

Holm Burn

Geomorphological Monitoring Programme

Contract Brief

The Holm Burn below Torbreck Bridge now forms part of the South West Inverness Flood Relief Channel, conveying flows in excess of the 10 year return period from five streams draining the area to the south Inverness. It was recognised that the changes to the peak flow regime of the burn would cause channel change over time and Highland Council contracted JBA Consulting to establish a monitoring programme to both detect these changes and satisfy the requirements of the CAR licensing process. The monitoring will be used to allow proactive management of the watercourse to maintain flood capacity and ecological integrity.



The Holm Burn



Description

This monitoring programme is ongoing. Following a geomorphological audit in early 2012 it was determined that given the long term nature of the required monitoring and the probable frequency of survey it is essential that techniques are chosen that are appropriate, easily repeatable by different operatives and cost effective. The monitoring programme includes:

- Repeat 3D channel survey.
- Radio tagged gravels (supplemented with painted gravels) input into the watercourse at a number of locations to assess the origin of new coarse sediment.
- Fine sediment tracing used to compare the chemical signature of bed and bank material at a number of monitoring locations.

We would love to talk to you. Please call Caroline Anderton on 0131 319 2940 or email: caroline.anderton@jbaconsulting.com

www.jbaconsulting.com

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