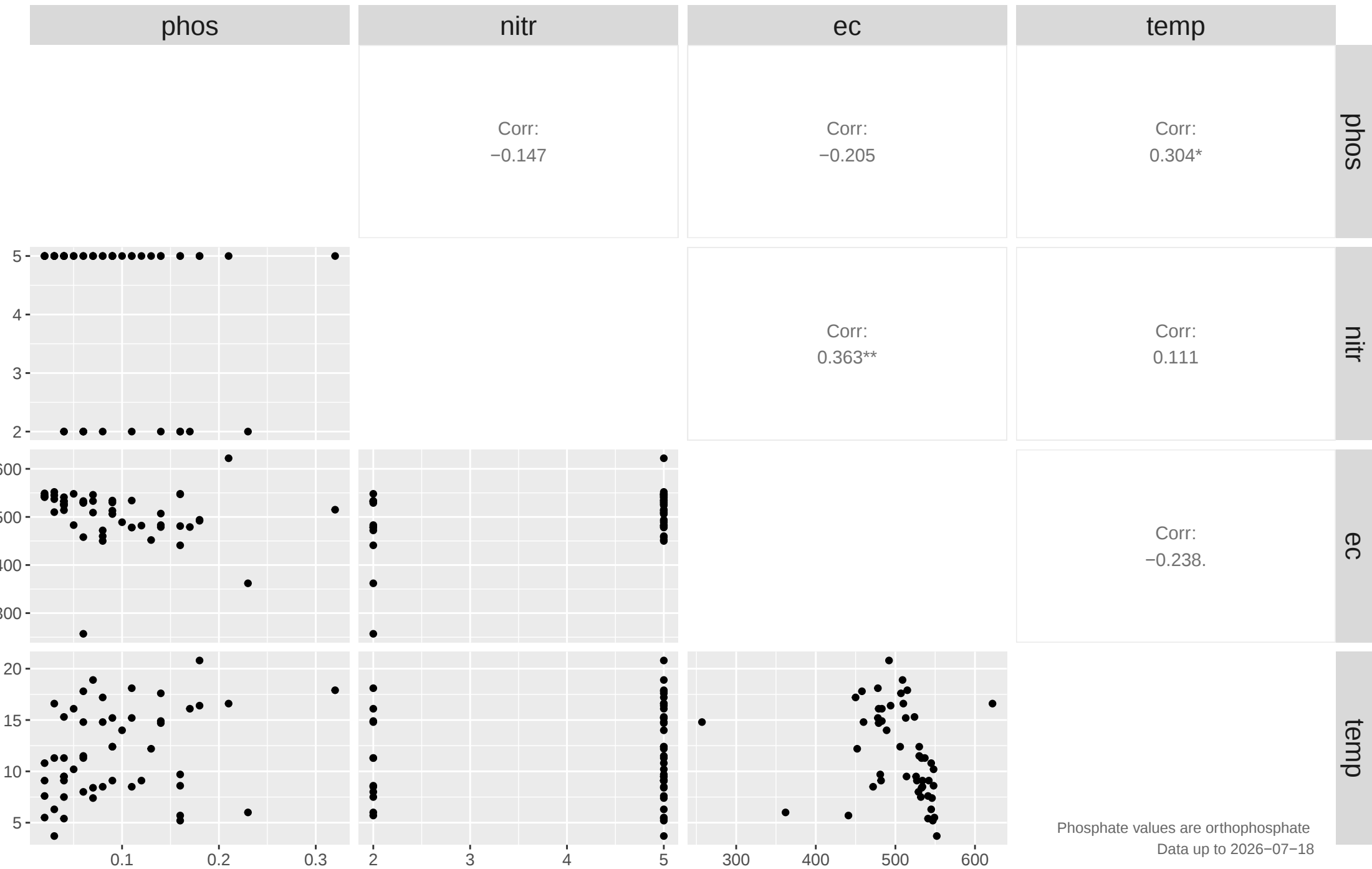
SafeAvon Nitrates By Month

Cam Brook – Chipping Campden – Lady Juliana's Gateway



Pairwise Testing Variables Relationships

