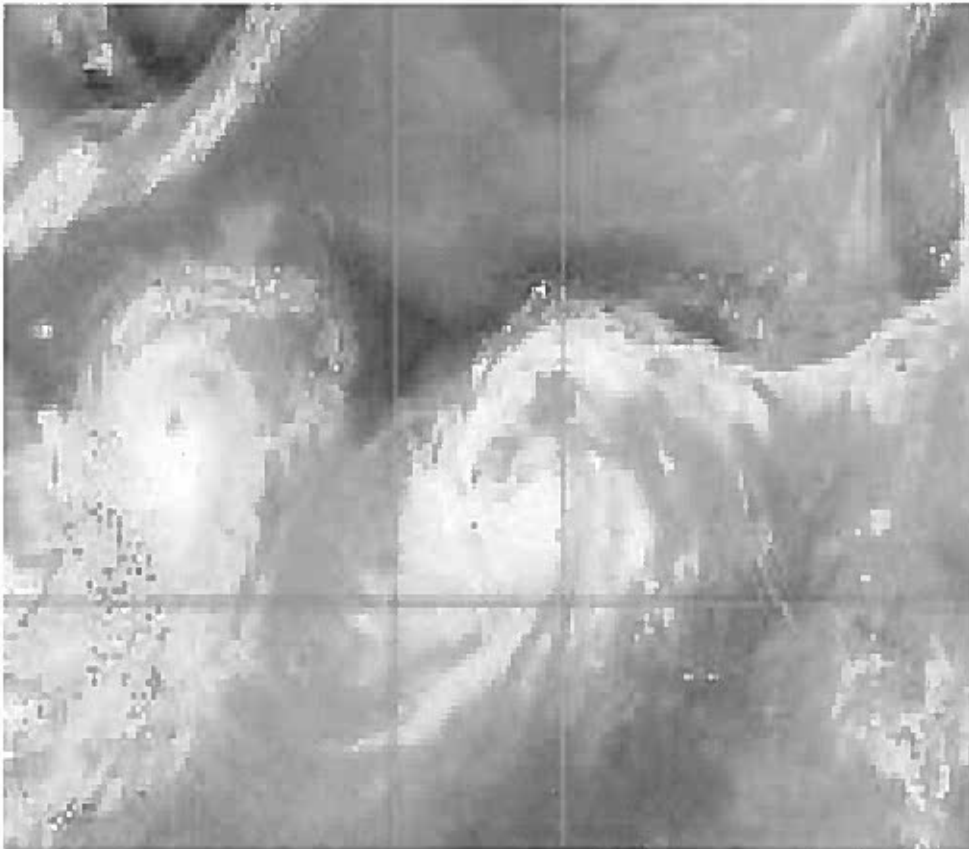


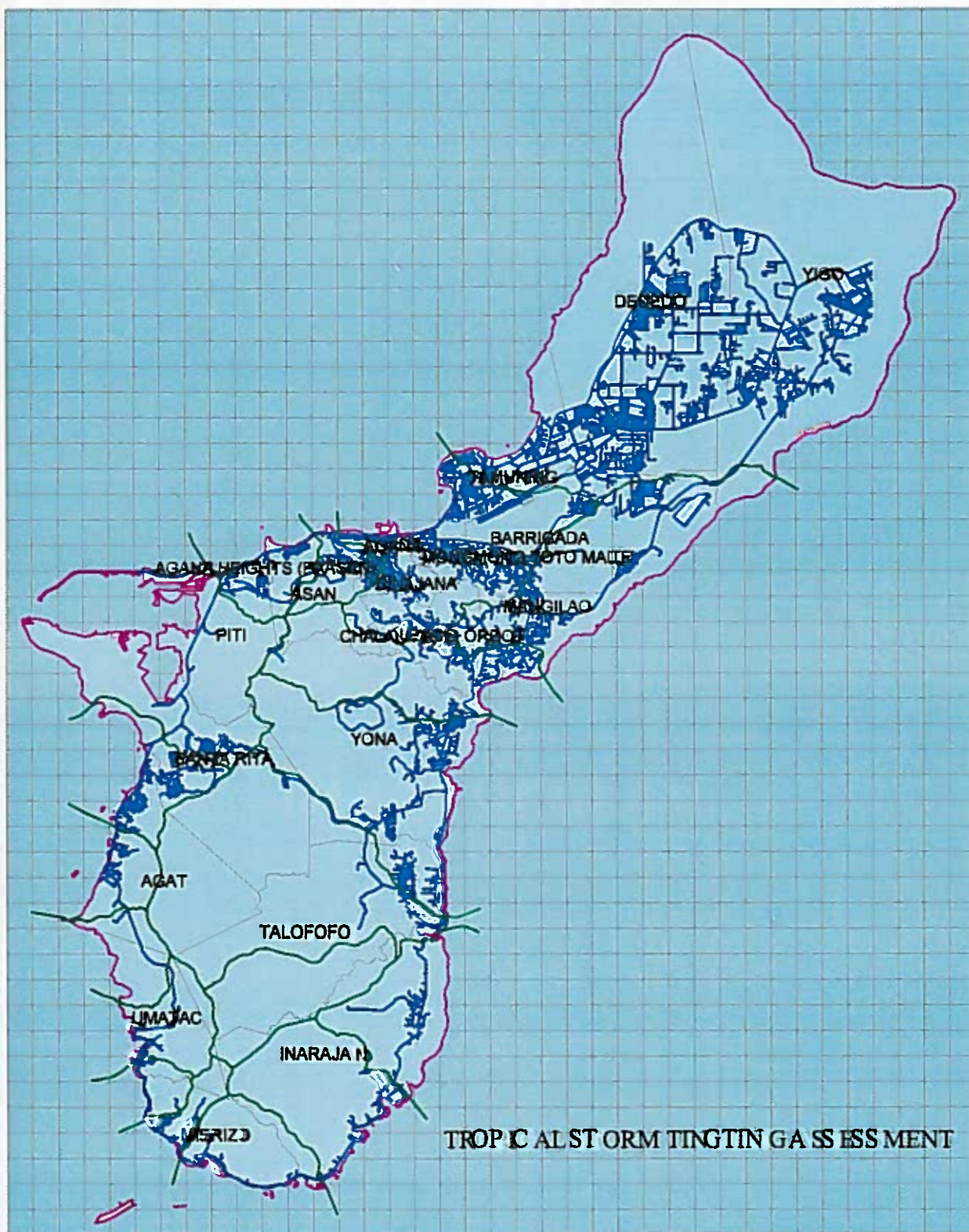
TROPICAL STORM TINGTING
A PRELIMINARY SURVEY
OF
TYPHOON RELATED IMPACTS ON GUAM'S
COASTLINES, RIVERS, AND STREAMS



Coordinated by
THE GUAM BUREAU OF STATISTICS AND PLANS',
GUAM COASTAL MANAGEMENT PROGRAM

JULY, 2004

ISLAND OF GUAM





COASTAL ENVIRONMENTAL DAMAGE SURVEY

IMPACTS OF TROPICAL STORM TINGTING ON GUAM'S NATURAL ENVIRONMENT

Background:

The Guam Coastal Management Program has begun a multi-year strategy in 2002 under its Section 309 Program to develop an Environmental Emergency Response Plan to be annexed to the Guam Response Plan. Emergency response to the frequent declared disasters on Guam have targeted human health and safety and protection and restoration of services, structures, and properties. But actions to lessen environmental damage, especially to Guam's coral reefs, also need to be planned for. Preliminary work under this strategy indicates need to establish a procedure for assessment of environmental damage after each disaster. The ideal time frame to do the assessment should be immediately after a typhoon, earthquake, flood or other disaster. This would be the best time because typhoon or storm debris, for example, would not have been cleared or removed from where it originally impacted on the environment, and actions could be taken to protect resources from increased and secondary impacts.

Objectives:

The assessment will help in determining where to concentrate response efforts. For instance, heavy debris in and around certain bridges would indicate erosion up river. Knowing the type of debris indicates approximately where to look for the environmental damage or how to prevent future damage by doing preventive measures in the area. Results will serve as a preliminary baseline for assessing environmental impacts resulting from future typhoons and storms.

Method:

Ground Assessment: Staff from the Bureau of Statistics and Plans conducted the ground assessment. The Guam Coastal Management Program took the lead in this effort. They used the data collected after Typhoon Chata'an and Pongsongna as their basis, observed the similarities and differences of the sites inspected, and tried to detect new areas of particular concern. The staff also solicited the various Mayors' input when possible and spoke to other government officials present at the individual villages, as well as the public at large. A data form and satellite photographs in color were prepared in advance to make the assessment efficient and standardized. Pictures taken by the assessment team were used in addition to the data forms. The pictures were done for a desktop determination of the extent of field conditions at a later point in time. Almost all of the entire island was surveyed. (Please see the maps, appended)

Water/Ocean Assessment: Dive groups were also asked to observe debris at popular dive sites, as ocean conditions allowed safe access. Whatever observations they may provide would be reported to the Guam Diving Industry Association then in turn reported back to the Bureau of Statistics and Plans, Guam Coastal Management Program.

Results:

Ground Assessment: The ground assessment team went throughout the island, covering the area on July 01 and 02, 2004. They recorded information on the data form such as:

Location by Municipality and by satellite photo sheet

Type of site - this would be either beach/shore, river, inland, reef, or infrastructure such as bridge, drain, road, or seawall.

Whether the site showed evidence of erosion - some of the sites may indicate that erosion is occurring, but it may not be completely due to this tropical storm.

Type of sediments - this would be either or a combination of rocks, sand, clay soil, dirt, or gravel.

Whether the site showed evidence of debris

Type of debris - this would be either or a combination of metallic, household trash, natural wood, lumber, bamboo, coconut leaves, coconuts, dead animals, other vegetation, tires, rubber materials, and other.

Descriptions and identification of photos for the site

Tropical Storm TingTing Overview:

Tropical Storm Tingting passed by Guam on Sunday, June 27, 2004 and brought with it considerable rainfall. The closest point of approach was reported on Sunday morning at approximately 4:00 am approximately 40 miles North of Guam.

It should be noted that shortly after Tropical Storm TingTing passed by Guam, the storm was upgraded to a Typhoon.

Although the wind gusts were measured at only between 30 to 62 miles per hour the island still sustained damages due to rainfall reported at between 16 to as much as 21 inches within a 24 hour period.

Normal precautions were taken such as media warnings, emergency shelters were opened for those needing temporary shelter, and typhoon preparations were taken in spite of the Tropical Storm category this storm had been rated at.

Maximum Sustained Winds:

According to the National Weather Service, to the extreme Northernmost portion of the Island, Anderson Air Force Base reported winds reaching 59 miles per hour while the Merizo report indicate winds reaching 58 miles per hour. In the Central portion of the island, Mangilao was reported to have peaking winds of 43 miles per hour.

Storm Wind Direction:

According to the National Weather Service, winds from Tropical Storm Tingting were reported as approaching Guam from a North-Westerly direction. It was also reported that all flights arriving or departing from Guam were postponed by Sunday afternoon.

Maximum Rainfall:

According to the National Weather Service Post Typhoon Report, the Weather Station reported that 16 inches of rainfall occurred during a 24 hour period. Inarajan recorded a total of 21.85 inches making this the highest rainfall recorded. Mangilao reported 14.34 inches of rainfall within a 24 hour period.

Storm Tides:

According to the National Weather Service Post Typhoon Report, Immediately prior to and throughout the passing of Tropical Storm TingTing, coastal wave surges ranging between 5 feet to as high as 9 feet were recorded. Dangerous sea and surf conditions contributed to warnings of unsafe coastline waters.

The major wave surges were reported on the Northern shores and on down to the Southern Tip of

the Island. The Eastern side of the island experienced little or no wave effects from this storm. Unfortunately, 6 individuals were reported missing on two occasions as a result haphazard weather conditions. 1 individual was swept over the Tumon Bay reef while 5 other individuals were caught in wave surges along the Piti reef.

The team reported on 95 sites. Locations of each of the sites are shown in the appended six maps. The sites were broken down into five categories, of which, 45 sites were beach or shore, 19 sites were river areas, 17 sites were inland, 0 site was reef, and 14 sites were under the infrastructure category, which includes bridge, drain, road, or seawall. In the beach/shore category, 17 sites had evidence of existing erosion caused from the prior events. In the river category, 07 of the sites had evidence of erosion. In the inland category, 06 of the sites had evidence of erosion. In the reef category, the reef site had 0 evidence reported. And finally, in the infrastructure category, 09 of the sites had evidence of erosion. In total, 37 of the 95 sites had evidence of erosion. (Please see Tables I and II)

For a complete breakdown of categories by Municipalities, Erosion areas, and Levels of Debris refer to Tropical Storm TingTing Coastal/Environmental Assessment Survey Data.

Data collected on frequency and level of debris, by municipality, are summarized in the data collection survey. These results indicate that Tropical Storm Tingting affected debris accumulation along the western side of the island. Although the eye of the storm passed over the Northern Marianas Islands north of Saipan, moving in a northwesterly direction, the amounts of coastal debris deposited appeared to be highest in the South west and low everywhere else. Localized exceptions to this general pattern occurred , but the section of Guam's coasts with the greatest storm debris problems recorded was in Agat, Piti and Hagatna municipalities. Rivers this time around did not accumulate much debris, including in their lower reaches and river mouths. In most areas, it was as if there was no storm event at all. At bridges, blockage of debris flow down rivers occurred in mainly in Merizo by the Barcinas compound. This jammed debris, blocking river flow and causing flooding and risk of structural damage to the bridge, the nearby culvert, the road (Route No. 4)and

the nearby residences. (Please see photo, appended.) Evidence of debris accumulation was observed along the coastlines across Routes 12 and 2 in Agat, the beach area by Hoover and Pedro Santos Parks in Piti and on the coastline areas adjacent to the entrance to the sewer treatment plant in Hagatna.

