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A Publication of LAND INFO International, LLC - Global GIS Data & Consulting Services

Corporate News

SELECT SAVINGS VIA ONLINE STOREFRONT

LAND INFO International now offers an assortment of [topographic map](#) and three-dimensional [digital elevation model \(DEM\)](#) datasets for special [online storefront](#) savings. These select USA and international datasets can be purchased through LANDINFO.com's automated storefront at prices 25% below standard pricing. All data is delivered on CD in digital geo-referenced formats that are fully compatible with most GIS, GPS, and CAD software applications.

The following GIS datasets can be purchased through the storefront:

	USA Maps (multiple scales) - 250 dpi resolution
	Costa Rica DEMs (3 arc-second) - ASCII format
	El Salvador DEMs (3 arc-second) - ASCII format
	Mexico Maps (1:250,000 scale) - 400 dpi resolution
	Mexico DEMs (3 arc-second) - ASCII format
	Saudi Arabia Maps (1:200,000 scale)

Coverage Spotlight

GIS PLAYS IMPORTANT ROLE IN MIDDLE EAST

Today, the world's attention is focused on the evolving tensions in the Middle East. Diplomats continue to search for a peaceful resolution to the escalating Israeli-Palestinian conflict. Iraq is suspending its oil exports for the next month. American military forces are proceeding with operations in [Afghanistan](#). However, despite the ongoing turmoil, the area is increasingly a center for GIS-related projects.

For the past two decades, Afghanistan has sustained political isolation, countless bombings, devastating droughts, high impact earthquakes, and depressed commerce. Military operations still persist in the area. However, reconstruction is beginning. The country is being transformed into a democracy, fully supported by the international community. Billions of international aid, and an unlimited amount of infrastructure needs, has created many new projects that will use geo-technologies. Civil engineers have begun planning a new network of roads. RF engineers are in the early stage of rebuilding the countries telecommunications system. And, one of the most dangerous projects, is the mapping, and ultimate removal, of land mines in the Afghan countryside.

The established connection between the Middle East and oil is still very



GIS Data for Reconstruction, Security, & Other Needs
([view coverage by country](#))

redefining the importance of the technology.

There are many more GIS-related projects in the region. In [Cyprus](#), a small island off the coasts of [Turkey](#) and [Syria](#), environmental scientists are studying the geophysical impacts of earthquakes. Biologists in [Israel](#) are in the early stage of creating BioGIS, a national, public geographic database of the country's plant and animal landscape.

LAND INFO International is an active partner for organizations doing business in the Middle East. It offers GIS data services for [Israel](#), [Saudi Arabia](#), [Afghanistan](#), [Pakistan](#), [Yemen](#), [Iraq](#), [Iran](#), [Azerbaijan](#),



- 400 dpi resolution



Saudi Arabia DEMs

(3 arc-second)
- ASCII format



Taiwan Maps

(1:50,000 scale)
- 400 dpi resolution



Trinidad & Tobago Maps

(1:25,000 scale)



Trinidad & Tobago DEMs

(30-meter)

relevant. For example, the United States imports the largest amount of its oil from [Saudi Arabia](#). From sub-meter satellite imagery to high-resolution 3D modeling, GIS and GPS technologies are well integrated into the oil business. Routinely, energy professionals throughout the U.S. and the Middle East use geotechnologies to perform seismic surveys, surface modeling activities, pipeline routing, environmental risk assessment studies, and well management. Newer applications, such as security monitoring and emergency modeling, are slowly

[Cyprus](#), and the rest of the region. Available datasets include [topographic maps](#), [digital elevation models](#), [roads data](#), [contour elevation data](#), [hydrography data](#), [satellite imagery](#), and [custom](#) data layers. [Contact](#) LAND INFO or visit its [Middle East Website](#) for details.



Services News

BUILDINGS, ROADS, & CUSTOM EXTRACTION FROM PHOTOS



LAND INFO provides a variety of solutions for engineers, project managers, and other geospatial professionals

around the world. A growing service is [feature extraction from USGS digital orthophoto quarter quads \(DOQQ\) aerial photography](#).

This service entails a fully manual process of identifying and vectorizing each requested feature on each photograph. Each feature layer, such as buildings, is then delivered as a separate vector file. The individual feature is visually represented as a line, point, or polygon shape. End users can define the feature's color and labeling as their GIS/CAD software application allows. The extracted layers can then be overlaid onto the original source photography to create a dynamic visual tool.

Users are finding many applications

for these DOQQ feature layers. For example, D.G. Smyth & Company, a land surveyor that supports government, oil & gas, and utility projects, needed to identify properties adjacent to an environmental waste pipeline. Smyth imported the source aerial photos and extracted building footprints into AutoCAD. It then overlaid multiple layers of proprietary data which included the actual pipeline location. The combined dataset allowed Smyth to identify residents and properties that needed to be legally notified about the pipeline.

"The imagery and services we received from LAND INFO was great," commented D.G. Smyth, the founder of his namesake company. "It was a very useful tool for our project."

DOQQ Feature Extraction services are available for much of the United States. Services are not currently available for areas outside the United States. However, LAND INFO does offer feature extraction from topographic maps for virtually any country. Contact LAND INFO for more details. ([more info](#))



Many of you are new to GIS. So, to help you better understand the complex terminology of GIS, we've created GEOlearning. It's our way of having a little fun while we learn.

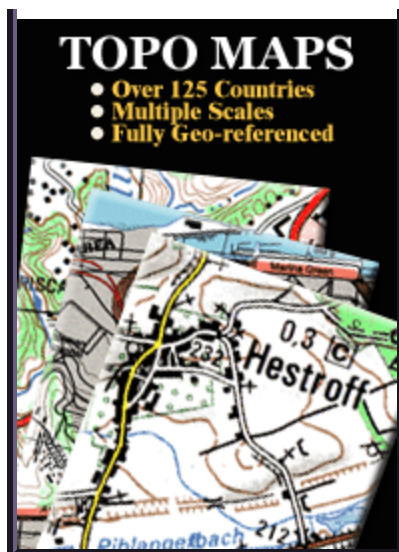
You can check your answer, as well as play GEOtrivia at the LAND INFO website. ([click here for answer](#))

What's the correct definition of the following GIS term?

"BLOB"

- A. Binary Latitudinal Origin Base -**
The positional point on the Earth's surface that defines a map scale's orientation to the Earth's axis
- B. The alien lifeform, and popular star of the 1958 film, that consumes everything in its path as it grows and grows**
- C. Band Layer Optimal Breakage -**
The acceptable focus correction rate for select bands on a remote-sensing satellite
- D. Binary Large Object -** The data type of a column in an RDBMS table which can store large image or textual data as attributes

LAND INFO International, LLC



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LAND INFO International provides digital geospatial information of the world, including satellite imagery, 3D terrain models, topographic maps, transportation data, hydrography data, contour elevation data, and custom datasets.

The company's extensive resources enable it to deliver complete geospatial solutions, including data needs assessment, custom data production, data integration, and GIS data planning services.

LAND INFO offers clients access to the world's

largest, commercial databank of digital geographic data that includes coverage in over 125 countries. The company markets to civil engineers, government planners, project managers, and other international professionals for a variety of GIS, remote-sensing and land-use applications. Please visit the website www.LANDINFO.com to learn more about these products and services. [Contact LAND INFO](#) today at 1-800-949-5080 (+1 303-369-6800) to discover how our data solutions can maximize the success of your team.

- *Aerial & Satellite Imagery*
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Send feedback about this DSJ issue to Steve Ebner at sebner@LANDINFO.com.

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