Measurement of stage in rivers:

Considerations for site selection:

- Practical issues for accessibility, installation, sustainability
- Stage-discharge
  - Unique relation stage-discharge
  - Discharge measurement possible
  - Confined cross section for accuracy
Measurement of stage

Direct systems:

Float gauge:
Measurement of stage
Direct systems:

Float gauge:

Recording
1) on chart
2) tape
3) solid state
Measurement of stage
indirect system

Bubble type pneumatic gauge
Measurement of stage
indirect system

Ultrasonic water level gauge
Measurement of stage
indirect system

Ultrasonic water level gauge
Measurement of stage
indirect system

Pressure transducers

Air pressure compensated
1) Vented
2) Not vented

Options for converting pressure to an electronic signal:

Van Essen Diver
Not vented