Water and Ocean Assessment:

Had it been high tide during the assessment days, turbidity of the coastal waters would have been observed along the bridges and streams in the southern portion of Guam. Instead, exposed mud-coated rocks along the shoreline areas in Merizo and Inarajan, was observed. The eastern coastal areas showed little to no signs of murky waters except for the usual areas around Ylig and Talofofo Bay.

In regards to the state of the reef, Pete Peterson of the Micronesian Divers Association observed that there were no immediate impacts in the form of natural or manmade debris due to the Tropical Storm's minimal wind and wave strength, but did caution that a 20 to 30% long term degradation to the reef may occur because of the amount of silt and sedimentation caused by the large volume of rainfall. The affected areas he cites are located where the rivers and streams begin in the central part of the island on down to the Southern side of the island.

Department of Interior - Wildlife Refuge, Ritidian Point:

At the Ritidian National Wildlife Refuge, Wildlife employee Mr. Ricardo San Nicolas observed that reefs and shores in the area appear to have minimal impacts from the storm. He did mention that because of the wave surges a sandbar was created and covered an area that was previously ocean shoreline (see photo). Also, due again to the storm surges the waves reached as far inland as between 50 to 75 feet from the normal mean high water mark.

Inner Island Assessment:

Guam's interior received extensive flooding in some areas inland that could be attributed to debris buildup or improper drainage of the natural flow of stormwater. These areas were in the

vicinity of the Pago Bay Bridge, Barrigada, behind LP Untalan Middle School and on Marine Corp. Drive by the Polaris Point entrance. During the time of the survey, the later showed evidence of flooding only because the mangroves nearby were still inundated. They are normally not as saturated. The Pago area was approximately 6 inches deep in some areas, at the time. There were other areas throughout the island that also experienced some flooding that made some areas almost impassable.

Mudslides were experienced throughout the southern half of the island from Asan, inland to the slopes of Cross Island Road. This could be attributed to the geology of this half of the island. Residents in the area where savannah clay type soils are prominent, experienced the ground shift around them causing damage to land and building. Some residents experienced the undermining of their building foundations. All these incidents due to the torrential rains.

Recommendations:

Response actions by the Department of Public Works, Department of Parks and Recreation, Guam Office of Military Affairs, Mayors' Offices, and others, including public volunteers, had removed debris in reported flooded areas such as the road and bridge in Merizo, before the coastal damage assessment was undertaken. The ground assessments indicate that although debris along the coast amenable to a concerted cleanup is not widespread, limited sites could justify local cleanup efforts. In particular, surveyed shorelines between Asan Point to Hagatna, Umatac Bay, have accumulations of natural debris on public beach and shore areas above high water. These could be targeted for cleanup by volunteers or personnel assigned to cleanup duties such as Agency for Human Resources Development (AHRD) workers, under coordination of appropriate Mayors.

It is strongly recommended that the next preliminary survey of coastlines, rivers and streams and inland areas, should be conducted as soon as possible after the all-is-clear announcement is given, in order to capture a more accurate assessment for Guam.

Overall Observations:

It was observed that the *coastal areas* showed very little signs of erosion or debris buildup as a result of Tropical Storm TingTing. If the storm did develop more wind strength the island would have experienced far more damages and further erosion would be seen islandwide. Evidence of the minimal effects of this storm can be reflected within the comparison photos between Typhoon Chataan and Tropical Storm TingTing, included within this report. It was also observed that temporary shelters were closed shortly after the storm had passed, no debris transitional sites were required, nor were any major FEMA posts or Disaster Assistance Center immediately required.

What was also significant in this report was the fact that 36% of the 95 sites surveyed still indicate that erosion continues to occur. This may be attributed to by a number of factors including: natural occurrence, low lying areas especially in the South, and the rate of water runoff due to impervious surfaces. No new significant shoreline erosion was observed, but the same cannot be said for the inland island areas where greater flooding occurred. Since our office first began to conduct these storm surveys, the original erosion sites continue to experience some degree of erosion.

Due to the unusually large volume of rainfall that Guam experienced within a 24 hour period. The occurrence of extensive flooding throughout the island and the mud slides that occurred turned what was supposed to be just a minimal wind impact storm into a stormwater runoff disaster causing either the loss of homes or extensive damages to living quarters to a number of people. Although many of the flooded areas have experienced flooding in the past the magnitude of this storms rainfall contributed to an even greater amount of flooding.

ISLAND OF GUAM



MUNICIPALITIES



Figure 1



Figure 2

Figure 1 shows a photo taken after Tropical Storm TingTing passed. Figure 2 shows the same photo taken after Typhoon Chataan. These photos are indicative of the fact that little or no erosion was noticed throughout the islands rivers and streams.



Merizo Road across from the Barcinas Compound experienced heavy flooding from low lying road.



This photo was taken across the Barcinas Compound in Merizo. This area has historically been a flood prone area after most storm or during heavy rainfall.



This photo was taken at the Northern side of the island. Ritidian Point did receive storm surges between 50 to 75 feet from the mean high water mark.



This photo was interesting as a sand bar was created where previously there was none. This was also taken at Ritidian Point.



This Photo was taken at the Marine Lab Overlook of the Pago Bay area from Mangilao. Notice there was not much wave surges occurring.



This photo was also taken at the Marine Lab area. These areas did not experience much tidal surges as a result of the Tropical Storm's wind direction.



This photo was taken at the Agat – Merizo Highway. These areas normally experience landslides due to the erosion that was caused by the amount of grading during the road development.



This photo was taken in front of the Agat road nearby the Cetti Bay Overlook. What should be noted from this photo is the fact that this is a 10 to 15 foot ravine area whose drainage was blocked causing the ravine to completely fill and spill over the roadside.



Figure 1 Tropical Storm Photo of Matapang Park in Tumon Bay



Figure 2 Typhoon Chataan photo of Matapang Park in Tumon Bay

These photos show little if any erosion occurring as a result of Tropical Storm TingTing.



This photo was taken of Tumon Bay where the old Guam Memorial Hospital used to be.



This photo was taken at Fort Soledad in Umatac. The wave surges were still prominent 5 days after the storm had passed.

Tropical Storm Tingting Coastal/Environmental Assessment Survey



prepared by:
GIS/GCMP
Bureau of Statistics & Plans
07/15/04

BREAKDOWN OF SITES SURVEYED AND EROSION STATISTICS

SITE TYPE SURVEYED	TOTAL
A. Beach / Shore	45
B. River	19
C. Inland	17
D. Reef	00
E. Infrastructure	14
TOTAL SITES	95

Table I



EROSION RESULTS	EVIDENCE OF EROSION	NO EVIDENCE OF EROSION
A. Beach/Shore	17	29
B. River	07	12
C. Inland	06	11
D. Reef	00	00
E. Infrastructure	09	05
TOTAL	38	57

Table II

TOTAL NUMBER OF SITES SURVEYED EQUALS 95



Photo of the old Agat Spanish Bridge after Tropical Storm TingTing.

Municipality Code

- 01 Agana
- 02 Agana Heights
- 03 Agat
- 04 Asan
- 05 Barrigada
- 06 Chalan Pago Ordot
- 07 Dededo
- 08 Inarajan
- 09 Mangilao
- 10 Merizo
- 11 MongMong/Toto/Maite
- 12 Piti
- 13 Santa Rita
- 14 Sinajana
- 15 Talofoto
- 16 Tamuning
- 17 Umatac
- 18 Yigo
- 19 Yona

Site Code

- A. Beach/Shore
- B. River
- C. Inland
- D. Reef
- E. Infrastructure (Bridge,
Drain, Road, Seawall)

Level of Debris Code

- A. None
- B. Light
- C. Medium
- D. Heavy

Tropical Storm TingTing Coastal/Environmental Assessment Survey

Municipality	Site Name	Type of Site	Erosion Y/N	Types of Sediments (Check all that apply)					Level of Debris	Type of Debris (Check all that apply)											
				Rocks	Sand	Clay Soil	Dirt	Gravel		Metallic	Household Trash	Natural Wood	Lumber	Bamboo	Coconut Leaves	Coconuts	Dead Animals	Other Vegetations	Tires	Rubber Materials	Other: Specify Type of Debris

1	Hagatna Treatment Plant	A	N	1	1	1	1	1	B			1			1	1		1			
1	DLM to Diamond AutoParts	B	N	1	1	1	1	1	B	1	1	1	1	1	1	1	1	1	1	1	
1	Agana River to City Bank	A	N	1	1	1	1	1	B	1		1	1	1		1	1		1	1	
1	Paseo Point	E	N	1	1	1	1	1	B	1	1	1									
	SUBTOTAL AGANA			4	4	4	4	4	0	3	2	4	2	2	2	3	2	2	2	2	0

3	Nimitz Beach	A	Y		1	1			B		1	1		1		1				1	
3	Agat Marina	A	N						A												
3	Chaugaan Creek	B	Y	1	1		1		B	1	1	1									
3	Gaan River	B	N						B			1									
3	Gaan Point	A	N						B			1				1		1			
3	Finile Creek	B	Y						B		1	1									
3	Salinas River	B	Y	1	1		1		C		1	1						1			
3	Togcha River	B	N						B		1	1									
3	Namo River	B	N				1		B			1									
3	Dadi Beach	A	Y						B												
3	Apaca Point	A	N						B			1									
	SUBTOTAL AGAT			2	3	1	3	0	0	1	5	9	0	1	0	2	0	2	0	1	0

4	Asan Beach	A	Y	1	1			1	B			1	1		1	1		1			
4	Asan Memorial Park	B	N	1	1			1	B			1	1		1	1		1			

Tropical Storm TingTing Coastal/Environmental Assessment Survey

Municipality	Site Name	Type of Site	Erosion Y/N	Types of Sediments (Check all that apply)					Level of Debris	Type of Debris (Check all that apply)												
				Rocks	Sand	Clay Soil	Dirt	Gravel		Metallic	Household Trash	Natural Wood	Lumber	Bamboo	Coconut Leaves	Coconuts	Dead Animals	Other Vegetations	Trees	Rubber Materials	Other: Specify Type of Debris	
4	Across Joe & Flo's	A	N	1	1		1	1	C	1	1	1	1		1	1		1	1			
	SUBTOTAL ASAN			3	3	0	1	3	0	1	1	3	3	0	3	3	0	3	1	0	0	

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Tropical Storm TingTing Coastal/Environmental Assessment Survey

Municipality	Site Name	Type of Site	Erosion Y/N	Types of Sediments (Check all that apply)					Level of Debris	Type of Debris (Check all that apply)											
				Rocks	Sand	Clay Soil	Dirt	Gravel		Metallic	Household Trash	Natural Wood	Lumber	Bamboo	Coconut Leaves	Coconuts	Dead Animals	Other Vegetations	Trees	Rubber Materials	Other: Specify Type of Debris
8	Bear Rock Point	B	N				1		C												
8	Pauliluc River	B	N				1		B			1									
8	Inarajan Bay	A	N	1			1	1	C		1	1									
8	Inarajan Bridge	B	N	1		1	1	1	C	1		1		1		1					
	SUBTOTAL INARAJAN			5	5	2	5	3	0	7	6	7	1	2	5	5	0	2	1	2	0

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Tropical Storm TingTing Coastal/Environmental Assessment Survey

Municipality	Site Name	Type of Site	Erosion Y/N	Types of Sediments (Check all that apply)					Level of Debris	Type of Debris (Check all that apply)											
				Rocks	Sand	Clay Soil	Dirt	Gravel		Metallic	Household Trash	Natural Wood	Lumber	Bamboo	Coconut Leaves	Coconuts	Dead Animals	Other Vegetations	Tires	Rubber Materials	Other: Specify Type of Debris
10	Bile Bridge	E	Y	1			1		C	1	1	1					1				
10	Toguan Bay	A	Y	1			1		B		1						1				
10	Cocos Island	A	Y						C												
	SUBTOTAL MERIZO			11	4	2	11	0	0	8	11	7	4	5	9	8	0	9	3	2	0

12	Family Beach	A	Y	1					C	1	1	1	1						1		
12	East Port	E	Y	1	1			1	A												
12	Piti Channel (USO Beach)	E	Y	1			1	1	B	1	1	1		1	1						
12	Piti Bomb Hole	A	Y	1	1	1	1	1	B			1			1	1		1			
12	PAG "E" Wharf	A	Y	1	1			1	B	1		1	1					1		1	
	SUBTOTAL PITI			5	3	1	2	4	0	3	2	4	2	1	2	1	0	2	1	1	0

15	Talofofo Bay Lookout	C	N					B												
15	Talofofo Bay	E	N				1	B									1			
15	Talofofo Park	A	N				1	C			1						1			
15	Ipan Beach	C	N		1			B			1									
15	Asanite Bay	A	N					B			1									
15	Jeff's Pirates Cove	C	N		1			B												
	SUBTOTAL TALOFOFO			0	2	0	2	0	0	0	0	3	0	0	0	0	0	2	0	0

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Tropical Storm TingTing Coastal/Environmental Assessment Survey

Municipality	Site Name	Type of Site	Erosion Y/N	Types of Sediments (Check all that apply)					Level of Debris	Type of Debris (Check all that apply)										
				Rocks	Sand	Clay Soil	Dirt	Gravel		Metallic	Household Trash	Natural Wood	Lumber	Bamboo	Coconut Leaves	Coconuts	Dead Animals	Other Vegetations	Tires	Rubber Materials
	SUBTOTAL TAMUNING			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

17	Toguan Bay	E	N	1					B			1									
17	Mamatgun Point	C	Y			1			B			1									
17	Fort Soledad	A	Y	1	1			1	B			1						1			
17	Umatac Cemetery	A	Y	1		1			B			1		1		1		1			
17	Umatac Bridge	E	Y			1			C	1	1	1		1							
17	Umatac Bay	A	Y	1	1	1	1	1	B	1		1		1						1	
17	Umatac Church	A	Y	1	1	1	1	1	C			1		1				1			
17	Cetti Bay Overlook	A	N						A					4							
17	Cetti River	B	Y	1		1			B			1			1	1					
17	Sella Bay	B	N	1		1			B			1			1			1			
17	Talayag River	B	Y	1		1			C	1	1	1									
	SUBTOTAL UMATAC			8	3	8	2	3	0	3	2	10	0	8	2	2	0	4	0	1	0

