

# MONITORING OF THE PAR RIVER AND ITS TRIBUTARIES

The monitoring group operates under the citizen science scheme run by the Westcountry Rivers Trust. Comments and opinions in this report are those of the authors only.

## APRIL 2025



Heavy rain caused the Par River to flood near Minorca Lane, submerging the footpath (on the right) and making it impassable for the first time since monitoring began in 2020.

CONTENT	PAGES
A. APRIL 2025 FINDINGS AT A GLANCE – TO SAVE HAVING TO READ IT ALL!	2-3
B. RAINFALL, RIVER LEVELS AND FLOW	4-7
C. APRIL 2025 MONITORING POINTS	8-9
D. TEMPERATURE	9-11
E. TOTAL DISSOLVED SOLIDS	12-14
F. TURBIDITY	15-17
G. PHOSPHATES	18-20
H. WILDLIFE & INVASIVE PLANTS	21-22
I. POLLUTION SOURCES, INCLUDING SOUTH WEST WATER STORM OVERFLOWS	23-27
J. OUR GROUP AND SUPPORTERS	27

## A. OUR APRIL 2025 FINDINGS AT A GLANCE (SEE SECTIONS C TO I FOR FULL PICTURE)

### 1. Data

We sampled at 16 locations between 14<sup>th</sup> and 22nd April 2025. The **red** highlighting shows results of concern.

CRITERIA	UPPER PAR (UPSTREAM OF CONFLUENCE WITH BOKIDDICK STREAM NEAR BLACK HILL CAR PARK) 5 TESTING LOCATIONS	LOWER PAR (FROM CONFLUENCE WITH BOKIDDICK STREAM TO SEA) 3 TESTING LOCATIONS	TRIBUTARIES OF UPPER PAR (CARBIS STREAM, MOLINNIS STREAM, TRESKILLING STREAM, BOKIDDICK STREAM) 6 TESTING LOCATIONS (5 for Temp. and TDS)*	TRIBUTARY OF LOWER PAR (POLMEAR STREAM) 2 TESTING LOCATIONS
TEMPERATURE ° CELSIUS (SHOULD NOT EXCEED 18° CELSIUS)	Mean 10.8 Median 11.7 Min 9.2 Max 12	Mean 12.63 Median 12.7 Min 12.4 Max 12.8	Mean 11.73 Median 12 Min 9.6 Max 13	Mean 15.65 Median 15.65 Min 14 Max 17.3
TOTAL DISSOLVED SOLIDS PPM (SHOULD NOT EXCEED 300 PPM)	Mean 58 Median 60 Min 48 Max 67	Mean 115.66 Median 66 Min 61 Max 220	Mean 67.33 Median 60 Min 50 Max 115	Mean 138 Median 138 Min 108 Max 168
TURBIDITY (SHOULD BE <12 ON SECCHI TUBE. FOR AVERAGING ANY READING <12 IS COUNTED AS 0)	Mean 9.2 Median 14 Min 0 Max 17	Mean 19 Median 19 Min 17 Max 21	Mean 8.33 Median 0 Min 0 Max 50	Mean 8.5 Median 8.5 Min 0 Max 17
PHOSPHATES PPB (SHOULD NOT EXCEED 100 PPB)	Mean 80 Median 0 Min 0 Max <b>200</b>	Mean <b>166.66</b> Median <b>200</b> Min 100 Max <b>200</b>	Mean 0 Median 0 Min 0 Max 0	Mean 50 Median 50 Min 0 Max 100
RIVERFLY SCORE (TRIGGER LEVEL AT LRM SHOULD BE ≥ 6)	RIVERFLY SURVEYS WILL RESUME IN MAY 2025. THE RIVER WAS TOO HIGH AND FAST FOR A SURVEY THIS MONTH.			
WILDLIFE EVIDENCE	HEARD: Chaffinch, Wren, Blue Tit, Carrion Crow, Robin, Grey Wagtail, Goldcrest, Blackbird,, Great Tit, Willow Warbler, Greenfinch, Dunnock, Wood Pigeon, Jackdaw, Blackcap SEEN: Jay, Pheasant, Fox	HEARD: Wren SEEN: Dipper, Grey Wagtail, Cormorant, Herring Gull	HEARD: Wren, Blue Tit, Chaffinch, Robin, Blackcap, Willow Warbler, Great Tit SEEN: .	Robin, Wren, Blackbird, Chaffinch, Great Tit, Blue Tit, Coal Tit
INVASIVE PLANTS	Hemlock Water Dropwort, Japanese Knotweed	Hemlock Water Dropwort	Hemlock Water Dropwort, Japanese Knotweed	Hemlock Water Dropwort

## 2. Key points

### (a) Positive signs

Wildlife sightings, including a Dipper and Grey Wagtails, which are positive indicators for river water quality. The establishment of beavers near Helman Tor will hopefully stimulate biodiversity.

### (b) Points of concern

(i) Phosphate readings on the main river from Luxulyan allotments downstream were lower than last month but still *Too High* according to Westcountry Rivers trust's guidance. The level of phosphates on this stretch is in inverse proportion to the river level.

(ii) Smell at Cam Bridges.

(iii) While the heavy rain, and subsequent high river levels, diluted phosphate levels, it also triggered SWW's sewage discharges, especially from the overflow at the St Austell North STW at Luxulyan (see later). For example, one spill from that facility began at 11:16 on 15<sup>th</sup> April and ceased 46 hours and 58 minutes later at 10:15 on 17<sup>th</sup> April. This facility is the one responsible for the vast majority of spills and these seem to occur with every heavy rainfall.

(iv) The main river is too straight. Combined with the granite geology of the area, it means that high rainfall causes the level to rise quickly. Increased weather volatility and intensity of rainfall linked to the climate crisis make such events more serious and raise the risk of flooding. Fortunately, the flooding at Bridges appears to have been prevented by improved drainage, but for the first time since starting river monitoring in 2020 it was impossible to reach Minorca Lane from the footpath coming from Higher Menadue on the same day that other monitoring occurred..

### (c) Areas for further research

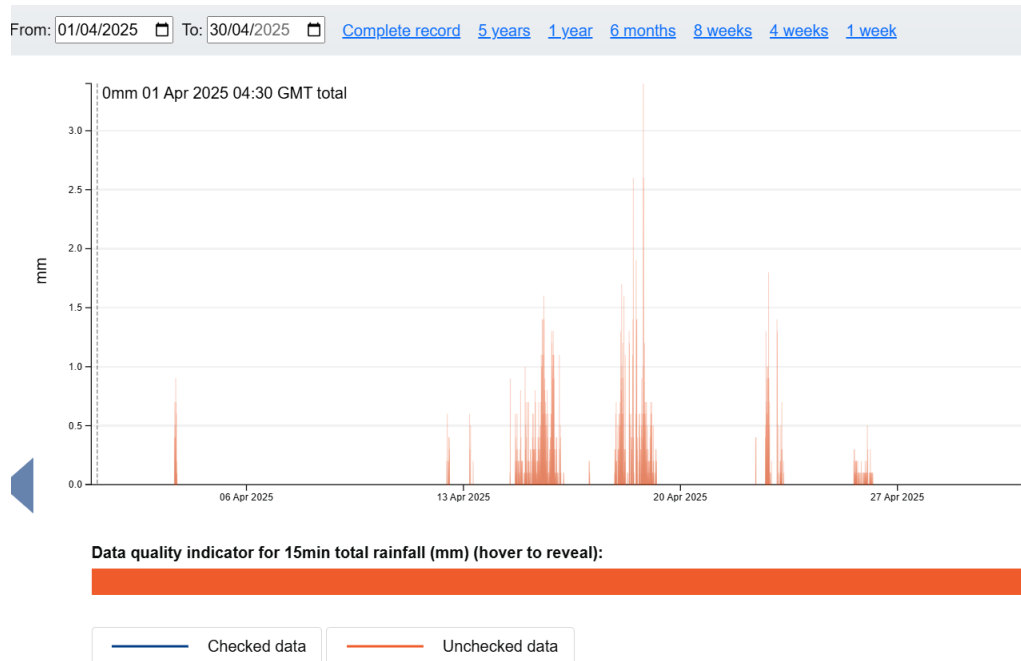
(i) The main river has many problems (although the picture is not universally bad) but the impact of frequent, lengthy sewage discharges from St Austell North STW merits investigation.

(ii) The impact of beavers on the Bokiddick Stream is hoped to be positive for biodiversity, water quality and river flow, based on experience elsewhere, but it would be useful to see an evaluation, not least because it might negate the views of a small number of people who seem to be opposed.

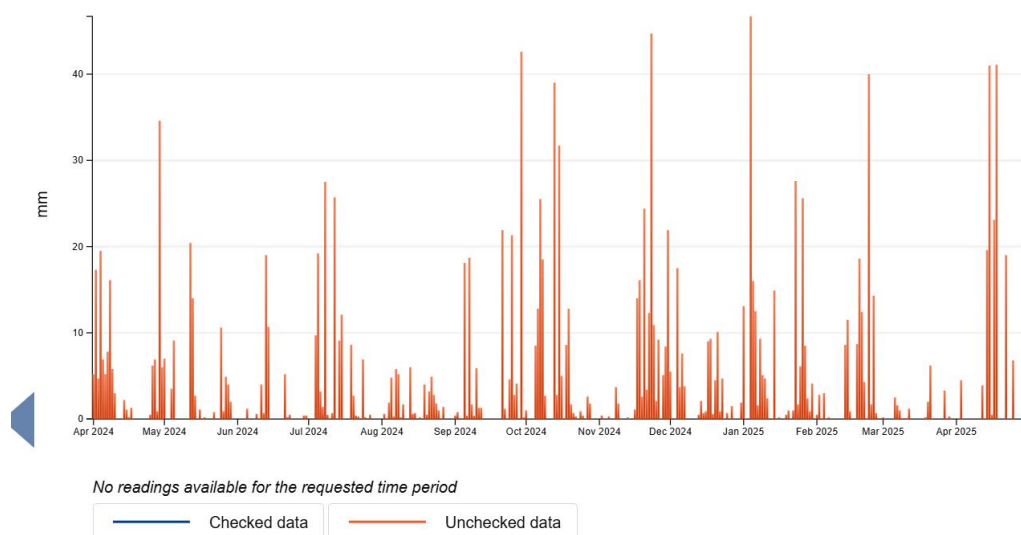
## B. RAINFALL, RIVER LEVELS AND FLOW

### 1. Rainfall at Luxulyan ([https://environment.data.gov.uk/hydrology/station/14aadf3c-3d4d-44b3-b26b-cf705827d00e\\_377323](https://environment.data.gov.uk/hydrology/station/14aadf3c-3d4d-44b3-b26b-cf705827d00e_377323))