Cam Brook – Chipping Campden – Lady Juliana's Gateway



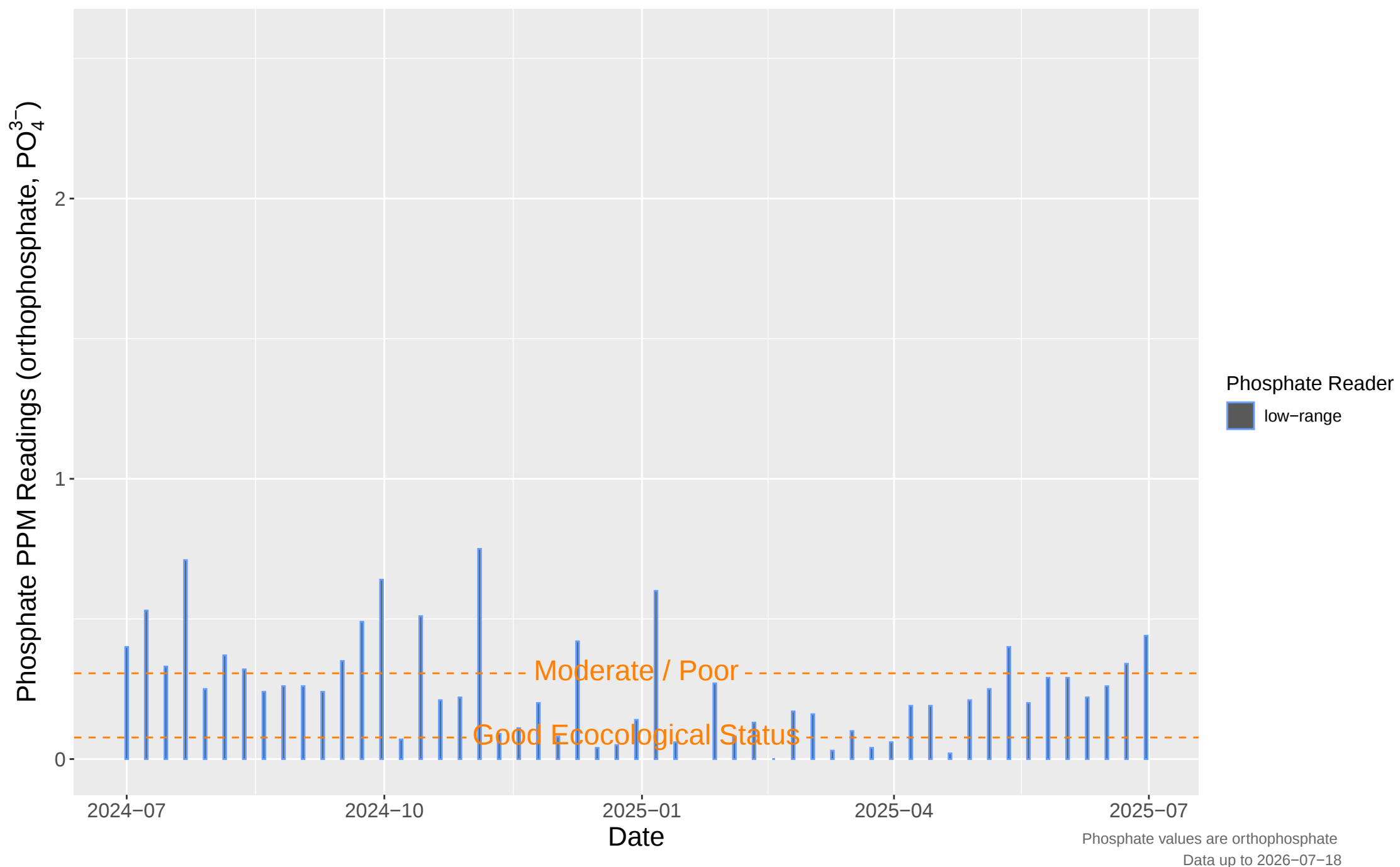
Site: Cam Brook – Chipping Campden – Sewage Treatment Works