18	Urunao Beach	A	N		1				A												
18	Ritidian Point	A	N		1				A												
	SUBTOTAL YIGO			0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

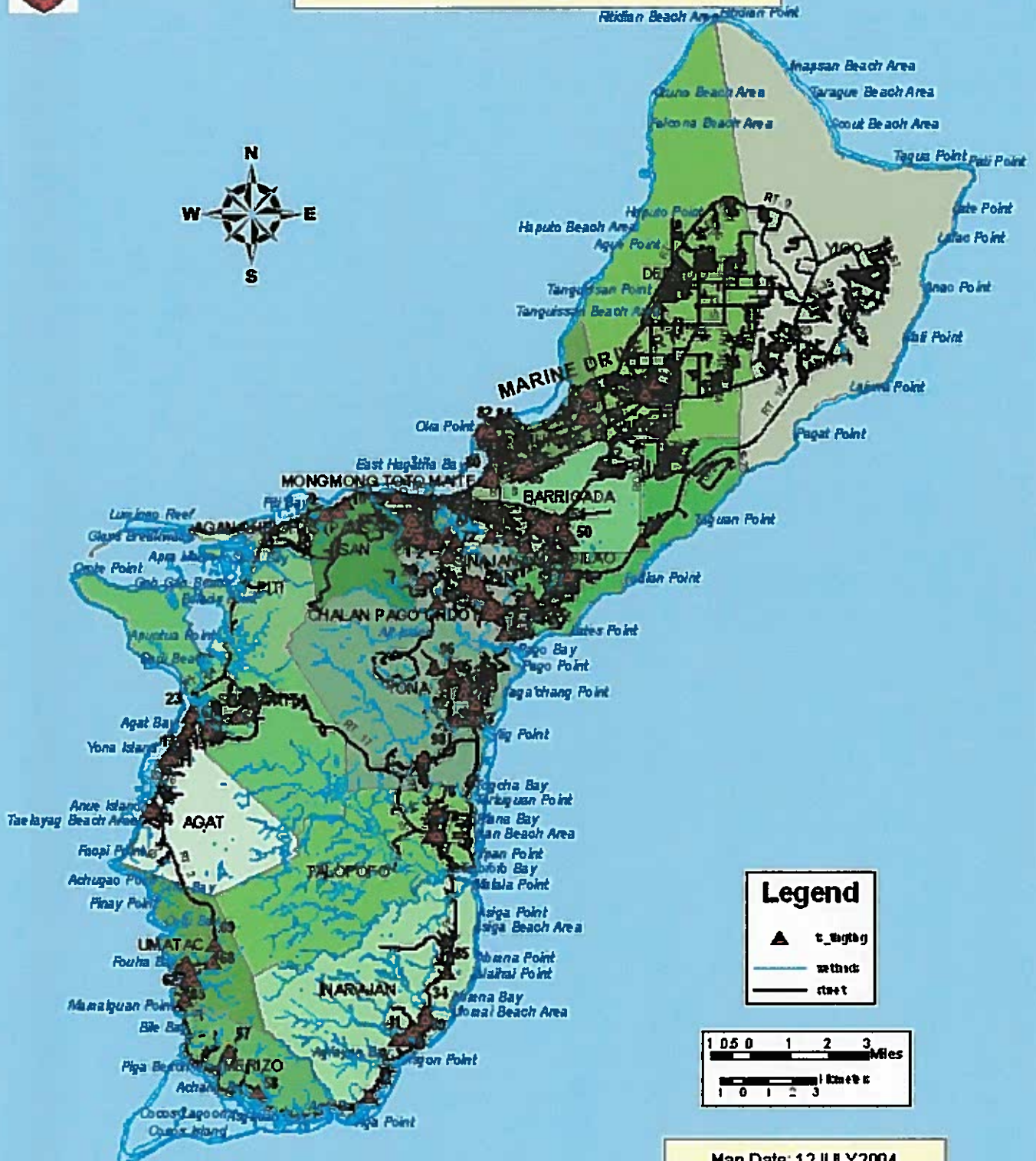
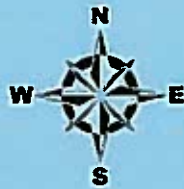
19	Togcha North	A	N		1				B			1				1		1			
19	Togcha River	B	N				1		B												
19	Togcha Bay	C	N		1				B			1				1		1			
19	Ylig Point	A	N						B					1		1		1			

Tropical Storm TingTing Coastal/Environmental Assessment Survey

Municipality	Site Name	Type of Site	Erosion Y/N	Types of Sediments (Check all that apply)					Level of Debris	Type of Debris (Check all that apply)											
				Rocks	Sand	Clay Soil	Dirt	Gravel		Metallic	Household Trash	Natural Wood	Lumber	Bamboo	Coconut Leaves	Coconuts	Dead Animals	Other Vegetations	Tires	Rubber Materials	Other: Specify Type of Debris
			19	Pago Point	C	N							A								
19	Togcha Cemetary	C	N		1				B												
19	Golf Course	C	N						A												
19	Behind Accion Hotel	A	N						B					1							
19	Ylig Bridge	B	Y						C			1		1	1		1				
19	Turtle Cove	A	N						A												
19	Tagachang Beach	A	N						A												
19	Pago River	B	N						B						1						
	SUBTOTAL YONA			0	3	0	1	0	0	0	0	3	0	3	2	4	0	4	0	0	0
	TOTAL			39	32	18	32	17	0	26	29	50	12	22	25	28	2	30	8	9	0



Tropical Storm Tingting Flood Damaged Areas

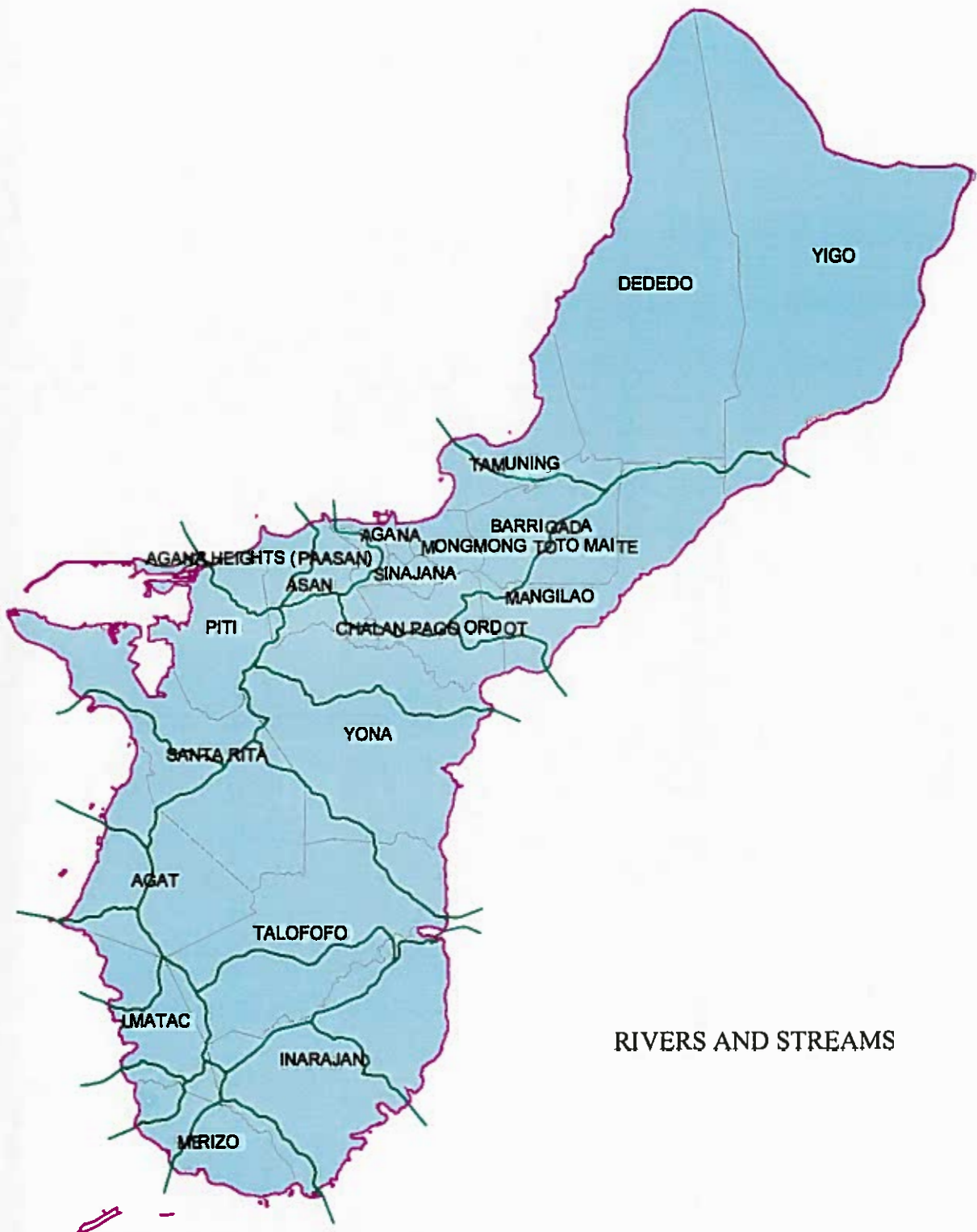


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area	municipality
1 TUTUJAN DRIVE	AGANA HEIGHTS
2 PAASAN DRIVE	AGANA HEIGHTS
3 FRANCISCO JAVIER AVE	AGANA HEIGHTS
4 JOE & FLO DR & GUITIERREZ WAY	AGANA HEIGHTS
5 236 JOSEPH CRUZ AVENUE	AGANA HEIGHTS
6 ESTIMATED 406, B, C JOSEPH CRUZ AVE	AGANA HEIGHTS
7 SANTA ANA ST.	ASAN
8 MSGR. LEON GUERRERO ST.	ASAN
9 LIMTIACO CT.	ASAN
10 CONSOLACION ST.	ASAN
11 FINILE DR.	AGAT
12 CHELE RD.	AGAT
13 TUN LEON DR.	AGAT
14 TALEYFAC RD.	AGAT
15 ATAO RD.	AGAT
16 MAIMAI RD.	CHALAN PAGO-ORDOT
17 CHALAN TOTTOT	CHALAN PAGO-ORDOT
18 CHALAN WESLEY	CHALAN PAGO-ORDOT
19 CHALAN CAMPOS	CHALAN PAGO-ORDOT
20 CHALAN KAKKAK	CHALAN PAGO-ORDOT
21 N. PERINO ST.	AGAT
22 KAMACHILI RD	AGAT
23 S. PERINO ST.	AGAT
24 CHALAN FAMHA	CHALAN PAGO-ORDOT
25 CHALAN UNTALAN	CHALAN PAGO-ORDOT
26 CHALAN ASUSENA	CHALAN PAGO-ORDOT
27 MANIBUSAN LANE	CHALAN PAGO-ORDOT
28 NAKI ST.	CHALAN PAGO-ORDOT
29 CHALAN LALA	CHALAN PAGO-ORDOT
30 EJ BELL	CHALAN PAGO-ORDOT
31 WEST SAN ANTONIO	DEDEDO
32 SALISBURY ST.	DEDEDO
33 WEST O'BREIN DR.	AGANA
34 TINAGA BRIDGE & LANE	INARAJAN
35 MALOJLOJ NEAR SOCIAL HALL- MAYORS OFFI	INARAJAN
36 BELEN AVE. AKA TUN JUAN ROSA PAULINO ST	INARAJAN
37 CHAGAMIN AVE. & CHAGAMIN LAGU AVE.	INARAJAN
38 PECA LN.	INARAJAN
39 AD'MAN DR.	INARAJAN
40 VICTOR SAN NICOLAS & OBING ST.	INARAJAN
41 IJA ROADS	INARAJAN
42 DONGUA AREA	INARAJAN
43 ADACAO AVE.	BARRIGADA
44 WEST OF CARBULLIDO ELEM. SCHOOL	BARRIGADA
45 INTERSCT OF RABON PL & UNAGUAGAN PL	BARRIGADA
46 BEJONG ST.	BARRIGADA
47 WEST OF AS CHENA PL.	BARRIGADA
48 LUJAN WAY - LEJANG	BARRIGADA
49 INTERSCT OF TOTO-CANADA RD & BLAS ST.	BARRIGADA
50 SAN ANTONIO ST.	BARRIGADA
51 S-32	BARRIGADA

52 WEST OF N PANGELINAN WAY	BARRIGADA
53 MANDARIN LN.	MANGILAO
54 FARFAN ST.	MANGILAO
55 TANGERINE LN.	MANGILAO
56 RT 15 - HAWAIIAN ROCK CO. AREA	MANGILAO
57 ESPINOSA AVE.	MERIZO
58 BARCINAS - GEUS RIVER AREA	MERIZO
59 SAN DIONISIO ST. (VILLAGE)	UMATAC
60 NEAR BASEBALL FIELD	UMATAC
61 NORTH SAN DIONICIO DR.	UMATAC
62 JOSE S. QUINATA ST.	UMATAC
63 INTR SCT OF JOSE Q. AGUON & SAN DIONICIO	UMATAC
64 JOSE A. QUINATA ST.	UMATAC
65 JESUS S. QUINATA	UMATAC
66 JOAQUIN PEREZ ST.	SANTA RITA
67 RT. 12 - BISHOP OLANA ST.	SANTA RITA
68 S-2 OR ROAD IN FROM WATER TANK	UMATAC
69 ALATGUO RIVER - VALLEY N OF VILLAGE	UMATAC
70 CLARA RD. - TO SAN MIGUEL ELEM	MONGMONG-TOTO-MAITE
71 RT. 4 - CHAOT	SINAJANA
72 SPRING LN. DEDIGUE	SINAJANA
73 AGANA SPRINGS LN. DEDIGUE	SINAJANA
74 N. PINA CT. & HERMAN DELEON ST.	SINAJANA
75 S LEONARDO TENORIO ST.	TALOFOFO
76 ERNEST P. SANTOS LP.	TALOFOFO
77 S. GORTON ST.	TALOFOFO
78 IGNACIO P. QUITUGUA ST.	TALOFOFO
79 GOV. CARLOS CAMACHO & MARINE CORPS DI	TAMUNING
80 W & E SEGUNDO ST. S OF BEN FRANKLIN	TAMUNING
81 PUNZALAN & JALAGUAC WAY	TAMUNING
82 VIVIAN WAY JONESTOWN	TAMUNING
83 LINDA WAY JONESTOWN	TAMUNING
84 TAMUNING VILLA	TAMUNING
85 MALL ST.- TO PACIFIC TOWERS	TAMUNIING
86 TUN JUAN RIVERA ST.	TAMUNING
87 PALM CT. & CARNATION LN. CARLOS HTS.	TAMUNING
88 CARNATION LN. CARLOS HTS.	TAMUNING
89 ADRIAN SANCHEZ ST. HARMON	TAMUNING
90 ANTHURIUM LN. HARMON	TAMUNING
91 TUN PEDRO CRUZ ST. HARMON	TAMUNING
92 MANENGON RD. & BRIDGE	YONA
93 RT. 4 N OF YLIG BRIDGE	YONA
94 TOMAS QUICHOCHO RD.	YONA
95 CHN. TELEFORO & PULANTAT RD. PULANTAT	YONA
96 JESUS SANTOS RD.	YONA
97 BALAJADIA RD.	YONA
98 LAGUINA CIR.	YONA
99 CHN BARCINAS	YONA
100 RT 4 - N OF PAGO BAY BRIDGE	CHALAN PAGO-ORDOT

ISLAND OF GUAM



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ACPD70 PGUM 020603
PSHPQ

PRELIMINARY POST-STORM REPORT...TYPHOON TINGTING (11W)
NATIONAL WEATHER SERVICE TIYAN GU
PM LST FRI JUL 02 2004

A. HIGHEST WINDS...

GUAM...

