

Typhoon Matmo Disaster Response Reports — 3rd Report

Central Emergency Operation Center

Data as of 11:00 2014/07/23

1. Typhoon Summary (Data source: Central Weather Bureau)

The Central Weather Bureau (CWB) issued a sea and land warning for Typhoon Matmo at 02:30 on July 22, 2014. At 10:00 on July 23, the center of the typhoon was at north latitude 24.4 degrees and east longitude 119.5 degrees, over the sea around 120 kilometers WNW of Taichung. The Force 7 storm circle has a radius of 200 kilometers and the Force 10 storm circle a radius of 80 kilometers. The typhoon center is moving at 20kmh in NW direction turning NNW. The latest data shows that the typhoon is moving NNW and that the storm circle remains over the whole of Taiwan and also Penghu, Kinmen and Matsu and wind and rain are continuing all over. Torrential rain and strong winds should be guarded against across Taiwan (including Green Island and Orchid Island) and Penghu, Matsu and Kinmen. Winds remain strong and rain heavy across Taiwan. Items hung outdoors, signs, fences and scaffolding should be secured, potted plants on balconies placed in a safe place and drains should be cleared. People in mountain areas should strictly guard against slope collapse, rock falls, debris flows and mountain torrents, and people in low-lying areas strictly guard against flooding and sea water intrusion. People should watch out for flashfloods and stay away from mountain areas and rivers. Waves are large size in all coastal areas so the public is advised to stay away from the seashore and avoid water activities. There will be partial torrential rain or extremely torrential rain in the center and south and in mountain areas in the north; there is a chance of very heavy rain or torrential rain in Yilan and Hualien, the mountains of Taitung and flat areas of the north, and the chance of heavy rain or torrential rain in Penghu, Kinmen, Matsu, and flat areas of Yilan, Hualian and Taitung.

2. Disaster Information

A. Cumulative Rainfall (Data source: Central Weather Bureau)

(Statistics from July22, 2014 00:00am ~ July 23, 2014 9:00am)

Area	Cumulative Rainfall(mm)
Hualien County , Xiulin County, Cien	580
Hualien County , Xiulin County, Buluowan	537
Yilan County, Datong Township, Mt. Taiping	534
Hualien County, WanrongTownship, Hongye	522.5
Hualien County, Yuli Township, Yuli	492.5
Taitung County, Donghe Township, Donghe	483
Hualien County, GuangfuTownship, Danong	467.5
Pingitung County, Chunri Township, Mt. Dahan	434

B. Wind speed (Data source: Central Weather Bureau, Department of Transportation and Communication)

Area	Gusts (Force)
Taitung County, Lanyu Township, Lanyu (Orchid Island)	17
Taitung County, Chenggong Town, Chenggong	15
Keelung City, Zhongzheng District, Pengjiayu	13
Penghu County, Magong City, Magong	13
Hualien County, Hualien City, Hualien	12
Yilan County, Suao Town, Suao	12
Taoyuan County, Xinwu Township, Xinwu	11
Keelung City, Zhongzheng District, Keelung	11
Penghu County, Xiyu Township, Dongji Island	11

3. Disaster Response:

A. Number of city-county emergency operation centers established

(Data source: National Fire Agency, Ministry of the Interior)

Type	Number of EOC Established	Location
County/City	22	Level 1: Taipei City, New Taipei City, Taichung City, Tainan City, Kaohsiung City, Taoyuan County, Miaoli County, Nantou County, Changhua County, Yunlin County, Chiayi County, Pingtung County, Yilan County, Hualien County, Taitung County, Penghu County, Kinmen County, Lianjiang County, Keelung City, Hsinchu City, Chiayi City Level 2: Hsinchu County
Port	4	Level : Keelung Port, Taichung Port, Kaohsiung Port, Hualien Port

B. Danger area establishment situation

(Data source: National Fire Agency, Ministry of the Interior)

