

# Raster Statistics for Vector Polygons

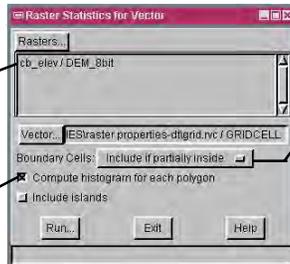
**DID YOU KNOW** . . . you can compute Raster Statistics for vector polygons?

## What Raster Statistics for Vector Polygons Give You

- Calculate raster statistics for each vector polygon
- Compute histogram for each vector polygon
- Generate database tables for the statistics and/or histograms computed
- Determine how raster cells crossing vector polygon boundaries are handled

Separate histogram and raster statistics tables are generated for each raster selected.

This toggle button allows you to determine if a histogram is calculated for each vector polygon. Note that this button is dimmed for raster objects that are greater than 8-bit.



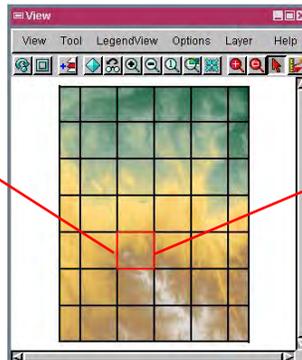
The Boundary Cells option menu lets you determine how raster cells that cross vector polygon boundaries are handled.

Include if partially inside  
Include if center inside  
Compute proportionally  
Exclude if partially outside

Cell	Count
78.0000	2,0000
79.0000	18,0000
80.0000	16,0000
81.0000	51,0000
82.0000	58,0000
83.0000	24,0000
84.0000	29,0000
85.0000	52,0000
86.0000	38,0000
87.0000	53,0000

145 of 2566 records shown - 145 relate!

The histogram shown table provides raster cell counts that fall within each vector polygon.



Single Record View is more convenient for examining the raster statistics calculated for the vector polygon selected.

Table	Edit	Record	Help
Min:		78.00000000	
Max:		227.00000000	
Mean:		122.93751240	
Mode:		102.00000000	
Median:		120.00000000	
StdDev:		27.10994413	
CellCount:		5041.00000000	
NormalizeFactor:		0.65929534	

## How to Compute Raster Statistics for Vector Polygons

- Select Geometric/Attributes/Raster Properties from the menubar.
- Click on the Rasters button to add one or more raster objects.
- Click on the Vector button to add a vector object.
- Choose the desired options and click on the Run button.
- Accept, or change the default name and description for the polygon database table(s) when prompted.
- View the polygon database tables generated.

### WANT TO KNOW MORE?

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

**Online Reference Manual**