WSO GUAM

METAR...HIGHEST 2-MIN WIND REPORTED...38 KT OR 44 MPH FROM 270
DEGREES AT 27/1654 UTC. HIGHEST REPORTED GUST...50 KT OR 58 MPH
FROM 260 DEGREES AT 27/1641 UTC. WIND SENSOR IS AN ASOS WITH A
3-CUP ANEMOMETER.

ANDERSEN AIR FORCE BASE

METAR...HIGHEST 2-MIN WIND REPORTED...44 KT OR 51 MPH
(ESTIMATED)FROM 270 DEGREES AT 27/2359 UTC. HIGHEST REPORTED
GUST...51 KT OR 59 MPH (ESTIMATED)FROM 270 DEGREES AT 27/2359
UTC AND FROM 290 DEGREES AT 28/0856 UTC. WIND SENSOR IS AN
AN/FPQ13 DIGITAL WIND SENSOR (HOT WIRE ANEMOMETER). (WINDS ARE
GENERALLY ACCURATE AT WIND GUSTS LESS THAN 100 KT OUTSIDE HEAVY
RAIN.)

APRA HARBOR HANDAR

METAR...HIGHEST 2-MIN WIND REPORTED...39 KT OR 45 MPH FROM 264
DEGREES AT 27/1651 UTC. HIGHEST REPORTED GUST...54 KT
OR 62 MPH FROM 264 DEGREES AT 27/1651 UTC. 3-PRONGED
ULTRASONIC WIND SENSOR.

INARAJAN HANDAR

METAR...HIGHEST 2-MIN WIND REPORTED...37 KT OR 43 MPH FROM 258
DEGREES AT 27/1651 UTC. HIGHEST REPORTED GUST...57 KT OR 66 MPH
FROM 258 DEGREES AT 27/1651 UTC. 3-PRONGED ULTRASONIC WIND
SENSOR.

MANGILAO HANDAR

METAR...HIGHEST 2-MIN WIND REPORTED...27 KT OR 31 MPH FROM 265
DEGREES AT 27/1651...FROM 269 DEGREES AT 27/2351 UTC AND FROM
263 DEGREES AT 28/0751 UTC. HIGHEST REPORTED GUST...37 KT OR 43
MPH FROM 052 DEGREES AT 06/2251 AND FROM 078 DEGREES AT 07/0951
UTC. 3-PRONGED ULTRASONIC WIND SENSOR.

MERIZO HANDAR

METAR...HIGHEST 2-MIN WIND REPORTED...20 KT OR 23 MPH FROM 260
DEGREES AT 27/1951 UTC. HIGHEST REPORTED GUST...50 KT OR 58 MPH
FROM 248 DEGREES AT 27/1851 UTC. 3-PRONGED ULTRASONIC WIND
SENSOR. INSTRUMENT HAS POOR EXPOSURE.

ROTA COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS (CNMI)...

ROTA INTERNATIONAL AIRPORT (SAWRS)

METAR...HIGHEST 2-MIN WIND REPORTED...38 KT OR 44 MPH FROM 250
DEGREES AT 28/0455 UTC. HIGHEST REPORTED GUST...50 KT OR 58 MPH
FROM 240 DEGREES AT 28/0550 UTC. WIND SENSOR F420 WIND SENSOR.
(PART TIME STATION--MAY NOT HAVE CAPTURED MAXIMUM WIND; SHUT

DOWN FROM 28/0550 UTC UNTIL 28/2010 UTC.)

ROTA HANDAR

METAR...HIGHEST 2-MIN WIND REPORTED...28 KT OR 32 MPH FROM 230 DEGREES AT 28/0351 UTC. HIGHEST REPORTED GUST...41 KT OR 47 MPH FROM 240 DEGREES AT 28/1251. 3-PRONGED ULTRASONIC WIND SENSOR. [VALUES APPEAR TO BE TOO LOW WHEN COMPARED TO THE ADJACENT F420 ANEMOMETER.]

TINIAN INTERNATIONAL AIRPORT (SAWRS)

METAR...HIGHEST 2-MIN WIND REPORTED...30 KT OR 35 MPH FROM 280 DEGREES AT 27/2250 UTC...FROM 250 DEGREES AT 280150 UTC...FROM 260 DEGREES AT 28/0250 UTC AND FROM 230 DEGREES AT 28/0855 UTC. HIGHEST REPORTED GUST...45 KT OR 52 MPH FROM 230 DEGREES AT 28/0855 UTC. WIND SENSOR F420 WIND SENSOR.

TINIAN HANDAR

INSTRUMENT INOPERATIVE.

SAIPAN CNMI...

SAIPAN INTERNATIONAL AIRPORT (ASOS AND SAWRS AUGMENTED/EDITED)

METAR...HIGHEST 2-MIN WIND REPORTED...54 KT OR 62 MPH FROM 230 DEGREES AT 28/0806 UTC. HIGHEST REPORTED GUST...67 KT OR 77 MPH FROM 230 DEGREES AT 28/0806 UTC. WIND SENSOR ASOS.

PAGAN ISLAND AMOS

METAR...HIGHEST 2-MIN WIND REPORTED...57 KT OR 66 MPH FROM 070 DEGREES AT 28/1600 UTC. HIGHEST REPORTED GUST...115 KT OR 132 MPH FROM 070 DEGREES AT 28/1600 UTC. 3-PRONGED ULTRASONIC WIND SENSOR. INSTRUMENT HAS POOR EXPOSURE.

AGRIHAN

NO OBSERVATIONS AVAILABLE.

B. LOWEST PRESSURE...

GUAM...

WFO GUAM

995.3 MB AT 27/1854 UTC.

ANDERSEN AIR FORCE BASE

996.4 MB AT 27/0656 UTC.

APRA HARBOR HANDAR

996.2 MB AT 27/1851 UTC AND AT 28/0351 UTC.

INARAJAN HANDAR

996.3 MB AT 28/0651 UTC.

MANGILAO HANDAR

996.7 MB AT 27/1851 UTC.

MERIZO HANDAR

994.2 MB AT 28/0851 UTC.

ROTA COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS (CNMI)...

ROTA INTERNATIONAL AIRPORT (SAWRS)
ALTIMETER 29.32 INCHES OF MERCURY AT 27/2040 UTC.

ROTA HANDAR
993.0 MB AT 28/0251 UTC.

TINIAN INTERNATIONAL AIRPORT (SAWRS)
ALTIMETER 29.14 INCHES OF MERCURY AT 27/2020 UTC AND AT 27/2050
UTC.

TINIAN HANDAR
INSTRUMENT INOPERATIVE.

SAIPAN CNMI...

SAIPAN INTERNATIONAL AIRPORT (ASOS AND SAWRS AUGMENTED/EDITED)
984.9 MB AT 27/2154 UTC.

PAGAN ISLAND AMOS
973.6 MB AT 28/1500 UTC.

AGRIHAN
NO OBSERVATIONS AVAILABLE.

C. MAXIMUM RAINFALL...

GUAM...

WSO GUAM

3 HR 4.13 INCHES ENDING AT 27/0554 UTC.
6 HR 7.69 INCHES ENDING AT 27/0600 UTC.
12 HR 11.80 INCHES ENDING AT 27/1200 UTC.
24 HR 16.00 INCHES ENDING AT 27/1400 UTC.

ANDERSEN AIR FORCE BASE
NOT YET AVAILABLE.

APRA HARBOR HANDAR

1 HR 0.92 INCHES ENDING AT 27/1351 UTC.
3 HR 1.71 INCHES ENDING AT 27/1351 UTC.
6 HR 4.89 INCHES ENDING AT 27/1351 UTC.
12 HR 6.28 INCHES ENDING AT 27/1951 UTC.
24 HR 10.65 INCHES ENDING AT 27/2051 UTC.

INARAJAN HANDAR

1 HR 1.71 INCHES ENDING AT 27/1351 UTC.
3 HR 4.45 INCHES ENDING AT 27/1551 UTC.
6 HR 7.73 INCHES ENDING AT 27/1651 UTC.
12 HR 13.35 INCHES ENDING AT 27/1951 UTC.
24 HR 21.85 INCHES ENDING AT 27/2151 UTC.

MANGILAO HANDAR

1 HR 2.03 INCHES ENDING AT 27/0351 UTC.
3 HR 4.99 INCHES ENDING AT 27/0451 UTC.
6 HR 6.65 INCHES ENDING AT 27/0751 UTC.
12 HR 9.64 INCHES ENDING AT 27/0951 UTC.
24 HR 14.34 INCHES ENDING AT 27/1951 UTC.

MERIZO HANDAR

1 HR 1.13 INCHES ENDING AT 27/1351 UTC.
3 HR 2.68 INCHES ENDING AT 27/1351 UTC.
6 HR 4.61 INCHES ENDING AT 27/1451 UTC.
12 HR 7.75 INCHES ENDING AT 27/1851 UTC.
24 HR 13.50 INCHES ENDING AT 27/2151 UTC.

ROTA COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS (CNMI)...

ROTA INTERNATIONAL AIRPORT (SAWRS)
ALTIMETER 29.32 INCHES OF MERCURY AT 27/2040 UTC.

ROTA HANDAR

1 HR 1.81 INCHES ENDING AT 26/2251 UTC.
3 HR 3.43 INCHES ENDING AT 27/0051 UTC.
6 HR 4.12 INCHES ENDING AT 27/0251 UTC.
12 HR 4.78 INCHES ENDING AT 27/0251 UTC.
24 HR 5.64 INCHES ENDING AT 27/1151 UTC.

TINIAN HANDAR

INSTRUMENT INOPERATIVE.

SAIPAN CNMI...

SAIPAN INTERNATIONAL AIRPORT (ASOS AND SAWRS AUGMENTED/EDITED)

3 HR 1.99 INCHES ENDING AT 28/0854 UTC.
6 HR 3.00 INCHES ENDING AT 28/1154 UTC.
12 HR 5.48 INCHES ENDING AT 28/1154 UTC.
24 HR 7.72 INCHES ENDING AT 28/1154 UTC.

PAGAN ISLAND AMOS...

1 HR 0.71 INCHES ENDING AT 28/1700 UTC.
3 HR 1.73 INCHES ENDING AT 28/1800 UTC.
6 HR 2.41 INCHES ENDING AT 28/2100 UTC.
12 HR 3.84 INCHES ENDING AT 28/1900 UTC AND 28/2000 UTC.
24 HR 6.02 INCHES ENDING AT 29/0300 UTC AND 29/0400 UTC.

AGRIHAN CNMI...

NO OBSERVATIONS AVAILABLE.

D. STORM TIDES

GUAM...RUNUP/INUNDATION OF 5-6 FT ON SW PART OF ISLAND...EXCEPT
9 FT IN UMATAC BAY. NO SIGNIFICANT DAMAGES.

ROTA CNMI...NO REPORTS...BUT RUNUP/INUNDATION LIKELY LESS THAN 6
FT.

TINIAN CNMI...NO REPORTS...BUT RUNUP/INUNDATION LIKELY LESS THAN
6 FT.

SAIPAN CNMI...NO REPORTS...BUT RUNUP/INUNDATION LIKELY LESS THAN
6 FT.

PAGAN ISLAND CNMI...NOT REPORTED...BUT LIKELY AROUND 6-8 FT.

AGRIHAN...NO REPORTS...BUT LIKELY AROUND 5-7 FT.

E. BEACH EROSION

GUAM...LIGHT

ROTA CNMI...NONE REPORTED...BUT LIKELY LIGHT.

TINIAN...NONE REPORTED...BUT LIKELY LIGHT.

SAIPAN CNMI...NONE REPORTED...BUT LIKELY LIGHT.

PAGAN CNMI...NOT REPORTED...BUT LIKELY MODERATE.

AGRIHAN CNMI...NOT REPORTED...BUT LIKELY MODERATE.

F. FLOODING

GUAM...EXTENSIVE FLOODING WITH A RECORD 16.00 INCHES OF RAIN IN 24 HR.

ROTA CNMI...MINOR.

TINIAN CNMI...MINOR.