#### (a) April 2025



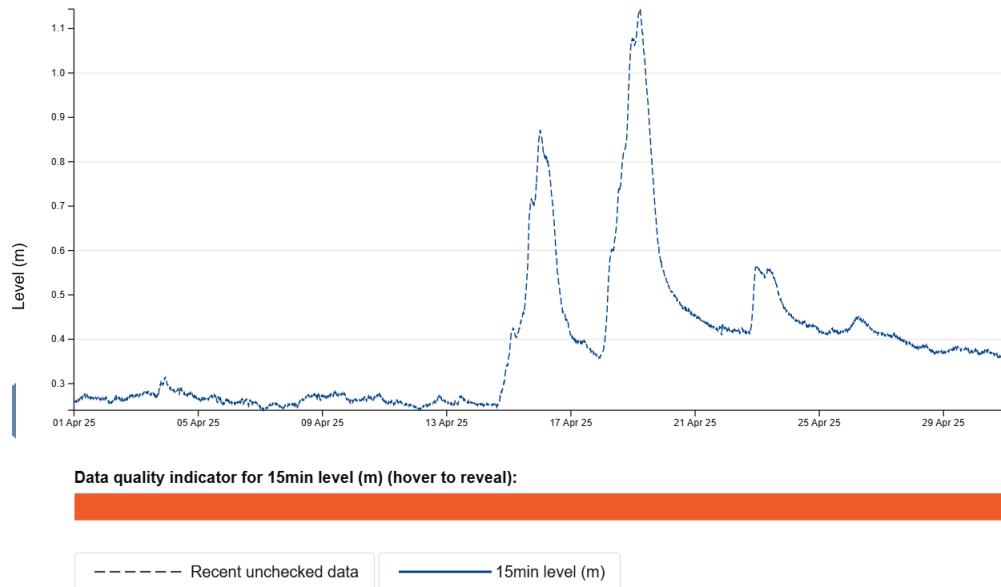
#### (b) From 1<sup>st</sup> April 2024 until 30<sup>th</sup> April 2025



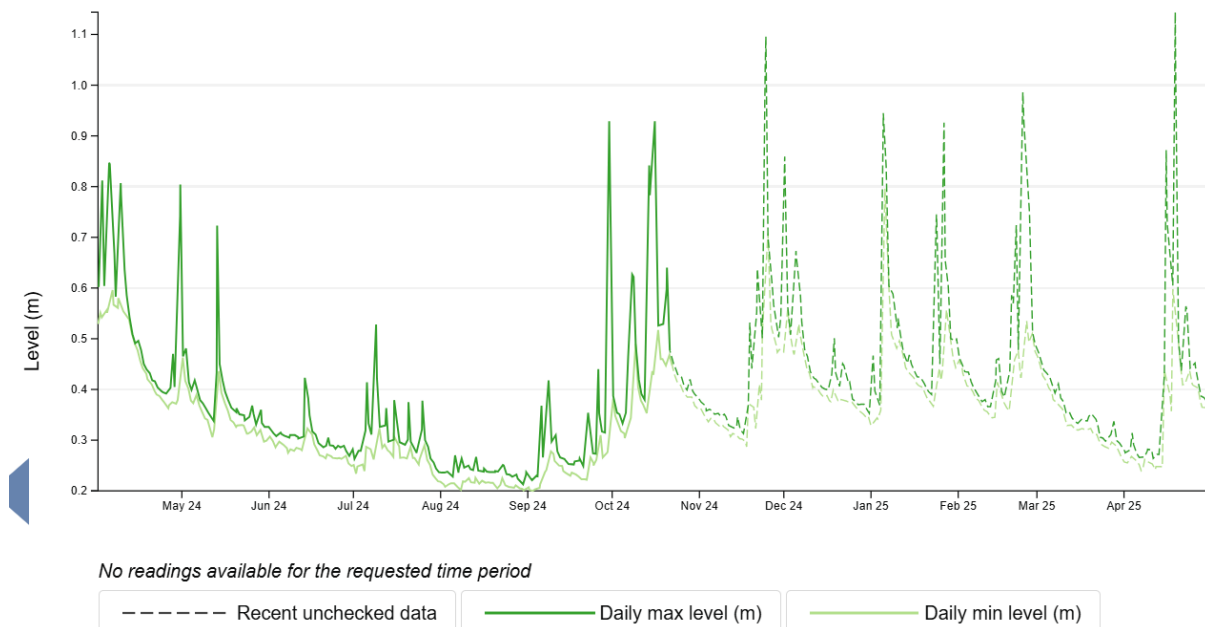
## 2. Par River levels at Luxulyan preceding and during surveys. Source:

<https://environment.data.gov.uk/hydrology/station/14aadf3c-3d4d-44b3-b26b-cf705827d00e>

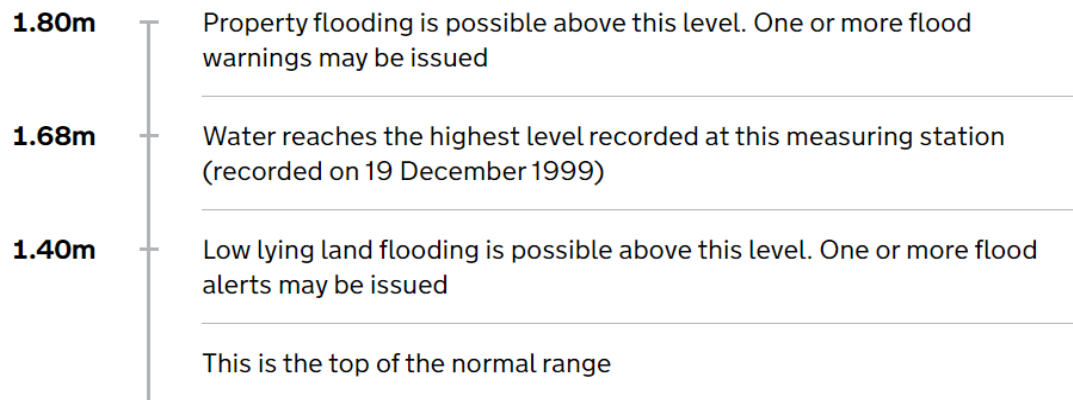
### (a) Levels for April 2025



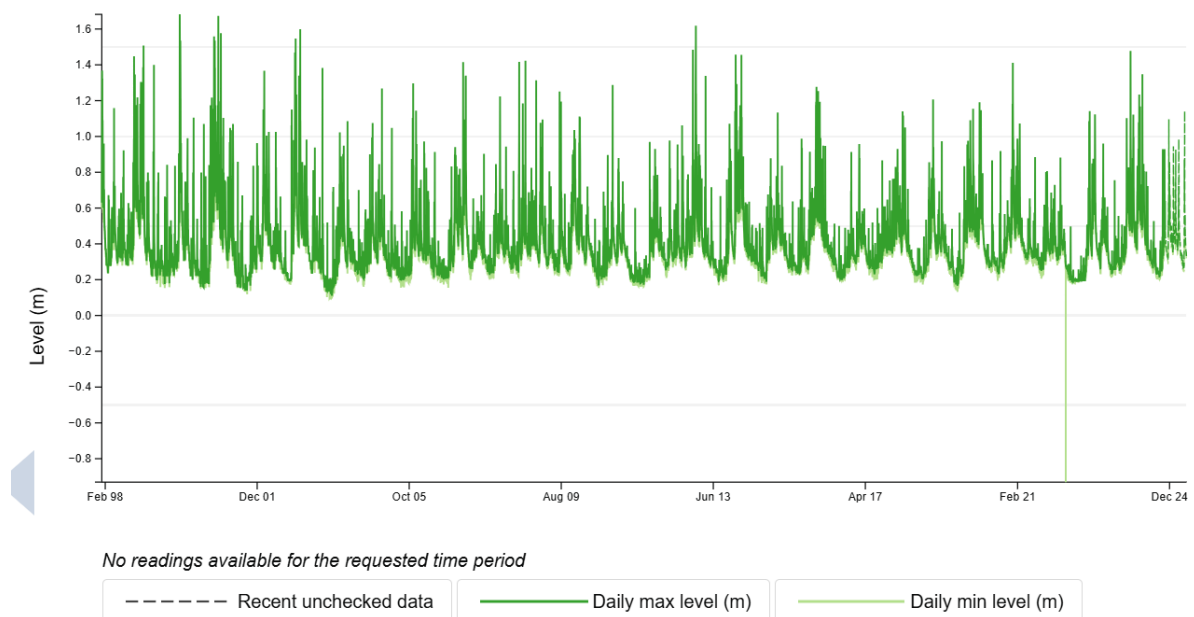
### (b) Levels from 1<sup>st</sup> April 2024 until 30<sup>th</sup> April 2025



