



US Army Corps of Engineers
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Typhoon Mangkhut - Advisory #10

For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=29

Updated as of 9 Sep 2018 (9:28 AM Eastern Daylight Time)



Critical Infrastructure



Debris

122,959
cu. yd.

COMMONWEALTH OF NORTHERN MARIANA ISLANDS 57% (69,800)

GUAM 43% (53,026)



Temporary Roofing

2,929
units

GUAM 59% (1,728)

COMMONWEALTH OF NORTHERN MARIANA ISLANDS 41% (1,201)



Population

227,896
people

GUAM 71% (162,896)

COMMONWEALTH OF NORTHERN MARIANA ISLANDS 29% (65,000)

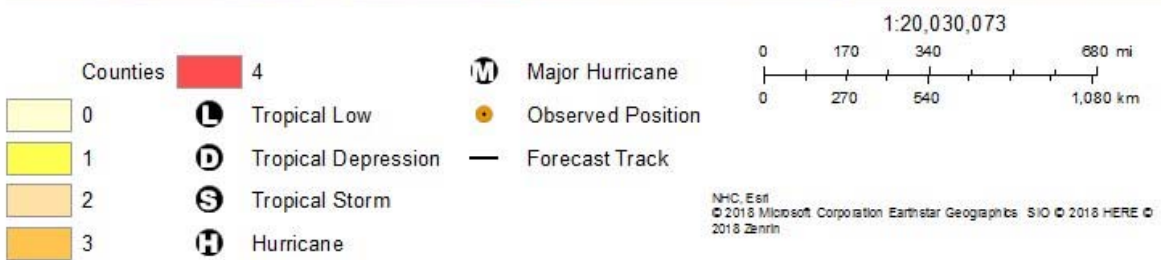
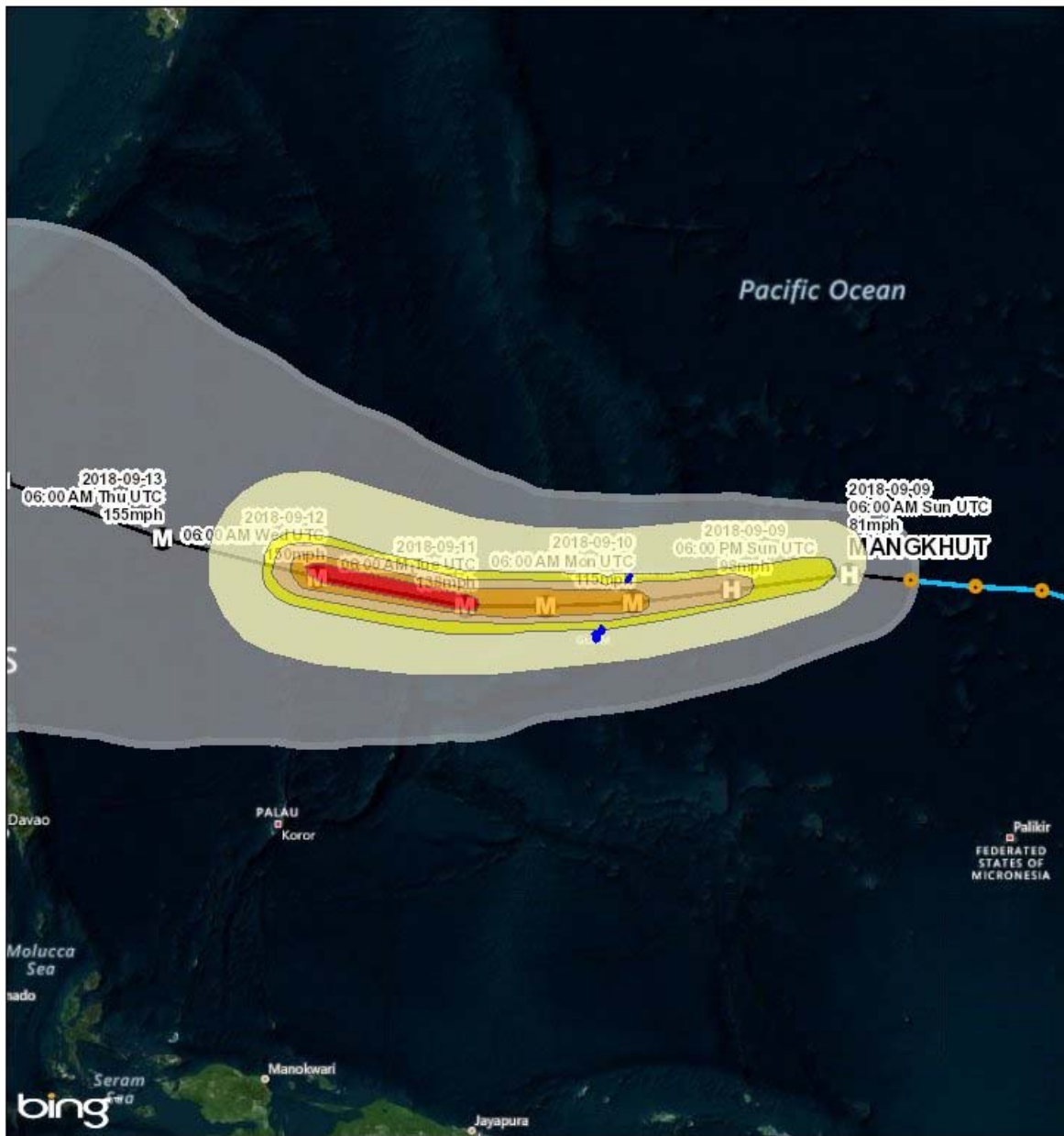


Households

61,255
households

GUAM 71% (43,200)

COMMONWEALTH OF NORTHERN MARIANA ISLANDS 29% (18,055)



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.

Total Counties	2
Debris (cu. yd.)	122,959
Temporary Roofing (units)	2,929
Population	227,896
Households	61,255

COMMONWEALTH OF NORTHERN MARIANA ISLANDS	Yards of Debris (69,933)	Roof Units (1,201)	Population (65,000)	Households (18,055)
SIAPAN	69,933	1,201	65,000	18,055

GUAM	Yards of Debris (53,026)	Roof Units (1,728)	Population (162,896)	Households (43,200)
GUAM	53,026	1,728	162,896	43,200

Report Generated by SimSuite
http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=29

Critical Infrastructure

Total: **88 Structures**

Power Requirements: **4,416.0 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (0)	0.0	35 - 75	0.0
Cellular Towers (13)	7.8	35 - 75	429.0
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 (31)	9.3	200 - 300	2,325.0
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 (9)	0.9	15 - 35	22.5
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 (3)	0.9	800 - 2000	1,260.0
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

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
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

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

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

Transportation	# FED Gen Req	Range (kW)	Req kW
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

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