



Typhoon Yutu - Adv. #9

For Planning Purposes Only!

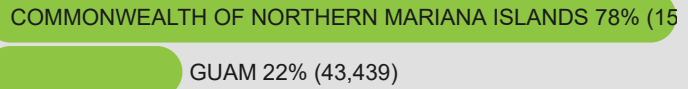
http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=59

Updated as of 23 Oct 2018 (11:47 AM Eastern Daylight Time)



Debris

195,353
cu. yd.



Temporary Roofing

924
units



Population

227,896
people



Households

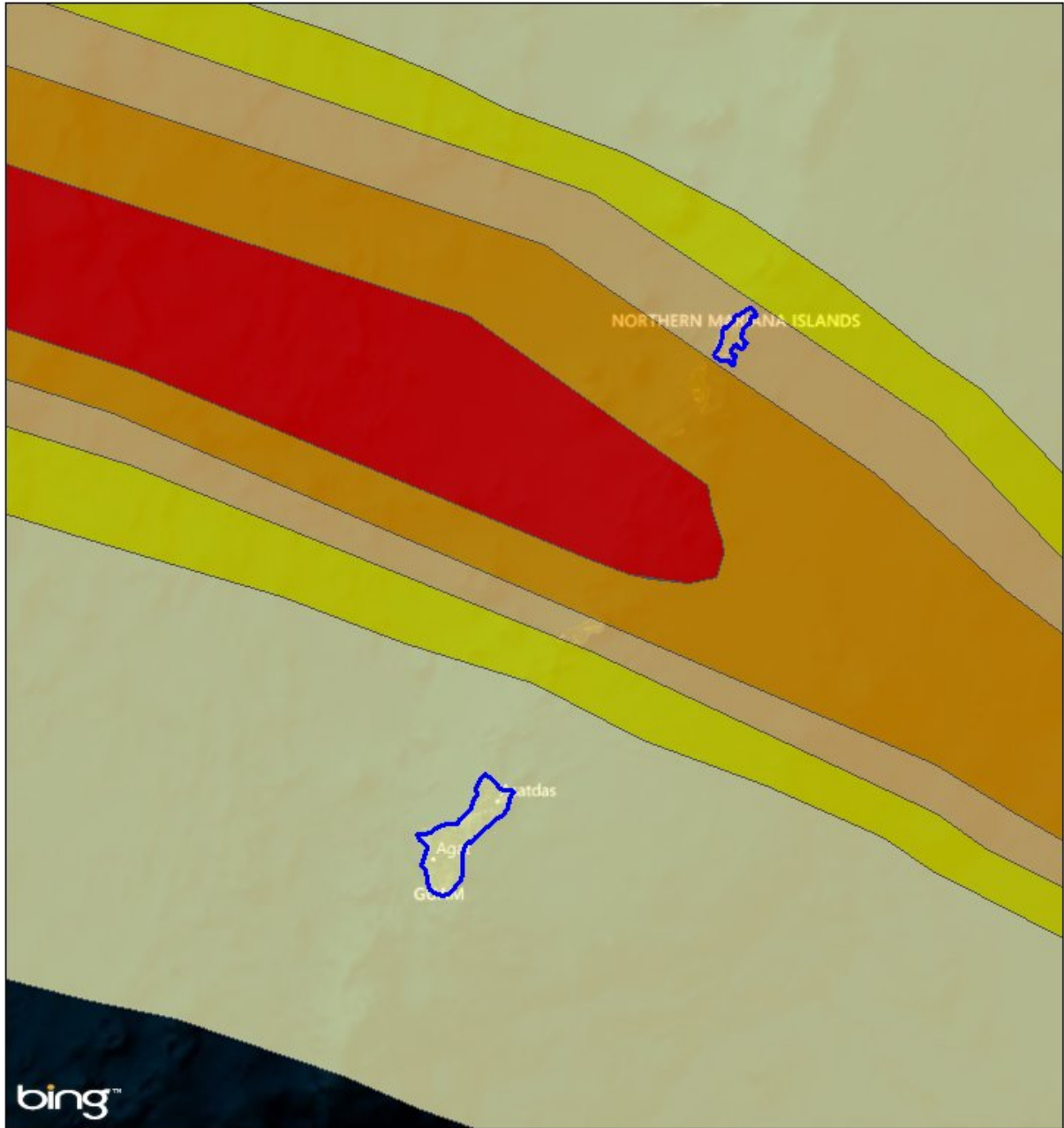
61,255
households



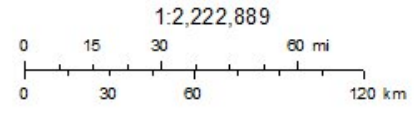
Critical Infrastructure

COMMONWEALTH OF NORTHERN MARIANA ISLANDS

- (7) 35 - 75 kW
- (1) 40 - 100 kW
- (1) 100 - 200 kW
- (9) 200 - 300 kW



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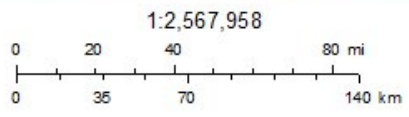
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Mission Summaries

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.)	195,353
Temporary Roofing (units)	924
Population	227,896
Households	61,255

Population Distribution	
Tropical Storm	162,896
Category 2	65,000

COMMONWEALTH OF NORTHERN MARIANA ISLANDS	Yards of Debris (151,915)	Roof Units (924)	Population (65,000)	Households (18,055)
SIAPAN	151,915	924	65,000	18,055

GUAM	Yards of Debris (43,439)	Roof Units (0)	Population (162,896)	Households (43,200)
GUAM	43,439	0	162,896	43,200

Critical Infrastructure

Summary	
Total Structures	87
Power Requirements	4,383.0

Range (kW)	# Cat 1	# Cat 2	# Cat 3
15 - 35	0.1	1.4	0.2
15 - 40	0.0	0.2	0.0
35 - 75	0.6	6.6	0.0
40 - 100	0.0	0.7	0.5
100 - 200	0.0	1.1	0.0
200 - 300	0.9	7.5	0.9
400 - 600	0.0	0.2	0.0
800 - 2000	0.3	0.3	0.3

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (0)	0.0	35 - 75	0.0
Cellular Towers (12)	7.2	35 - 75	396.0
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

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