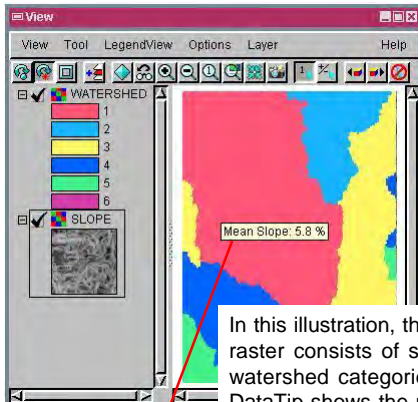


Raster Statistics for Category Rasters

DID YOU KNOW . . . that you can compute Raster Statistics for category rasters?

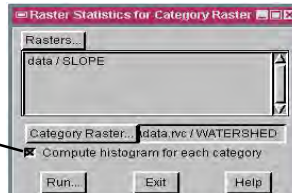
What Raster Statistics for Category Rasters Give You

- Calculate statistics for each raster category
- Compute histogram for each raster category
- Generate database tables for the statistics and/or histograms computed



In this illustration, the category raster consists of six watershed categories. The DataTip shows the mean slope calculated for the first watershed category.

This toggle button determines if a histogram is calculated for each raster category. Note that this button is dimmed for raster objects that are greater than 8-bit.



The input rasters and the category raster must have the same cell size to be selected for this process.

Min	Max	Mean	Mode	Median	StdDev	CellCount	NormalizeFactor
0.0	73.0	5.8	3.0	4.0	7.2	76538	1.62902476
0.0	18.0	3.9	3.0	3.0	2.3	16797	2.41487697
0.0	69.0	10.8	5.0	7.0	10.1	43157	0.87157628
0.0	74.0	10.6	5.0	7.0	9.6	30222	0.89392287
0.0	59.0	6.9	5.0	5.0	6.1	7344	1.36908326
1.0	88.0	18.7	14				

Descriptive statistics are generated for each raster category.



Cell	Count
0.0000	5179.0000
1.0000	4151.0000
2.0000	11681.0000
3.0000	
4.0000	
5.0000	
6.0000	

The histogram table provides raster cell counts for each raster value that falls within each raster category.

How to Compute Raster Statistics for Category Rasters

- Select Raster/Interpret/Statistics by Category Raster from the menu bar.
- Click on the Rasters button to add one or more raster objects.
- Click on the Category Raster button to add a raster object.
- Click on the Run button.
- Accept or change the default name and description for the raster database table(s) when prompted.
- View the raster database tables generated.

WANT TO KNOW MORE?

See the section entitled Raster Properties in the Process volume of the:

Online Reference Manual

