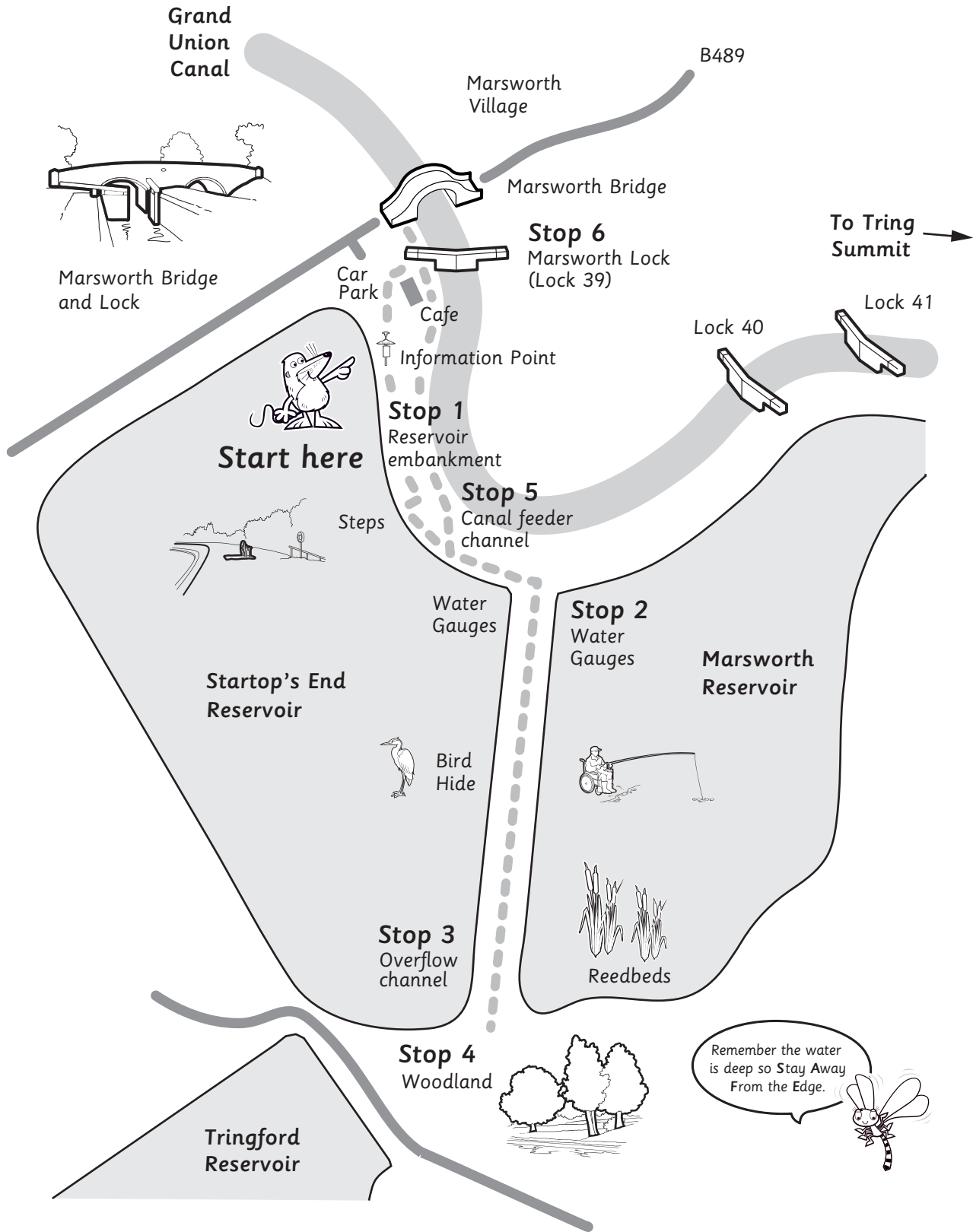


# Tring Reservoirs

## Water Management Trail



Remember the water is deep so Stay Away From the Edge.

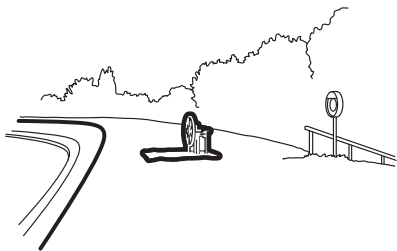
www.wow4water.net

## Imagine you are a SURVEYOR!

Tring Reservoirs were built 200 years ago. Are they still in good shape? British Waterways have asked **you** to investigate.

### Stop 1: Startop's End Reservoir embankment

The reservoirs have steep banks to trap water from rainfall, springs and streams.

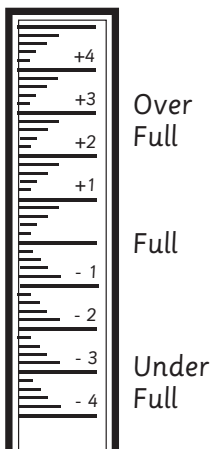


How steep are the banks?  
Use your slope measurer to find out.

The reservoir banks are \_\_\_\_\_  
\_\_\_\_\_

### Stop 2: The water gauges

Look for the gauges in the water near the corner of Marsworth Reservoir. 0 marks the full level. When full, there are 484 million litres of water in the reservoir!



The gauge is a metre stick with increases of 20mm marked on it. If the gauge reads in minus figures, the reservoir is below the full level. If the gauge reads in plus figures, it is over full.

What figure does the gauge read?  
Is the reservoir over full or under full?

It shows \_\_\_\_\_ which means it is \_\_\_\_\_

(N.B. The gauges near the corner of Startop's End Reservoir may be easier to read, depending on the water levels!)

### Stop 3: The overflow channel

The overflow channel or weir carries surplus water from Marsworth Reservoir to Startop's End Reservoir.



How fast does the water flow?

Throw in your stick on one side of the bridge and time how long it takes to appear at the other side.

It takes \_\_\_\_\_

### Stop 4: The woodland

Now check up on the health of the woodland.

Use your quadrat to find out what insects, mini-beasts and plants live here.

I found:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_



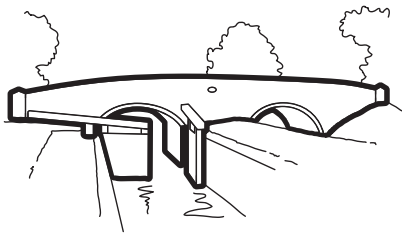
## Stop 5: The feeder channel

The feeder channel runs alongside the Grand Union Canal.

How long does it measure from the outlet to the cafe bridge?

It measures \_\_\_\_\_

## Stop 6: Marsworth Lock



Now check to see if the lock is in good order.

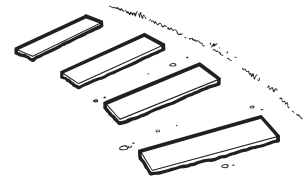
What are the lock gate beams made of? \_\_\_\_\_

Are they damaged? \_\_\_\_\_

Do they need painting? \_\_\_\_\_

Look for the heel grips under the balance beam. They help to make pushing open the lock gates easier.

Are any of them missing? \_\_\_\_\_



Now count the bollards used to tie up boats.

How many are there? \_\_\_\_\_

Are they in good condition? \_\_\_\_\_

Now fill in your report submission:

## Tring Reservoirs Water Management Report

This report was made by \_\_\_\_\_

Time: \_\_\_\_\_

Date: \_\_\_\_\_