

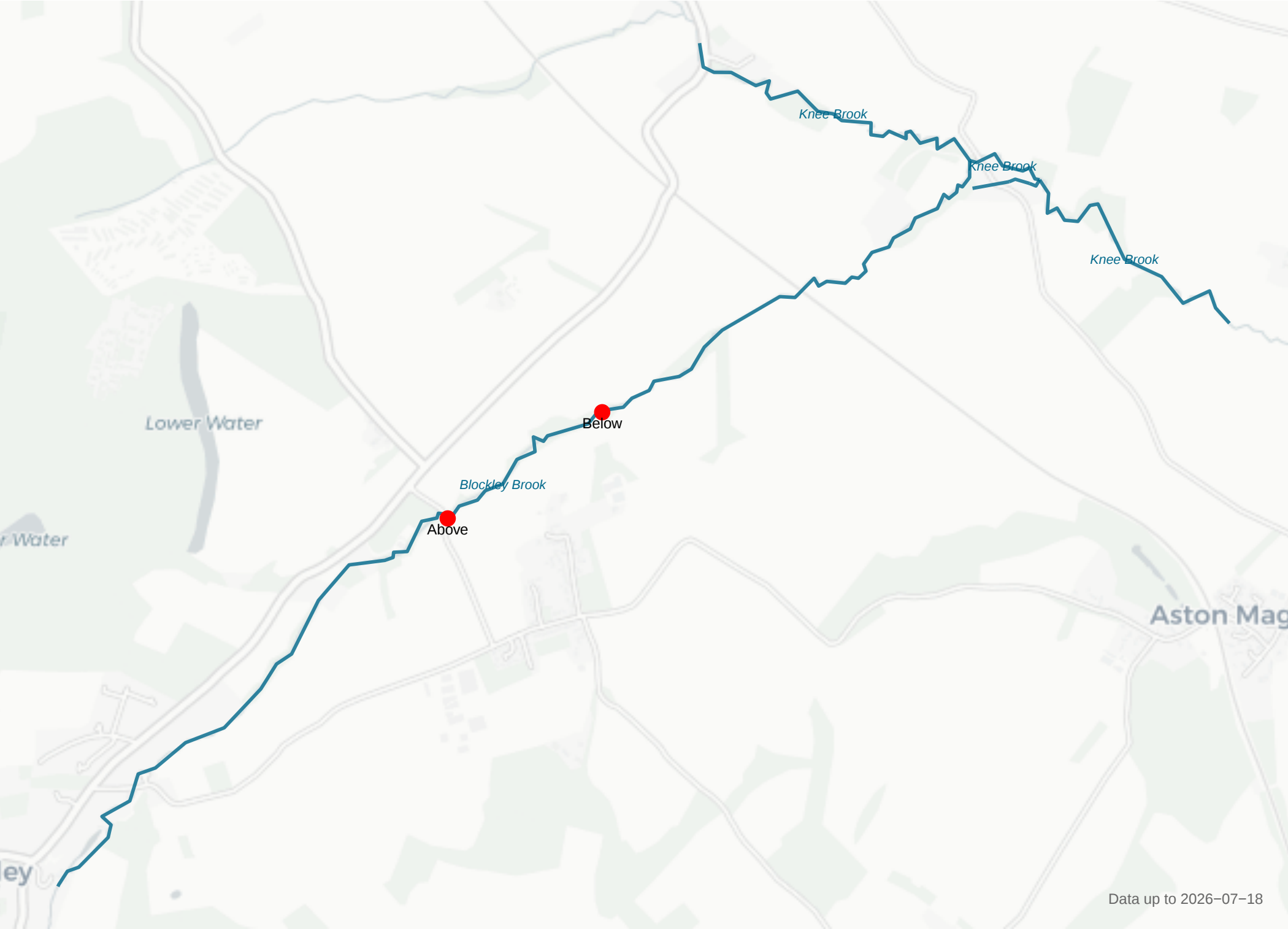
# SafeAvon Nutrient Testing Report: Draycott

