



# Case Study

## CANOE SAFETY BOOM, RIVER WAVENEY, SUFFOLK

**Client:** Environment Agency

**Main Contractor:** Jackson Civil Engineering

**Anchor Installer:** [Haven Ports Ltd](#)

### PROJECT SPECIFICATION

The Environment Agency is keen to open up various rivers to leisure users, such as canoeists, whilst at the same time safeguarding them from the danger of fast flowing weirs. Safety booms with a safe working load of 50kN were installed at various locations on the River Waveney, each requiring anchoring to the river bank.

### SOLUTION

An anchor point was established at each location by driving the anchor up to 8m into the river bank to intercept a layer of gravel. An eye was formed at the end of the wire tendon on site, using wire rope grips, to which the boom was attached.

**Anchor System:** B06TB aluminium bronze anchor c/w 9m of 12mm Ø stainless steel wire tendon and stainless steel wire rope grips.

**Quantity:** 3

**Anchor Design Life:** 120 yrs

**Soil Type:** Gravel