**(c) How levels at Luxulyan could affect nearby areas:**

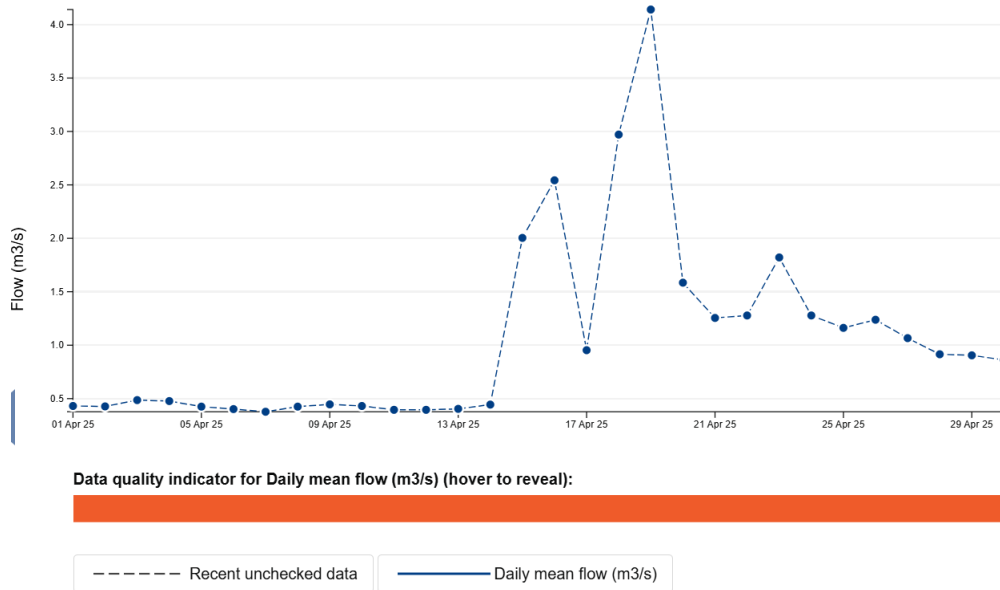


**(d) River levels and flooding at Bridges, Luxulyan. Refer to levels in previous section.**

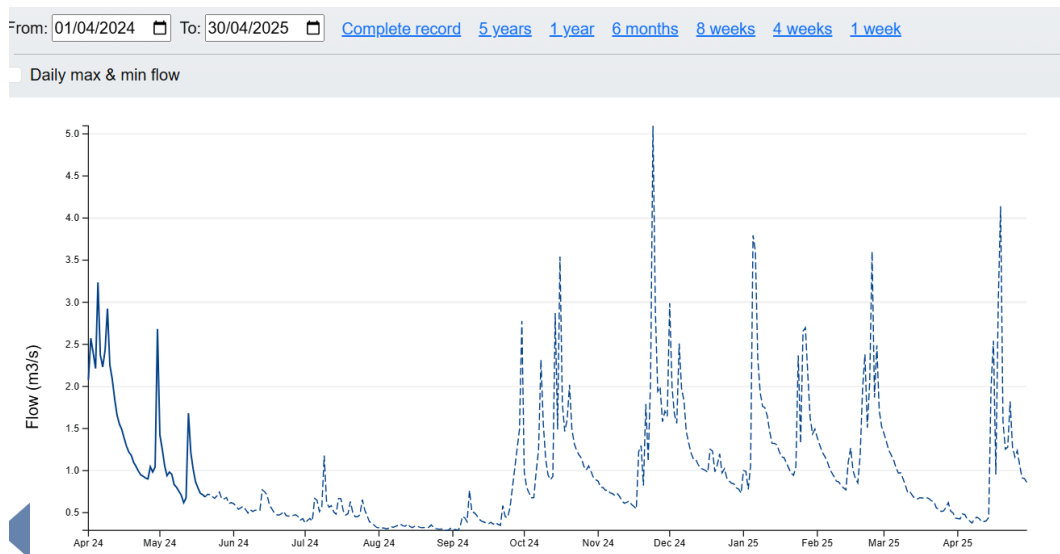


### 3. RIVER FLOW AT LUXULYAN (Daily Mean Flow in M3/s – cubic metres per second):

#### (a) The last month (N.B. Some data unchecked):



#### (b) From 1<sup>st</sup> April 2024 until 30<sup>th</sup> April 2025



#### 4. The graphs in sections 1 to 3 are taken from Hydrology Data Explorer

(<https://environment.data.gov.uk/hydrology/explore> ). Data for Luxulyan and Par St Andrews are used here. Other stations in the Par catchment include: Pontois Vale, Par Highways, Treesmill Dam Public Footpath, Treesmill Dam Marsh Villa Gardens, and St Blazey (rainfall only). It is possible to check daily Par River levels for Luxulyan, Pontois Vale and St Blazey Station Stream at St Blazey Station Road at: <https://check-for-flooding.service.gov.uk/river-and-sea-levels/rloi/3159> .



LOCATION	PAR/TRIBUTARY	DATE/TIME	TYPE OF CHECK	MONITORED BY
Criggan Moors, Par River, SX 01882 61133	PAR	22/4/2025 9:50	CSI sample & Cartographer record.	Roger Smith
South of Minorca Lane, Par River, SX02668 59747	PAR	16/4/2025 8:20	CSI sampling. Cartographer record.	Roger Smith
Near Forkandles Farm, Molinnis Stream, SX 02460 59271	SECONDARY TRIBUTARY (OF CARBIS STREAM)	16/4/2025 9:40	CSI sample & Cartographer record.	Roger Smith
Carbis Stream SX 02834 59401	TRIBUTARY	16/4/2025 8:45	CSI sampling. Cartographer record.	Roger Smith
Lavrean, Par River SX 03134 59164	PAR	16/4/2025 9:20	CSI sampling. Cartographer record.	Roger Smith
Treskilling, Treskilling Stream, SX 04107 57726	TRIBUTARY	16/4/2025 10:30	CSI sampling. Cartographer record.	Roger Smith
Luxulyan allotments, Par River, SX 04732 58045	PAR	16/4/2025 10:55	CSI sampling. Cartographer record.	Roger Smith
Cam Bridges, Par River, SX 05292 57454	PAR	16/4/2025 12:50	CSI sampling. Cartographer record.	Roger Smith
Trebell Green, Bokiddick Stream SX 0551960226	TRIBUTARY	14/4/2025 10:45	CSI sampling. Cartographer record.	Roger Smith
Corgee Moor, Bokiddick Stream SX 0593462167	TRIBUTARY	16/4/2025 11:45	CSI sampling. Cartographer record.	Roger Smith
Gatty's Bridge, Bokiddick Stream SX 05531 57953	TRIBUTARY	16/4/2025 15.40	CSI sampling. Cartographer record.	Joan Farmer
Treffry Viaduct, Par River, SX 05650 57179	PAR	16/4/2025 13.30	CSI sampling. Cartographer record.	Joan Farmer
Lady Rashleigh Mine, Par River, SX 06451 56509	PAR	16/4/2025 14.00	CSI sampling. Cartographer record.	Roger Smith, Joan Farmer, Veronica Jones
Treesmill, Tywardreath Stream, SX 08873 55385	TRIBUTARY	21/4/2025 11.35	CSI sampling. Cartographer record.	Maggie Tagney
Par Beach slipway, SX 0776 53261	PAR	16/4/2025 15:15	CSI sampling. Cartographer record.	Brian Harrisson
Polmear Stream, Ship Inn SX 08749 53417	TRIBUTARY	16/4/2025 15:50	CSI sampling. Cartographer record.	Simon Tagney



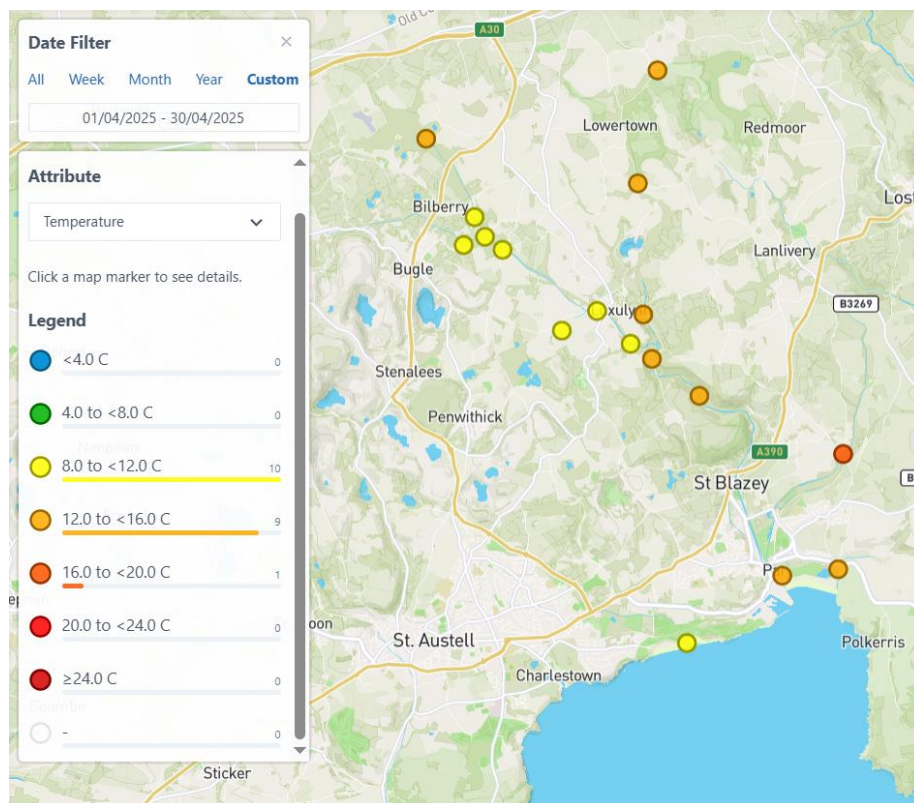
The times have been included in the previous table in case that explains some of the variations in readings.

## D. TEMPERATURE

### 1. This is the WRT's explanation of why this is monitored:

*Temperature is a vital parameter within the river ecosystem. It controls many of the aquatic species life cycles. Temperature fluctuates with the seasons; however, you do get variation within that, particularly in small rivers and streams. Another important reason to measure temperature is to track the impact of our warming climate on our waterbodies.*

**Geographical comparison.** Source: Cartographer.

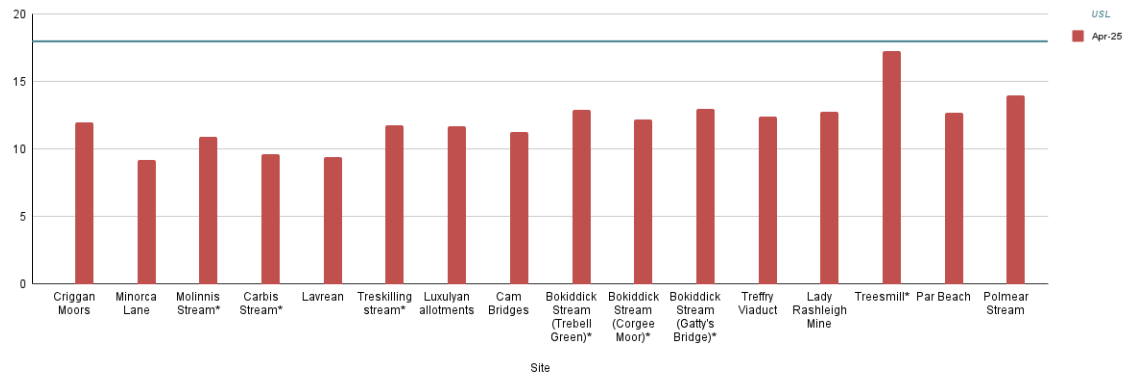




### 3. Graphs

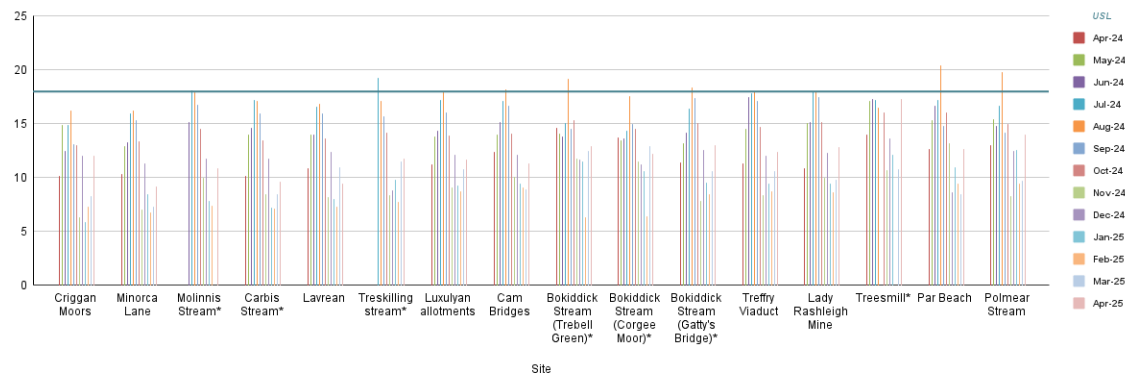
#### (a) This month:

Par River Temperature (°Celsius) - Filtered



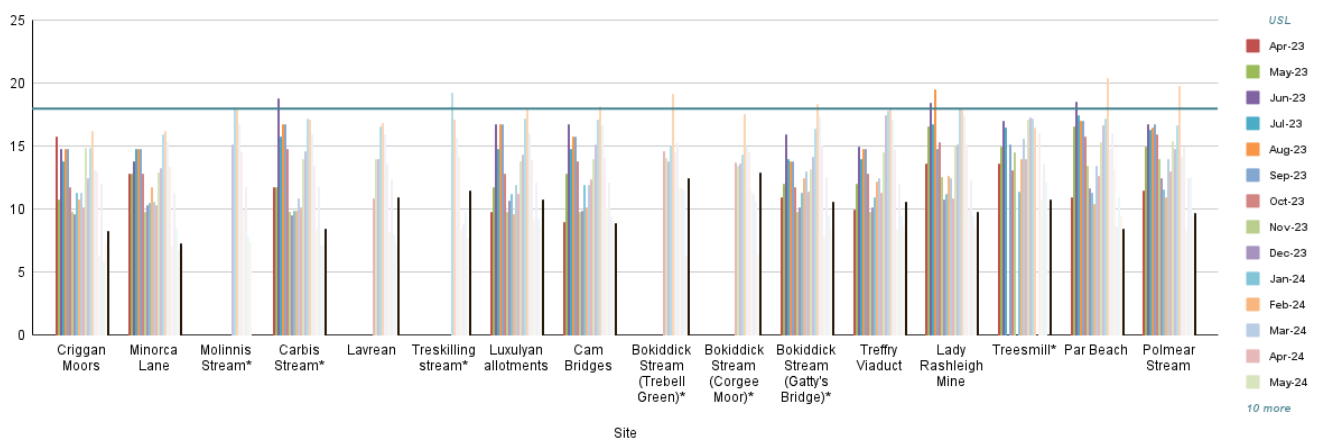
#### (b) From 1<sup>st</sup> April 2024 until 30<sup>th</sup> April 2025

Par River Temperature (°Celsius) - Filtered



#### (c) From 1<sup>st</sup> April 2023 until 30<sup>th</sup> April 2025

Par River Temperature (°Celsius) - Filtered

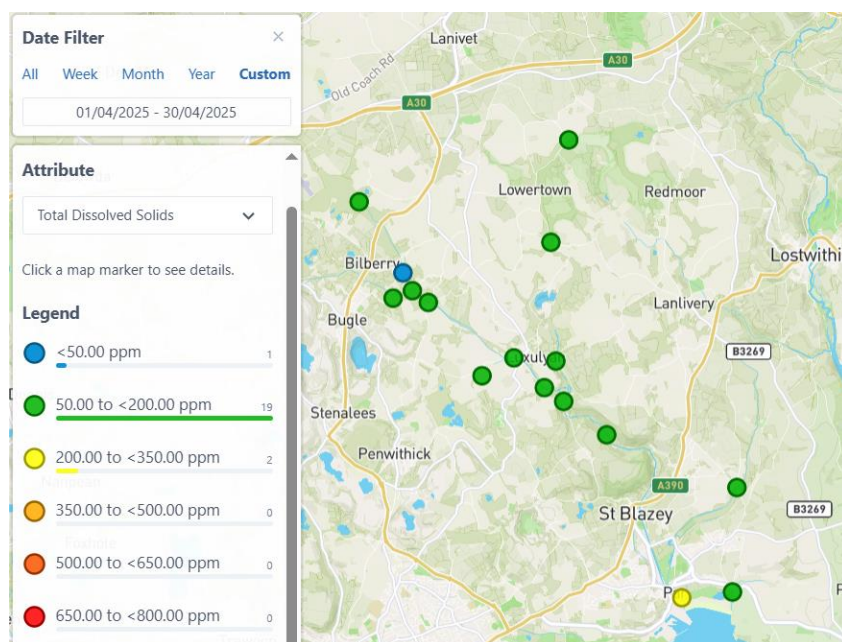


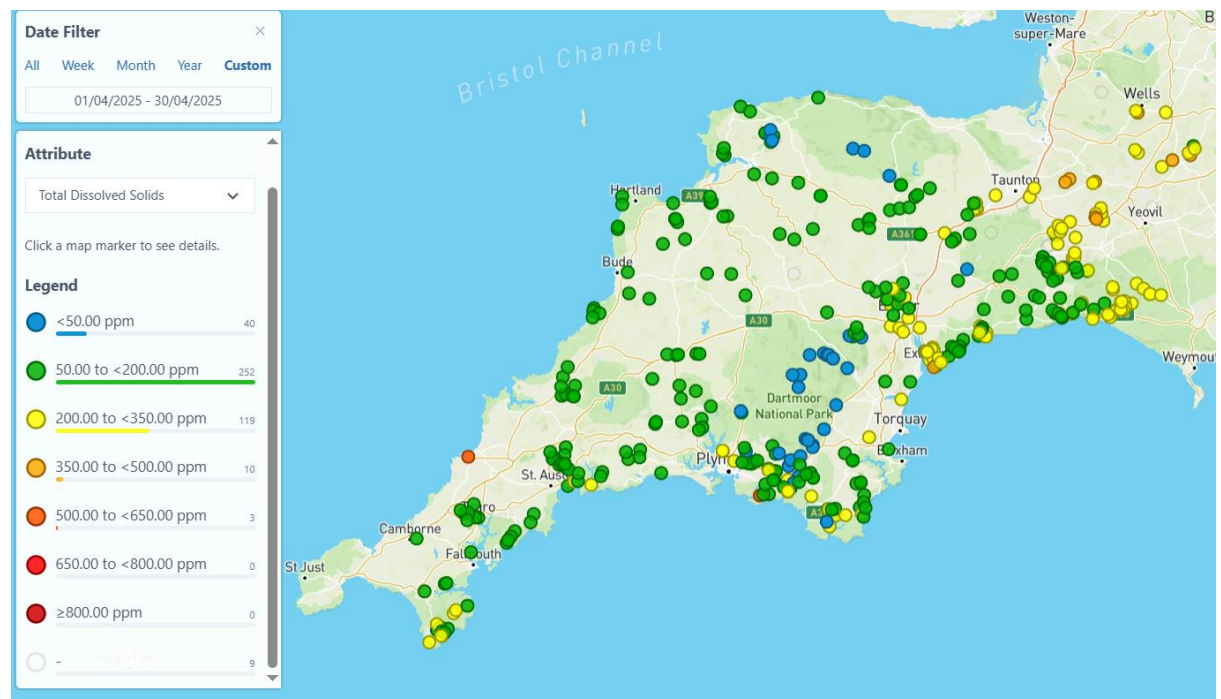
## E. TOTAL DISSOLVED SOLIDS

1. We measure these in ppm (parts per million). This is the WRT's explanation:

*Total Dissolved Solids (TDS) is directly related to the conductivity of the water. The more minerals, salts and metals that are dissolved in the water the more conductive it gets. Low levels of dissolved solids in waters such as those on Dartmoor near to the source of the river are a result of very low levels of input from the surrounding landscape. As the river runs down to the sea it collects material from many different inputs, some natural and some man-made such as farms, sewage plants, factories and residential areas. This typically increases the amount of solids dissolved in the water leading to a higher reading. Harmful pollution from things like sewage, slurry and factory discharge will usually elevate your TDS reading. However, some pollutants such as oil can lower conductivity; therefore it should be used as a general indicator of water quality not a specific measure of toxicity. Geology will influence the normal level of conductivity in a watercourse (e.g. Areas dominated by granite generally give a lower conductivity than those with limestone). Regular monitoring will allow the detection of changes in conductivity which can indicate pollution.*

2. Geographical comparison. Source: Cartographer.



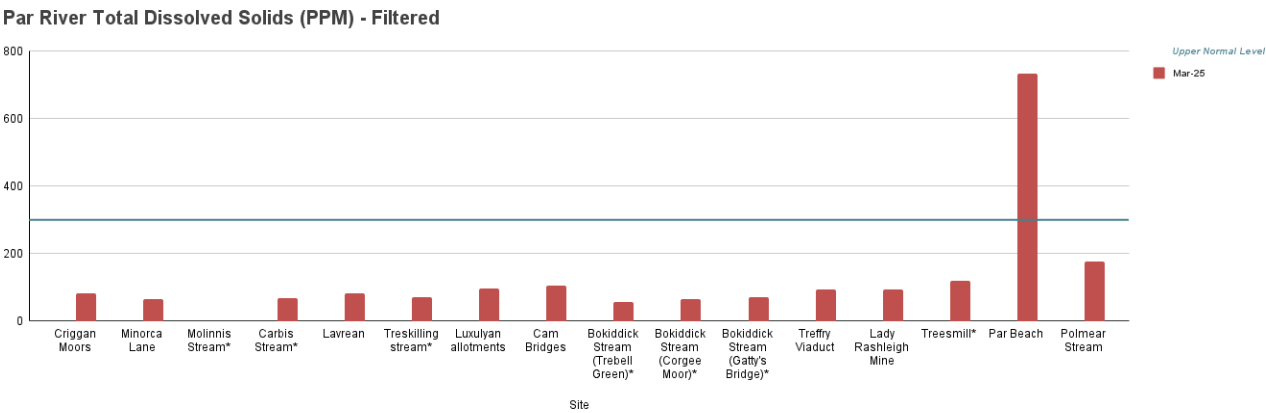


## 2. Results April 2025

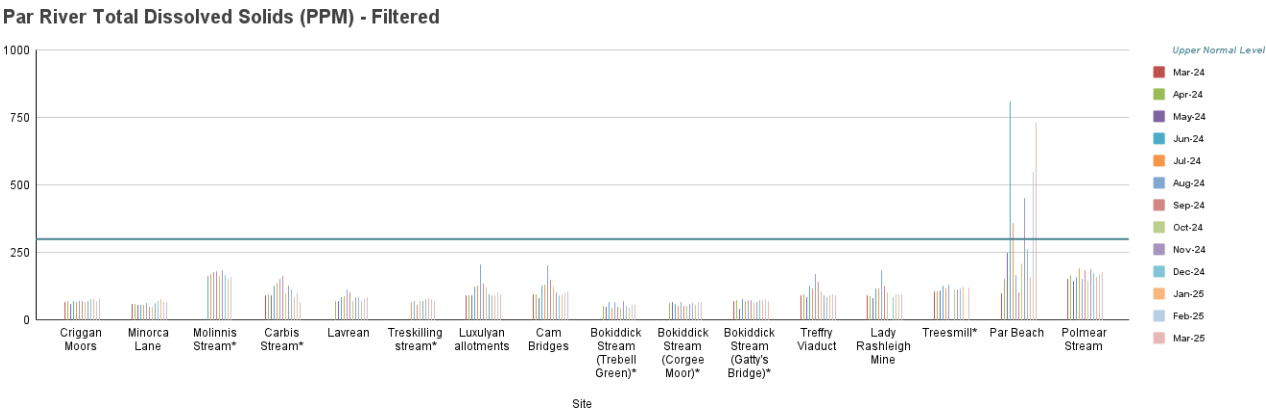
PAR RIVER/TRIBUTARY	LOCATION	Total Dissolved Solids PPM
Par	Criggan Moors, Par River, SX 01882 61133	65
Par	South of Minorca Lane, Par River, SX 02657 59788	48
Secondary tributary	Near Forkandles Farm, Molinnis Stream, SX 02460 59271	115
Tributary	Carbis Stream SX 02834 59401	60
Par	Lavrean, Par River SX 03134 59164	50
Tributary	Treskillig, Treskillig Stream, SX 04107 57726	69
Par	Luxulyan allotments, Par River, SX 04732 58045	60
Par	Cam Bridges, Par River, SX 05292 57454	67
Tributary	Trebell Green, Bokiddick Stream SX 0551960226	50
Tributary	Corgee Moor, Bokiddick Stream SX 0593462167	60
Tributary	Gatty's Bridge, Bokiddick Stream SX 05531 57953	50
Par	Treffry Viaduct, Par River, SX 05650 57179	66
Par	Lady Rashleigh Mine, Par River, SX 06451 56509	61
Tributary	Treesmill, Tywardreath Stream, SX 08873 55385	108
Par	Par Beach slipway, SX 0776 53261	220
Tributary	Polmear Stream, Ship Inn, SX 08749 53417	168

