

SafeAvon Nutrient Testing Report: Aston on Carrant

SafeAvon Sites By Waterway

Carrant Brook

. Aston on Carrant – Footbridge

SafeAvon Locations in Aston on Carrant

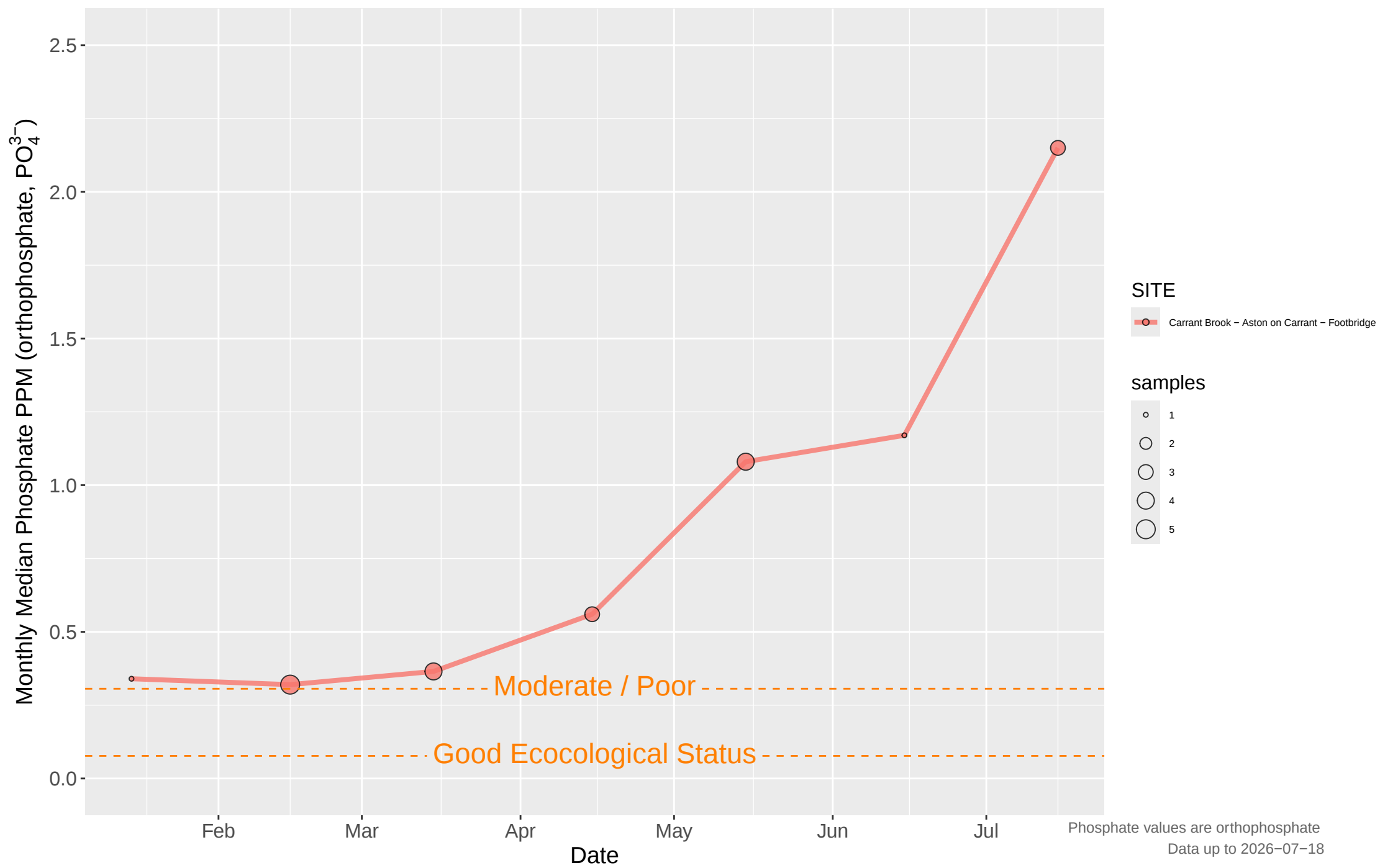


Summary for sites in Aston on Carrant

SITE	Start	Most Recent	Samples	Distinct Volunteers	Median Phosphates PPM	Median Nitrates PPM
Carrant Brook – Aston on Carrant – Footbridge	2026-01-30	2026-07-17	21	3	0.56	5

