

FITFISH

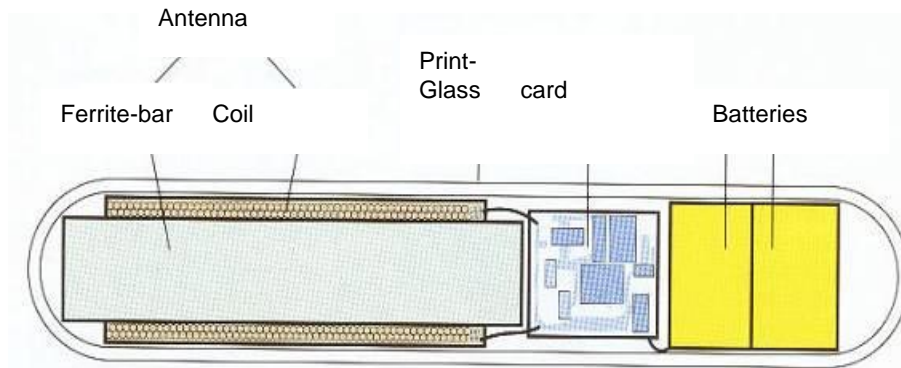
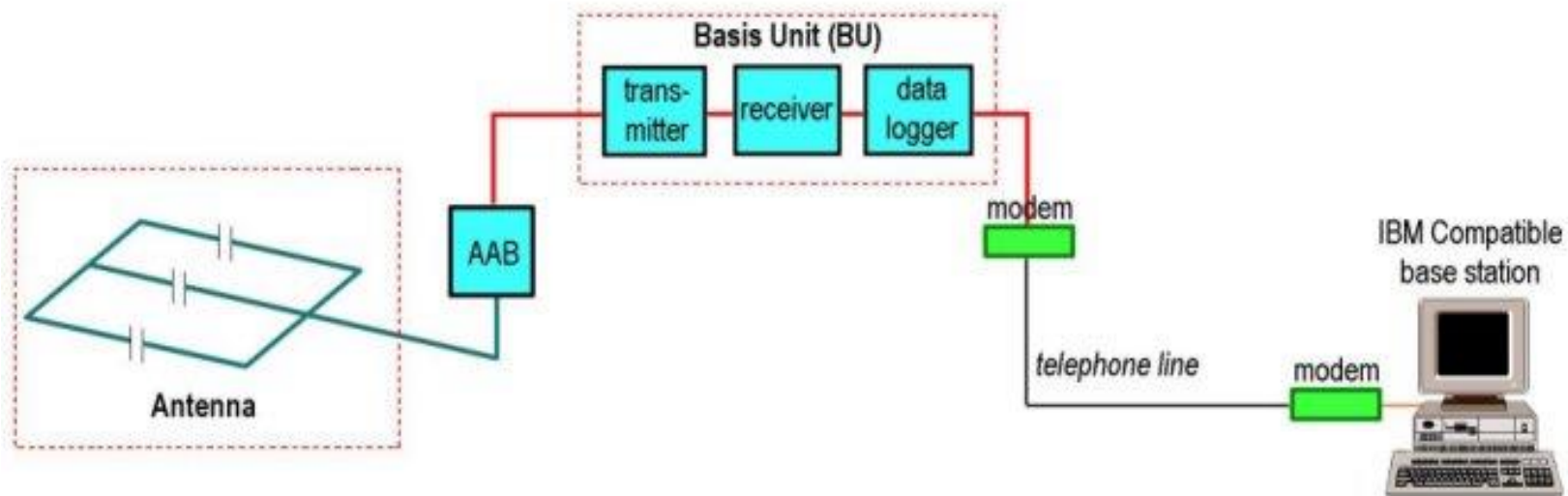
NEDAP Trail Transponder telemetry system

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NEDAP-RIZA transponder system



Transponder technique:
Based on inductive coupling
Interrogation signal (4 s)
Inductive activation of tag
Battery aided signal from tag
2 min passive after signal

