- Modern hydrographic data is part of a unified geospatial system rather than a collection of isolated layers.
- Integrated with satellite imagery, elevation models, transport networks, buildings and vegetation, it creates a consistent and connected view of the landscape.
- Water shapes infrastructure, connectivity, and risk levels. That is why accurate hydrographic data is more than a map — it is a powerful tool for faster, better-informed, and more resilient decision-making.

VISICOM HydroMap and VISICOM HydroDEM provide new possibilities for:

- Coastal risk management
- Infrastructure planning
- Environmental monitoring
- Emergency response
- Flood risk mapping

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VISICOM®
DIGITAL MAPS WORLDWIDE

VISICOM HydroMap

Countrywide Hydrography Vector Database

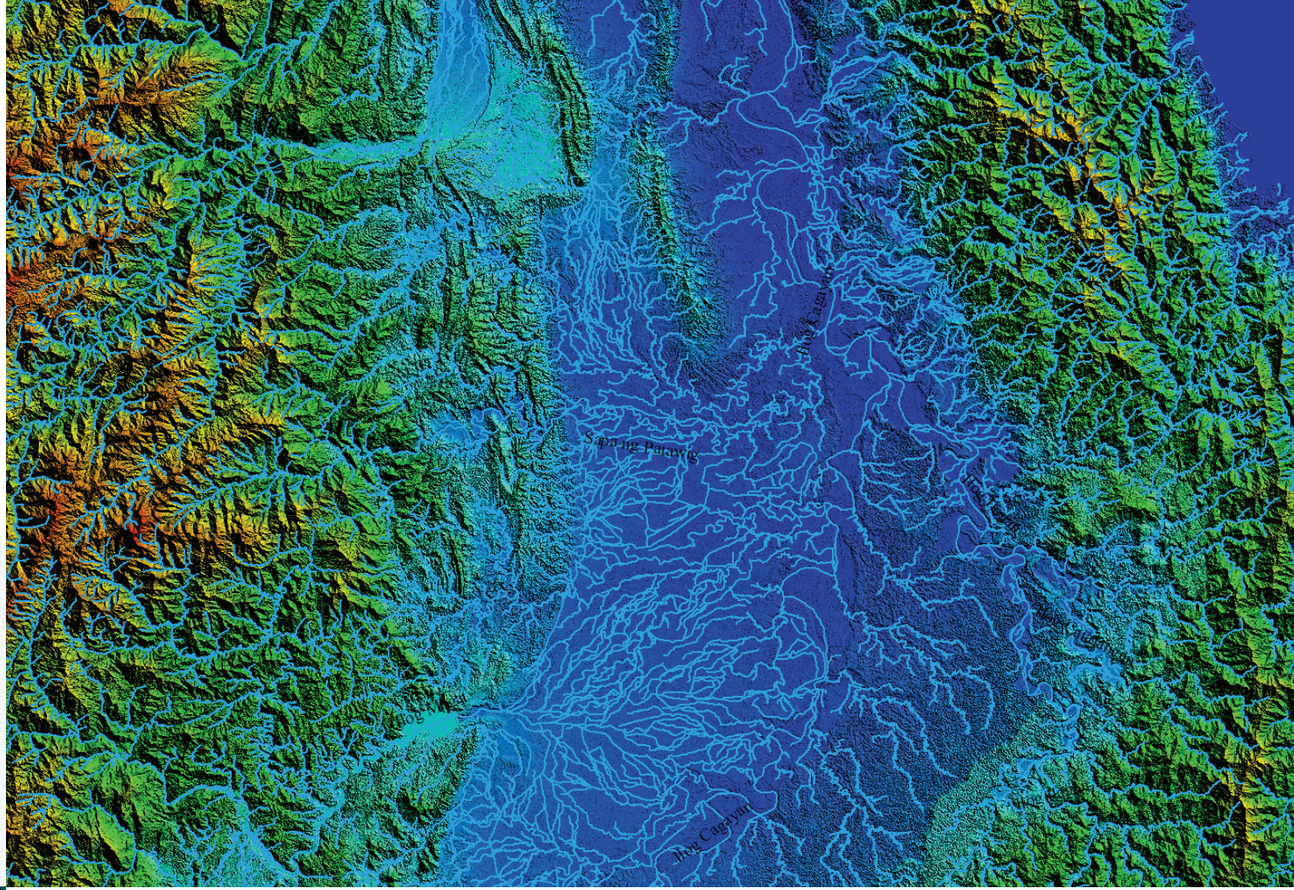
- Complete nationwide coverage
- Detailed regional and urban-level datasets
- Connected river and drainage networks
- Standardized geometry and attributes
- GIS-ready data with no additional preprocessing required

VISICOM HydroMap
Water Network Vector Dataset provides a unified data structure with standardized attributes, including:

- Names of hydrographic features in both English and local languages
- Surface area of water bodies
- Coastline and shoreline length
- Water feature type and classification into 31 distinct categories, including oceans, seas, bays, estuaries, lakes, rivers, streams, reservoirs, springs, waterfalls, rapids, and more

THE DATABASE PROVIDES FULL COUNTRY COVERAGE OF:

- Rivers and drainage networks
- Coastlines and maritime boundaries
- Lakes, reservoirs, canals, wetlands, and estuaries
- Islands and coastal features



VISICOM HydroDEM
Elevation Data for Water and Environmental Projects

For water-related applications, a standard terrain model is often not sufficient. Even small elevation errors or artificial barriers can significantly affect water flow and flood modeling.

To ensure hydrological accuracy, terrain data is additionally processed:

- River channels are corrected
- Water flow continuity is ensured
- Artificial barriers, such as roads, bridges, and embankments, are removed or adjusted

HydroDEM is Enhanced by:

- Digital Surface Models (DSM)
- Detailed Land Use Maps
- 3D Building layers
- High-resolution orthoimagery

WHEN EVERYTHING IS ALIGNED — TERRAIN, BUILDINGS AND LAND COVER — YOU GET A MUCH CLEARER AND MORE REALISTIC PICTURE OF WHAT'S ACTUALLY HAPPENING ON THE GROUND.