



# Typhoon Yutu - Advisory #10 (L-18)

For Planning Purposes Only!

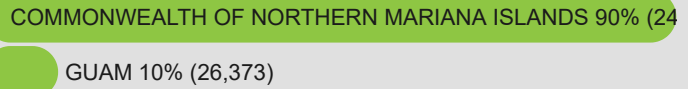
[http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&\\_25=60](http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=60)

Updated as of 23 Oct 2018 (7:17 PM Eastern Daylight Time)



**Debris**

274,741  
cu. yd.



**Temporary Roofing**

1,300  
units



**Population**

227,896  
people



**Households**

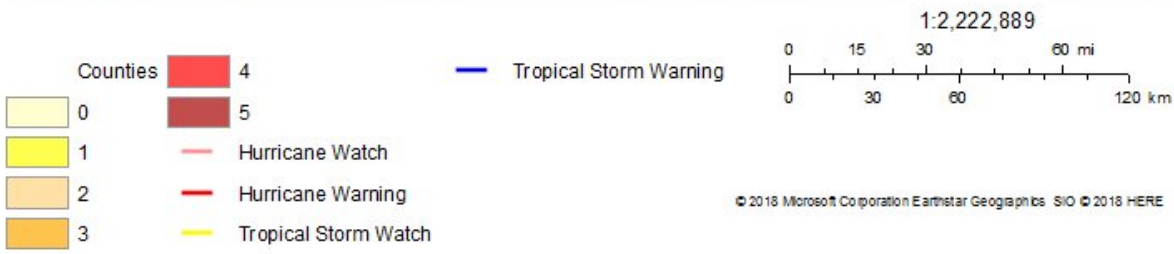
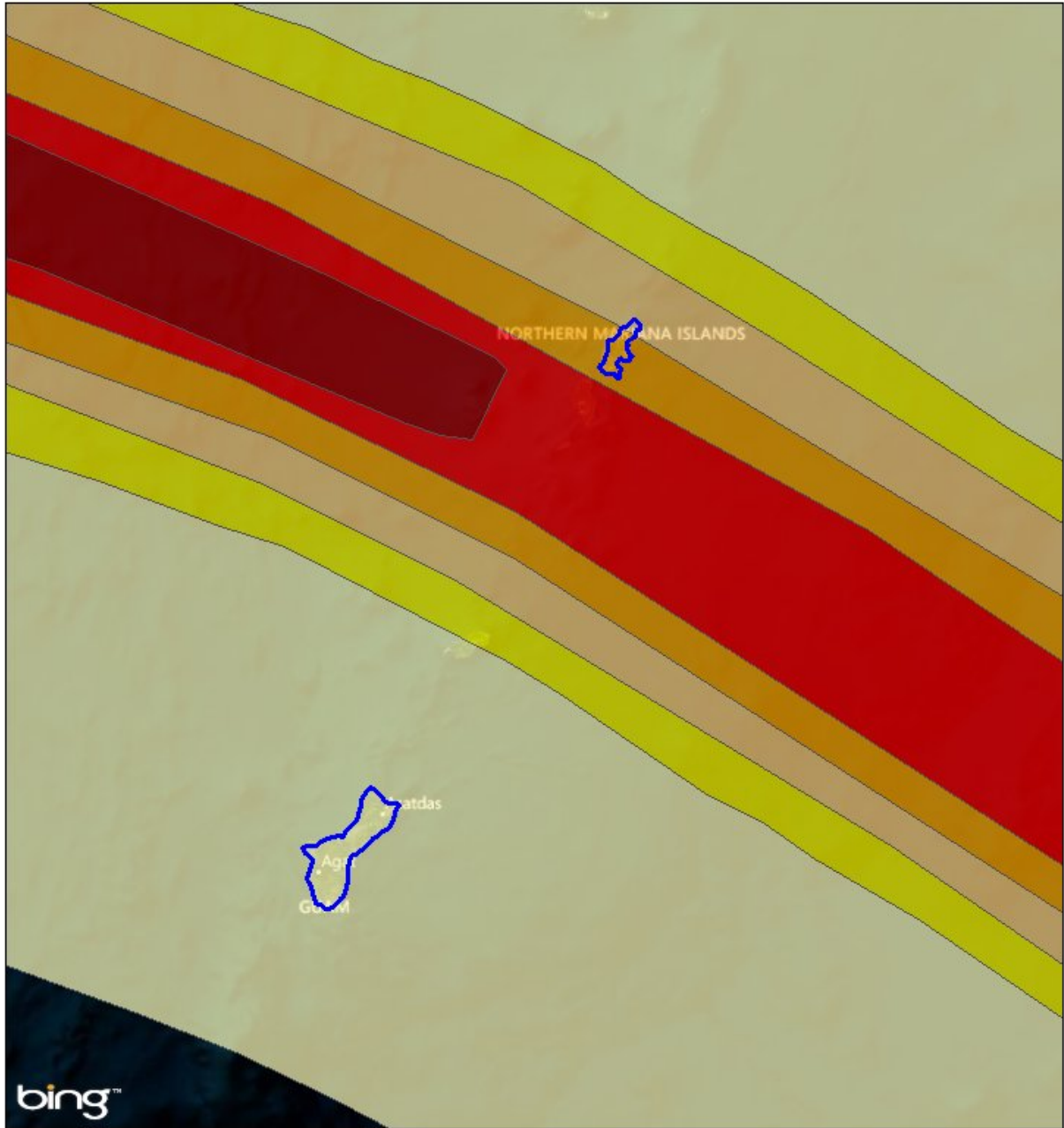
61,255  
households



