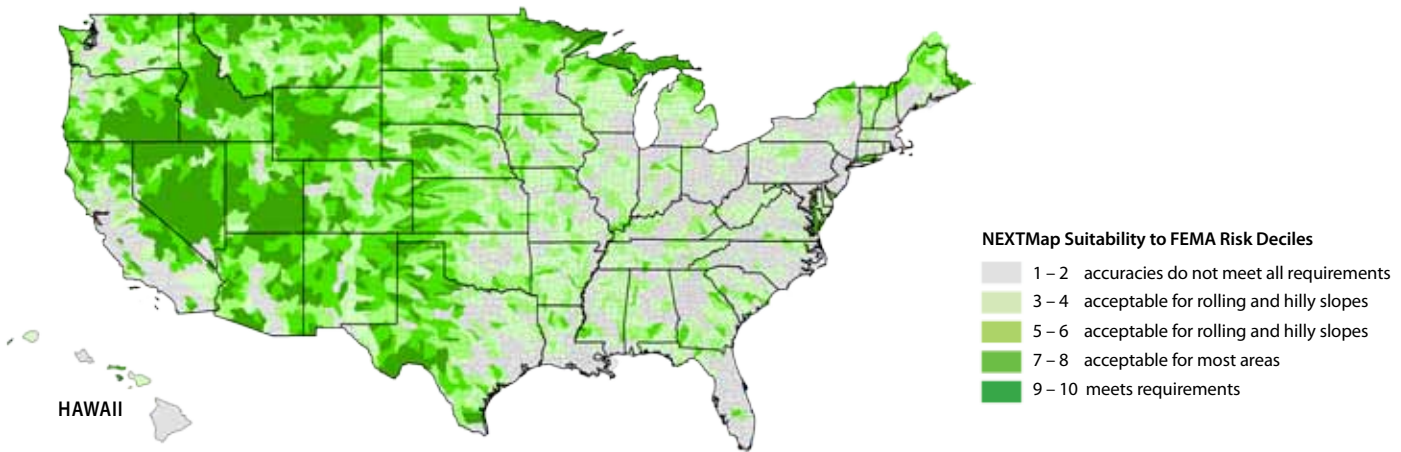


Intermap Technologies®' interferometric synthetic aperture radar (IFSAR)-generated NEXTMap® digital elevation dataset satisfies FEMA's Risk MAP requirements for the majority of the United States. In accord with FEMA's standards for LiDAR and other high-quality digital topography datasets, the IFSAR-generated NEXTMap data meets the decile requirements for accuracy and density for the low and medium decile watersheds.

Our IFSAR-generated NEXTMap digital terrain model (DTM) is hydro-enforced to ensure structures over water bodies (such as bridges) are removed, water surfaces are flat, and watercourses flow downstream. It is an ideal dataset for water resource and floodplain management applications for:

- Entire watersheds, counties, or states
- Areas surrounding critical floodplains
- Isolated areas that largely have low flood risk, but may have population clusters with significant risks
- Other areas in critical need of map updates where funding is limited

IFSAR-GENERATED DATA ACCEPTABILITY FOR FLOOD MAPPING ACCORDING TO FLOOD RISK DECILES



	FLOOD RISK LEVEL	TYPICAL SLOPES	SPECIFICATION LEVEL	VERTICAL ACCURACY 95% CONFIDENCE LEVEL (FVA / CVA)	EQUIVALENT CONTOUR ACCURACY	RMSE	NEXTMAP USA ACCURACIES MEET MINIMUM REQUIREMENT
	High (deciles 1, 2, 3)	Flattest	Highest	24.5 cm / 36.3 cm	2 ft	0.61 ft (18.5 cm)	POSSIBLE
	High (deciles 1, 2, 3)	Rolling or Hilly	High	49.0 cm / 72.6 cm	4 ft	1.22 ft (37.1 cm)	POSSIBLE
	High (deciles 2, 3, 4, 5)	Hilly	Medium	98.0 cm / 145 cm	8 ft	2.43 ft (73.9 cm)	YES (at discretion)
	Medium (deciles 3, 4, 5, 6, 7)	Flattest	High	49.0 cm / 72.6 cm	4 ft	1.22 ft (37.1 cm)	POSSIBLE
	Medium (deciles 3, 4, 5, 6, 7)	Rolling	Medium	98.0 cm / 145 cm	8 ft	2.43 ft (73.9 cm)	YES (at discretion)
	Medium (deciles 4, 5, 6, 7)	Hilly	Low	147 cm / 218 cm	12 ft	3.65 ft (1.11m)	YES
	Low (deciles 7, 8, 9, 10)	All	Low	147 cm / 218 cm	12 ft	3.65 ft (1.11m)	YES

Derived from table 2.2 and 2.3 of "Standards for Lidar and Other High Quality Digital Topography."

COMPLIANT WITH FGDC STANDARDS

The metadata within our IFSAR-generated NEXTMap dataset is fully compliant with Federal Geographic Data Committee (FGDC) standards. In addition, it can be easily incorporated into FEMA's Mapping Information Platform (MIP) via a simple documented process provided by Intermap.

COMPLEMENTARY TO LIDAR-DERIVED DATA

Intermap's IFSAR-generated NEXTMap dataset is complementary to LiDAR-derived data. For areas where LiDAR data is limited, we offer a data fusion process ideal for merging LiDAR data with our IFSAR-generated NEXTMap data, creating a seamless transition between the two datasets. Additionally, Intermap's production, quality assurance, and quality control processes are certified according to International Organization for Standardization (ISO) 9001:2008 standards.

IMMEDIATELY AVAILABLE

The IFSAR-generated NEXTMap dataset covers the contiguous United States and Hawaii and is available at a fraction of the price of many higher-accuracy datasets. The immediate availability of the dataset allows you to quickly obtain data in your area of interest and can easily help you extend your existing elevation data coverage.

LEARN MORE

To read FEMA's Procedure Memorandum No. 61 – Standards for Lidar and Other High Quality Digital Topography, visit: <http://www.fema.gov/library/viewRecord.do?id=4345&fromSearch=fromsearch>.

For more information about how you can benefit from Intermap's IFSAR-derived NEXTMap data for all of your Risk MAP updates, please contact your Intermap representative or an Intermap Business partner.



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