SAIPAN...MODERATE AND SHORT-LIVED.

PAGAN AND AGRIHAN...MINOR.

G. STORM EFFECTS

GUAM...TROPICAL STORM WARNING AND FLASH FLOOD WARNINGS ISSUED. EXTENSIVE FLOODING AND SEVERAL MUDSLIDES. 1 DROWNING FROM SURF DURING STORM AND 5 DROWNINGS FROM RIP CURRENTS AFTER STORM HAD PASSED. ONE DEATH DUE TO AUTO ACCIDENT ON COLLAPSED BRIDGE.

ROTA CNMI...TROPICAL STORM WARNING ISSUED. NO SIGNIFICANT DAMAGE. SOME DAMAGES TO PORT FACILITIES.

TINIAN CNMI...TYPHOON WARNING ISSUED. OTHER STORM EFFECTS UNKNOWN AT THIS TIME.

SAIPAN CNMI...TYPHOON WARNING ISSUED. LOTS OF TREE PRUNING AND MANY POWER LINES DOWN DUE TO TREES AND LIMBS. SOME WOOD AND TIN ROOFS DAMAGED OR DESTROYED.

PAGAN CNMI...THE ONE AND ONLY HOUSE DESTROYED...ONE MINOR INJURY.

AGRIHAN CNMI...BOTH HOUSES DESTROYED...NO INJURIES.

H. OTHER COMMENTS. NONE AT THIS TIME.

Preparation advised



■ A. Enselio/Pacific Sunday News/rousebio@guampdn.com

Carnival: Sam Cabanayan, 37, of Sinajona uses sealant to patch holes in the tin roof at Matt and AJ's Hafa Adai Cotton Candy and Shaved Ice booth at the Liberation carnival in Hagåtña yesterday. Cabanayan was patching up the holes to prevent rain from leaking into the booth.

Tropical Storm Tingting intensifies

UPDATES



▲ For the latest storm update, visit the Pacific Daily News Web site: www.guampdn.com or call 811.

▲ National Weather Service: www.nws.noaa.gov/pf/guam

By Jill Espiritu
Pacific Sunday News
jespitu@guampdn.com

Residents of Guam and the Commonwealth of the Northern Mariana Islands should start making storm preparations as the approaching Tropical Storm Tingting continued to intensify last night.

Gov. Felix Camacho was expected at midnight to place the island in Condition Red-1, meaning that damage-

TO THE POINT

▲ Residents are asked to make storm preparations as a tropical storm approaches Guam. Closest approach is expected Monday morning.

ing winds are possible in 48 hours, said spokesman Steve Gonzalez. The storm dumped heavy rain on Guam yesterday.

Guam, Rota, Tinian and Saipan are under a storm watch. More torrential rain and storm-force winds are expected in the next couple of days, according to the National Weather Service. Closest point of approach to Guam is expected Monday morning, according to the weather service.

As of 7 last night, the storm was located near 12 degrees

▲ See Storm Page 7

Power restored to areas

By Jill Espiritu
Pacific Sunday News
jespitu@guampdn.com

The island's power system should remain stable today after the Guam Power Authority restored service to northern and central areas of Guam late Friday night.

Thousands of homes and businesses in central and northern Guam were affected by rolling outages Thursday and Friday after a fire at the Harman substation damaged control cables and triggered the outages.

GPA Assistant General Manager Joseph Flores said crews were able to temporarily repair the damaged Harman substation late Friday, but some outages in Dededo continued to occur for short periods of time yesterday after rain as crews were stabilizing the system.

"I'm very happy with all the work the crews did," Flores said. "They worked around the clock. I'm proud to say that we have been able to respond quickly to the situation."

GPA spokesman Art Perez said he doesn't foresee any more outages in the coming days.

The power outages also caused water problems in several villages because water meters at water wells failed to turn on. GWA spokesman Patrick Lujan said water service was restored to customers yesterday.

Power agency crews also had been trying to get the dormant 22-megawatt Machhe power plant running on Friday to alleviate the power situation. Although the power plant was operational early yesterday morning, its use was unnecessary because the Harman substation was repaired and able to supply

▲ See Damage Page 7

TO THE POINT

▲ Power was fully restored to affected areas in northern and central Guam late Friday evening, according to the Guam Power Authority.

ward benefits lined up
national Guard and Reserve members are
ranted re-employment at the end of their active-duty service. Check in for what you and your family need to know about and benefits.
See story, Page 8



Carnival buzzes with fun

Kids can become heroes and anti-heroes — there's lots to do at the 2004 Liberation Carnival and Guam Island Fair.

The yearly event has been a tradition during the island's liberation commemoration. This year's events, from the carnival to the grand parade and fireworks, mark the 60th anniversary of Guam's liberation from Japanese occupation.

Inside
● Reflections: Tradition filled with memories.
● Fair Families: Activities to enjoy together; rides for the kids.
● At a glance: Schedule of Liberation events.
Page 2
● Just for fun: Try your hands at games of skill and chance.
● Delishious: Dishes and other treats to try.
Page 3

Agana Shopping Center

"Your First Choice For All Shopping Needs!"

Storm strengthening

A Special Report

CCU tackles water, power

By Steve Limlaco

Pacific Daily News
slimlaco@guampdn.com

The Consolidated Commission on Utilities, whose members were elected for the first time in 2002, had a lot on its plate after taking office in January 2003, including typhoon recovery, a possible federal takeover of the government-run water agency, and the need to pay supplemental annuities to retirees.

The five-member commission, which sets policy for the water and power agencies, has had to deal with financial problems at both agencies, and with the water agency's inability to provide consistent water service to all customers.

Commission members have turned to rate increases as the solution to many of the problems, although they also have called for lower power costs now that the power agency is spending more efficiently and fuel costs are lower.

Perhaps the two most important actions by the commission during its first 17

See Actions Page 5



P.J. Borja/For Pacific Daily News

Above: Tom Blas takes a look at a landslide that funneled mud, water and debris through a house in Nimitz Hill yesterday. The landslide was caused by the heavy rains dumped by Tropical Storm Tingting yesterday. Below: A motorist attempts to cross a flooded area near the Pago Bay bridge. The motorist was among the many who braved the flooding caused by Tropical Storm Tingting's heavy rains yesterday.



Ric A. Esteban/Pacific Daily News/Newsline@guampdn.com



Source: Joint Typhoon Warning Center, 688

Shelters open; DOE classes canceled today

INSIDE

▲ Landslides: Mud, debris crash through homes.

▲ At a glance: Important numbers. Page 4

STORM UPDATES

For storm updates throughout the day, please look for more information on our website: www.guampdn.com. Log on to

By Katie Worth

Pacific Daily News
kworth@guampdn.com

Tropical Storm Tingting slammed

Guam all day yesterday with flash floods, mudslides, unrelenting rains and damaging winds, leaving 199 people sleeping in emergency shelters last night and hundreds of air travelers grounded.

The storm is slowly intensifying and may become a typhoon by about 10 a.m. today, said Mike Milder, a Na-

tional Weather Service meteorologist. At that time, the storm should pass about 40 miles north of Saipan, anticipated as the closest point of approach to both Guam and Saipan.

As of 10 p.m. yesterday, Tingting's center was located near 14.7 degrees north and 147.8 degrees east, or 220 miles east-northeast of Guam and 140 miles east-southeast of Saipan. Tingting was moving northwest at 9 mph. Maximum sustained winds at

See Weather Page 4

TO THE POINT

▲ The two most important actions taken by the elected Consolidated Commission on Utilities since taking office in 2002 were: signing an agreement to comply with the federal Clean Water and Safe Drinking Water acts; and the decision to privatize the water agency.

INSIDE

▲ Progress report: Are commission members doing their job?

Page 2, 3

For every announcement, there's



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TO THE POINT

▲ Landslides around the island were reported yesterday as the island received about 15 inches of rain between midnight Saturday and 9 p.m. yesterday due to Tropical Storm Tingting.

Frustration

The timing could not have been worse, Cabral said, because the landslide occurred just a few hours before the family was scheduled to fly to the mainland for a dance competition in which their children were supposed to participate, followed by a trip to Disneyland.

Surviving a storm

His legs dripping with mud and sweat, Cabral sighed and shook his head in disbelief. "Ah, man," he said, watching his 9-year-old son, Brian in hand, slip around in the mud on their black-tiled floor. "God, I can't even begin to estimate the damage."

Weather: More shelters to open as necessary

Guam Housing and Urban Development Authority, his neighbor, the Asan mayor's office and others to build a retaining wall to prevent such a catastrophe.

Power, water

Yesterday, power outages were reported in Dededo, Agat, Yona and parts of central Guam, Guamatao said. In Agat, multiple power lines were down. GPA spokesman Art Perez said crews are making assessments and starting repairs in areas that are accessible, but there is no time line for full restoration.

Shelters, schools

At 9 last night, 199 people had checked into emergency shelters because of the flooding. The shelters opened yesterday include:

Flights

Yesterday afternoon, all flights to and from Guam were canceled. One plane reportedly circled the island several times and tried to land twice before giving up and landing in Saipan. Authorities were unsure when flights would be reinstated.

Liberation carnival

At what a few days ago was a bustling Liberation Carnival at the Chamorro Village, vendors splashed through ankle-deep water in the torrential rain to salvage what they could of their valuables. Some men lifted a refrigerator and other appliances into the back of a truck. Others wrapped carnival prizes in plastic and stuffed them next to other supplies in a trailer.

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▲ Power: Call 475-1500.
▲ Water: Call 648-4211.
▲ Police: 911 or 472-8911.
▲ Civil Defense: 475-9600/1.

ON THE NET

▲ National Weather Service: www.nws.noaa.gov/paguam

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Ric A. Eusebio/Pacific Daily News/eusebio@guampdn.com

Yigo school: Jenny James, 48, right, checks on her 3-week-old baby, Phill Kintin, while surrounded by children at the F.B. Leon Guerrero Middle School cafeteria in Yigo, which was being used as a storm shelter.

made impossible. Route 4 near Ylig Bay, Mainai Road in Chalan Pago and Funes Road, Marine Corps Drive near Pahrrie Point was reduced from four lanes to one, Guamatao said.

Civil Defense also had received reports of widespread mudslides, some of which slid through people's homes and buried people's yards.

A flash flood warning was expected to remain in effect for Guam until 11 last night and a flash flood watch will be in effect for Guam until 6 p.m. today, the Weather Service said.

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Ric A. Eusebio/Pacific Daily News/eusebio@guampdn.com

Yigo school: Jenny James, 48, right, checks on her 3-week-old baby, Phill Kintin, while surrounded by children at the F.B. Leon Guerrero Middle School cafeteria in Yigo, which was being used as a storm shelter.

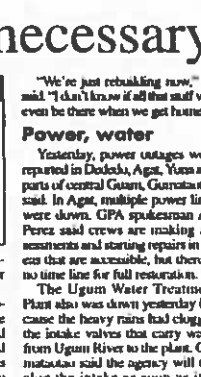
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Ric A. Eusebio/Pacific Daily News/eusebio@guampdn.com

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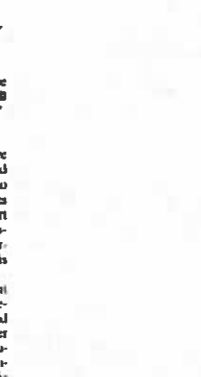
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Ric A. Eusebio/Pacific Daily News/eusebio@guampdn.com

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made impossible. Route 4 near Ylig Bay, Mainai Road in Chalan Pago and Funes Road, Marine Corps Drive near Pahrrie Point was reduced from four lanes to one, Guamatao said.

Civil Defense also had received reports of widespread mudslides, some of which slid through people's homes and buried people's yards.

A flash flood warning was expected to remain in effect for Guam until 11 last night and a flash flood watch will be in effect for Guam until 6 p.m. today, the Weather Service said.

Flights

Yesterday afternoon, all flights to and from Guam were canceled. One plane reportedly circled the island several times and tried to land twice before giving up and landing in Saipan. Authorities were unsure when flights would be reinstated.



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BBL playoffs postponed

By Brett Maluveling
For Pacific Daily News

The island's sports, even indoor sports, took a back seat to the stormy weather yesterday. The rain is due to Tropical Storm Tingting, which was projected to make its closest approach to Guam this morning.

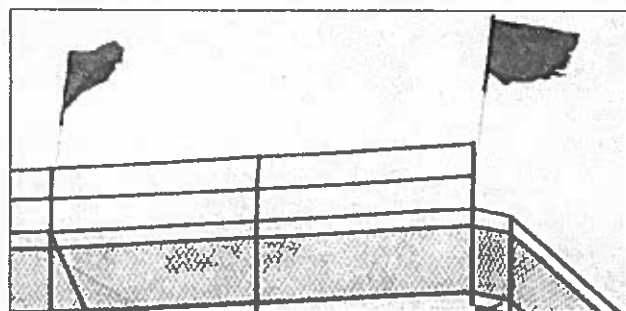
The Budweiser Baseball League playoffs were postponed for the third time in two weeks. The games will be pushed to Saturday, with the continuation of the Guam Greyhounds/76 Cangaris game beginning at 10 a.m. The loser of that game will play again against the University of Guam Titans to stay in the playoffs. The Greyhounds will play the Akins Knoll Islanders in the late game. Information was provided by Titans player/coach Ray Aguin.

Soccer

The GFA/Budweiser Men's Spring Soccer League playoffs also were postponed because of the weather. The playoff schedule is expected to stay the same but the venues might change, according to Director of Referees Marty Boudreau.

Basketball

The Filipino Amateur Basketball League games were postponed.



P.J. Borja/For Pacific Daily News

Cancellations Two pennants at the Paseo Stadium are ragged from being whipped by high winds yesterday. Playoff games for the Budweiser Baseball League were canceled because of the inclement weather.

LOCAL ROUNDUP

Yogo gym supervisor Ron Flores said the reason for the postponement was that the gym needed to be secured. Games should continue next week.

