

CASE STUDY

Borehole Water Project—Nepal

Client:	Anglian Water
Location:	Nepal
Products:	Laval R-CAM 1000 XLT Downhole Camera
Project Description:	Providing key equipment for a project to improve water supplies and enable borehole training
Keywords:	Borehole inspections, Laval, Anglian Water, downhole camera, water supplies, camera skills, training



“Ultimately, the idea is to be able to help deliver a 24/7 water supply which will make a real difference to the local communities, and we couldn’t have done it without the equipment and support of Geoquip,”
Nick Walters

The Beacon Project, a collaboration between Anglian Water, its Alliance (capital delivery) partners and WaterAid, is working to improve water supplies, sanitation and waste water management in the Nepalese town of Lahan, where less than half of the 98,000 strong population has access to piped water.

The town only has one water treatment works and water is supplied from five boreholes via a network of pipes. Early on, the team discovered a problem with sand contamination, as Nick Walters, Anglian Water’s Groundwater Surface Water Manager, explains: “The borehole should have been about 180m deep, but because it had back-filled with sand, it was nearer 50m and there were real concerns about water quality.”

To help investigate the problem, the team turned to Geoquip, who recommended using a robust and lightweight R-CAM 1000 XLT Downhole Camera. Not only did this identify a breach in a borehole casing, but it allowed local managers and engineers to be trained on using the equipment—many of them had never had the opportunity to use a camera to look down a borehole before.

“The training was very successful,” said Nick. “The focus was on hands-on use of the camera and enhancing their skills. The education element of the workshops was very valuable.”



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