THE FLOOD HUB

COMMUNITY FLOOD TELEMETRY

What is flood telemetry?

Flood telemetry systems are automated recording and transmitting technologies designed to help communities and agencies remotely monitor sources of flood risk. These systems provide warning triggers that enable effective responses to potential flooding.

Image © Vision Link

Advantages of Telemetry

- Independent operation enables real-time monitoring of locations day or night, 365 days a year.
- Capable of monitoring groundwater conditions, culverts, trash screens, rivers, ordinary watercourses, sewers and highway drainage networks.
- Facilitates quicker and safer monitoring, allowing for the timely identification and clearance of issues or blockages in watercourses.
- Can issue notifications and warnings, as well as send images during rising water conditions.
- Collects data on specific areas, building a clear historical record and evidenced account of how rainfall conditions and other factors affect channels.

What's involved?

The installation of telemetry systems typically involves collaboration among multiple agencies, including authorities, communities, landowners, and the system supplier.

Initially, a site and community survey must be conducted, taking into account previous flood history and relevant records. If monitoring devices are to be installed within watercourses, sewers, or drainage systems, appropriate permissions and agreements are necessary, and additional charges may apply.

It's important to note that telemetry equipment and associated housings can be susceptible to damage or component failures. Therefore, considerations should be made regarding potential access issues and determining responsibility for repair and maintenance costs.

A flood group or community planning to install a telemetry system should anticipate costs starting at around £3,000. Since telemetry systems offer benefits to multiple users and agencies, the expense can be shared among communities, businesses, and authorities. Additionally, constituted flood groups have the opportunity to apply for grant funding to help offset these costs.

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