SafeAvon Phosphates – By Month

Aston on Carrant



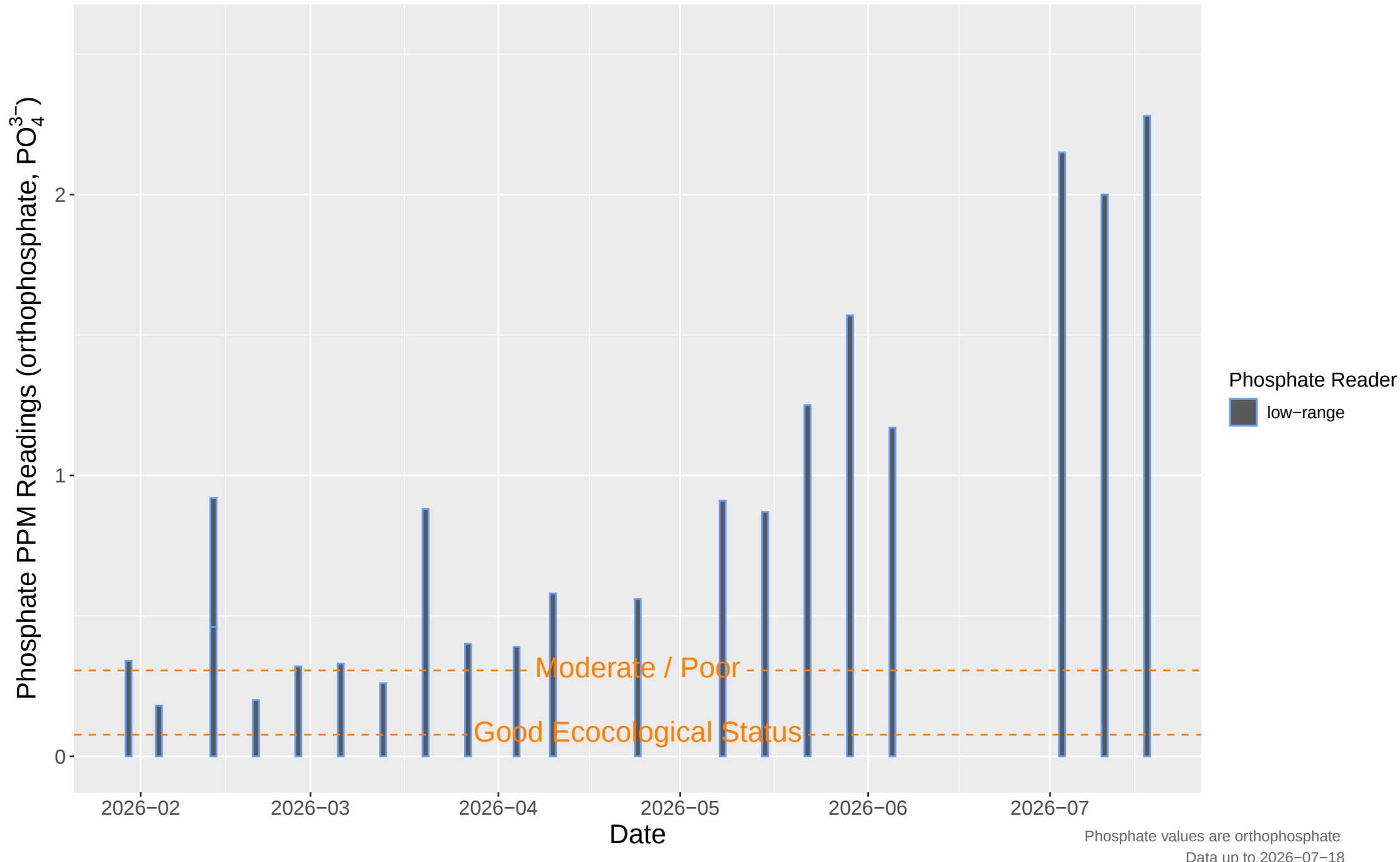
Site: Carrant Brook – Aston on Carrant – Footbridge

