BF 73921 Hwy 43 Over Iosegun River
Hydrotechnical Summary

Channel Capacity :

S = 0.0015
B = 7 m, h = 2.2 m, T_h = 14 m
Use n = 0.04

At Bank Height : Y = 2.2 m, V = 1.3 m/s, Q = 30 cms
At Channel Capacity : Y = 3.2 m, V = 1.8 m/s, Q = 65 cms

Historical Highwater Data :

Hw has been observed at this site in 1955, April 1963, June 1965, June 1971, June 1972, June 1978, July 1986, and Jun 2001 with Y = 2 – 3m.

Gauge 07GG003 (DA = 1950km^2, 1970 – Now) reports HW events in June 1996 and July 1971. The largest storms for this area in the storm database are about 110 mm of rainfall in July 1964 and June 1978.

Basin Runoff Potential :

d = 80 mm, T_p = 20 hrs, q = 1.1 cms/km^2.
Gross DA = 158 km^2.
Q_p = 175 cms.

Conclusion :

The channel capacity estimate is consistent with historic observations and is within the basin runoff potential.

Recommended parameters : Y = 3.2 m, V = 1.8 m/s, Q = 65 cms.