Possible Workflows Using *Topographic Analysis Kit*

GeoTiff or ASCII of Digital Elevation Model

MakeStreams

ConditionDEM *RemoveFlats* *FitThreshold*

Individual Basin(s) Selection

Basin Average Maps or Plots

shp array **Shapefile of Categorical Data**

Stream Selection and Projection

shp array

Channel Steepness or *X* Maps / Grids

shp

Swath Profiles with Projected Data

array

BasinPicker *ProcessRiverBasins* *CatPoly2GRIDobj* *SegmentPicker* *KsnChiBatch* *KsnProfiler* *MakeCombinedSwath* *MakeTopoSwath*

shp ascii grid

SubDivideBigBasins

ascii grid shp

ascii grid shp

SegmentPlotter *SegmentProjector*

shp

ClassifyKnicks

pdf pdf

pdf pdf

FindBasinKnicks *Basin2Shape* *Basin2Raster* *PlotIndividualBasins* *CompileBasinStats*

shp

SegmentPlotter *SegmentProjector*

pdf pdf

shp

ClassifyKnicks

shp

shp shp ascii grid pdf

BasinStatsPlots

pdf

Any mat File Output Containing TopoToolbox Objects or MapStructs

Mat2Arc

shp ascii grid