NEDAP-RIZA transponder systeem

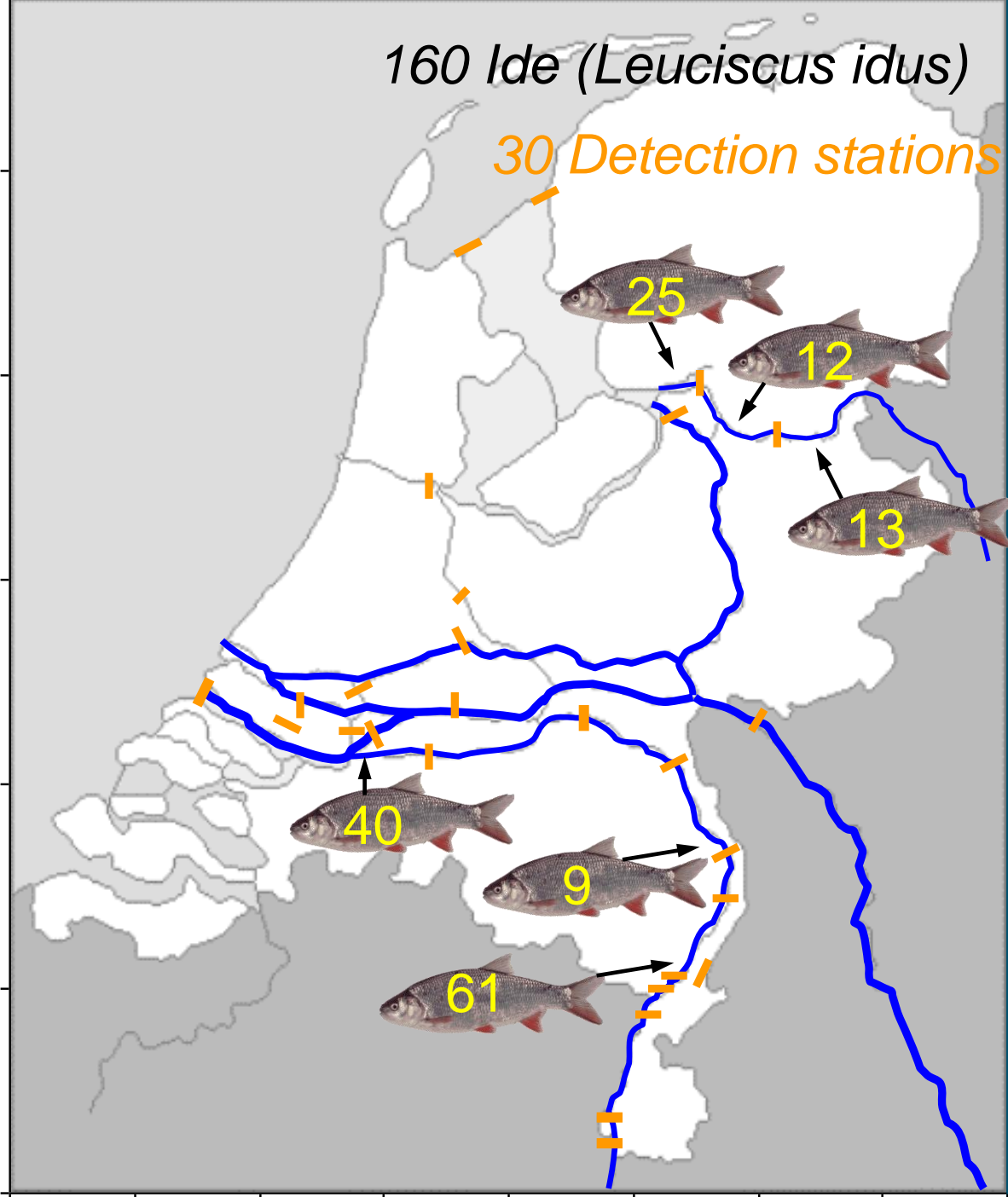


Telemetry experiments 1998-2004

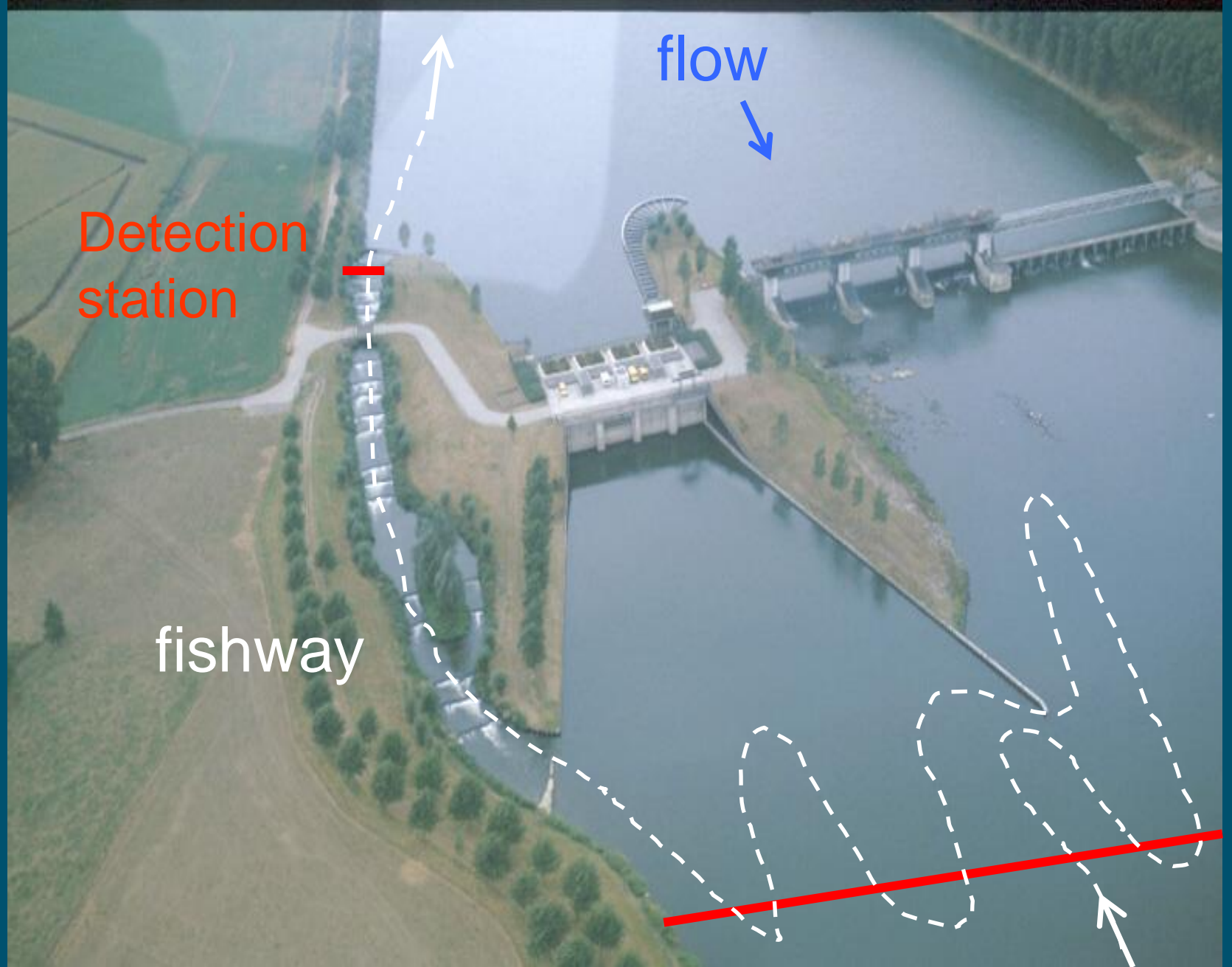


NEDAP-transponders

Life span 3-4 years



Passage behaviour at fishways



Transponders and surgical procedure



Transponder NEDAP-TRAIL, RIZA
63x14 mm, 26.5 g (air), 16 g (water)

Anaesthesia: 2-phenoxy-ethanol (0.9 ml l⁻¹)

Mid-ventral incision: 2-3 cm (in body cavity)

Wound closing: Cyanoacrylate adhesive &
biological bandage (*Baras & Jeandrain 1998*)