Start Date: 2026-01-30 | Most Recent: 2026-07-17 | Total Samples: 21 | Distinct Volunteers: 3

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 25-26	6		0.18	0.33	0.46		5	5	10		2	576	684		7.5	8.9	13.0
Spring 26	11		0.26	0.58	1.57		2	5	5		518	744	783		10.3	13.5	19.5
Summer 26	4		1.17	2.08	2.28		5	5	10		714	841	895		17.7	20.1	24.7

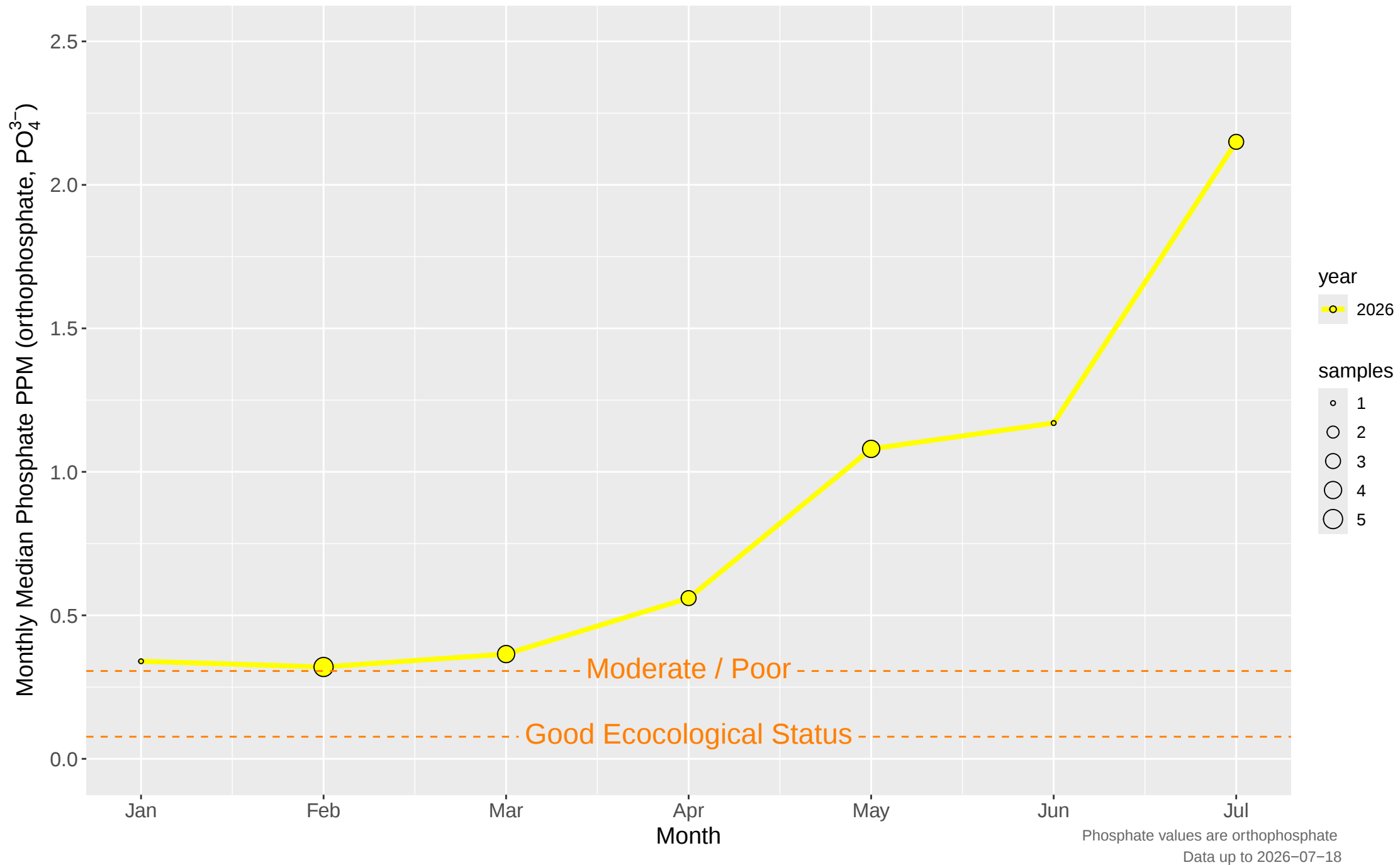
SafeAvon Phosphates – Individual Readings