## *SafeAvon Sites By Waterway*

### **Blockley Brook**

- . Draycott – Above
- . Draycott – Below

SafeAvon Locations in Draycott

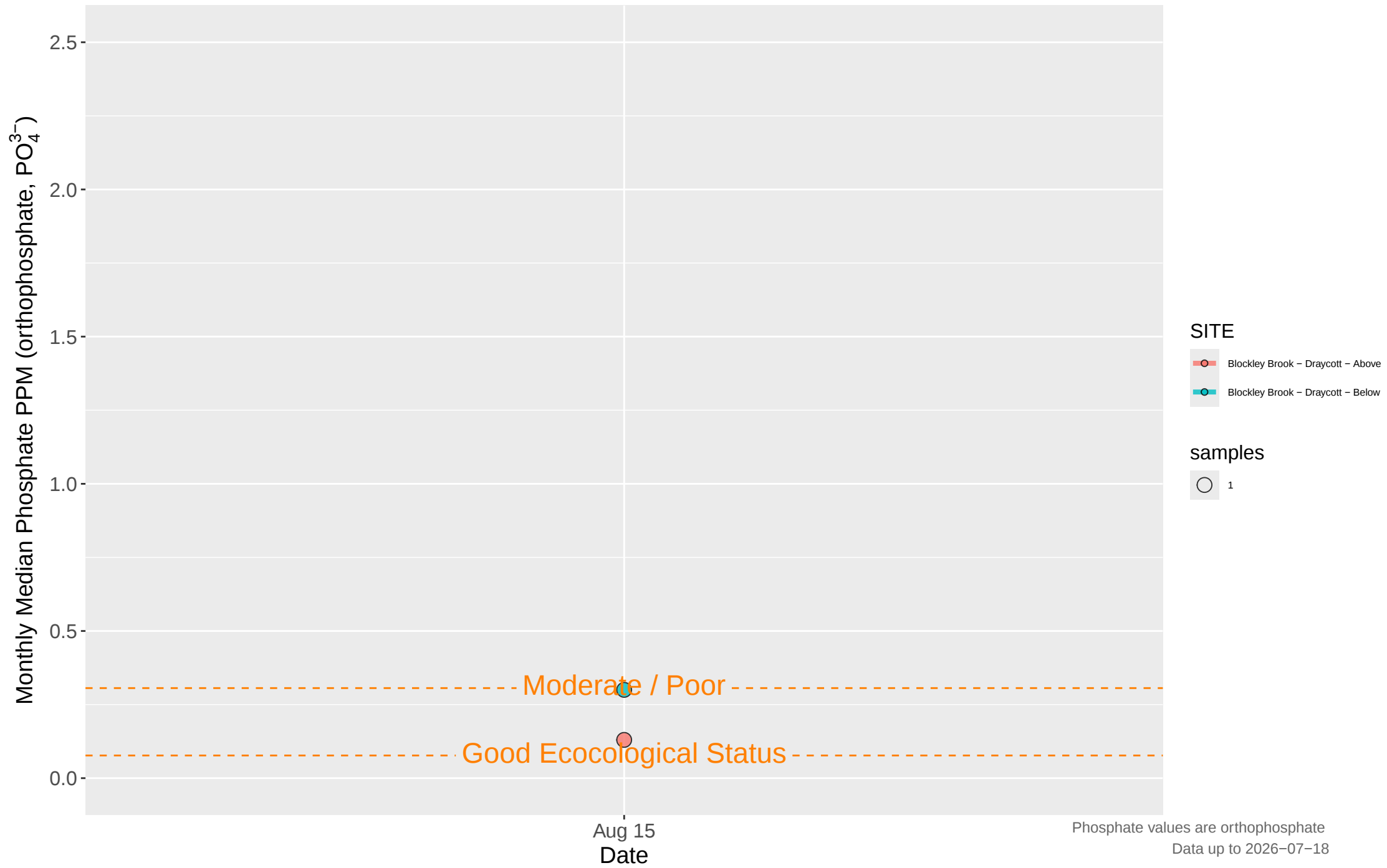


# Summary for sites in Draycott

| SITE                              | Start      | Most Recent | Samples | Distinct Volunteers | Median Phosphates PPM | Median Nitrates PPM |
|-----------------------------------|------------|-------------|---------|---------------------|-----------------------|---------------------|
| Blockley Brook – Draycott – Above | 2025-08-20 | 2025-08-20  | 1       | 1                   | 0.13                  | 5                   |
| Blockley Brook – Draycott – Below | 2025-08-20 | 2025-08-20  | 1       | 1                   | 0.30                  | 10                  |

# SafeAvon Phosphates – By Month

## Draycott



# 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, PO<sub>4</sub><sup>3–</sup>)

- 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](https://safeavon.org.uk/?page_id=151)