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Guide to hydraulic characteristics of South African rivers.

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Site Name	River	IFR No.	Locality Name
Olifants 13D	Lower Olifants	13D	Tulani

Geomorphological Unit	Geomorphological Zone	Bed Material
		Bedrock, Cobble, Sand

Altitude [AMSL	Longitude	Latitude	d16 (mm)	d50 (mm)	d84 (mm)
	30 01,02'E	24 07,60'S	0.2	40	110

Channel Slope	Relative Roughness Scale
0.0012	Intermediate

Hydrological Information

MAR(virgin) (mm^3)	MAR(present) (mm^3)
1845	1035

Ecological Information

Quat	Ecoregion
	5.06

EIS	PES
	C

Hydraulic Information

Date	Discharge (cumecs)
19 September 1999	2.3

Area (m^2)	Wetted Perimeter (m)	Hydraulic Radius (m)	Width (m)
8.106	31.431	0.258	31.29

WS Slope	Distance (m)

Other Flows Measured at This Site

Max Flow Depth (m)	Avg Flow Depth (m)	Avg Velocity (m/s)
0.69	0.26	0.28

Manning's n	Chezy C	Fj

Upstream Photograph

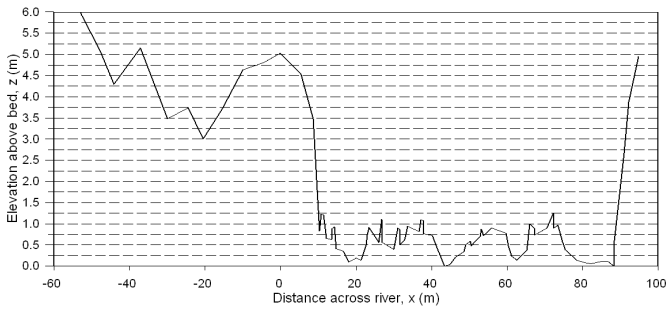
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Downstream Photograph



Cross Sectional Plot



Cross-sectional profile for EWR Site 13D

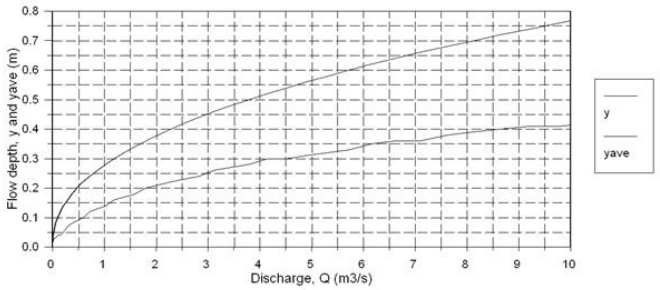
Site View



Cross Section Photograph



Stage Discharge Curve



$$y = aQ^{b} + c$$

Discharge Q (m^3/s)	Rating coefficients			
	a	*b*	*c* relative to	
			bed	local datum
All	0.278	0.441	0.000	