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Press Release

BKS Surveys has recently been awarded a major contract for the UK Environment Agency. The contract, which is part of the Environment Agency's 'Flood Mapping Programme' and falls in the North East Region, covers the rivers Aire, Ure, Swale, Nidd, Wharfe, Ouse, Derwent, Hull and sections of drain either side of the Humber.

Flood risk management assets in Britain protect homes, businesses and farms from the risk of fluvial flooding and therefore accurate survey information on these assets is vital to the Environment Agency's approach to both day-to-day asset management and to the decision making process for their improvement or replacement. BKS are using low level LiDAR to capture the flood defence data in North-East region for a total length of river embankments exceeding 1400kms. BKS will be acquiring data using the recently launched FLI-MAP 400 system.

The system, which integrates a LiDAR (150Khz) with high resolution digital cameras and video (nadir and forward looking), is capable of acquiring up to 100kms of river embankment survey data per day. The laser data is acquired to a density of approximately 25pts per m² enabling topographical survey information to be extracted from the laser point cloud in addition to high definition digital terrain models.

The data can be used in a GIS environment for the generation of cross sections and longitudinal profiles and the terrain compared against design profiles or previous survey data. The digital, geo-referenced video and photo images provide a value added asset for office based inspections and assessment.

Notes to Editor

ABOUT BKS

BKS Surveys Ltd is a major supplier of geo-spatial data services to Government and Private Sector Business's in the UK and Ireland. From its Headquarters in Coleraine the company provides a range of topographical and terrain surveying services using land and aerial techniques. Customised 2D & 3D geo-spatial information can be provided for a wide range of applications: e.g. planning, water engineering, transportation, power transmission, utilities, land management, architecture, visualisations, environmental impact studies, etc. An ISO 9001:2000 approved company, BKS assists clients with the development and integration of their geospatial data into a functional Geographical Information System or specific Software Application.