

**LEGEND**

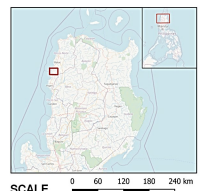
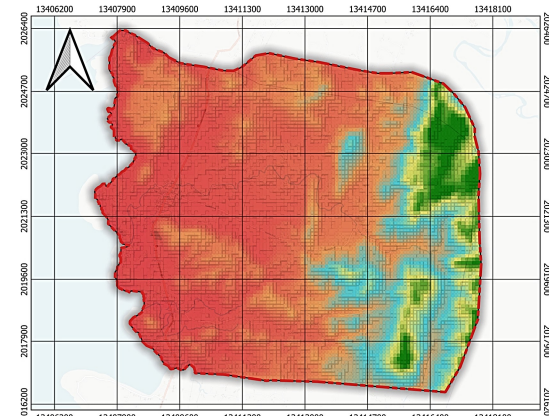
- Sinait Boundary
- High Hazard Zone
- Moderate Hazard Zone
- Safe Zone

**PERSPECTIVE**

**FLOOD PRONE AREA ASSESSMENT MAP**  
Sinait, Ilocos Sur, Philippines  
SCALE 0 1 2 3 4 5 km

**PREPARED BY**  
Hazel Grace R. Esmino  
B Landscape Architecture  
University of the Philippines  
Diliman, Quezon City, PH

**DATA SOURCES**  
Generated using SRTM Digital Elevation Map Version 4 CHIRPS Pentad and Landsat 7 Used Overlay Method in QGIS on January 2022



**LEGEND**

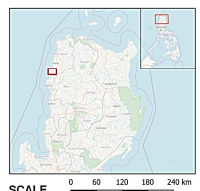
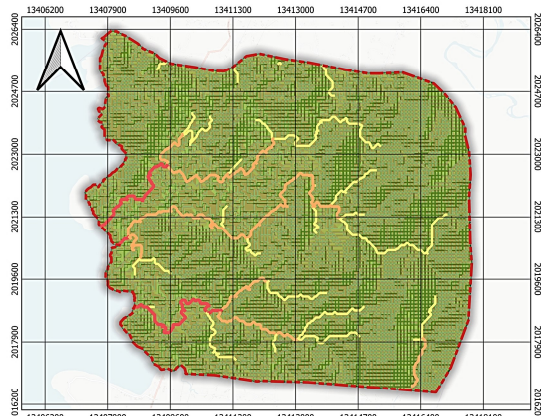
- Sinait Boundary
- 0-75m
- 76-150m
- 151-225m
- 226-300m
- 300m Above

**PERSPECTIVE**

**ELEVATION MAP**  
Sinait, Ilocos Sur, Philippines  
SCALE 0 1 2 3 4 5 km

**PREPARED BY**  
Hazel Grace R. Esmino  
B Landscape Architecture  
University of the Philippines  
Diliman, Quezon City, PH

**DATA SOURCES**  
Generated using SRTM Digital Elevation Map Version 4 and QGIS on January 2022



**LEGEND**

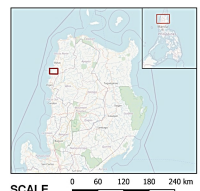
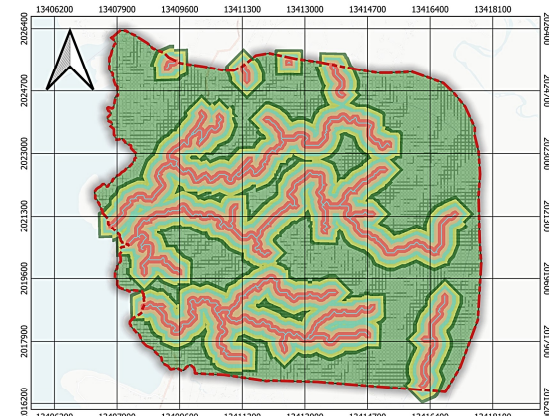
- Sinait Boundary
- 2.41-3.00
- 1.81-2.40
- 1.21-1.80
- 0.61-1.2
- 0-0.60

**PERSPECTIVE**

**FLOW ACCUMULATION MAP**  
Sinait, Ilocos Sur, Philippines  
SCALE 0 1 2 3 4 5 km

**PREPARED BY**  
Hazel Grace R. Esmino  
B Landscape Architecture  
University of the Philippines  
Diliman, Quezon City, PH

**DATA SOURCES**  
Generated using SRTM Digital Elevation Map Version 4 and QGIS on January 2022



**LEGEND**

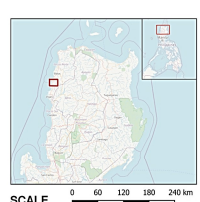
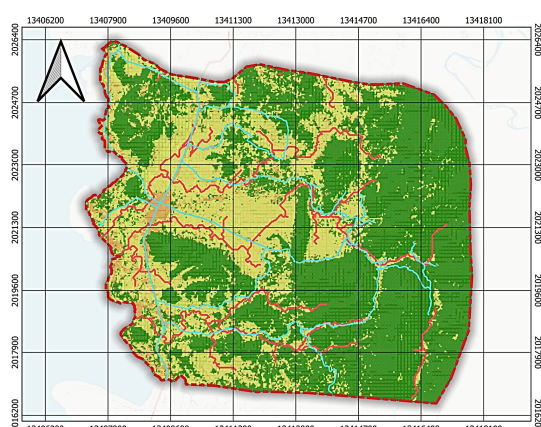
- Sinait Boundary
- 0-100m
- 100-200m
- 200-300m
- 300-400m
- 400-500m

**PERSPECTIVE**

**DISTANCE FROM RIVER MAP**  
Sinait, Ilocos Sur, Philippines  
SCALE 0 1 2 3 4 5 km

**PREPARED BY**  
Hazel Grace R. Esmino  
B Landscape Architecture  
University of the Philippines  
Diliman, Quezon City, PH

**DATA SOURCES**  
Generated using SRTM Digital Elevation Map Version 4 and QGIS on January 2022



**LEGEND**

- Sinait Boundary
- River
- Building
- Road
- Agricultural Land
- Vegetation

**LAND USE LAND COVER MAP 2020**  
Sinait, Ilocos Sur, Philippines  
SCALE 0 1 2 3 4 5 km

**PREPARED BY**  
Hazel Grace R. Esmino  
B Landscape Architecture  
University of the Philippines  
Diliman, Quezon City, PH

**DATA SOURCES**  
Generated using SRTM Digital Elevation Map Version 4 in GEE and QGIS on January 2022