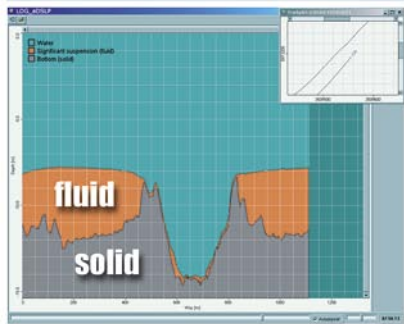


LOG_aDSL[®]

Establishes a New Quality Standard in Hydrographic Surveying



Equipment



Example: Sluice Brunsbüttel, River Elbe



LOG_aDSL[®] –

Worldwide the only echo sounder that detects real solid bottom reliably

The approved method – based on a revolutionary concept – is steered by experience and certified by federal agencies.

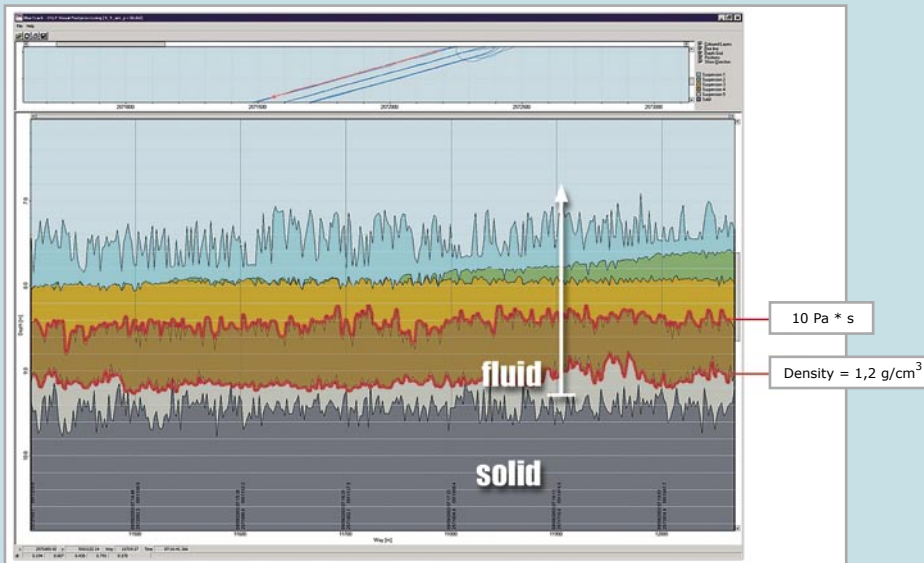
Performance:

Highly precise detection of the liquid-solid interface (bathymetry) presented in an online result:

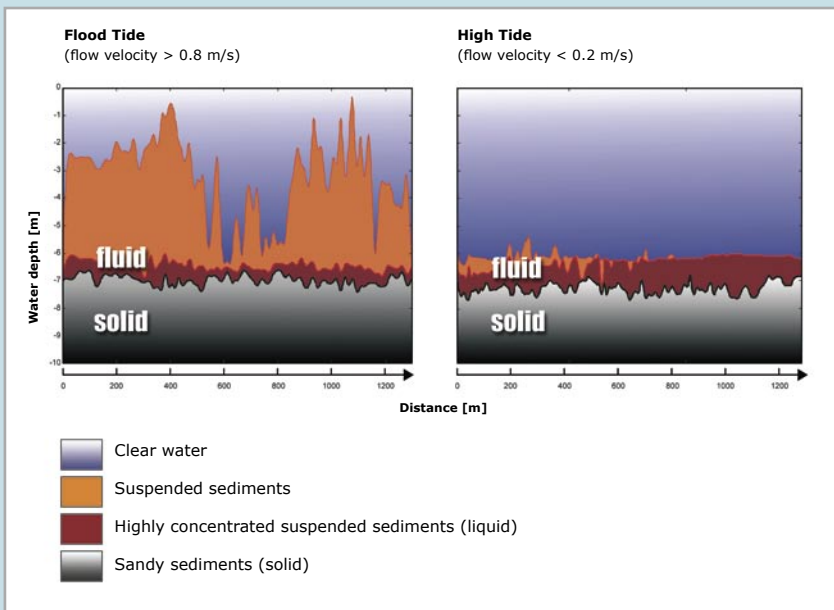
- Prove of the states *liquid* (suspension) and *solid* (sediment bodies, etc.)
- In outstanding resolution and accuracy
- In any complex stratification of suspension and sediment layers
- Of any material (e.g. fluid mud, mud, sand)
- At any time
- At any place
- Allocation of material parameters (density, viscosity etc.)
- Free from calibration
- Free from result interpretation

Application:

- Hydrographic surveying
- Dredge and dump monitoring
- Determination of nautical bottom
- Environmental monitoring
- Sediment transport



Sediment transport processes (fluid mud region) River Ems, Germany

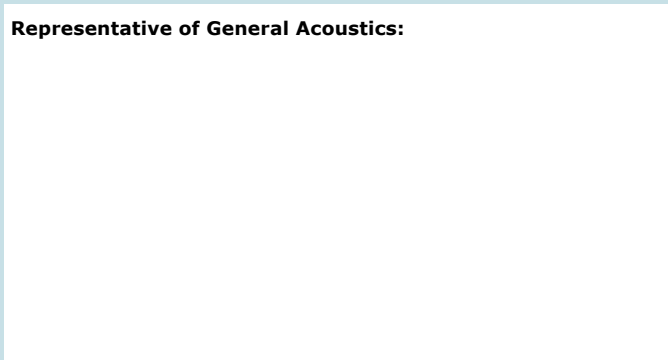


Sediment transport processes River Elbe, Germany

Input / Output

- ASCII X, Y, Z output
- Network
- Positioning systems (e.g. DGPS, RTK)
- Water level
- CTD
- Online NMEA streaming
- Printer / Plotter
- Heave, roll, pitch, motion
- Gyro
- Time synchronization (PPS)

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