**Critical Infrastructure**

COMMONWEALTH OF NORTHERN MARIANA ISLANDS

- (6) 35 - 75 kW
- (1) 40 - 100 kW
- (1) 100 - 200 kW
- (8) 200 - 300 kW



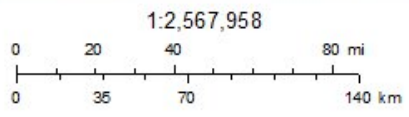
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Mission Summaries

**Debris**

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards



## Mission Summary



The mission models account for storm surge and wind damage only, but do not account for other related storm hazards that may affect the mission estimates.

Mission Summary	
Total Counties	2
Debris (cu. yd.)	274,741
Temporary Roofing (units)	1,300
Population	227,896
Households	61,255

Population Distribution	
Tropical Storm	162,896
Category 3	65,000

COMMONWEALTH OF NORTHERN MARIANA ISLANDS	Yards of Debris (248,367)	Roof Units (1,300)	Population (65,000)	Households (18,055)
SIAPAN	248,367	1,300	65,000	18,055

GUAM	Yards of Debris (26,373)	Roof Units (0)	Population (162,896)	Households (43,200)
GUAM	26,373	0	162,896	43,200

## Critical Infrastructure

Summary	
Total Structures	80
Power Requirements	3,627.5

Range (kW)	# Cat 1	# Cat 2	# Cat 3	# Cat 4
15 - 35	0.0	0.0	1.4	0.2
15 - 40	0.0	0.0	0.2	0.0
35 - 75	0.6	0.0	6.0	0.0
40 - 100	0.1	0.0	0.6	0.5
100 - 200	0.0	0.0	1.1	0.0
200 - 300	0.0	0.0	7.2	0.9
400 - 600	0.0	0.0	0.2	0.0
800 - 2000	0.0	0.0	0.3	0.3

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (0)	0.0	35 - 75	0.0
Cellular Towers (11)	6.6	35 - 75	363.0
FM Antennas (0)	0.0	35 - 75	0.0

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (0)	0.0	200 - 300	0.0
Public Schools (27)	8.1	200 - 300	2,025.0
Colleges and Universities (1)	0.0	200 - 300	5.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (8)	0.8	15 - 35	20.0
Fire Stations (8)	0.8	15 - 35	20.0
Service Providers (0)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (0)	0.0	35 - 100	0.0
Hospitals (2)	0.6	800 - 2000	840.0
Urgent Care Facilities (0)	0.0	200 - 300	0.0

Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (0)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (0)	0.0	15 - 35	0.0
National Security Government Military Facilities (0)	0.0	15 - 35	0.0

<b>Law Enforcement</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Prison Points (1)	0.2	400 - 600	100.0
Local Police (0)	0.0	15 - 35	0.0
State Police (0)	0.0	15 - 35	0.0
Correctional Facilities (0)	0.0	400 - 600	0.0

<b>State and Local EOC</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Local Emergency Operations Centers (1)	0.2	15 - 40	5.5
State Emergency Operation Centers (EOCs) (0)	0.0	15 - 35	0.0

<b>State Facilities</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Governors Mansion (0)	0.0	100 - 200	0.0
Major State Government Building (11)	1.1	100 - 200	165.0

<b>Transportation</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Ports (0)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (0)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (0)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (10)	1.2	40 - 100	84.0

<b>Water_Waster Water</b>	<b># FED Gen Req</b>	<b>Range (kW)</b>	<b>Req kW</b>
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (0)	0.0	800 - 2000	0.0

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