

Instructions for use

1. Print single sided.
2. Cut each page in half so the images are on their own half sheet.
3. *Optional* – To identify each set, color all four symbols the same. Color each set differently.

Answer Key

Image ☆	04/20/2021	13:00
Image □	04/30/2021	12:00
Image ◇	05/07/2021	18:00
Image Δ	05/12/2021	11:00

Notes about the Images

Image □

- The water doesn't completely fill the channel, evidenced by the muddy banks of the river being visible. (Lower than baseflow, but would need other images to compare to make the distinction of baseflow)
- The water is clear (low turbidity), which hints that the water hasn't been disturbed (rain) recently.
- There are few leaves on the trees, and they are bright green, hinting that it is early in the year (spring) as opposed to a lot of green leaves (summer) or few yellow leaves (fall).

Image O

- The water level is overflowing the channel, evidenced by the submerged tree in the foreground.
- The water is murky (high turbidity), which hints to a recent disturbance (rain) causing sediment to be suspended in the river.
- There are few leaves on the trees, and they are bright green (similar assessment as in □). In comparison to □, there are more leaves, and the leaves are larger which tells us the image happened after □.

Image ◇

- The water level 'perfectly' fills the channel, evidenced by the water being contained to the channel.
- The water is semi clear (hinting to a low-medium turbidity). It is less clear than in □ but clearer than in O or Δ. This could mean a disturbance (rain) happened, but the sediment has had time to settle a bit.
- There are many green leaves with few sparse branches. This hints this image is after □ and O.

Image Δ

- The water level is overflowing the channel, evidenced by the submerged tree in the foreground. The river is the highest compared to the other three images.
- The water is murky (high turbidity), which hints to a recent disturbance (rain) causing sediment to be suspended in the river.
- There are many green leaves with very few sparse branches. This hints this image was taken after all the others.

IN St Marys Downstream



USGS 04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN
Thursday, April 29, 2021 12:00:59 PM



IN St Marys Downstream 2



USGS 04182000 ST. MARYS RIVER NEAR FORT WAYNE, IN
Friday, April 30, 2021 11:00:03 AM