Carrant Brook – Aston on Carrant – Footbridge



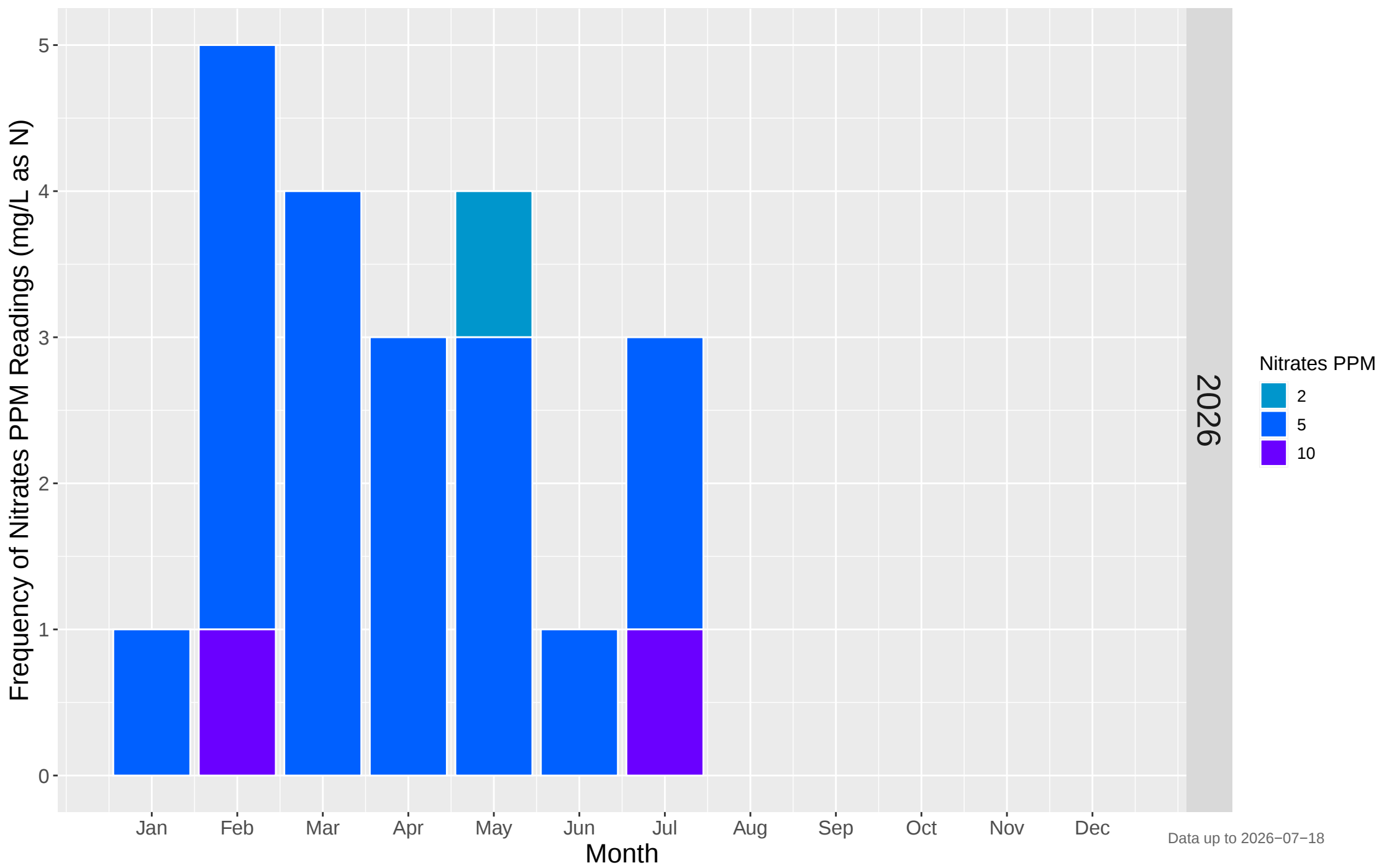
SafeAvon Phosphates – By Month

Carrant Brook – Aston on Carrant – Footbridge



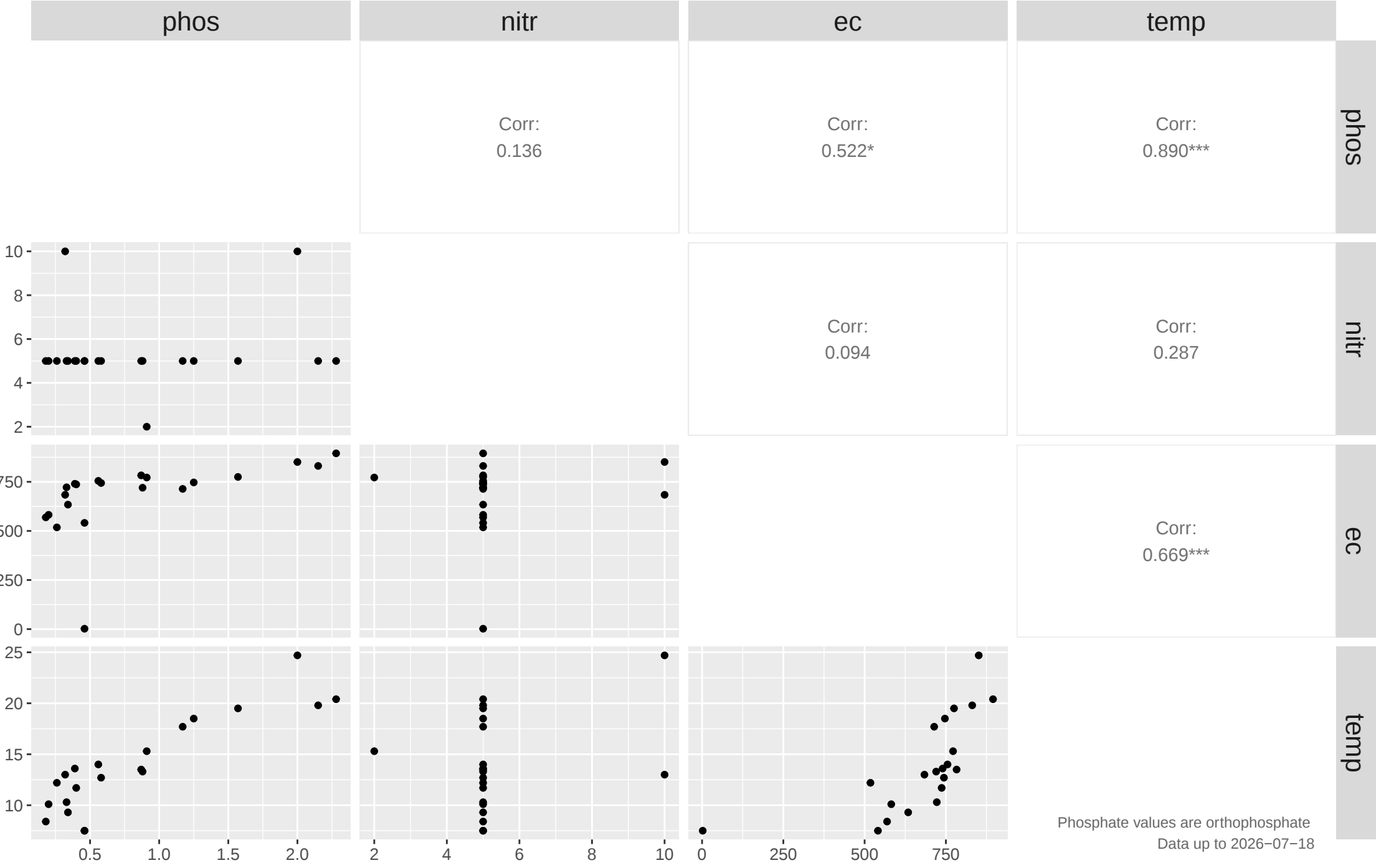
SafeAvon Nitrates By Month

Carrant Brook – Aston on Carrant – Footbridge



Pairwise Testing Variables Relationships

Carrant Brook – Aston on Carrant – Footbridge



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–)

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