

Calculating Side-channel length

Bankfull depth is composed of 2 methods, Site Layout and Thalweg.

GIVEN from Site Layout:

Length (this is the distance in whole meters that the thalweg profile follows from A0 to K0).

GIVEN from Thalweg:

TransectStation (There are 101: A0,A1,A2,A3,A4,A5,A6,A7,A8,A9,B0,B1,...K0)

SideChannelNum (1,2,...)

CALCULATED INPUT

ThalwegIncrement – This is calculated as **Length** divided by 100.

It is the longitudinal distance between ThalwegStations

SideChannelStaCount – Count **ThalwegStations** where **SideChannelNum** = any non-null.

METRIC OUTPUT

SideChannelLength = (SideChannelStaCount – 1) x ThalwegIncrement

SideChannelSiteProportion = SideChannelLength/ Length

Metric	SourceFile	Operation
SideChannelLength (tenth of meters)	SiteLayout, Thalweg	(SideChannelStaCount – 1) x ThalwegIncrement
SideChannelSiteProportion	SiteLayout, Thalweg	SideChannelLength/ Length