

visitor's gallery of the fish ladder

In a 70 m² space, discover the reasons that led to the construction of the fish ladder, its working and the few 30 fish species that bypass the dam.

The exhibition involves trilingual information panels, videos, an aquarium, the up-to-date results of the migration metering and an observation area which allows seeing into the tanks under water level.

About migration...

Numerous factors, such as air temperature, water level or time of the day, may have an influence on the migration. As a rule, fish travel non stop through the ladder. There are 2 big migratory periods in the year during which a more important influx of fish can be watched: springtime (March to June) and fall (September/October). However, it is not guaranteed that you'll be able to see travelling fish during your visit.

technical characteristics

| fish ladder | |
|-------------------------------------|-------------------------|
| Average difference in level | 10 m |
| Total length of fish ladder approx. | 290 m |
| Flow into upstream tanks | 1,2 m ³ /s |
| Total inflow | 11-15 m ³ /s |

to know more:

Access only by guided tour. Guided tours for groups and educational workshops for pupils are available by appointment. Pushchairs and wheelchairs have also access to the visitors' gallery (except the terrace). Dogs are not admitted.

Parking area for cars and busses.

opening times | rates

Duration of the guided tour: 45 min.

Registrare at the reception desk 15 min. before start.

Opening hours End of March to October:

| | Opening hours in the morning | Beginning of the guided tour | Opening hours in the afternoon | Beginning of the guided tour |
|-----------|------------------------------|------------------------------|--------------------------------|------------------------------|
| Monday | closed | - | 13:30 – 17:15 | 13:45, 15:00, 16:15 |
| Tuesday | closed | - | closed | - |
| Wednesday | 11:00 – 12:15 | 11:15 | 13:30 – 17:15 | 13:45, 15:00, 16:15 |
| Thursday | 11:00 – 12:15 | 11:15 | 13:30 – 17:15 | 13:45, 15:00, 16:15 |
| Friday | 11:00 – 12:15 | 11:15 | 13:30 – 17:15 | 13:45, 15:00, 16:15 |
| Saturday | 11:00 – 12:15 | 11:15 | 13:30 – 17:15 | 13:45, 15:00, 16:15 |
| Sunday | 09:30 – 12:15 | 9:45, 11:00 | 13:30 – 17:15 | 13:45, 15:00, 16:15 |

November + January: Sun. + public holidays

13:30 – 17:15, guided tour 13:45, 15:00, 16:15

February + March: Sun. + public holidays

09:30 – 12:15, guided tour 9:45, 11:00 and 13:30 – 17:15, guided tour 13:45, 15:00, 16:15

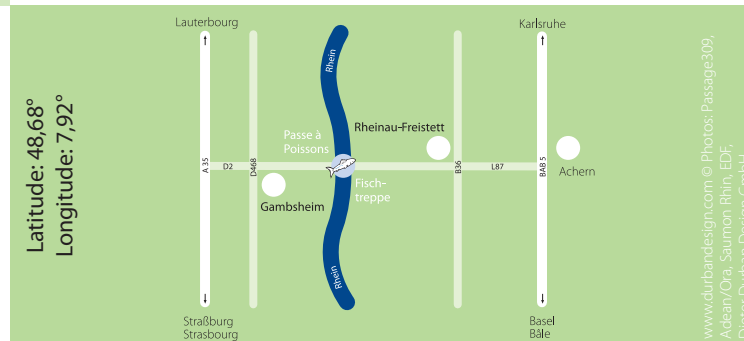
December + New Year: closed

Winter time: open during the week for groups by appointment

| Prices | Individuals | Groups of 15 or more |
|----------------------|-------------|----------------------|
| Adults | € 3,00 P. | € 2,50 P. |
| Fishing licence card | € 2,50 P. | € 2,00 P. |
| Children (6-12) | € 1,50 P. | € 1,00 P. |
| Families | € 7,00 | - |
| Students | € 1,50 P. | € 1,00 P. |

Guided tour of visitors' area (by appointment)

| | |
|---|------------------------------|
| Guided tour for groups (1 hour, maxi 50 P.) | € 40,00 + entrance fee p. P. |
| Educational workshops (90 min., Monday, Thursday) | € 3,00 P. |



