Ein Bild, das Diagramm, Karte, Reihe, Text enthält.

Automatisch generierte BeschreibungEin Bild, das draußen, Himmel, Wasser, Baum enthält.

Automatisch generierte BeschreibungEin Bild, das draußen, Wasser, Himmel, Gewässer enthält.

Automatisch generierte Beschreibung

Fig. 1: above sketch of the near-natural bypass river at the Ottensheim-Wilhering Danube power plant, indicating the locations of the 5 PIT tag detection antenna arrays (1-5); insert – geographical location in Austria; arrows – flow direction. Below, photos of the entrance of the bypass (source: VERBUND).



Fig. 2 Number & total length of nase (Chondrostoma nasus) tagged (n=190) & released upstream the HPP and detected (n=80) by antenna arrays in the fish pass.



Fig. 3 First & last detection (X) of nase per year in the fish pass according to their size class in 2021, 2022 and 2023



Fig. 4 Abacus plot of PIT tag data depicting a time line (weekly detections) for individual tagged nase with the release in the impoundment above the HPP (dashed line) and detections (dots) coloured by detection location in the fish pass= antenna array #1-5 (brown: #1 at upstream exit, red: #2 ramp below exit, orange: #3 at Aschach river, dark green: #4 at Innbach river, light green: #5 at downstream entrance). Individual fish are arranged by increasing total length (12,1 to 47,3 cm)