3. Graphs

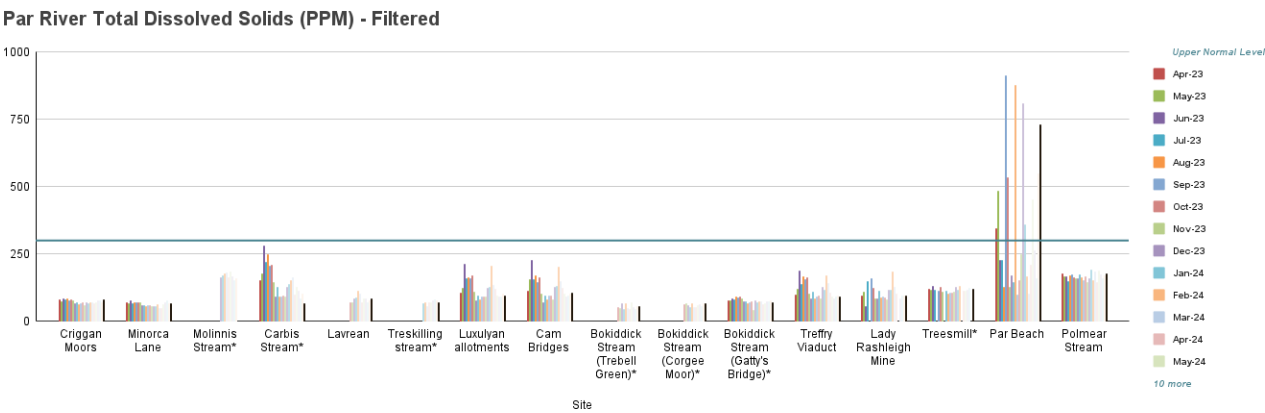
(a) This month:



(b) From 1<sup>st</sup> April 2024 until 30<sup>th</sup> April 2025



(c) From 1<sup>st</sup> April 2023 until 30<sup>th</sup> April 2025



## F. TURBIDITY

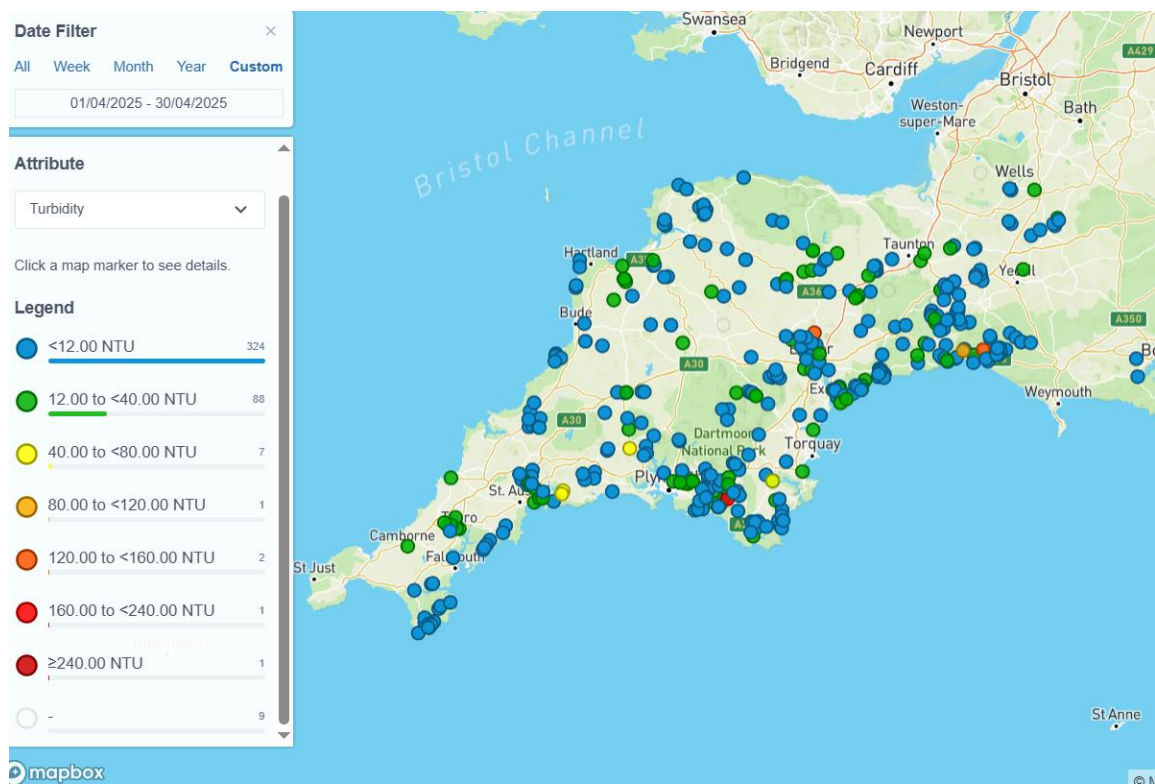
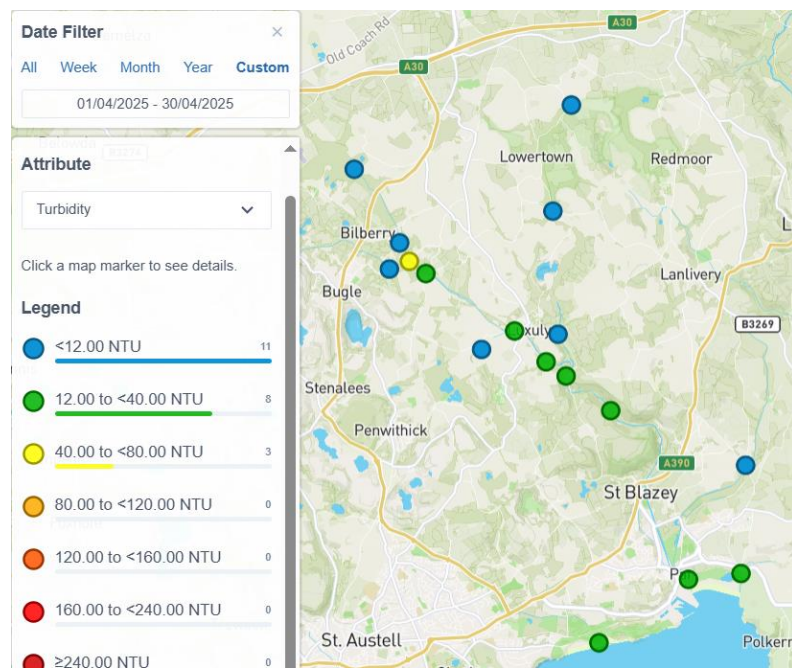
1. This is the WRT explanation of this measure:

*Turbidity tube is a measure of the optical clarity of the water. The more suspended particles in the water the lower the clarity and the higher the turbidity. You will often find your waterbody gets more turbid after heavy rainfall due to soil running off the fields and sediment being mixed into the water column. This loss of topsoil is both a problem for farmer and river. It can often contain chemicals from the fertiliser and pesticides used on the land. An increase in sediment level on the substrate of the river can cause smothering of habitat by removing light and oxygen. Aquatic wildlife such as the less mobile invertebrates and fish eggs struggle to survive in low oxygen conditions and without light, plants are unable to grow. It is a good idea to sample your river after different weather conditions to understand how it responds to rainfall or drought. The Yealm Estuary to Moor Project (YEM) in Devon considers that the upper safe level (USL) for turbidity is 75 NTU = 25 mg/l.*

### 2. Results April 2025:

PAR RIVER/TRIBUTARY	LOCATION	Turbidity (NTU)
Par	Criggan Moors, Par River, SX 01882 61133	<12
Par	South of Minorca Lane, Par River, SX 02657 59788	<12
Secondary tributary	Near Forkandles Farm, Molinnis Stream, SX 02460 59271	<12
Tributary	Carbis Stream SX 02834 59401	<12
Par	Lavrean, Par River SX 03134 59164	14
Tributary	Treskilling, Treskilling Stream, SX 04107 57726	<12
Par	Luxulyan allotments, Par River, SX 04732 58045	17
Par	Cam Bridges, Par River, SX 05292 57454	15
Tributary	Trebell Green, Bokiddick Stream SX 0551960226	<12
Tributary	Corgee Moor, Bokiddick Stream SX 0593462167	<12
Tributary	Gatty's Bridge, Bokiddick Stream SX 05531 57953	<12
Par	Treffry Viaduct, Par River, SX 05650 57179	21
Par	Lady Rashleigh Mine, Par River, SX 06451 56509	19
Tributary	Treesmill, Tywardreath Stream, SX 08873 55385	<12
Par	Par Beach slipway, SX 0776 53261	17
Tributary	Polmear Stream, Ship Inn, SX 08749 53417	17







## G. PHOSPHATES

1. This is the WRT's explanation of this measure.

*Phosphate occurs naturally within the river ecosystem, but in very low levels under 0.05 mg/l. Therefore, higher levels may indicate anthropogenic input. Phosphate is found in animal and human waste, cleaning chemicals, industrial runoff and fertiliser so this can be a good indicator of pollution. Having raised levels of phosphate can lead to increases in plant growth within the watercourse. This leads to a depletion of oxygen due to the plant's aerobic respiration during the night. Without oxygen aquatic species cannot survive and the river ecosystem collapses. (It is important to note that phosphate is taken up by plants. You may get a low reading but high plant growth, indicating eutrophication.)*

