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4320

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Dear Sirs

BABANANGO GAME RESERVE: WATER FLOW IN HIGH AND LOW FLOW CONDITIONS

Undasa Project Partners (Pty) Ltd were appointed by Babanango Reserve Management to design the river crossing across the umfolozi river.

The drift solution was adopted due to the exposed rock outcrops and was the most economical, rather than constructing a bridge which be 10 times more in cost.

The water would flow over the drift in high flood periods and where there are low points in the rock profile, a series of culverts that fit the waterway area. have been inserted to allow for low flow conditions.

The drift has been designed to follow the rock profile closely, and is keyed into the rock, so that it does not wash away.

Either side of the drift is sloped, so that it is more forgiving to the river flow and does not have a vertical faces, inhibiting flow.

We therefore wish to confirm that the water will be able to freely flow during both high and low flow conditions (during winter and drought periods)

Yours faithfully



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