

Hydrological data:

This website provides open access to Environment Agency hydrological data

<https://environment.data.gov.uk/hydrology/landing>

Questions

1. What was the peak river flow at Arnford Weir in the last week?
2. What was the peak river flow at Arnford weir in the last month?
3. What was the river flow each day for the last seven days at Foston Mill?
4. What was the mean daily river flow at Foston Mill on 20th December 2019?
5. Download and save the time series graph for the River Mar Dyke at Stifford over the last 10 years.
6. Download and save the time series graph for the River Tamar at Crawford Bridge for the last 10 years.
7. Compare the data from the graphs in Questions 6 and 7.
 - i. Which river has higher overall flows?
 - ii. Which river has higher peak flows?
 - iii. What is the value for the maximum peak flow for each river over the last 10 years?
8. Find a hydrological station near to you.
 - i. What is the station called?
 - ii. Which river is it measuring flows in?
 - iii. Download graphs for the last week, month, 1 year and 10 years.
 - iv. What was the peak flow for each time period measured? (last week, last month, last 1 year, last 10 years and overall).
9. What might the consequences of high river flow be?
10. How can we manage high river flows to prevent flooding?