Start Date: 2024-07-01 | Most Recent: 2025-06-30 | Total Samples: 52 | 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
Summer 24	9		0.24	0.33	0.71		2	5	5		643	730	765		14.2	15.7	18.6
Autumn 24	13		0.07	0.24	0.75		1	2	5		338	614	792		10.4	12.7	17.2
Winter 24-25	12		0.00	0.11	0.60		1	5	5		311	607	625		6.1	8.6	11.2
Spring 25	13		0.02	0.19	0.40		2	2	5		625	673	756		7.6	11.3	14.4
Summer 25	5		0.22	0.29	0.44		2	2	2		658	754	783		13.4	15.8	18.5

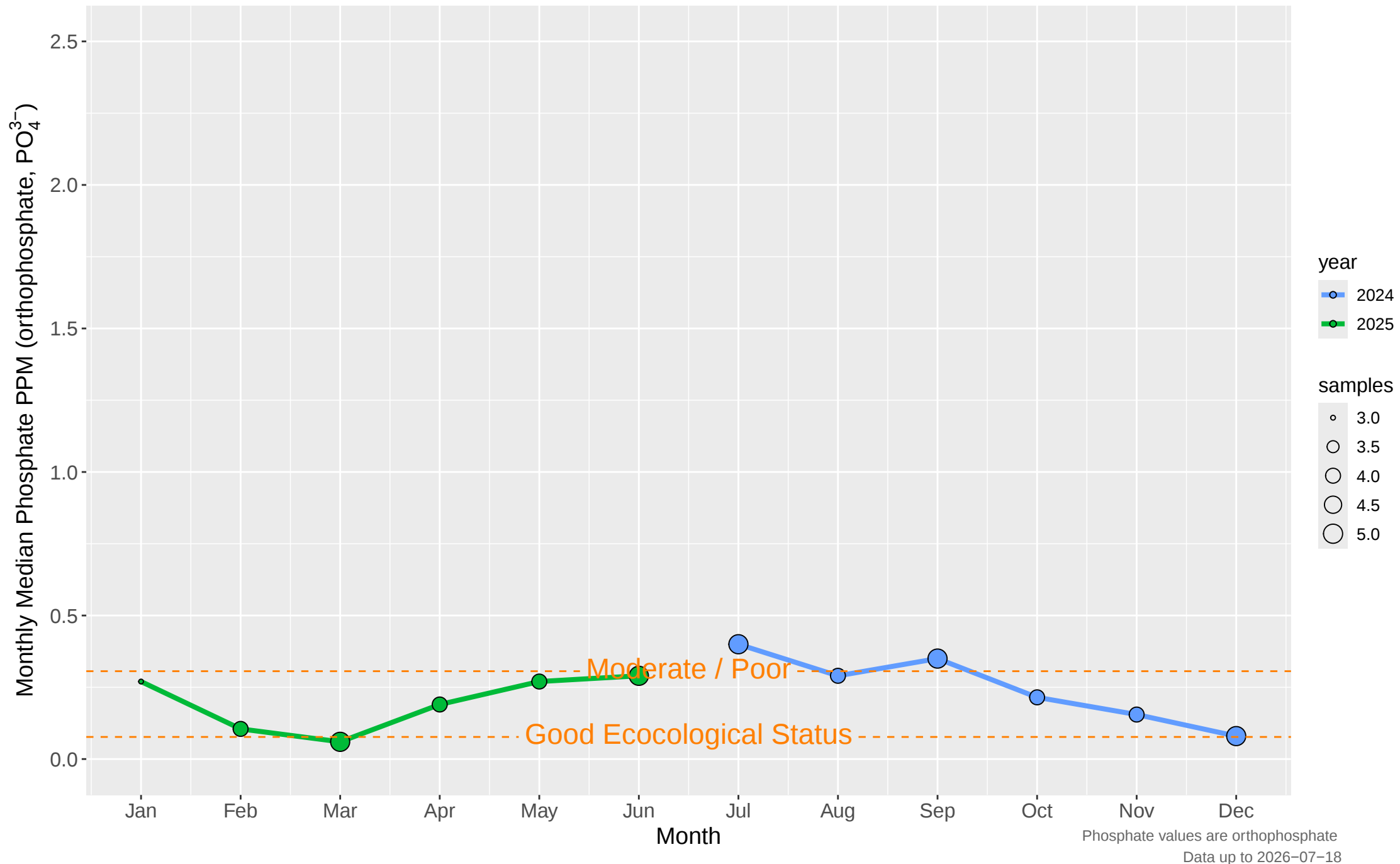
SafeAvon Phosphates – Individual Readings

