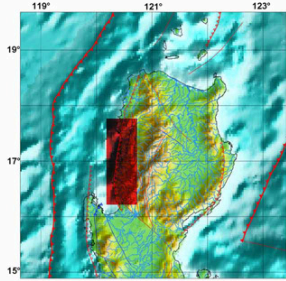


TSUNAMI HAZARD MAP

Province of Ilocos Sur



Legend:

- Tsunami Inundation Area
- 3 m Tsunami Wave Height at Coastline

Earthquake Parameters Used in Modeling:

Source - Manila Trench
Magnitude - 8.2

Data Source:

Modeling results using REDAS Software based on empirical equations of Abe (1989), Hall and Watt (1953), Prist (1995), and Hills and Mader (1999)

1:50,000 topographic map
(Bangar Sheet - 7076 I,
Narvacan Sheet - 7077 I,
Candon Sheet - 7077 II,
Cabugao Sheet - 7078 I,
Vigan Sheet - 7078 II,
Cervantes Sheet - 7176 IV,
Salcedo Sheet - 7177 III,
Manabo Sheet - 7177 IV,
Bangued Sheet - 7178 III,
Espiritu Sheet - 7178 IV;
1993-reprint, NAMRIA)



Map Prepared By:

Philippine Institute of Volcanology and Seismology (PHIVOLCS) - Department of Science and Technology (DOST) Under the DOST-GIA Program December 2007



Explanation:

This indicative map is based on maximum computed wave height and inundation using worst case scenario earthquakes from major offshore source zones. The indicated wave height decreases away from the shoreline.