

Tour 1: Technical Tour for Fish Passage installed in Sabo Works

Duration: 8:30-18:00 Wed. 22th Aug. (approx. 9.30 h)

Rendezvous: West exit on Minami Urawa station, 40 min from Ochanomizu station by local train

Drop-off: near the venue of ISE2018

Driving time: 6.50 h

Tour Size (Numbers) : 20 -40

Fee: 7,600 JPY

Included: Bus fare included in the tour. No entrance fee is required.

Not included: Lunch, Pick up service, Drop-off service

Tour Description

In Gunma prefecture, there is Kanna River which is a branch of Tone River. Several kinds of Japanese original forests can be observed in the catchment area of Kanna River. Also, many Sabo works for sediment movement control were constructed in Kanna River. In order to preserve migration of multi-aquatic animals (freshwater fishes, benthic fishes, and etc.), several kinds of fish passages have been installed in Sabo dams.

In this technical tour, switchback-type fish passage with underpass, fish passage with stacking boulders, pool-type fish passage with both trapezoidal section and transversely changed weir shape can be observed.

Switchback-type fish passage with underpass was installed in the Sabo dam located at Nakanosawa River, because Sabo dam with 10 m height and sub-dam with 5 m height were constructed in restricted river width and topography. Of course, many freshwater fishes can migrate upstream and downstream of Sabo dam. You might have a chance to find migrating fishes in the fish passage.

In the ground sill of Sabo works located at Kanna River, pool type fish passage with both trapezoidal section and transversely changed weir shape was constructed. This structure enables the upstream migration of multi-aquatic animals under a wide range of discharges and has a system for flushing gravel and driftwood that accumulate in pools during flood stages. At the same place, the fish passage with stacking boulders was constructed as an assistant method for helping aberrant fishes. Large dam which is called Shimokubo dam with multi-purposes (i.e., water power, irrigation, water supply, and flood control) is located at the downstream of the ground sill, and some kinds of freshwater fishes utilize dam-lake as sea.

You can go into the fish passage, and might have a chance to find some kind of fishes.

Time Schedule

Time	Program
8:00-8:30	West exit at Minami Urawa station
8:30-11:00	Departure and drive to Nakanosawa
10:00 – 10:15	Intermission at Service Area on Kanetsu High way
11:00-11:50	Location A -Nakanosawa & Fish passage at Sabo dam
11:50 – 12:20	Departure and drive to Uenomura MichinoEki
12:20 – 13:20	Lunch (Please provide your lunch by yourself)
13:30 – 14:00	Departure and drive to Kashiwagi Weir
14:00 – 15:00	Location B – Kashiwagi Weir & Fishway (Pool type fish passage with both trapezoidal section and transversely changed weir shape Fish passage with stacking boulders)
15:00 – 18:00	Departure and drive to Nihon University
16:00 – 16:15	Intermission at Service Area on Kanetsu High way
16:15 - 18:00	Departure and drive to Nihon University (ISE2018 Venue)

