**Researching Tittesworth Reservoir**

**Task 1**: Find out about Tittesworth reservoir by typing in this link: <https://www.visittittesworth.co.uk/about-tittesworth-water>

**Answer the following questions:**

1. In what year was Tittesworth reservoir first constructed?

1858

1. Which places does Tittesworth reservoir supply water to?

Staffordshire Moorlands, Stoke-on-Trent and Leek

1. How much water does Tittesworth reservoir pump to our local area every day (on average)?

28 million litres

1. Which river does the water in the reservoir come from?

River Churnet

**Task 2**: Find out about how much water there is in Tittesworth reservoir by typing in this link: <https://www.stwater.co.uk/about-us/reservoir-levels/>

**Complete the table:**

|  |  |  |
| --- | --- | --- |
| **Month** | **How full is the reservoir? (%)** | **Round up or down to a whole number** |
| 3rd June | 90.2 | 90 |
| 1st July 2019 | 92.2 | 92 |
| 5th August 2019 | 87.1 | 87 |
| 2nd September 2019 | 87.8 | 88 |
| 7th October 2019 | 94.8 | 95 |
| 4th November 2019 | 94.3 | 94 |
| 2nd December 2019 | 95.4 | 95 |
| 6th January 2020 | 95.6 | 96 |
| 3rd February 2020 | 96.7 | 97 |
| 2nd March 2020 | 98.5 | 99 |
| 6th April 2020 | 94.9 | 95 |
| 4th May 2020 | 88.6 | 89 |

Create a bar chart to show the levels of water in the Tittesworth reservoir using the data you have just collected. (Check your graph is correct by opening the completed graph worksheet and comparing your work)

**Have you included:**

|  |  |
| --- | --- |
| Title |  |
| Labels for each month |  |
| A bar for each month |  |
| Numbers on the side |  |
| A label on the axis’ to say what they show |  |

**Stretch and Challenge:** answer the following questions using your bar chart

1. In which 2 months did the reservoir have the least water?

August and September

1. Why do you think there was less water in the reservoir during those months?

There will have been the least water in these months are these are two of our summer months where the weather is warmer. This means that there will have been more evaporation occurring which means more water would have been taken away from the reservoir. Also, because these are warmer months, it is likely that people used more water from the reservoir in the homes. For example, they may have drank more, washed the car, filled paddling pools etc!

1. Throughout the last year has there been a water shortage at Tittesworth Reservoir?

No there has no. been a water shortage at Tittesworth Reservoir. It has always stayed above 87% which means there is plenty of water.

1. Why do you think this is? Think about a big event which happened over the winter months throughout the middle and north of England…

The reservoir has remained at a good level because we have had plenty of rain to keep it full! In fact, throughout the winter months this last year, there was a huge amount of flooding which happened around the middle and north of England. This caused lots of disasters like roads, houses and businesses being flooded. But, it will have meant that the river which supplies the reservoir remained extremely full!