Bowlers roll

The only event unaffected by the downpour, the Guam Bowling Congress Olympic Day Festival Bowling Tournament, took place at Central Lanes. Ray San Nicolas took up honors on the twelfth side with a 681,

while Keith Guerrero (678) and Curtis Hu (641) came in second and third, respectively. Felynar Mandayot generated first for the women, bowling a 586. Cheryl Canadagan's 545 was enough for sixth place. Tournament organizer Joey Miranda III supplied the information.

Tournament postponed another day

By Akash Shringi
For Pacific Daily News

The 2004 Guam Little League All Island Tournament was washed out by heavy rain yesterday at the Barrigada baseball field. The tournament will continue once the skies are clear and everything is back to normal.



"We won't have any games (today) — that's for sure," Guam Little League district administrator Gregorio Borja Sr. said yesterday.

"The word out there is that the closest point to the current storm should hit us ... (this) morning. Once everything calms down, the tournament will continue. Right now, I think Wednesday is the ideal day. We could have it on Tuesday if everything is fine. But Wednesday is more realistic because there is a chance that some of us would need time out to take care of personal things at home, such as water damage, clearing up the yard et cetera," Borja added.

The detaching three-time champion Central Little League all-stars (2-1) were scheduled to face the Southern Little League all-stars (2-1) in a single-elimination playoff game yesterday. The winner of the game was scheduled to play the Central-East Little League all-stars (2-1) for the title today.

"The only thing now that we might do is play two games in one day," Borja said. "There is a provision for a doubleheader in Little League Baseball tournament rules. And really, it shouldn't affect the teams because there will be a pitching rotation."

MFL also rained out

The defending Miller Football League champion Toyota Bears (2-1) were scheduled to take on the Knights (1-1) yesterday at the University of Guam football field. League coordinator Leonard Calvo said a meeting with league coaches will take place this week to discuss when the game will be replayed.

Titans knock Texas in CWS finals opener

OMAHA, Neb. (AP) — A Cal State Fullerton team that had a losing record at midseason is now one win away from a national championship.

Danny Dorn's two-run double gave Fullerton the lead in the seventh inning and three relievers shut down Texas the rest of the way, leading the Titans to a 6-4 victory in the first game of the College World Series finals Saturday night.

The Titans (46-22), seeking their first national title since 1995 and their fourth overall, can wrap up the best-of-three series with a win over the Longhorns (58-14) Sunday.

"Texas is not going to go away," Fullerton coach George Horton said. "They're going to keep making runs at us."

Fullerton has won 31 of its past 37 games after starting the season 15-16.

"We had our rock bottom part of the season and then got the ball rolling," Dorn said. "We don't think so much about winning the national championship tomorrow as we do about going out and winning the first pitch and then the pitch after that."

Dorn stepped to the plate after star reliever Huston Street struck out the No. 3 and 4 batters Kurt Suzuki and P.J. Platter. Justin Thimer and Clark Harkinian had led off the seventh with singles against J. Brent Cox (6-2).

Dorn, who had just three hits in his first 17 CWS at-bats, lined Street's 2-2 pitch into the gap. The ball bounced off the head of Texas left fielder Carson Kainer's glove for a two-run double.

"I felt like I had been struggling," Dorn said. "I was trying to pick up a teammate (Suzuki) who had picked me up all year. Luckily I got a pitch to hit and got the barrel on it."

Felipe Garcia, who had four hits and three RBIs, drove in Dorn for a 6-4

▲ See CWS, Page 35

The Associated Press

Jump starts: Cal State Fullerton's P.J. Platter (44) celebrates with Kurt Suzuki after both scored in the first inning against Texas on a two-run hit by Felipe Garcia in Omaha, Neb., Saturday, in the first game of the College World Series best-of-three finals.



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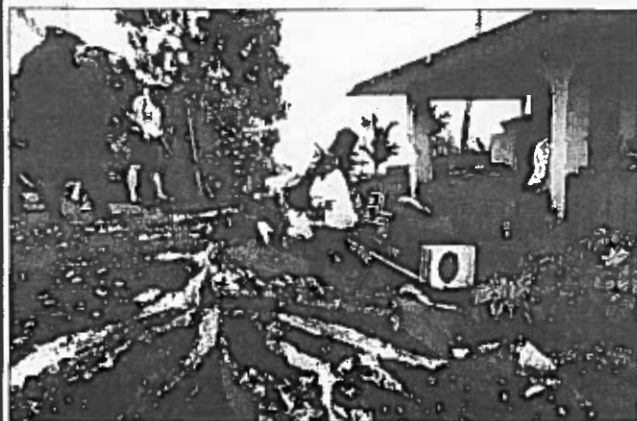
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Rains leave destruction



Photos by Mariela Watanabe/Pacific Daily News/mwatanabe@guampdn.com

Landslides John Cruz, 27, retrieves belongings from his in-laws' Santa Rita house, which slid downhill when ground underneath gave way. The ground shifted as a result of the torrential rains dumped by Tropical Storm Tingting this weekend.

Residents showered with slew of problems

By Steve Limtiaco
Pacific Daily News
slimtiaco@guampdn.com

Nick Legaspi thought he had finally solved the flooding problem at his new home when he built what can only be described as the Great Wall of Mangilao around the property to keep the water from invading. But 16 inches of rain in a single day was too much for his 8-foot wall and his rented water pumps to handle, and relatives yesterday were tearing the property on an inflatable raft.

Sunday's record rainfall aggravated existing flooding problems in several villages and caused new problems that few residents expected, including several landslides, large and small.

STO TO THE POINT

A Sunday's record rainfall aggravated existing flooding problems in several villages and caused new problems that few residents expected, such as landslides.

The Anderson family, of Santa Rita, woke up yesterday morning and discovered a huge crack in their front pavement. Within an hour, their entire bi-level house had slid down a small slope, about 10 feet from where it had stood for 25 years. Halfway down the slope, the power line connecting the three-bulb house to a utility pole strained, then snapped.

See Problems, Page 3

Utility work continues

Although utility agencies haven't given a projected time of completion, the work to restore power and water continues today, and DFW crews are working to clear roads clogged up by Tropical Storm Tingting, which is now a typhoon. Agencies are concentrating on the southern part of the island, which was hit the hardest by the storm, as well as neighboring "back" lines that lost power.

See story, Page 4

INSIDE

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Page 14



Above: Department of Public Works' Buddy Ornel, left, and John E. Daniels inspect a collapsed bridge on Joaquin D. Perez Drive near Harry S. Truman Elementary School in Santa Rita yesterday. The bridge over the Takyay River collapsed as a pickup was crossing over it.



Map by the Department of Public Works

NUMBERS

A Power: 475-1472-4
A Water: 846-4211
A Police: 811 or 472-8911
A Civil Defense: 475-80001
A American Red Cross: 472-8217

ON THE NET

A For more photos and for post-credits (a, b, c) on to www.guampdn.com.



Don't forget to vote in today's Pacific Daily News poll. Today's question:
Do you feel you were adequately warned about the severity of the storm?
Results from yesterday's poll are on page 3.



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Control given

Residents of Iraq's new government took their oath of office on Monday by house after the U.S.-run coalition transferred sovereignty. The takeover of power to the interim Iraqi government came two days sooner than planned.
See story, Page 10

Inside

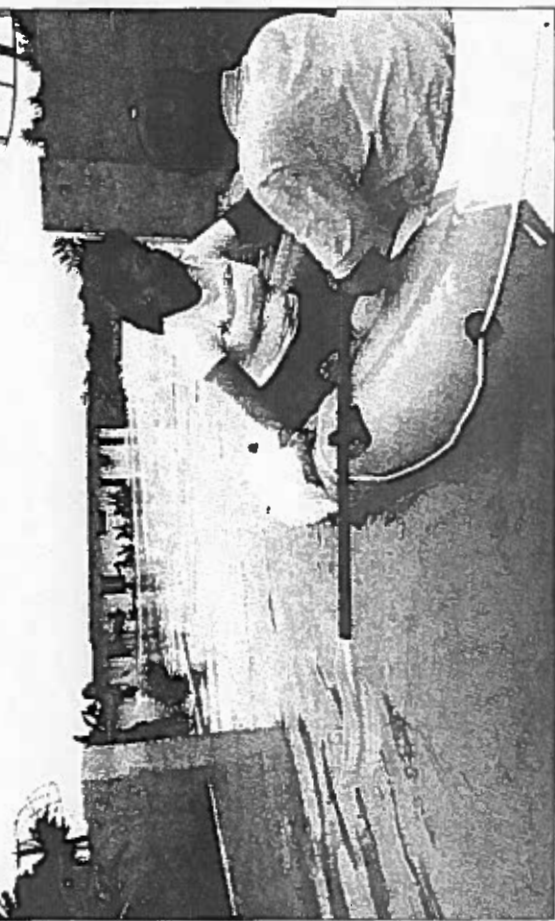
Group threatens ahead two men
Page 10



TRUCK MONTH GOING ON NOW!

See pg.





Left: Rose Timoteo, 49, and husband Greg Timoteo, 57, approach her sister's Mangilao home in an inflatable boat. The home was flooded by the torrential rain brought by Tropical Storm Tingling. The Mangilao home was one of many buildings left damaged by the storm's deluge. The storm, which is now a typhoon, was moving away from Guam yesterday.

Below: Fred Taimonglo, 58, of Agat points out erosion under his daughter's house to his friend Joseph Ada, left, 57, of Sinajana. Taimonglo's grandson Andre Rocio, 13, walks behind them at his Santa Rita home.

Residents cope with disaster



Above: Automobiles and a stairway lie in the mud yesterday after being washed away in a landslide on Cross Island Road in Santa Rita that was caused by the heavy rains dumped on Guam by Tropical Storm Tingling.



Landslide: Martin Sarapio, left, and other workers from Big Light Construction Co. inspect damage to a building in Santa Rita.



Below: Rainwater surrounds Nick Legaspi's Mangilao house yesterday. Legaspi had built a protective wall around his home because past storms have led to flooding in his property. But gushing water created by Tropical Storm Tingling's heavy rains broke through a section of the 8-foot-high wall, flooding the home and surrounding property.



Problems: Homes, roads devastated

Continued from Page 1

"We've been having typhoons and all that, and this thing never happened," said Fred Anderson, 56, a shipping clerk for Raytheon. "I wish somebody can explain this, because I have no idea where this thing started."

"This is terrible," said his wife, Roxa, who was crumpled by relatives yesterday morning as she talked about what happened to her home. "For now, I guess I'm going to have to stay at my daughter's house. We're not allowed to stay in here because it's not safe."

Fred Anderson said he plans to rebuild on the same spot.

"I guess I have to, because this is the only house we got," he said. "My God, I hate to see something like this go to waste. We worked so hard to build this, and then something like this, in a matter of a day it looks like it's all gone. Starting a new life again — it's hard."

Road collapse

Near Southern High School in Santa Rita, a pickup crossing a flooded section of Juan P. Perez Drive stopped after its tires started to sink in the pavement. The four occupants bailed out before the road collapsed and swallowed the front end of the vehicle. Residents say a nearby bridge has been blocked with vegetation, leaving the Nani River with nowhere to flow, so it flooded and destroyed the road.

Lilia Cruickel, 67, who lives down the road, said she reported the debris to the mayor's office, but was told there was no backhoe available to clear it. Cruickel and neighbor Anaceli Balena, 71, were at the broken section of road yesterday, where they met the courier who delivers their meals.

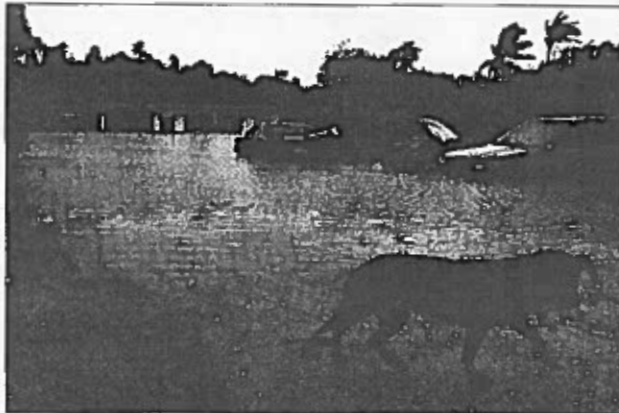
Landslides

Andre Roca, 13, said his family heard a noise in the middle of night on Sunday.

"So the next morning we looked out the window and the ground was down," Roca said.

The hill behind their Santa Rita house along Chus Island Road had collapsed, taking a couple of parked cars with it to the bottom of the ravine. Broken pipes jutted out of the hillside.

It was the second landslide for one of the cars, according to neighbor Felix Paule. The first time was a couple of years ago during Super Typhoon Pongsona, when a small hill in front of the house gave way



Mosko Watanabe/Pacific Daily News/mwatanabe@guampdn.com

Flooded: A dog walks past Tony Quinene's Yona house where rainwater sits halfway up the height of the front door yesterday.

and slid into it, he said.

Rick Calvo wasn't aware anything had happened Sunday night until he went into his back yard yesterday and discovered a significant chunk of the hillside had fallen into it, including part of an access road.

In the middle of the mud pile, a bent oak tree, still standing, had moved halfway across the yard to his house.

"We're trying to clean it out as much as we can and hopefully we can get some assistance," he said, as men with shovels cleared mud away from the back wall of his house.

The workers were brought by neighbor Henry Simpson, who owns several houses above the Calvo property, including one left partly hanging over the eroded hillside. "The house itself should be OK because the backside is on rock," Simpson, 56, said, adding that the foundation had been reinforced. "We never expected anything like this to happen, though."

Flooding

The Quinene family, whose flooding problems in Yona were described in a story published in the Pacific Daily News earlier this year, were flooded again on Sunday.

The family has said a nearby subdivision, which raised the ground level, has increased the amount of

SHAKE YOUR EXPERIENCE

Do you want to share your storm story? Do you want to share your photographs? Did a neighbor, friend or complete stranger come to your aid during the onslaught of Tropical Storm Tinging? We want to hear from you. Give us a call, tell us your story and send your photos to share your experience with other readers. Send your story and/or photos with your name, village and contact information for verification. Send your story and photos by:

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FOR MORE INFO

▲ For more information, call 477-9711 ext. 414.

flooding on their property, but family members declined to comment on that issue yesterday.

