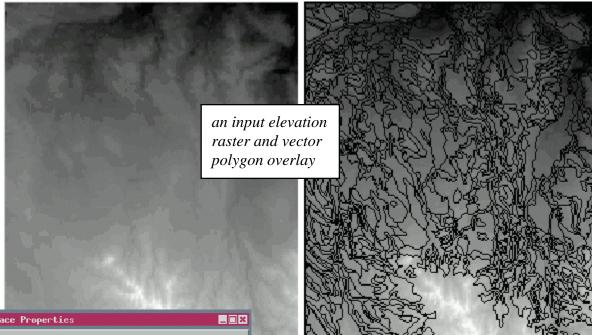
## **Surface Properties**

The new Surface Properties process uses a georeferenced elevation raster object (e.g. DEM) to compute new tables containing surface measurements for vector elements as well as raster properties. The area can be specified by an existing vector object or by a vector object created within the Surface Properties process.



Surface Properties						
File	Help					
Input Raster C:/WORK/CB_TM.RVC/ELEVATION						
Input Vector C:/HORK/CB_SOILS.RVC/CBSOILS						
🗉 Surface Properties Z Level: 120,	000000					
Raster Properties						
Run Exit Hel	ρ					

the Surface Properties process control window for input and output

CBSOILS / POLYDBASE Table Edit Record F Attached Record 572		Help	table	elevatio e shows erties (	5
Max: 177,00 Min: 117.00 Mean: 142.44 Mode: 38.85 Median: 8.97			the e	elevatio er for a eted	n
StdDev: 12,34	■CBSOILS / Lin	neData /	SURFACEPR	ROP	
CellCount: 779	T <b>able</b> Edit	Record			Help
	F Attached Red	ord 1550	0 of 2256	(1/1 at	tached)
the surface	Length: 1944	1.05	neters		
property tables	MaxZ; 142.	,00	neters		
show properties	Min2: 117.	,00	neters	_	
	MaxSlope: 6.02	2	Degrees	-	
of polygon and line elements	MinSlope: 0.00	)	Degrees		

The process automatically attaches the properties it computes to the vector object as new database tables. You can select a line or polygon element in the display process and view the associated records.

CBSOILS / POLYDBASE / POLYSURFACEPROP					
Table Edit H	Record		Help		
Rttached Record 572 of 778 (1/1 attached)					
Z_Level:	120.00	neters			
Area;	637832.50	sq meters			
VolumeZmin:	16270828.77				
VolumePos:	14387416.05				
VoluneNeg:	-3633.59				
BoundLength:	4571.44	neters			
MaxZ:	177.00	neters			
MinZ:	117.00	neters			
BoundMaxZ:	181.00	neters			
BoundMinZ:	117.00	neters			
MaxBoundSlope:	12.62	Degrees	-		
MinBoundSlope:	0.00	Degrees	-		

The surface properties more completely describe the terrain than the standard projected two-dimensional area properties of vector elements.