Latitude: 48,68°
Longitude: 7,92°



fish ladder

Gamsheim Rheinau



Information: Tel. 0033 (0) 388 96 44 08, info@passage309.eu
www.passage309.eu

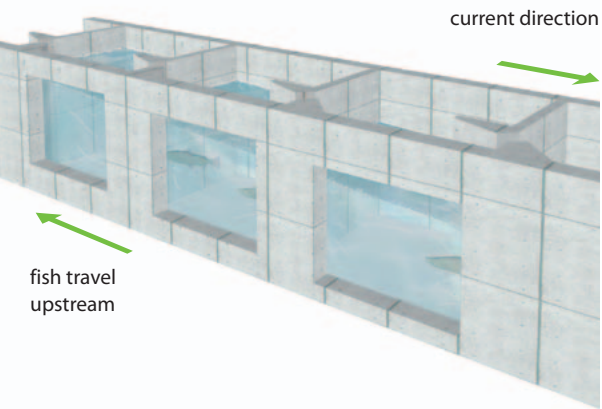
Ce projet est cofinancé par l'Union Européenne (Programme INTERREG - Fonds européen de développement régional)
This project is co-funded by the European Union (INTERREG programme - European Funds for Regional Development)



passage 309

site rhénan | rheinareal
gamsheim rheinau





visitors' gallery

The fish ladder allows fish travelling from downstream to upstream to bypass the Gamsheim/Rheinau dam. Migrating fish like salmon are not the only ones to use the fish ladder to swim up the Rhine – local species are also prevalent.

visitors' gallery

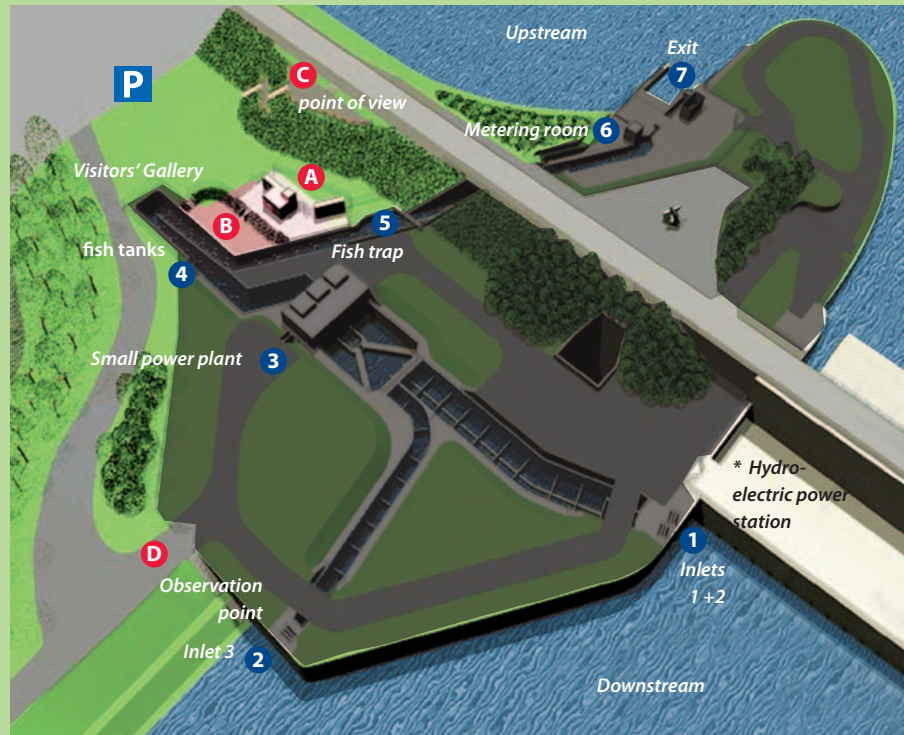
- A** Reception/Toilets/Information centre and observation point
- B** Visitors' terrace
- C** Panoramic viewpoint
- D** Observation point Inlet 3

A–D Accessible to visitors
1–7 not accessible

fish ladder

The ladder is an open concrete chamber with a slope of less than 4° (increase in level of 1m every 15m). The upper part of the section located next to the small hydraulic power plant consists in a cascade of water 200 m in length spread over 39 tanks which are linked to each other by vertical openings.

- 1** Inlets 1 and 2
Inlets 1 and 2 are located in the area where the current is strongest. The current is produced by the outflow of water from the power plant and attracts migratory fish such as salmon, sea trout and shad.
- 2** Inlet 3
The third inlet is located in area where the current is not so strong and this helps the local species of fish and macrofauna (little beings from 4 to 80 mm) to swim upstream.



- 3** Small power plant
The water diverted to attract the fish passes through the turbines to produce electricity.
- 4** Series of fish tanks
Each tank has a surface of approximately 13 m² and a depth of about 1,65 m. The ground is covered with a layer of pebbles which fosters the development of macrofauna. Each opening is 45 cm wide. The flow rate is 1,2 m³/s.
- 5** Fish trap
- 6** Metering room
At the exit of the fish ladder, a video camera records the fish passages 24h/24 in order to count, after viewing the images, the number of fishes of each kind that have bypassed the dam.
- 7** Exit

***Hydro-electric power station**
Operated by CERGA, a subsidiary of EDF-EnBW. The energy produced is also shared out between the two electricity boards.