*Ranges on phosphate diagnostic colour chart:*

*0 – 100 OK*

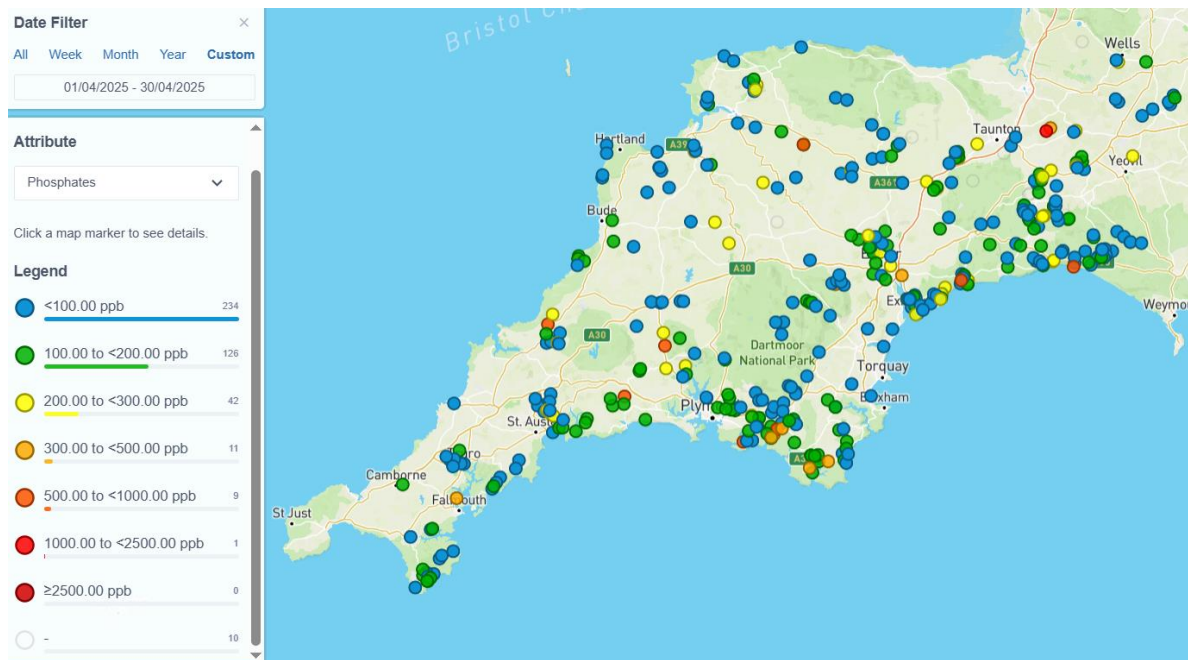
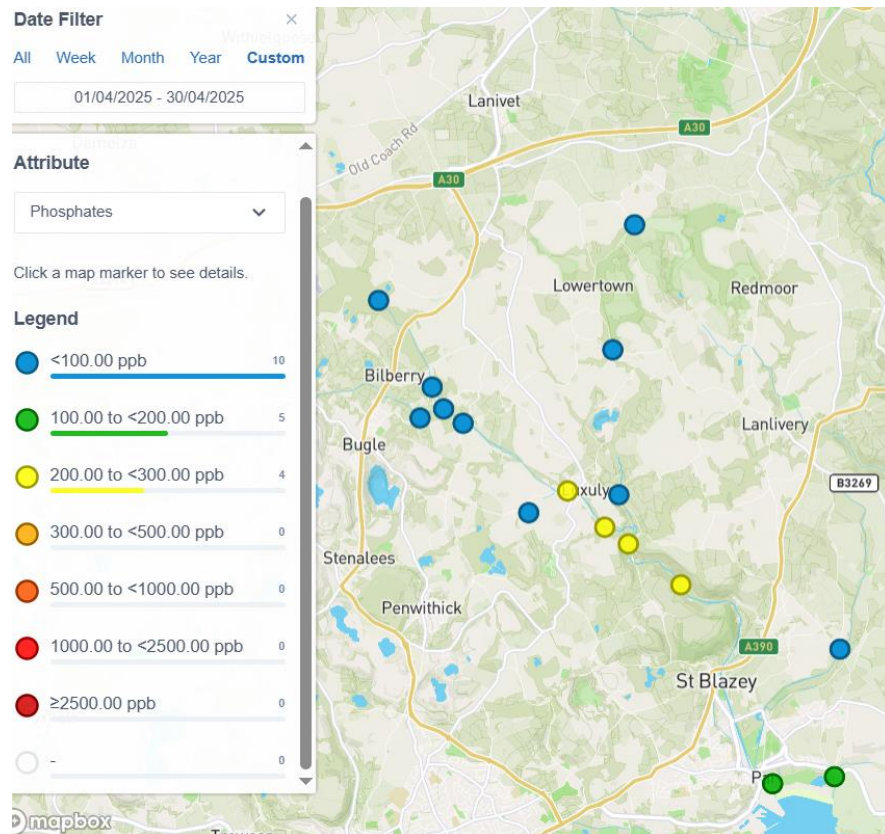
*200 – 300 HIGH*

*500 – 2500 – TOO HIGH*

## 2. Results April 2025

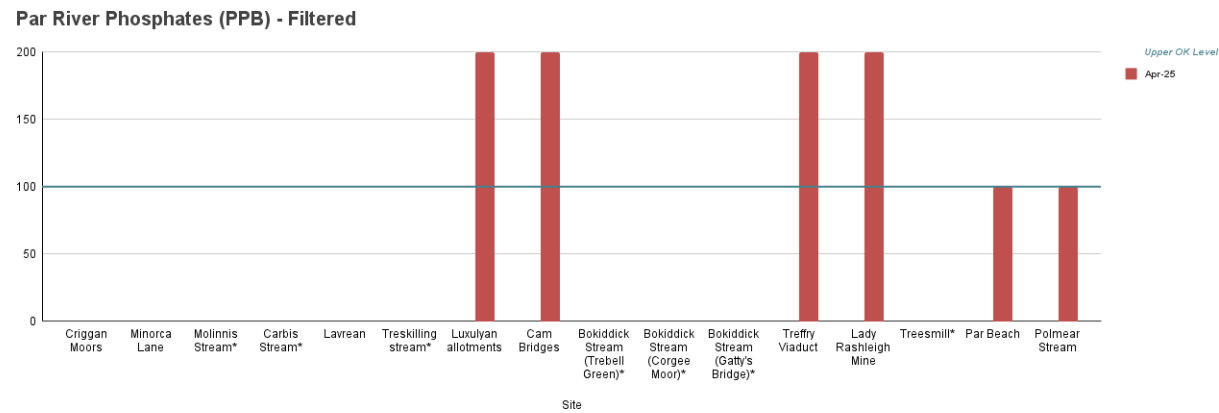
Results in red show phosphate levels that are classified as 'High' (above the upper safe level). WRT advice is that this is 100 Parts per Billion (0.1 mg/l).

PAR RIVER/TRIBUTARY	LOCATION	Phosphates PPB
Par	Criggan Moors, Par River, SX 01882 61133	0
Par	South of Minorca Lane, Par River, SX 02657 59788	0
Secondary tributary	Near Forkandles Farm, Molinnis Stream, SX 02460 59271	0
Tributary	Carbis Stream SX 02834 59401	0
Par	Lavrean, Par River SX 03134 59164	0
Tributary	Treskilling, Treskilling Stream, SX 04107 57726	0
Par	Luxulyan allotments, Par River, SX 04732 58045	200
Par	Cam Bridges, Par River, SX 05292 57454	200
Tributary	Trebell Green, Bokiddick Stream SX 0551960226	0
Tributary	Corgee Moor, Bokiddick Stream SX 0593462167	0
Tributary	Gatty's Bridge, Bokiddick Stream SX 05531 57953	0
Par	Treffry Viaduct, Par River, SX 05650 57179	200
Par	Lady Rashleigh Mine, Par River, SX 06451 56509	200
Tributary	Treesmill, Tywardreath Stream, SX 08873 55385	0
Par	Par Beach slipway, SX 0776 53261	100
Tributary	Polmear Stream, Ship Inn, SX 08749 53417	100

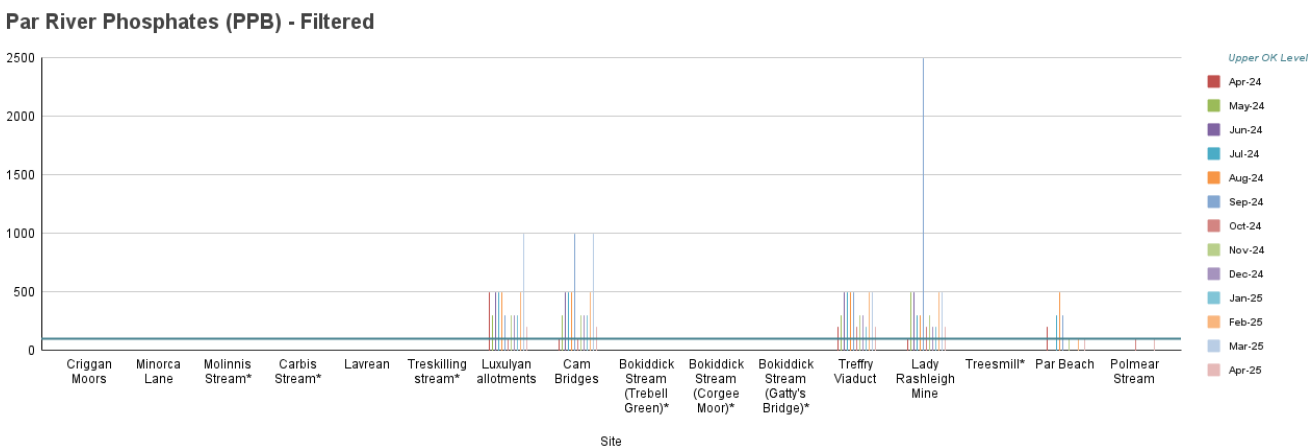


4. Graphs

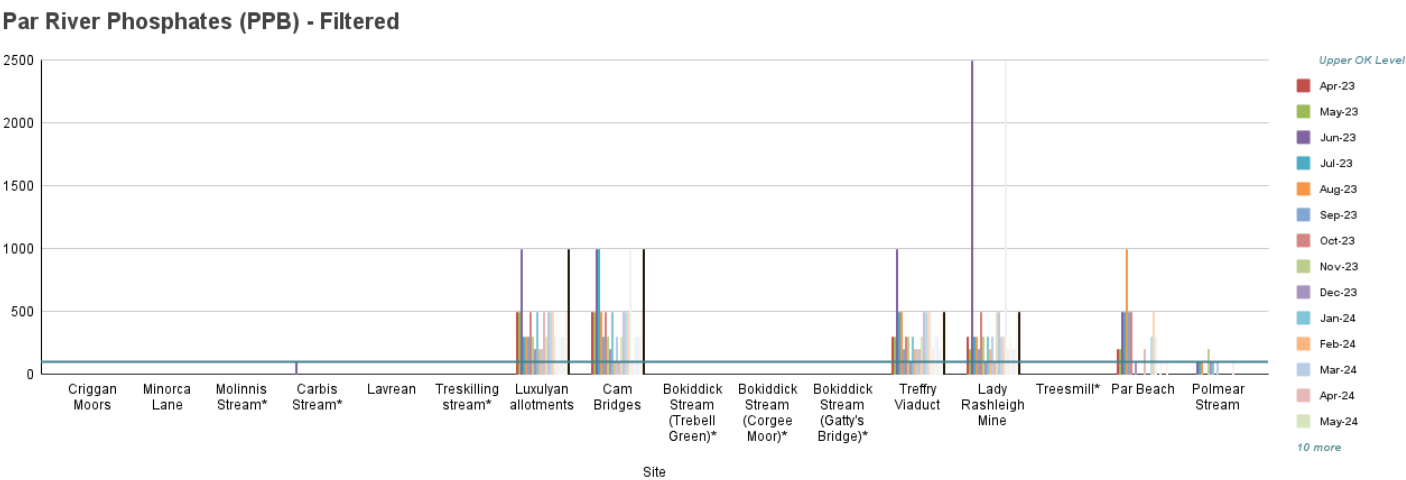
(a) This month:



(b) From 1<sup>st</sup> April 2024 until 30<sup>th</sup> April 2025



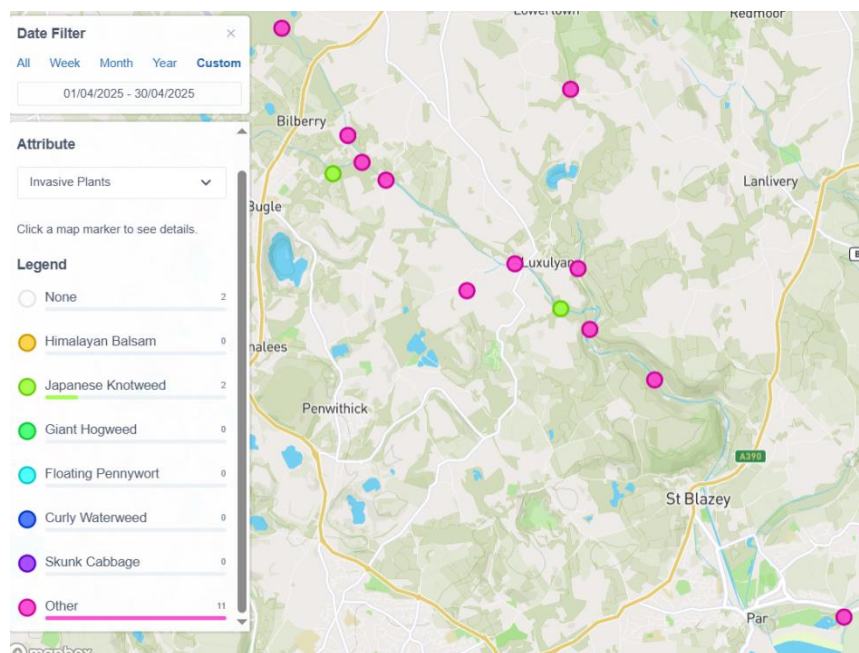
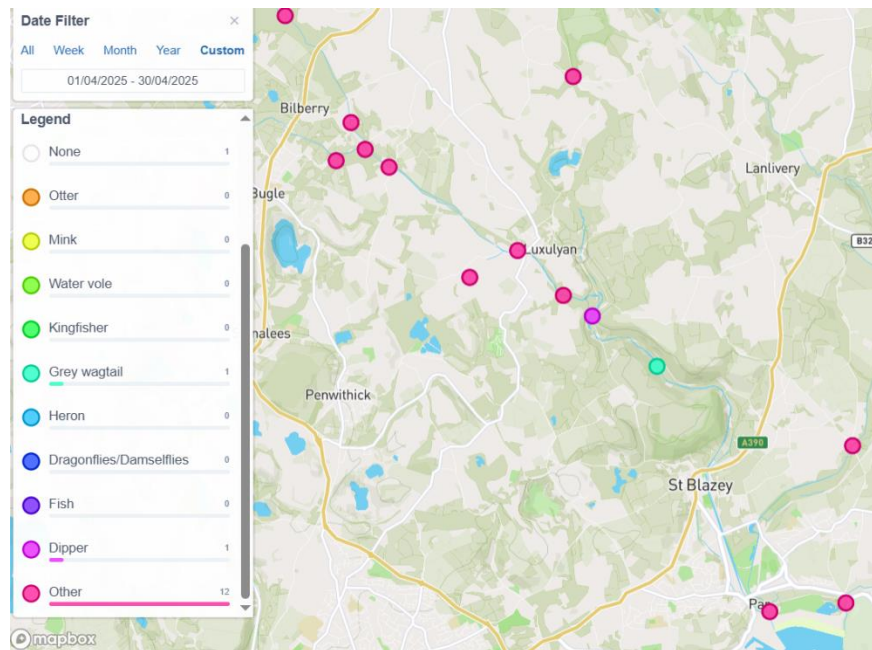
(c) From 1<sup>st</sup> April 2023 until 30<sup>th</sup> April 2025





## H. WILDLIFE & INVASIVE PLANTS

Wildlife & Invasive Plants sightings at the monitoring points included:



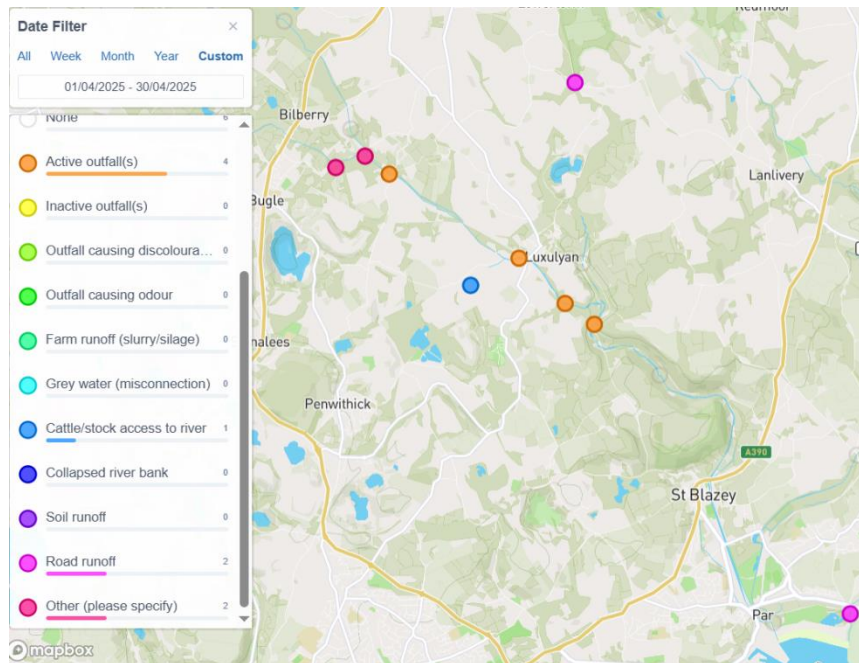
LOCATION	WILDLIFE NOTED	INVASIVE PLANTS NOTED
Criggan Moors, SX 01882 61133	HEARD: Chaffinch, Wren, Blue Tit, Carrion Crow SEEN:	Hemlock Water Dropwort
South of Minorca Lane, Par River, SX 02657 59788	HEARD: Robin, Chaffinch, Wren, Grey Wagtail, Goldcrest SEEN:	None
Forkandles Farm, Molinnis Stream, SX 02460 59271	HEARD: Wren, Blue Tit, Chaffinch, Robin SEEN:	Japanese Knotweed
Carbis Stream SX 02834 59401	HEARD: Blackcap, Willow Warbler, Chaffinch, Wren, Robin, Great Tit, Blue Tit SEEN:	Hemlock Water Dropwort
Lavrean, Par River SX 03134 59164	HEARD: Robin SEEN: Jay, Pheasant	None
Treskilling, Treskilling Stream, SX 04107 57726	HEARD: Chiffchaff SEEN: Mallards	Hemlock Water Dropwort
Luxulyan allotments, Par River, SX 04732 58045	HEARD: Blue Tit, Blackbird, Robin, Great tit, Wren, Willow Warbler, Greenfinch, Dunnock, Woodpigeon, Jackdaw, Blackcap, Chaffinch SEEN:	Hemlock Water Dropwort
Cam Bridges, Par River, SX 05292 57454	HEARD: Wren, Chiffchaff SEEN: Fox	Hemlock Water Dropwort, Japanese Knotweed
Trebell Green, Bokiddick Stream SX 0551960226	HEARD: Chiffchaff, Blue Tit, Robin, Goldfinch, Willow Warbler SEEN: Lake created by beaver dam and gnawed trees.	None
Corgee Moor, Bokiddick Stream SX 0593462167	HEARD: Robin, Greater Whitethroat, Wren, Long-tailed Tit, Blue Tit, Bullfinch SEEN:	Hemlock Water Dropwort
Gatty's Bridge, Bokiddick Stream SX 05531 57953	HEARD: SEEN:	Hemlock Water Dropwort
Treffry Viaduct, Par River, SX 05650 57179	HEARD: SEEN:	Hemlock Water Dropwort
Lady Rashleigh Mine, Par River, SX 06451 56509	HEARD: Wren SEEN: Grey Wagtail	Hemlock Water Dropwort
Treesmill, Tywardreath Stream, SX 08873 55385	Robin, Wren, Blackbird, Chaffinch, Blue Tit, Great Tit, Coal Tit	
Par Beach slipway, SX 0776 53261	Cormorant, herring Gull	None
Polmear Stream, Ship Inn, SX 08749 53417	Blackbird	Hemlock Water Dropwort

The Merlin Bird ID app has been used to identify birdsong (<https://merlin.allaboutbirds.org/>).

