

Consider the benefits of immediate access to high quality 3D terrain data for the world. For over three decades, Intermap Technologies® had provided such worldwide products, solutions, and services. Intermap's NEXMap® database provides optimized, multi-sensor-derived digital elevation data and orthorectified radar images to enable accurate geospatial analyses in any area of interest.

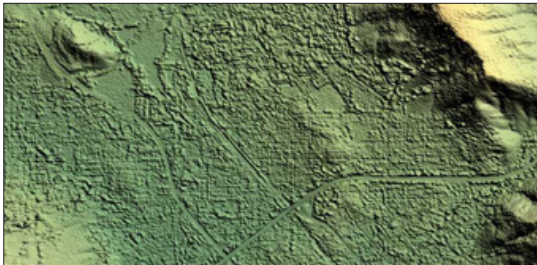
Our NEXMap products consist of seamless, wide-area, and current terrain information, including:

- **Digital surface model (DSM)** – a first-reflective-surface model that contains elevations of natural terrain features in addition to vegetation and cultural features such as buildings and roads.
- **Digital terrain model (DTM)** – a bare-earth model that contains elevations of natural terrain features such as barren ridge tops and river valleys. Elevations of vegetation and cultural features, such as buildings and roads, are digitally removed.
- **Orthorectified radar image (ORI)** – a grayscale radar image of the earth's surface that has been corrected to remove geometric distortions caused by the terrain.

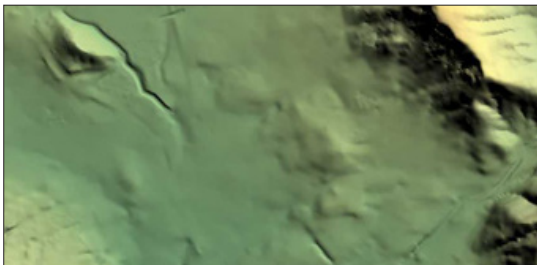
Seamless, wide-area, consistent, and current elevation data and images are critical for performing accurate geospatial analyses.

Our NEXMap products enable:

- Base, topographic, and geological mapping
- Flood modeling
- Watershed analysis
- Emergency response
- Land cover classification
- Forestry applications
- Natural resource conservation
- Environmental risk analysis
- Infrastructure planning
- Image orthorectification
- Contour generation



*DSM – Ground Sampling Distance (GSD): 5m, Vertical Accuracy: 1m LE90% in open land of slopes less than 10 degrees.*



*DTM – GSD: 5m, Vertical Accuracy: 1m LE90% in open land of slopes less than 10 degrees.*



*ORI – Pixel Resolution: 1.25m, Horizontal Accuracy: 4m CE90%.*

### ADVANCED DATA OPTIMIZATION

We ensure our data is seamless and consistent throughout the world. Our ISO-certified geospatial processing facility optimizes our NEXMap products so they are:

- Void-filled – missing data as a result of shadows, complex terrain, and / or look direction are filled via interpolation or with ancillary data to create a fully populated elevation dataset
- Hydro-enforced – structures over water bodies (such as bridges) are removed, water surfaces are flat, and watercourses flow downstream to enable flood modeling applications

Intermap's highly skilled people, development of advanced technology, and continuous refinement of our data processing and editing procedures enable us to provide accurate data that satisfies your geospatial needs.