Tony Quinene, 64, said the water started to flood his carport Sunday morning, and by Sunday evening there was several feet of water in his house.

The weak spot in Mangilao resident Legaspi's wall was the lane gateway, which is blocked by a small dirt hill that allows cars to enter but which is supposed to keep water out.

"The water just tore it open and the flood gates just came through," he said.

Legaspi, 38, who is a major in

the Army National Guard, said the area never flooded until a neighbor built a raised road that prevents water from draining.

In addition to the protective wall, Legaspi said he enclosed his patio and carport, leaving only two doors to the house and less water for water to get in. The current wall is the second version, because the first was too short to prevent flooding during Super Typhoon Pongsona.

"It's just disheartening," he said. "We wanted to save the house, and now we're faced with a big decision as to whether to keep the house or something with it. We're trying hard, trying not to be discouraged."

How satisfied are you with the performance of the members of the Consolidated Commission on Utilities since they took office?

Very satisfied 4.2%
Satisfied 10.2%
Somewhat satisfied 14.4%
Not satisfied 71.2%
Total votes: 116
as of 8 p.m. June 28

Local news

Essential personnel must report for duty

The Commander, U.S. Naval Forces Marianas and Commanding Officer, Support Activity Marianas, have announced that all essential personnel should report to Naval Base, Guam, today during their normal working hours.

Budget hearings to continue today

Legislative budget hearings will continue today with the Department of Education first up to bid. Guam Community College is scheduled for 2:30 p.m., and at 3:30 p.m., administrators from the Guam Public Library will meet with the committee.

Pacific Daily News

WEDDING JOURNAL

▲ The winner of this month's wedding journal will be announced in tomorrow's Pacific Daily News. A winning couple was to be announced today, but space limitations because of news coverage of Tropical Storm Tinging have pushed publication back until tomorrow.

Clearing the record

We care about accuracy. If you would like to clear the record, call the Pacific Daily News at 477-9711, ext. 414.

Pacific Daily News

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To place a paid obituary, rosary or memorial, call 477-9711, ext. 219. For a free news obituary, call 477-9711, ext. 404.

By Susan Tuesday, June 29, 2004 guampdn.com



Masaka Watanabe/Pacific Daily News/mwatanabe@guampdn.com

Traffic Guom Police Officer J.C. Oriola, 24, gestures motorists to slow down at a flooded section of Route 4 near the Pago Bay Bridge yesterday. Police were directing traffic so vehicles were moving in one direction at a time in the middle of the road, where water was relatively shallow.

GovGuam

Gov. Felix Camacho declared the island in a state of emergency and assured the island yesterday morning to see the damage firsthand. He visited flooding victims in Agaña, residents in flood-ravaged Merizo, toured the Uguu Water Treatment Plant and met with families in Barrigada and Mangilao who were hit hard by the heavy rains and floods.

"The worst is behind us," Camacho said in a release. "I am very concerned about the damage the island received from Tropical Storm Tingting and we cannot ignore the work to mitigate the issues that were brought to light from this storm."

Guam's spokesman Shawn Gumatiao said they will seek federal assistance.

"The governor is going to make an assessment. And

based on his assessment, we'll see what will be the next action we take as a government moving forward," Gumatiao said. "Will it be using local funds to address these issues with the flooding or will we seek federal assistance?"

Camacho had ordered all essential GovGuam employees to report to work and directed all other government agencies to close yesterday. The GovGuam agencies, however, are scheduled to be open today, Gumatiao said.

Eight schools also will be closed today. Simon Sanchez High School, F.B. Leon Guerrero Middle School, Asuncion Elementary School and Machanarro Elementary School will be closed because hundreds of people have sought shelter at these schools, Gumatiao said.

F.Q. Sanchez Elementary, Inarajan Elementary, Inarajan Middle and Merizo Elementary schools also will be

closed today because they have no water, he added. All other schools that offer summer school classes will be open today.

Power

The power to southern villages was knocked out as Tingting passed near Guam, but Guam Power Authority spokesman Art Perez said last night that they were able to restore power to parts of Agaña and Santa Rita, and from Yona to Inarajan.

By 2 p.m. yesterday, GPA crews were able to repair a transmission line that ran from Manenggon all the way to the Tablado substation.

He said there also were pocket areas throughout the island without power because of transformer problems or lines were in contact with vegetation. The Wuestig and Machanarro area in Dededo also were reportedly without power at 7:40 p.m. after a line reportedly went down in that

area, Perez said. "Right now, we are following the same plan we had (Sunday). We are divided up into the northern, central and southern sectors. Our challenge is to get major transmission lines that are down to get them up so we can energize more circuits."

Perez could not say how long it will take to fully restore power. He said the crews will continue to work as long as weather conditions permit. He said another challenge crews face is impassable roads.

"It is pretty hazardous out there right now," Perez said. "The gusts alone are up to 50 mph. But we are still out there. We are still doing the work that needs to be done."

Residents also can expect to continue experiencing power fluctuations as the power system stabilizes, Perez said.

Water

The Uguu Water Treatment Plant that was down Sunday was back on line yesterday, according to Guam Waterworks Authority spokesman Patrick Lujan.

Heavy rains had clogged the intake valves that carry water from Uguu. This affected water service to villages from Ipan, Talofofo to Umatac, Lujan said. Lujan said the valves were unclogged yesterday. Low-lying areas were expected to receive water last night and elevated areas will get water today.

He said crews yesterday were working on a main break on Route 17 Cross Island Road affecting Apra Heights, Lujan said residents in Apra Heights will not have water until late this afternoon.

Other areas, including Windward Hills, Talofofo and Pagat, Mangilao, experienced low to no water pressure because of the "power situation," Lujan said. He said the water problems will improve

when the power stabilizes. "We can't rely on generators because it is only a matter of time before generators have to shut down because of overheating," Lujan said.

Meanwhile, water tankers are available in the following areas: near Tika's Bakery in Apra Heights, the Santa Rita mayor's office and Anguaco Street in Asan.

Roads

The Department of Public Works is assisting with landfills and clearing roadways, Gumatiao said. Several roads were flooded yesterday including:

- ▲ Sunny Memorial Road in Santa Rita
- ▲ Route 4 in Merizo
- ▲ Maimai Road in Chalan Pago

- ▲ Pago Bay
- ▲ Marine Corps Drive near Pularis Point
- ▲ Near Pajua Huel in Tumon

Shelters

As of yesterday afternoon, there were 542 people in the shelters. Late Sunday night, F.B. Leon Guerrero Middle School was filled to capacity with 211 people, Gumatiao said. Northern residents were being detoured to Machanarro and Asuncion Elementary schools.

"The common areas of the schools are being used. The gym and cafeteria are being used as the shelters. They are trying to maximize the square of classrooms that are being used," Gumatiao said.

Carnival

The Liberation carnival is scheduled to resume tomorrow at the Paseo grounds in Hagåtña.

The annual carnival was shut down for a few days because of the storm, and several booths were damaged, according to Terry Lamurena, the chairman of the 60th Liberation Day Committee.

Rescue officials respond to dozens of calls for help

By Theresa Merto
Pacific Daily News
merto@guampdn.com

One man was swept over the reef in Tumon and another man remained in very serious condition yesterday after he was partially submerged in water while driving near Ylig Bay.

These were among the dozens of rescue operations that took place from Sunday through yesterday as Tropical Storm Tingting, which is now a typhoon, made its way past Guam. Governor's spokesman Shawn Gumatiao said during a media briefing yesterday that within a 12-hour span on Sunday, rescue officials responded to about 25 calls from residents asking for assistance because of weather-related floods and landslides.

Around 5 p.m. Sunday, the Guam Fire Department received a call of a

reported cardiovascular emergency, or CPR, in progress at Chalan Agaña, a road near Ylig River and leading to Manenggon, according to firefighter Phyllis Blas, GFD spokeswoman. She said when rescue units arrived at the scene, CPR was being performed on the man, whose name has not been released.

Blas said she could not disclose what type of injuries he sustained or what type of illness he suffered. He was taken to Naval Hospital where he was listed in very serious condition yesterday, according to Ensign Jeremy Wilkinson, Naval Hospital public affairs officer.

Terry Oulka, the administrative assistant at the Yona mayor's office, said they also received a call late Sunday afternoon requesting help. Oulka said when he arrived at the scene, the man was in his Toyota

Land Cruiser.

"He was still in the truck trying to get out," Oulka said. "There were people trying to help him pull his truck out."

He said the water from the Ylig River had flooded Chalan Agaña and the sport utility vehicle had stalled in the water, which was several feet high.

"You can still cross the (Ylig) bridge, but right when you pass the bridge, that is where the water was high," Oulka said. Several people were assisting the man, who was the lone person in the Land Cruiser, Oulka said.

"We had to call 911," Oulka said. "He needed medical attention."

Ralph Guerra, 31, of Yona was one of the many people who assisted the man. Guerra said when he got to the site, CPR was being performed

but the man was not responding.

"The current was flowing, the truck got stuck and he couldn't drive out," Guerra said. "I don't know what happened, but there was a lot of people there helping."

Search continues

Meanwhile, search-and-rescue units spent yesterday looking for a man who was swept over the reef at Ypao Beach in Tumon.

A woman staying at the Hilton Guam Resort & Spa was in her room when she saw a man walking along the beach, according to Lisa Putnam, a U.S. Coast Guard search-and-rescue specialist.

"He got in trouble with the surf and was pulled out," Putnam said. "She saw his head bubbling in the surf and realized he was in trouble." The woman went to the front

desk and called the Coast Guard around 8:24 a.m., Putnam said. Guam Fire Department rescue units 1, 2 and 3, Guam Police Department Tumon Beach patrol and the Navy HC-5 helicopter squadron were involved in the search.

Putnam said there were at least two eyewitnesses.

"GPD located a second witness down at the park, (who) saw somebody depart a vehicle and walk down along the cliff line by the Hilton, to the area where the first eyewitness saw the individual go over the reef," Putnam said. He said they recorded 15-foot waves along the area where the man was swept over the reef.

As of 6 p.m. yesterday, the man had not been found, Blas said. Search-and-rescue officials are expected to continue looking for the man today.

Victims of floods still in shelters

By Oysel Ngairirik
Pacific Daily News
oyselngairirik@guampdn.com

Around 11 p.m. Sunday Doreen Gogue drove through the torrential downpour, braving winds that gusted to nearly 50 mph to get her family to the safety of a shelter.

"I was worried about my two youngest children," Gogue said, pointing to 8-year-old Doreen and 6-year-old Jael, who she said were traumatized by 2012's Super Typhoon Hunguana.

Jael gets scared when it rains hard. Doreen is scared of the noise that made when the wind rages the tin (panels) on the roof," Gogue said. As Tropical Storm Tingting's winds grew stronger and the banging got louder, Doreen covered her ears and ran into the bedroom "and wouldn't come back out. My poor baby was too frightened to come out of the bedroom."

After reaching Astumbo Elementary School, her family joined nearly 100 other people who already made their temporary sleeping quarters at the school's cafeteria.

The island's leadership spent most of the weekend trying to determine when to close the shelters.

As of 5 p.m. yesterday, officials said Astumbo Elementary, Simon Sanchez High, F.B. Leon Guerrero Middle and Machananao Elementary schools will remain open as storm shelters, so they will have summer-school classes.

F.Q. Sanchez Elementary, Inarajan Elementary, Inarajan Middle and Merizo Elementary schools



Victor Conzaga/Pacific Daily News

Refuge: P.J. Perez, 4, and Doreen Gogue, 8, check on 10-month-old Aaron Gogue yesterday as they sit with their family at Astumbo Elementary School in Dededo, where they have taken refuge in the aftermath of Tropical Storm Tingting.

TO THE POINT

▲ Four DOE schools remain open as shelters.

also will be closed today because they have no water, said governor's spokesman Shawn Gumataotao.

All other DOE schools that have summer-school programs will be in session today, said DOE spokeswoman Gerry Cruz. He added that summer schools will make up for lost instructional time by extending the programs.

Gumataotao said there are a few families who remain at Harry S. Truman Elementary School in Santa Rita. The families and the students will be in different areas of the school.

"This situation is different from a lot of previous typhoons and storms because we usually open shelters at Condition 2," Gumataotao said. "But in this case we opened them on Condition 3 because of the major flooding through out the island."

Gumataotao said the shelters are available to families displaced by the storm, but the goal is to help families find a suitable place to live.

Gumataotao said Guam Housing and Urban Renewal Agency employees are distributing emergency housing applications at the shelters.

"People who live in substandard housing and need a place to stay can call 475-9851 and ask about the GHURA emergency-voucher program," Gumataotao said.

Gogue said her wooden-and-tin home in Sagun Lirahyan, Dededo, weathered well through Tingting. "There's a lot of water, so we need to clean things up and get things dry, but I think we're OK," Gogue said with relief.

Across the cafeteria, Kathleen Brumit, 25, was anxiously awaiting word about her home in Dededo. She shares her residence with her brother and sister-in-law and their families.

"My sister-in-law went

WHAT'S OPEN

▲ University of Guam. ▲ Guam Community College.

▲ Most Department of Education summer-school programs are open today, with the exception of Simon Sanchez High and F.B. Leon Guerrero Middle schools, and Machananao and Astumbo elementary schools. F.Q. Sanchez Elementary, Inarajan

Elementary, Inarajan Middle and Merizo Elementary schools also will be closed because they have no water.

WHOM TO CALL

▲ Department of Education summer school, call your child's respective school. ▲ Summer camp programs, call your respective camp coordinators.

Representatives from The Salvation Army, the Ayuda Foundation and Catholic Social Services could not be reached for comment as of press time.

Volunteers needed
Volunteers also may be needed in Saipan and other islands in the Commonwealth of the Northern Mariana Islands, but assessments need to be conducted after Tingting, which is now a typhoon, moves out of the area.