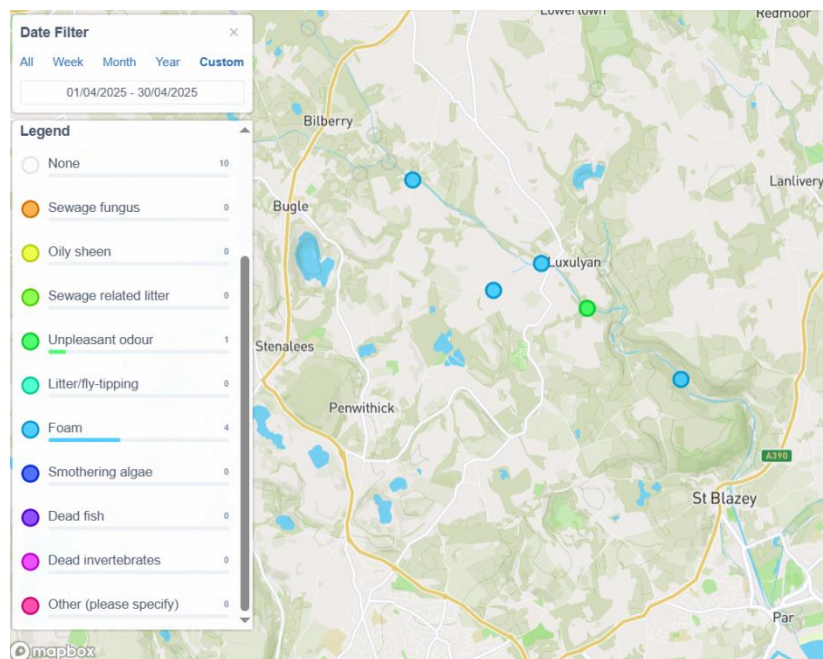


## I. POLLUTION SOURCES AND EVIDENCE

### 1. Visible sources of pollution (source: Cartographer)



### 2. Recent evidence of pollution

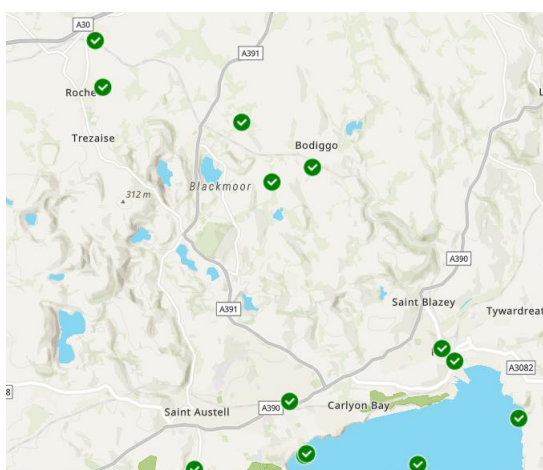


LOCATION	EVIDENCE OF RECENT POLLUTION
Criggan Moors, SX 01882 61133	None
South of Minorca Lane, Par River, SX 02657 59788	None
Forkandles Farm, Molinnis Stream, SX 02460 59271	None
Carbis Stream SX 02834 59401	None
Lavrean, Par River SX 03134 59164	Foam
Treskilling, Treskilling Stream, SX 04107 57726	Foam
Luxulyan allotments, Par River, SX 04732 58045	Foam
Cam Bridges, Par River, SX 05292 57454	Foam, smell
Trebell Green, Bokiddick Stream SX 0551960226	None
Corgee Moor, Bokiddick Stream SX 0593462167	None
Gatty's Bridge, Bokiddick Stream SX 05531 57953	None
Treffry Viaduct, Par River, SX 05650 57179	None
Lady Rashleigh Mine, Par River, SX 06451 56509	Foam
Treesmill, Tywardreath Stream, SX 08873 55385	None
Par Beach slipway, SX 0776 53261	None
Polmear Stream, Ship Inn, SX 08749 53417	None

Foam has been recorded but this is not always the result of pollution. Often the amount of foam is small.

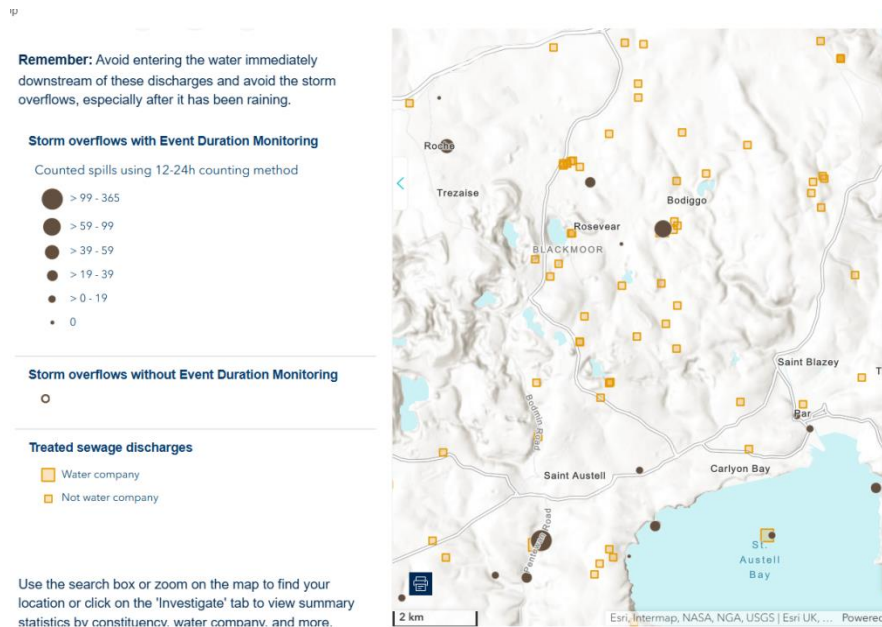
#### 4. South West Water Storm Overflows

The Rivers Trust's sewage map (<https://www.sewagemap.co.uk/>) gives live information about discharges of sewage into rivers and the sea by water companies. (This is also provided by South West Water's WaterFit Live site: <https://www.southwestwater.co.uk/storm-overflow-map>).



This screenshot is for illustrative purposes only and does not show the situation in March. Not all of the locations are in the Par River catchment either.

It should be noted that there are also numerous private sewerage arrangements in the area but information about possible contamination of watercourses from these has not been found. The following screenshot shows the different facilities in the area (source: <https://therivertrust.org/key-issues/sewage-in-rivers> )



## (b) South West Water Storm Overflows in the Par River Catchment:

The main overflows are (from source to sea along the catchment):

- Roche storm overflow (SWW1001)
- Molinnis storm overflow, Bugle (SWW0765)
- Rescorla storm overflow, Luxulyan (SWW0987)
- Luxulyan sewage treatment works settled storm overflow, St Austell (SWW0694)
- Tredenham Close storm overflow, Par (SWW1230)
- Par No2 pumping station overflow, Par (SWW0519)

**(c) SWW Storm Overflow spills**

LOCATION/WATERCOURSE	SPILLS 2020	SPILLS 2021	SPILLS 2022	SPILLS 2023	SPILLS TARGET
Victoria pumping station overflow, Roche (SWW1266) Into Par River	41	26	42	59	39 (2030) 10 (2050)
Molinnis storm overflow, Bugle (SWW0765) Into tributary of Par River	28	38	7	38	8 (2030) 27 (2050)
Rescorla storm overflow, Luxulyan (SWW0987) Into 'Tributary of Par Sands (S)' [sic]	n/a	n/a	0	0	0 (2030) 0 (2050)
Luxulyan sewage treatment works settled storm overflow, St Austell (SWW0694) Into Par River	64	55	36	80	10 (2030) 8 (2050)
Tredenham Close storm overflow, Par (SWW1230) Into St Blazey stream	8	3	6	5	6 (2030) 6 (2050)
Par No2 pumping station overflow, Par (SWW0519) Into Par River	12	2	5	8	8 (2030) 8 (2050)

**(d) SWW Storm Overflow spills March 2025:**

**N.B. These times have been taken from The Rivers Trust's <https://www.sewagemap.co.uk/> . This table has been compiled in good faith but may contain errors so should not be relied on: it is indicative only.**

LOCATION/WATERCOURSE	SPILLAGES	TOTAL SPILLAGE DURATION MARCH 2025
Victoria pumping station overflow, Roche (SWW1266) Into Par River	<b>Started:</b> Mon 14 April 2:09 <b>Stopped:</b> Mon 14 April 2:11 <b>Duration:</b> 2 minutes  <b>Started:</b> Friday 18 <sup>th</sup> April 8:12 pm <b>Stopped:</b> Friday 18 <sup>th</sup> April 8:48 pm <b>Duration:</b> 36 minutes  <b>Started:</b> Tuesday 22 <sup>nd</sup> April 9:18 pm <b>Stopped:</b> Tuesday 22 <sup>nd</sup> April 9:23 pm <b>Duration:</b> 5 minutes	<b>43 minutes</b>
Molinnis storm overflow, Bugle (SWW0765) Into tributary of Par River	<b>Started:</b> Tuesday 15 <sup>th</sup> April 9:26 <b>Stopped:</b> Tuesday 15 <sup>th</sup> April 11:54 <b>Duration:</b> 2 hours 27 minutes	<b>&gt;3 hours 25 minutes</b>

	<b>Started:</b> Friday 18 <sup>th</sup> April 8:02 pm <b>Stopped:</b> <b>Unsure</b>  <b>Started:</b> Tuesday 22 <sup>nd</sup> April 9:08 pm <b>Stopped:</b> Tuesday 22 <sup>nd</sup> April 10:06 pm <b>Duration:</b> 58 minutes	
Rescorla storm overflow, Luxulyan (SWW0987) Into 'Tributary of Par Sands (S)' [sic]	<b>Started:</b> <b>Stopped:</b>	<b>0</b>
Luxulyan sewage treatment works settled storm overflow, St Austell (SWW0694) Into Par River	<b>Started:</b> Tuesday 15 <sup>th</sup> April 11:16 <b>Stopped:</b> Thursday 17 <sup>th</sup> April 10:15 <b>Duration:</b> 46 hours 58 minutes  <b>Started:</b> Friday 18 <sup>th</sup> April 12:15 am <b>Stopped:</b> Sunday 20 <sup>th</sup> April 12:29 pm <b>Duration:</b> 60 hours 14 minutes  <b>Started:</b> Tuesday 22 <sup>nd</sup> April 9:24 pm <b>Stopped:</b> Wednesday 23 <sup>rd</sup> April 5 pm  <b>Duration:</b> 19 hours 36 minutes	<b>126 hours 48 minutes.</b>
Tredenham Close storm overflow, Par (SWW1230) Into St Blazey stream	<b>Started:</b> <b>Stopped:</b>	<b>0</b>
Par No2 pumping station overflow, Par (SWW0519) Into Par River	<b>Started:</b> <b>Stopped:</b>	<b>0</b>

## K. OUR GROUP AND SUPPORTERS

Monitoring is part of the Citizen Science programme run by the West Country Rivers Trust (WCRT) and is carried out monthly by volunteers, including Joan Farmer; Veronica Jones; Roger Smith; Simon Tagney; Maggie Tagney; and Brian Harrison. They have received training from Lydia Ashworth, Junior Evidence and Engagement Officer of the West Country Rivers Trust (<https://wrt.org.uk/project/become-a-citizen-scientist/>). Results are logged on the Cartographer website. The support and advice given by Ross Tonkin, Lloyd Paynter, David Edwards, Claire and Gary Phillips, Jenny Heskett, Nick Taylor, Jeremy Roberts, Mat Bateman, Colin Pringle, Matt Healey, Simon Browning, Lydia Deacon, Jack Middleton, Anna Seal, Anna Crane, Zoe Connelly, Jade Neville, Lauren Jasper and Callum Lewis is greatly appreciated. The work carried out by the late Dave Burrell both in the field and in checking reports will not be forgotten. The interest and encouragement offered by Environment Agency officers, especially Lisa Best, Lisa Goodall, Layla Ousley, Jenny Davies, Leah Steward, Nicola Rogers and Peter Scobie, have been invaluable.

**Report compiled by Roger Smith, 25<sup>th</sup> May 2025**