City/County	Number of danger areas					Implementation situation	
	Low-laying area	Mountain	Sea	River	Others	Warning issued	Penalty notice issued
Taipei City	0	0	0	0	0	0	0
New Taipei City	0	1	5	8	12	5	0
Taichung City	0	5	6	19	0	0	0
Tainan City	0	17	6	0	0	0	0
Kaohsiung City	0	1	1	5	0	11	0
Taoyuan County	0	1	4	0	0	0	0
Hsinchu County	0	3	2	5	0	0	0
Miaoli County	0	4	9	3	39	0	0
Nantou County	0	275	0	73	249	0	0
Changhua County	0	7	23	0	0	0	0
Yunlin County	0	13	13	0	0	0	0
Chiayi County	0	6	3	27	0	0	0
Pingtung County	0	8	2	15	0	0	0
Yilan County	0	143	5	59	12	0	0
Hualien County	0	25	18	69	167	0	0
Taitung County	16	16	11	165	0	0	0
Penghu County	0	0	6	0	0	0	0
Kinmen County	0	2	6	0	0	0	0
Keelung City	0	3	1	15	0	0	0
Hsinchu City	0	0	7	1	0	0	0
Chiayi City	0	0	0	2	1	0	0
Total	16	530	128	466	480	16	0

C. Mudslide danger area distribution situation

(Data source: Soil and Water Conservation Bureau, Council of Agriculture, Executive Yuan)

County/City	Mudflows and Landslides Alert Areas								
	Yellow Alert			Red Alert			Total		
	Potential mudslide rivers	Township Located	Village Located	Potential mudslide rivers	Township Located	Village Located	Potential mudslide rivers	Status	
Taipei City	0	0	0	0	0	0	0	0	null
New Taipei City	0	0	0	0	0	0	0	0	null
Taichung City	42	1	7	0	0	0	42	0	null
Tainan City	0	0	0	0	0	0	0	0	null
Kaohsiung City	48	4	17	33	3	11	81	0	null
Taoyuan County	30	1	10	0	0	0	30	0	null
Hsinchu County	41	2	11	0	0	0	41	0	null
Miaoli County	0	0	0	0	0	0	0	0	null
Nantou County	156	4	42	6	1	1	162	0	null
Changhua County	0	0	0	0	0	0	0	0	null
Yunlin County	0	0	0	0	0	0	0	0	null
Chiayi County	68	5	28	2	1	2	70	0	null
Pingtung County	13	2	8	0	0	0	13	0	null
Yilan County	125	6	44	0	0	0	125	0	null
Hualien County	130	12	52	37	6	13	167	0	null
Taitung County	138	10	51	0	0	0	138	0	null
Keelung City	0	0	0	0	0	0	0	0	null
Hsinchu City	0	0	0	0	0	0	0	0	null
Chiayi City	0	0	0	0	0	0	0	0	null
Total	791	47	270	78	11	27	869	0	-

Note: Response to alert

1.Yellow alert (predicted rainfall higher than the mudslide warning base value: local government should begin to persuade potentially at risk people to leave.

2.Red alert (actual rainfall reached the mudslide warning base value) : Local government should, in accordance with the actual rainfall and situation in each area, carry out forced evacuation.

D. Mountain climber contact

(Data Source: National Police Agency, Ministry of the Interior)

Date table made: July 23rd, 2014

Applied For Entering Mountain Areas	Persuaded to not Enter Mountain Areas	The Action for People Already Enter the Mountains				Have not Yet Been Contacted
		Already descended	Safe accommodation in mountains	Contacted and Sheltering on the Spot	Now descending	

Case	Person	Case	Person	Case	Person	Case	Person	Case	Person	Case	Person	Case	Person
705	5039	375	2357	326	2622	4	60	0	0	0	0	0	0

(Note: People who have not been contacted means the climbers have not contacted with rangers, family members, or police departments for more than 48 hours after entering mountain areas. This statistical data is filled in and reported by National Police Agency, Ministry of the Interior after collecting and arranging Ministry of Education, and Construction and Planning Agency Ministry of the Interior statistical data.)