Blaise encourages residents adversely affected by the damaging rains and winds to call their office, and anyone interested in volunteering also can call.

"We always need volunteers," Blaise said. "At times like this, we need assistance."

Blaise said the chapter has been calling about 150 trained disaster volunteers around the island. She also noted that the assessment shouldn't take more than a day.

The Red Cross, an international nonprofit organization, provides food, bedding, clothing and other basic necessities to people affected by disasters. The organization is

damage assessments

By Gene Park
Pacific Daily News
gpark@guampdn.com

Residents can expect to see American Red Cross volunteers conducting damage assessments this morning after Tropical Storm Tingting soaked the island.

Chris Blaise, executive director of the local chapter of the American Red Cross, said she expected a damage assessment of the island to begin this morning, and that assistance should be ready soon.

"We have not done any damage assessment yet because of the strength of the winds (yesterday)," Blaise said. "But we will begin assessment at 8 a.m. around the island."

Blaise said the chapter has been calling about 150 trained disaster volunteers around the island. She also noted that the assessment shouldn't take more than a day.

The Red Cross, an international nonprofit organization, provides food, bedding, clothing and other basic necessities to people affected by disasters. The organization is

issuing vouchers for residents to take to local stores to buy necessities. The organization gave the community more than \$18 million in the aftermath of Super Typhoon Pongsona in 2002. Assistance will be in the form of vouchers, but other forms of assistance will be determined after the assessment, Blaise said.

Representatives from The Salva-

TO THE POINT

▲ The American Red Cross begins its damage assessment today.

WHOM TO CALL

▲ To seek assistance, donate or volunteer for the American Red Cross, call 472-6217.

Other nonprofit organizations that assist after a disaster:

▲ Catholic Social Services: 477-6119

▲ The Ayuda Foundation: 473-3005

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GuamHomefinder.com

Farmers cite devastating crop losses

By Katie Worth

Pacific Daily News
kworth@guampdn.com

Tropical Storm Tingting handed Guam's farmers devastating losses this week, with most reporting 100-percent crop damage.

However, some farmers will be eligible for a federal farmer's compensation program started this year, said agriculturalist Pete Terlaje of the Guam Department of Agriculture. He said that the U.S. Department of Agriculture Farm Service Agency recently implemented the Non-Insured Crop Disaster Assistance Program in Guam, a program that will compensate farmers for their crop losses associated with acts of God. Only those who already have signed up for the program will be eligible for damage associated with Tingting, he said.

Terlaje estimated that Guam farmers probably sustained about 90-percent damage to their crops because of the rains and winds. He said those who had younger crops generally lost everything.

Partner Ernie Wussig, whose primary crop is corn, said he counts among those who lost everything.

"It's a total loss," he said. "Before the tropical storm, we'd had about two weeks of bad weather, but the storm that just went through wiped it out. I've got about four acres of corn down the drain."

Nonetheless, he said, he's keeping a good attitude about it.

"Well, nobody asked me to be a farmer. When Mother Nature comes, we just have to be content," he said with a sigh.

Wussig said that with heavy rains or storms, not only do the crops suffer weather damage, but diseases become more rampant.

FARMER MEETINGS

▲ The Farm Service Agency will hold the following meetings for farmers: 6 p.m. July 7 at the Odoedo Community Center; 6 p.m. July 8 at the University of Guam College of Natural and Applied Sciences Building, Room 127, in Mangilao; and 6 p.m. July 9 at the Inarajan Community Center. The Non-Insured Crop Disaster Assistance Program will be discussed. Call Tom Caracho at 472-7561.

INDEX

GOLD: Gold closed at \$402.95 yesterday and closed at \$402.05 Friday.
NIKKEI: The Nikkei Stock Index rose 103.46 points yesterday, to close at 11,884.04.

The dollar was trading at 107.77 yen to the dollar in Tokyo yesterday.

Thousands wait for flights

By Katie Worth

kworth@guampdn.com
and Oyaol Ngirairiki
Pacific Daily News
ongirairiki@guampdn.com

Thousands of air travelers were stranded on Guam waiting for flights to take them to their destination yesterday, while thousands more were stuck elsewhere waiting for flights to bring them to Guam. Dozens of arriving and departing flights were canceled or delayed on Sunday and Monday because of the torrential rains and winds associated with Tropical Storm Tingting, which is now a typhoon.

Still other flights were diverted to Saipan or to Manila after being unable to land at Guam's Antonio B. Won Pat International Air Terminal.

Most of the larger commercial airline flights began arriving and departing again yesterday afternoon, and travelers began to filter on and off the island. Several airlines said they had scheduled extra "rescue flights" to accommodate the thousands of stranded travelers. Air travel is expected to return more or less to normal by this afternoon.

The airport itself sustained some minor water damage during the storm, said airport Executive Manager Jesus "Jes" Queneo Torres. Though he said that many signs around the airport had been damaged, he said the airport's perimeter fence remained standing through the storm, so the airport remains in compliance with federal safety standards.

Continental Micronesia, the continental airline with the most flights on and off the island, was forced to cancel several flights on Sunday and Monday, and to reroute another five to airports in Saipan, Manila and Palau, said Continental Sales and Marketing Manager Lou Sanchez.

As of about 5 p.m. yesterday, a total of 1,000 Continental passengers were on Saipan waiting to come to Guam, Sanchez said. She said the airline was beginning to send a series of extra flights to transport those travelers to Guam.

Other airlines whose schedules were affected by the storm were: Japan Airlines, which canceled four inbound and four outbound flights Sunday and Monday, and which expected to send two extra rescue flights to Guam today to pick up the outgoing passengers that had not been able to leave; Northwest Airlines, which canceled one inbound and one outbound flight from Japan to Saipan; and another flight from Saipan to Japan.

▲ Pacific Island Aviation, which canceled all flights to and from Saipan Sunday and yesterday and may delay flights today depending on weather.

▲ Asia Pacific Airlines, which canceled cargo flights into and out of the island Sunday and Monday.

▲ Freedom Air, which canceled all flights between Guam, Saipan and Tinian Sunday and Monday.

▲ Korean Air, which had a 21-hour delay in their incoming and outbound flights from Seoul yesterday; and

▲ All Nippon Airways, which had about a 15-hour delay for their inbound and outbound flights to Japan.

Northern Philippine Airlines and China Airlines had flights scheduled during the storm, so their schedules were not affected.

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Yukiko Chan, 36, a clerk with the Nippon Travel Agency near dusk staff at the Outrigger Guam Resort, said many of the stranded tourists have been understanding of the situation.

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Tues. Tuesday, June 29, 2004 guampdn.com

Private sector gets back to business

By Gene Park

Pacific Daily News
gpark@guampdn.com

Despite wet carpets, tony employees and bored tourists, it was business as usual for Guam's private sector in the wake of Tropical Storm Tingting. Several of the island's businesses opened their doors yesterday as Tingting, which is now a typhoon, left the area.

With the onset of the storm season, Tingting served as a good wake-up call for the private sector, some business operators said, particularly the visitor industry.

"Obviously, some flights were canceled, which meant that visitors couldn't go home, and we didn't have any new visitors arriving," said Manfred Pieper, Hilton Guam Resort & Spa general manager. "It just served as a reminder on how vital our industry is in this place of nature."

The hotel held up well with the onslaught of rain and winds over the weekend. The situation is a stark contrast to 2002's Super typhoon Pongsona, which took one restaurant and hundreds of rooms out of commission at the Hilton.

Tingting nicked Hilton with some slight water damage around the public areas and caused two functions to be canceled. But besides excusable troubles due to adverse road conditions, Pieper said hotel operations otherwise went without a hitch.

Pieper, who's also chairman of the Guam Hotel and Restaurant Association, said he doesn't believe the storm would affect the image of Guam, which already has a reputation of being storm-prone.

"Our experience in general is that they forgive and forget," Pieper said. "There's nothing anybody can do about Mother Nature."

The beauty of disaster is what the U.S. Explorer & Study Inc. hopes to capitalize on, despite having lost at least one day of business as a result of the storm. The company takes tourists on boogie stumps through Guam's jungles.

"We had to turn away some customers," said Ken Haga, the company's president. "I cannot take them outside because I don't feel confident we can keep them safe."

But Haga, whose Tumon office was carpeted with newspapers because of leaks, said he believes visitors will appreciate something different in witnessing Mother Nature's handiwork. Tours are held in the billy area, including Namiz Hill, which suffered severe landslides.

"My office (that is wet, but it's good anyway)," Haga said. "I would like to show the visitors nature in its natural state, rain or shine."

Cecile Bazelin Sada, public relations manager for Mobil Oil Guam, said safety checks were conducted for all their facilities and retail sites, and general operations have returned to normal.

"We are currently maintaining our facilities in the (Commonwealth of the Northern Mariana Islands)," Sada said.



Victor Contreras/Pacific Daily News

Tumon's tourists in Tumon walk in storm-force winds yesterday after Tropical Storm Tingting, which is now a typhoon, moved away from Guam.

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A huge fire erupted at Mobil's fuel tank farm during Pongsona and burned for several days, dealing a huge blow to Mobil and island operations as a result of the following island-wide gasoline shortage.

Frustration

The Guam Reef Hotel also emerged from the storm relatively unscathed, except for a handful of room numbers because of window leaks. The biggest frustration for the hotel was distributing information from the airlines to the guests.

"We kept calling the airlines, and sometimes they wouldn't answer," said Shigeharu Toyama, acting operations director for Guam Reef Hotel. "We even went to the airport and they couldn't give us information."

Toyama said the wrong flight information also was given to them. He hopes there could be one consolidated office or position to relay information between the airlines and the hotels during times of disaster.

"Maybe it's something the Guam Visitors Bureau can handle, but we need the exact and correct information," Toyama said.

Regular day

But everything was all good in at least one small grocery store in Windward Hills.

"Just a couple of leaks in the roof," said Ken Ada, who works at the family-run Mini Camsachile Tree Store. "We're selling a lot of ice, water and just the basic necessities lately."

Tingting at least left the store with its tin roof. Pongsona blew the last one away, and since they only leave the building, the only replacement they could put up was another tin roof.

"I guess this new one is holding up," Ada said. "We did pretty good. Island power came back pretty quick, and we just needed to mop up a little bit. It's just another regular day."

Tropical storm Tingting

Frank Roberts and Mark Saunders

Emergency:

Tropical stor

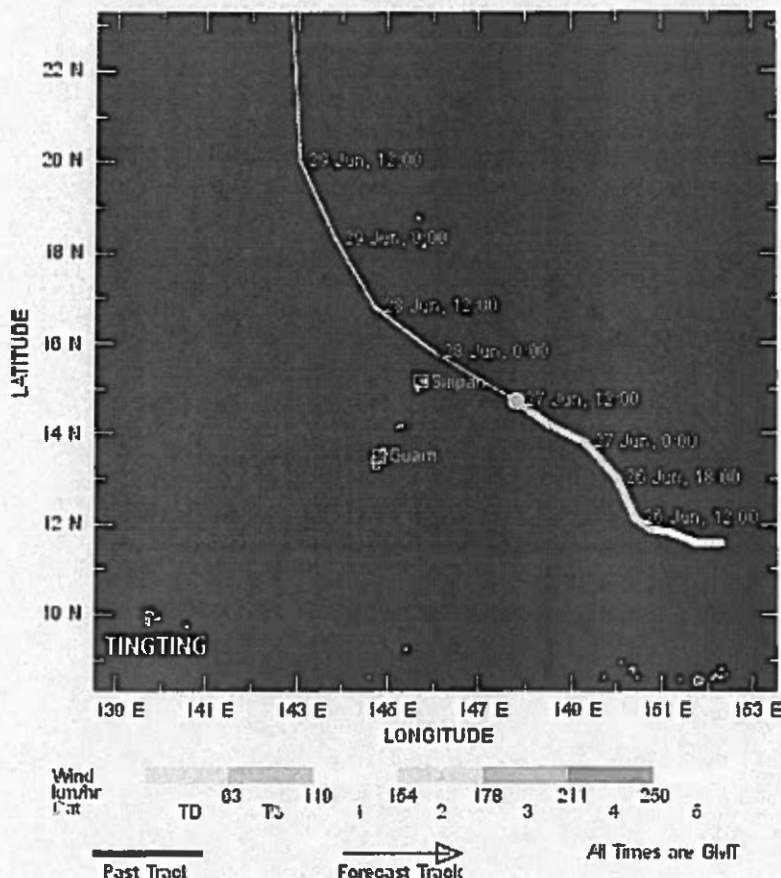
NGO latest

Swift action
catastrophe
Democratic
Congo
Christian A

Rwanda: We
Destruction
saving tool
Health Unli

CrisisWatch

ICG - Belgi



Track and windspeed of Tropical storm Tingting

Website: <http://www.tropicalstormrisk.com>

LOW GRAPHICS

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ACT/Caritas: Sudanese
refugees struggle to
survive

Tropical storm Tingting is forecast to strike the Northern Mariana Islands as a typhoon at about 00:00 GMT on 28 June. Data supplied by the US Navy and Air Force Joint Typhoon Warning Center suggest that the point of landfall will be near 15.8 N, 146.0 E. Tingting is expected to bring 1-minute maximum sustained winds to the region of around 120 km/hr (74 mph). Wind gusts in the area may be considerably higher.

According to the Saffir-Simpson damage scale the potential property damage and flooding from a storm of Tingting's strength (category 1) at landfall includes:

- Storm surge generally 1.2-1.5 metres (4-5 feet) above normal.
- No real damage to building structures.
- Damage primarily to unanchored mobile homes, shrubbery, and trees.
- Some damage to poorly constructed signs.
- Some coastal road flooding and minor pier damage.

There is also the potential for flooding further inland due to heavy rain.

The information above is provided for guidance only and should not be used to make life or death decisions or decisions relating to property. Anyone in the region who is concerned for their personal safety or property should contact their official national weather agency or warning centre for advice.

This alert is provided by Tropical Storm Risk (TSR) sponsored by Benfield, Royal & SunAlliance, Crawford & Company and UCL (University College London).

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