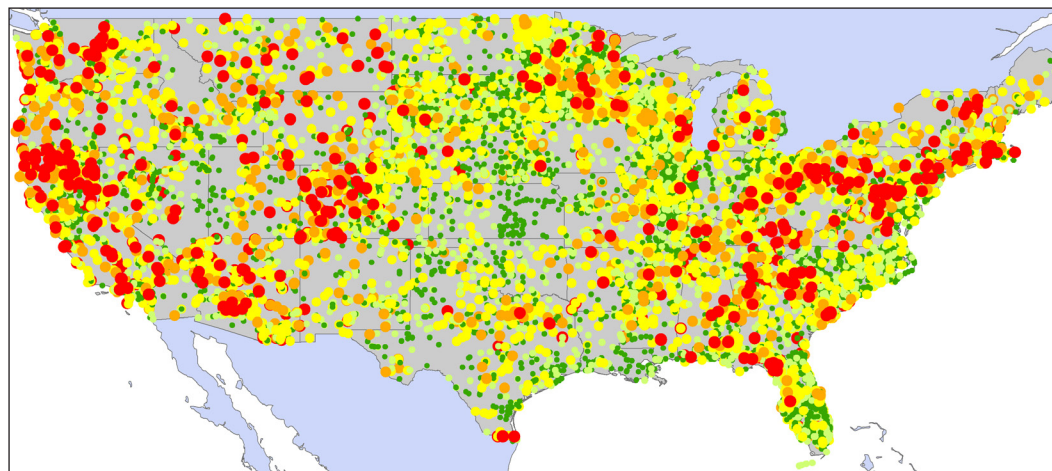
### INSTANT ACCESS VIA WEB SERVICES

Our Web services enable you to immediately access NEXMap products for your area of interest. Since the data is hosted and stored in the cloud, costs and resources associated with storing and managing large datasets locally can be reduced. Our NEXMap database is updated twice a year to integrate newly available, best-of-class elevation data – providing you with the most current data available. In addition, we offer NEXMap-based online tools that allow users to perform simple analyses from any Web browser and make better terrain-based decisions without the need for any GIS software. Our NEXMap products are available via our Web services as a one-time purchase or a variety of subscription plans, helping you to save time and money. Intermap's Web services enable you to easily subscribe and access the data you need, when you need it.

## GENERAL ACCURACY SPECIFICATIONS

DATA TYPE	NORTH AMERICA			PUERTO RICO, JAMAICA, CENTRAL / SOUTH AMERICA		
	RESOLUTION	ACCURACY	COVERAGE AREA*	RESOLUTION	ACCURACY	COVERAGE AREA*
DSM, DTM	5m	< 1m LE90% (vertical)	40%	5m	< 3m LE90% (vertical)	40%
		1–3m LE90% (vertical)	40%		3–5m LE90% (vertical)	40%
		> 3m LE90% (vertical)	20%		> 5m LE90% (vertical)	20%
ORI	.625m	3m CE90% (horizontal)	4%	—	—	—
	1.25m	4m CE90% (horizontal)	94%	1.25m	4m CE90% (horizontal)	90%
	2.50m	5m CE90% (horizontal)	2%	2.50m	5m CE90% (horizontal)	10%

\* Coverage area refers to the percent of the NEXTMap dataset estimated to meet the listed accuracy specification.

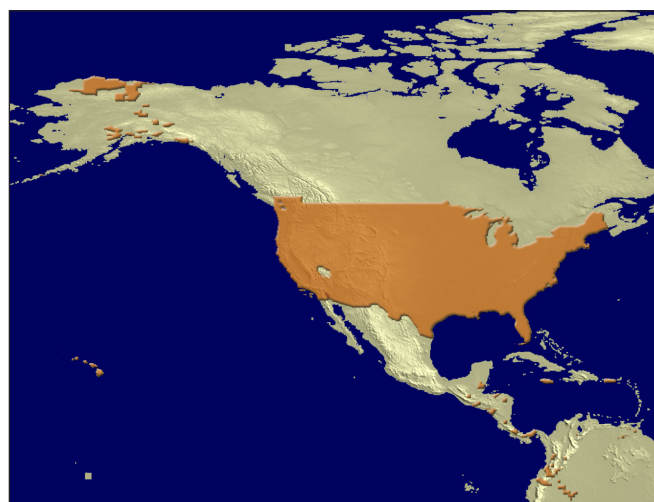


### DIFFERENCE

Vertical difference from ground control points (GCP) – National Elevation Data (NED) error minus NEXTMap error.

- >3 meters
- 2 to 3 meters
- 1 to 2 meters
- .5 to 1 meter
- <.5 meter

Red represents ground control points where the NEXTMap data is over 3 meters more accurate than the USGS NED dataset.



Orange depicts NEXTMap coverage in the Americas.

### NEXMAP DATA SPECIFICATIONS

REGION	VERTICAL DATUM (GEOID MODEL)	CORRESPONDING HORIZONTAL DATUM (GEODIC)
United States	NAVD88 (Geoid99)	NAD83
Canada	CGVD28 (GSD95)	NAD83
Elsewhere	(EGM96)	ITRF2000

### LEARN MORE

For more information about how you can benefit from Intermap's NEXTMap products for your geospatial needs, please contact your Intermap representative or an Intermap Business partner.



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