Calculating Slope

Bankfull depth is composed of 1 method, Slope&Bearing.

GIVEN from Slope&Bearing
UpstreamTransect (There are 100 possibilities:
(A1,A2,A3,A4,A5,A6,A7,A8,A9,B0,B1,…K0)
SegmentLength (this is in meters)
EyeHeightOnLevel (this is in cm)
EyeHeightOnRod (this is in cm)

CALCULATED INPUT

RiseMeters = [absolute value of (EyeHeightOnRod – EyeHeightOnLevel)] ÷ 100
for each UpstreamTransect
CumSegmentLength = sum of all SegmentLength for all UpstreamTransects.
CumRiseMeters = sum of all RiseMeters for all UpstreamTransects.

METRIC OUTPUT

SiteSlope =(CumRiseMeters / CumSegmentLength) x 100

Metric	SourceFile	Operation
SiteSlope	Slope&Bearing	Sum rise distances (m). Sum run distances (m). Divide rise by run and convert to percent.