

## Shala Valley Project GIS Metadata

All SVP GIS raster and vector data are projected in UTM coordinates.  
The UTM zone number is 34. Datum: WGS84.

The base image is an IKONOS georeferenced satellite photo purchased from Geoeye. See image metadata, below.

The contour maps were produced by the Albanian government in 1974 based on Soviet surveys. They are drawn at the 1:50,000 scale. They were digitized and georeferenced (UTM) by Mr. Namik Kopliku of GIS-Albania located in Tirana, Albania, who also produced the contour layer and SVP TIN DEM, which at 5-meter intervals.

Survey tracts were positioned spatially by recording the location of a tract centroid using handheld GPS in the field. UTM coordinates for each tract centroid are recorded in the appropriate associated GIS tables and databases. Tract boundaries were then drawn as polygons in the GIS by tracing field boundaries visible in the IKONOS satellite image.

Point data for structures and artifacts were mapped using UTM spatial data collected in the field with handheld GPS receivers and corrected using the IKONOS satellite image. These UTM coordinates are recorded in the appropriate associated GIS tables and databases.

### IKONOS Image Metadata

#### *Company Information:*

##### Address

GeoEye  
12076 Grant Street  
Thornton, Colorado 80241  
U.S.A.

##### Contact Information

On the Web: <http://www.geoeye.com>  
Customer Service Phone (U.S.A.): 1.800.232.9037  
Customer Service Phone (World Wide): 1.703.480.7539  
Customer Service Fax (World Wide): 1.703.450.9570  
Customer Service Email: [info@geoeye.com](mailto:info@geoeye.com)  
Customer Service Center hours of operation:  
Monday - Friday, 7:00 - 18:00 Eastern Standard Time

#### *Product Order Metadata:*

Creation Date: 05/25/07  
Product Work Order Number: 00131843  
Product Order Number: 232213  
Customer Project Name: Albania  
Ground Station ID: PGS  
License Type: Single Organization

License Option 1: 1 Company / Corporation: Millsaps College  
Product Order Area (Geographic Coordinates)  
Number of Coordinates: 4

Coordinate: 1  
Latitude: 42.2887616800 degrees  
Longitude: 19.7507080300 degrees  
Coordinate: 2  
Latitude: 42.4200428100 degrees  
Longitude: 19.7507080300 degrees  
Coordinate: 3  
Latitude: 42.4200428100 degrees  
Longitude: 19.8252468300 degrees  
Coordinate: 4  
Latitude: 42.2887616800 degrees  
Longitude: 19.8252468300 degrees

Product Order Area (Map Coordinates in Map Units)

Coordinate: 1  
Map X (Easting): 397219.08 meters  
Map Y (Northing): 4697170.74 meters  
Coordinate: 2  
Map X (Easting): 403351.57 meters  
Map Y (Northing): 4697083.22 meters  
Coordinate: 3  
Map X (Easting): 403150.18 meters  
Map Y (Northing): 4682506.03 meters  
Coordinate: 4  
Map X (Easting): 397004.91 meters  
Map Y (Northing): 4682593.52 meters

Sensor Type: Satellite  
Sensor Name: IKONOS-2  
Processing Level: Standard Geometrically Corrected  
Image Type: PAN/MSI  
Interpolation Method: Cubic Convolution  
Multispectral Algorithm: Projective  
Stereo: Mono  
Mosaic: No  
Map Projection: Universal Transverse Mercator  
UTM Specific Parameters  
Hemisphere: N  
Zone Number: 34  
Datum: WGS84  
Product Order Pixel Size: 1.0000000000 meters  
Product Order Map Units: meters  
MTFC Applied: Yes  
DRA Applied: Yes  
Media: DVD

Product Media Format: DVD  
File Format: GeoTIFF  
TIFF Tiled: No  
Bits per Pixel per Band: 8 bits per pixel  
Multispectral Files: RGB  
Source Image Metadata

Number of Source Images: 1

Source Image ID: 2006102909474430000011631721  
Product Image ID: 000  
Sensor: IKONOS-2  
Acquired Nominal GSD  
Pan Cross Scan: 0.83 meters  
Pan Along Scan: 0.82 meters  
MS Cross Scan: 3.31 meters  
MS Along Scan: 3.29 meters  
Scan Azimuth: 359.96 degrees  
Scan Direction: Forward  
Panchromatic TDI Mode: 13  
Nominal Collection Azimuth: 257.9207 degrees  
Nominal Collection Elevation: 84.86871 degrees  
Sun Angle Azimuth: 169.0821 degrees  
Sun Angle Elevation: 33.53580 degrees  
Acquisition Date/Time: 2006-10-29 09:47 GMT  
Percent Cloud Cover: 0

Product Space Metadata

Number of Image Components: 1  
X Components: 1  
Y Components: 1  
Product MBR Geographic Coordinates  
Number of Coordinates: 4  
Coordinate: 1  
Latitude: 42.4200144129 degrees  
Longitude: 19.7481054026 degrees  
Coordinate: 2  
Latitude: 42.4208308988 degrees  
Longitude: 19.8252362564 degrees  
Coordinate: 3  
Latitude: 42.2887660640 degrees  
Longitude: 19.8276936165 degrees  
Coordinate: 4  
Latitude: 42.2879533243 degrees  
Longitude: 19.7507240050 degrees

Product Map Coordinates (in Map Units)

UL Map X (Easting): 397004.91 meters

UL Map Y (Northing): 4697170.74 meters

Pixel Size X: 1.0000000000 meters

Pixel Size Y: 1.0000000000 meters

Product Order Map Units: meters

Columns: 6348 pixels

Rows: 14668 pixels

Reference Height: 1272.3483886719 meters

Product Component Metadata

Number of Components: 1

Component ID: 0000000

Product Image ID: 000

Component File Name: po\_232213\_rgb\_0000000.tif

Thumbnail File Name: po\_232213\_rgb\_0000000\_ovr.jpg

Country Code: AL

Component Geographic Corner Coordinates

Number of Coordinates: 4

Coordinate: 1

Latitude: 42.4200144129 degrees

Longitude: 19.7481054026 degrees

Coordinate: 2

Latitude: 42.4208308988 degrees

Longitude: 19.8252362564 degrees

Coordinate: 3

Latitude: 42.2887840726 degrees

Longitude: 19.8276932825 degrees

Coordinate: 4

Latitude: 42.2879713325 degrees

Longitude: 19.7507236492 degrees

Component Map Coordinates (in Map Units)

UL Map X (Easting): 397004.91 meters

UL Map Y (Northing): 4697170.74 meters

Pixel Size X: 1.0000000000 meters

Pixel Size Y: 1.0000000000 meters

Product Order Map Units: meters

Columns: 6348 pixels

Rows: 14666 pixels

Percent Component Cloud Cover: 0