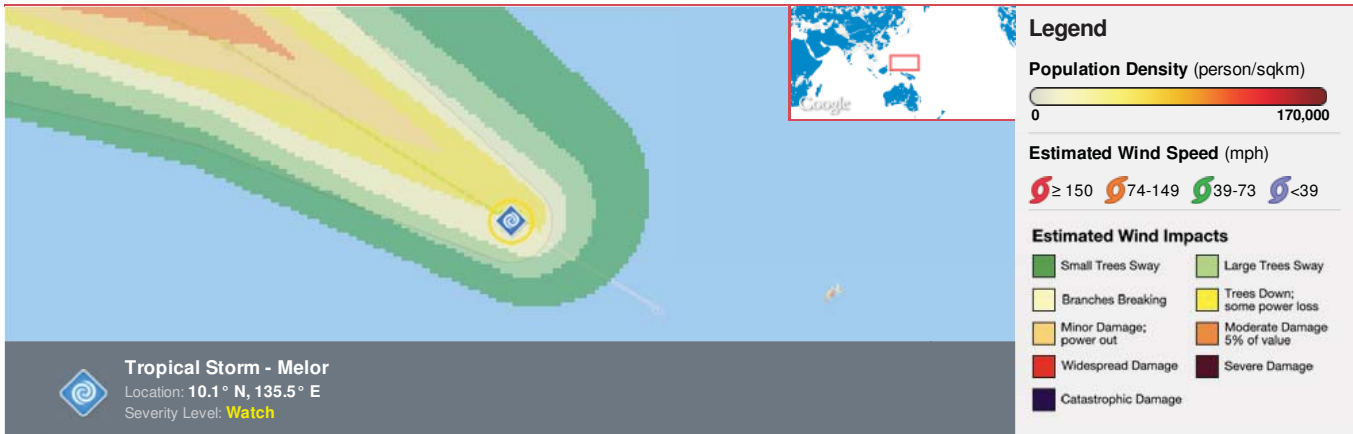


Region Selected » Lower Left Latitude/Longitude: 8.6 N°, 134 E°
 Upper Right Latitude/Longitude: 11.6 N°, 137 E°



Situational Awareness

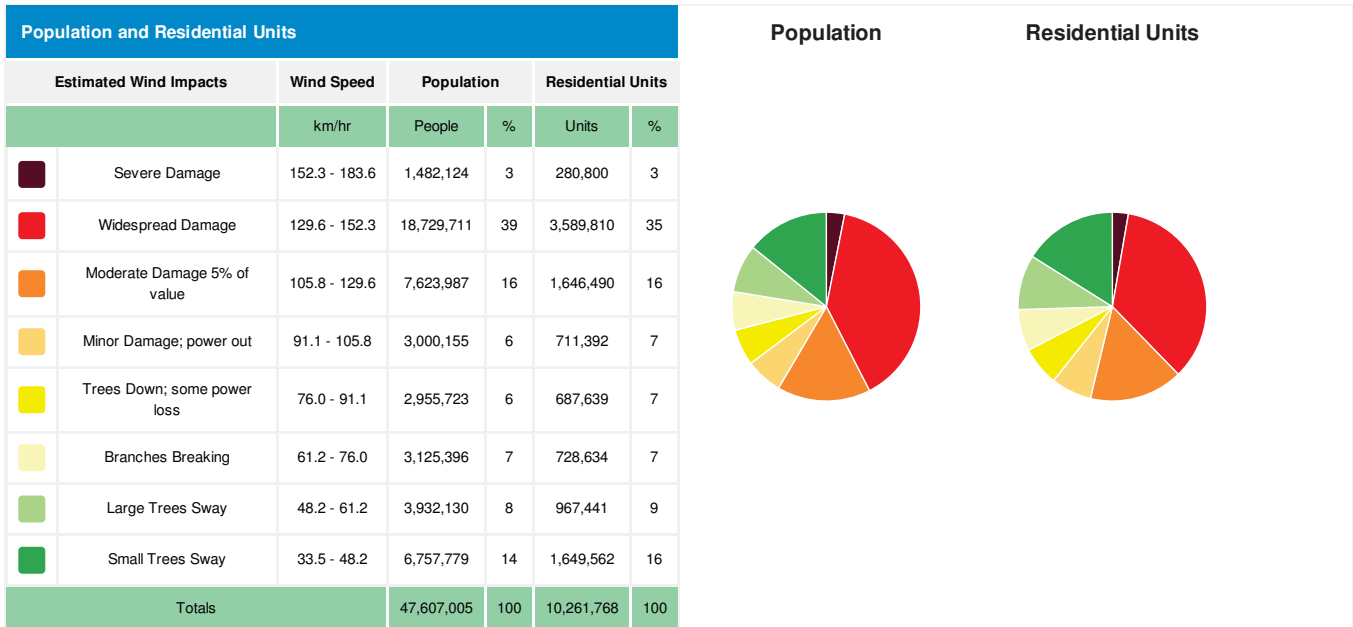
Current Hazards:









Active Tropical Cyclones										
Event	Severity	Name	Wind Speed (mph)	Wind Gusts (mph)	Heading	Track Speed (mph)	Advisory Num	Status	Pressure (mb)	Lat/Long
		Tropical Storm - Melor	52	63	WNW	16	2	Tropical Storm	No Data	10.1° N / 135.5° E

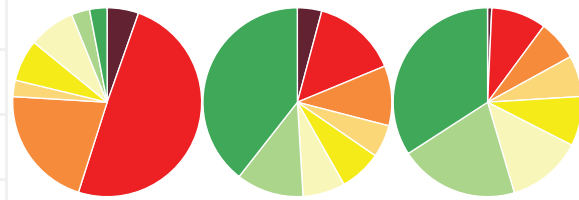
Impacts:

Tropical Cyclone Impacts for Tropical Storm - Melor, Advisory #2

Exposure Philippines



Land Cover and Land Use								Urban	Non Urban	Cropland
Estimated Wind Impacts		Wind Speed	Urban		Non Urban		Cropland			
		km/hr	Km ²	%	Km ²	%	Km ²	%		
	Severe Damage	152.3 - 183.6	52	5	2,756	4	230	1		
	Widespread Damage	129.6 - 152.3	478	50	9,671	15	3,049	9		
	Moderate Damage 5% of value	105.8 - 129.6	203	21	6,795	10	2,225	7		
	Minor Damage; power out	91.1 - 105.8	27	3	3,671	6	2,270	7		
	Trees Down; some power loss	76.0 - 91.1	69	7	4,772	7	2,745	8		
	Branches Breaking	61.2 - 76.0	77	8	4,808	7	4,184	13		
	Large Trees Sway	48.2 - 61.2	30	3	7,646	12	6,611	20		
	Small Trees Sway	33.5 - 48.2	29	3	26,092	39	11,044	34		
Totals			965	100	66,211	100	32,358	100		



Basic Water Needs				
Category	Standard		Quantity Needed	
	liters per person/day	gallons per person/day	liters per day	gallons per day
Survival needs: water intake (drinking and food)	2.5 - 3	0.7 - 0.8	16,169,469 - 19,403,362	4,527,451 - 5,174,230
Basic hygiene practices	2 - 6	0.5 - 1.6	12,935,575 - 38,806,724	3,233,894 - 10,348,460
Basic cooking needs	3 - 6	0.8 - 1.6	19,403,362 - 38,806,724	5,174,230 - 10,348,460
Total basic water needs	7.5 - 15	2 - 4	48,508,405 - 97,016,809	12,935,575 - 25,871,150

Nutrition Requirements		
Category	Standard	Quantity Needed
Nutritional Requirements	2,100 kcals per person/day	13,582,354,046 kcals per day

Shelter Requirements				
Category	Standard		Quantity Needed	
	m ² per person	ft ² per person	m ²	ft ²
Shelter Space	3.50	37.70	22,637,255	243,835,591

Human Waste and Refuse Disposal		
Category	Standard	Quantity Needed
Toilets	0.05	323,389.00
Refuse Containers (100 liter containers per household)	0.10	123,860.00

Disclosures

* As defined by the source ([Dartmouth Flood Observatory](#), University of Colorado), Flood Magnitude = LOG(Duration x Severity x Affected Area). Severity classes are based on estimated recurrence intervals and other criteria.

Exposure calculations above are based on the following data:

- [Estimated Tropical Cyclone Wind Impacts](#): Generated by the Kinetic Analysis Corporation's TAOS(TM) model and provided as a subscription service to the Pacific Disaster Center.
- [Population](#): Based on population density data from Landsat.
- [Residential Units](#): Estimated by dividing the Landsat population by the Average Household Size reported for each administrative boundary. Due to data constraints, exposure estimates will not include information on residential units for some areas.
- [Land Cover and Land Use](#): Land Cover and Land Usage are categories derived from MODIS satellite imagery.

The above Needs Assessments are experimental PDC products which are provided for operational testing and will undergo further enhancement. The assessments are based on the TAOS model outputs, Sphere Guidelines, and a percentage of the population potentially impacted.

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