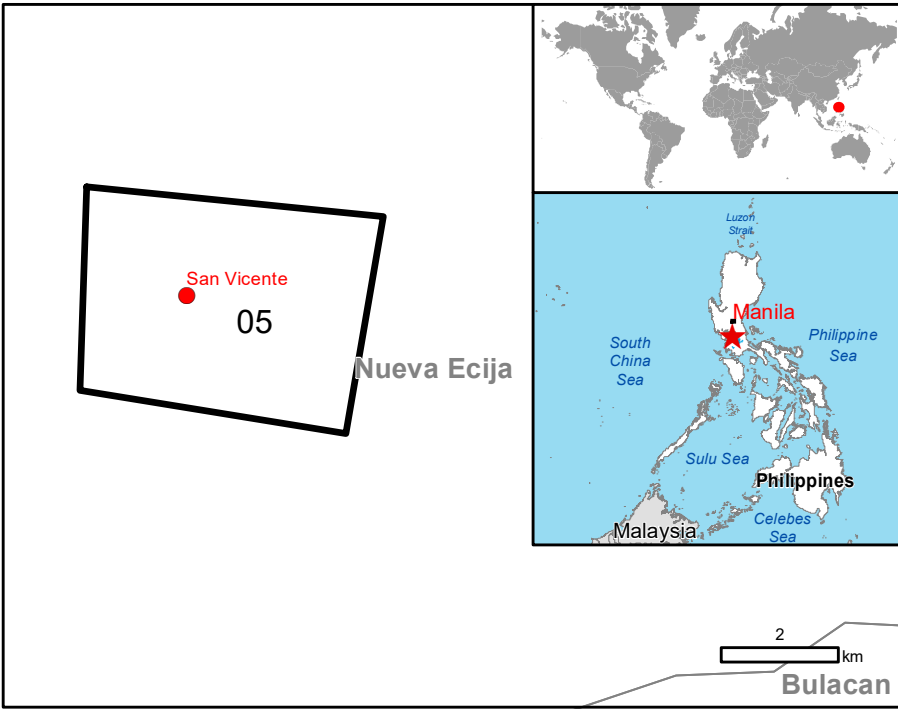


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## SAN VICENTE - PHILIPPINES

### Storm - Situation as of 01/10/2022

#### Grading - Overview map 01



#### Cartographic Information

1:8000 Full color A1, 200 dpi resolution

0 0,15 0,3 0,6 km

Grid: WGS 1984 UTM Zone 51N map coordinate system  
Tick marks: WGS 84 geographical coordinate system

#### Legend

| Crisis Information                | General Information | Hydrography                |
|-----------------------------------|---------------------|----------------------------|
| Flooded Area                      | Area of Interest    | River                      |
| Damaged Road                      | Road map            | Stream                     |
| Possibly damaged Road             | Not damaged         | Lake                       |
| Road, Destroyed                   | Province            | Land Subject to Foundation |
| Road, Possibly damaged            | Municipality        | Reservoir                  |
| Highway, No visible damage        | Place name          | Land Use - Land Cover      |
| Secondary Road, No visible damage |                     |                            |

| Compendium within the AOI                      | Unit of measurement   | Destroyed | Damaged | Possibly damaged | Total affected* | Total in AOI |
|--|-----------------------|-----------|---------|------------------|-----------------|--------------|
| Flooded area                                   | ha                    | NA        | NA      | NA               | 123             | 7,9          |
| Estimated population                           | Number of inhabitants | NA        | 4       | 0                | 30              | 30           |
| Buildings                                      |                       |           |         |                  |                 |              |
| Residential buildings                          | NA                    | 0         | 0       | 0                | 0               | 2            |
| Office buildings                               | NA                    | 0         | 0       | 0                | 0               | 1            |
| Healthcare                                     | NA                    | 0         | 0       | 0                | 0               | 1            |
| Fire station                                   | NA                    | 0         | 0       | 0                | 0               | 1            |
| Wholesale and retail trade buildings           | NA                    | 0         | 0       | 0                | 0               | 26           |
| Industrial buildings                           | NA                    | 0         | 0       | 0                | 0               | 8            |
| Research, sales and workshops                  | NA                    | 0         | 0       | 0                | 0               | 2            |
| School, university and research buildings      | NA                    | 0         | 0       | 0                | 0               | 103          |
| Hospital or institutional care buildings       | NA                    | 0         | 0       | 0                | 0               | 601          |
| Unclassified                                   | NA                    | 0         | 0       | 0                | 0               | 0            |
| Transportation                                 |                       |           |         |                  |                 |              |
| Highway  | km                    | 0,0       | 0,0     | 0,0              | 0,0             | 6,0          |
| Secondary Road                                 | km                    | 0,0       | 0,0     | 0,0              | 0,0             | 0,5          |
| Local Road                                     | km                    | 0,1       | 0,1     | 0,1              | 0,2             | 22,9         |
| Cart Track                                     | km                    | 0,0       | 0,0     | 0,0              | 0,0             | 20,6         |
| Long-distance railways                         | km                    | 0,0       | 0,0     | 0,0              | 0,0             | 0,2          |
| Facilities                                     | km                    | 0,0       | 0,0     | 0,0              | 0,0             | 0,2          |
| High damage                                    |                       |           |         |                  |                 |              |
| Moderate damage                                |                       |           |         |                  |                 |              |
| Negligible to slight damage                    |                       |           |         |                  |                 |              |
| Total affected*                                |                       |           |         |                  |                 |              |
| Total in AOI                                   |                       |           |         |                  |                 |              |
| Land use                                       |                       |           |         |                  |                 |              |
| Heterogeneous agricultural areas               | ha                    | NA        | NA      | NA               | 13,4            | 1.280,2      |
| Forest   | ha                    | NA        | NA      | NA               | 0,0             | 2,3          |
| Shrub and/or herbaceous vegetation association | ha                    | NA        | NA      | NA               | 0,0             | 2,3          |
| Other  | ha                    | NA        | NA      | NA               | 1,6             | 528,5        |

\* Presence of damage events and proximity with destroyed/damaged asset  
\* Sum of all damage classes

#### Map Information

Noru, known locally as Karding, first made landfall as a super typhoon on the 25th September, but later weakened at 20:20 local time (12:20 GMT) on Sunday. Its peak wind increased from 60 to 160 mph in 24 hours as it transformed from a tropical storm to the equivalent of a Category 5 hurricane. This leap was the fastest 24-hour intensification rates on record for any tropical cyclone. More than 74,000 people had been evacuated from the typhoon's path, and officials had earlier issued warnings of "serious flooding" in areas of the capital, Manila. The Copernicus EMS Rapid Mapping was requested to provide Damage Assessment products.

The present map shows the storm in the area of San Vicente (Philippines). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping

#### Relevant date records (UTC)

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Event      | 25/09/2022 00:00 | Situation as of | 01/10/2022 02:12 |
| Activation | 26/09/2022 10:52 | Map production  | 03/10/2022       |

#### Data sources

Pre-event image: Pléiades-1B © CNES (2021), distributed by Airbus DS (acquired on 20/02/2021 at 02:35 UTC, GSD 0.5 m, approx. 5.6% cloud coverage in AOI, 8.6° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
Post-event image: Pléiades-1A/B © CNES (2022), distributed by Airbus DS (acquired on 01/10/2022 at 02:12 UTC, GSD 0.5 m, approx. 7.9% cloud coverage in AOI, 40.3° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Copernicus Global Land Service: Land Cover (2019), Global Administrative Areas (2012), refined by the producer.

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

#### Disclaimer

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Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by ITHACA released by e-GEOS (ODO).

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