Cam Brook – Chipping Campden – Sewage Treatment Works



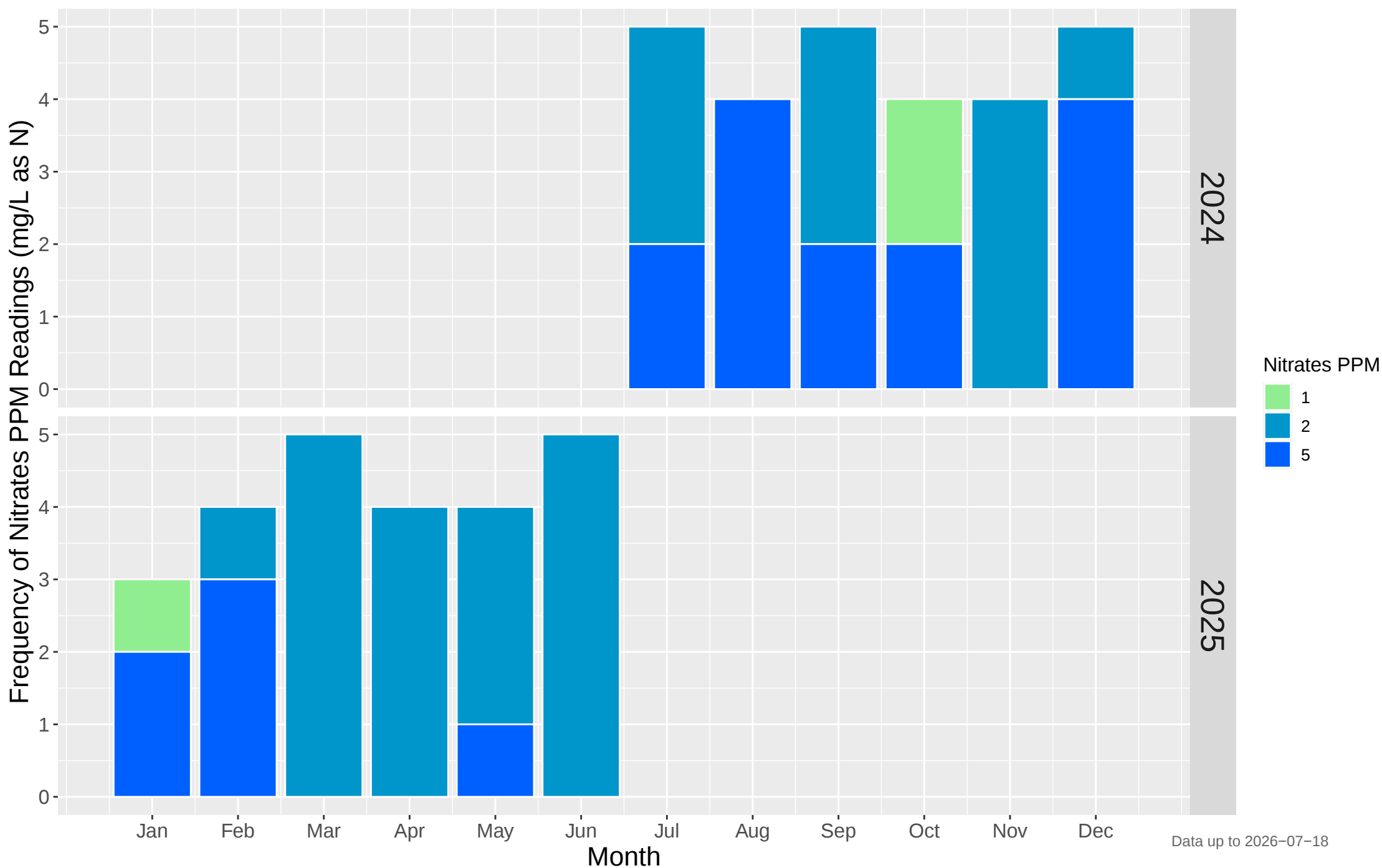
SafeAvon Phosphates – By Month

Cam Brook – Chipping Campden – Sewage Treatment Works



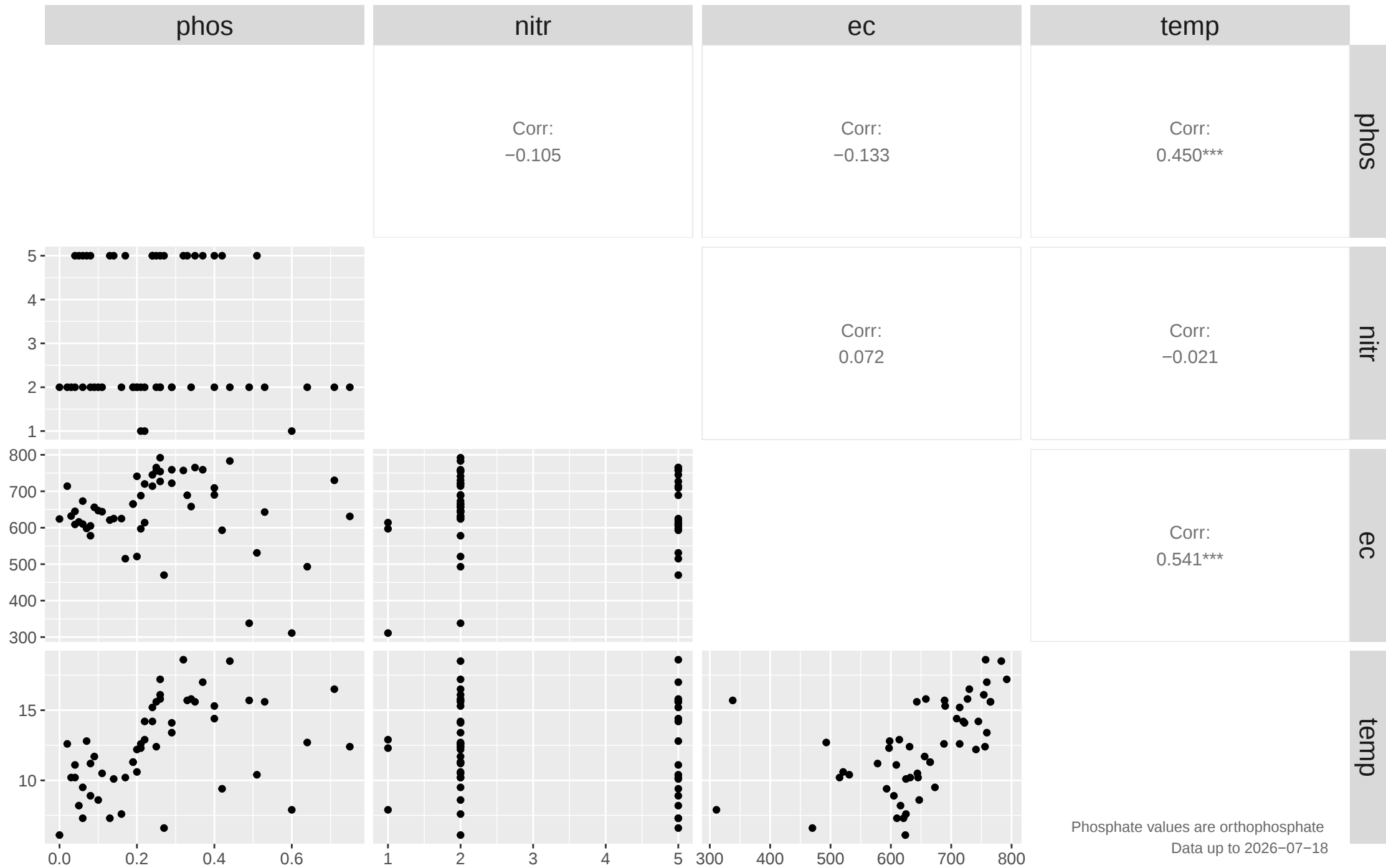
SafeAvon Nitrates By Month

Cam Brook – Chipping Campden – Sewage Treatment Works



Pairwise Testing Variables Relationships

Cam Brook – Chipping Campden – Sewage Treatment Works



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