E. Ensnoced Fishermen from Mainland China

(Data source: Council of Agriculture of Executive Yuan)

Time	Ensnoced on Boats	Ensnoced in Coastal Shelters	Total
2014/07/23 08:42	1024	205	1229

F. Cities/Counties where schools and offices have been closed

(Data Source: National Fire Agency, Ministry of Interior)

Work and school suspended in every county and city in Taiwan on July 23, 2014

4. Evacuation and Shelter Status

A. Evacuated people (Data Source: Department of Civil Affairs, Ministry of Interior)

Directly-controlled municipality/ City / County	Estimated number of evacuated people	Number of Evacuated People	Accumulative number of Evacuated People
New Taipei City	797	797	797
Yilan County	559	449	449
Taoyuan County	580	438	438
Hsinchu County	643	278	278
Miaoli County	528	528	528
Nantou County	266	251	251
Yunlin County	68	68	68
Chiayi County	293	293	293
Pingtung County	276	276	276
Taitung County	137	130	130
Hualien County	2873	1922	1922
Taichung City	60	75	75
Tainan City	74	74	74
Kaohsiung City	739	739	739
Kinmen County	6	6	6
Total	7899	6324	6324

B. Shelter situation

Shelter (Data Source: Department of Social Assistance and Social Work, Ministry of Health and Welfare)

99 shelters were opened and the accumulative number of sheltered people was 2804 people; at present 99 shelters are open and shelter 2608 people.

5. Disaster statistics

A. Death and injury (Data source: National Fire Agency, MOI)

County/City	Dead (person)	Missing (person)	Injured (person)	Note
Taipei City	0	0	5	1. At 22:43 on July 22, a taxi was hit by a falling tree in Shilin District, injuring the driver Zhou○Jin (58) and passenger Zhou○Shao. They were taken to Taipei Veterans' Hospital by ambulance; the driver was found to

				have a dislocated shoulder while the passenger had a head wound and abdominal contusion. Both were kept in hospital for observation. (two injured) 2. At 03:51 on July 23 a scooter rider and his passenger (Su○Ren [Male, 20]Ma○Jun [female, 19]) were knocked over by a fallen tree in front of No 1, Section 2, Heping West Road in Longguang Village, Zhongzheng District, suffering abrasions. Both went to Heping Hospital unaided. (two injured) 3.At 5:20 on July 23, Chen○ Hua (male, 68) was cycling along Lane 62,Guangfu South Road when he was blown off by a gust of wind. He was taken to Cathay General Hospital for treatment.(one injured)
Tainan City	0	0	2	1. At 08:14 on July 23 Kuo○Zheng(male,58) was hit by a falling shop sign in front of 96, Section 2, Ximen Road and suffered a broken left tibia. He was taken to General Hospital for treatment. (one injured) 2. At 07:59 on July 23 a woman, Wu ○ Zhen, (52) was injured by a falling tree in front of No. 5, Lane 116, Section 22, Xuimen Road. (one injured)
Chiayi County	0	0	1	At 08:21 on July 23, Weng○Yi (male) was crushed by a falling tree and was taken to Chiayi Christian Hospital by ambulance. (one injured)
Taitung County	0	0	1	At 07:01 on July 23, Huang○Rong (female, 58) was riding through Longchang Village, Donghe Township, Taitung County (heading in the Chengong direction on Provincial Highway 11) and hit the crash barrier when trying to avoid a fallen tree, suffering a head injury. She was taken to hospital by ambulance. (one injured)
Yunlin County	0	0	1	At 6:37 on July 23, Lin○Rong (female, 74)was crushed by a falling tree in front of Yuandong Rice Factory in Erlun Township, Yunlin County. She was taken by ambulance to the Yunlin branch of Changhua Christian Hospital. (One injured)
合計	0	0	10	-

Note:

- The media reported the case of a 67 year old man surnamed Weng who went into the mountains to collect medicinal herbs and had not been contacted for two days. Yilan Emergency Response Center said that this case was reported before the typhoon warning was issued so is not listed as a typhoon casualty.
- At 08:05 on July 22 Hualien County Fire Department received a report from the coastguard that a member of the public claimed to have seen a person jump into the waves and disappear at Qixingtang. The fire department dispatched 15 people and two boats and the coastguard 28 people and one boat and the search continues. This case is not been listed as a typhoon casualty at present.
- At 11:07 on July 22, a worker in Hukou Township, Chen○Qiang (male, 27,) was injured by falling scaffolding and was taken to Rensi Hospital in Hsinchu County, then to Linkou Chang Gung Memorial Hospital. As a work site accident this case has not been listed as a typhoon casualty.
- The media reported that a monk surnamed Su (male, 50) fell at 11.39 on July 22 when repairing the roof of a temple in Ruifang District, New Taipei City. This accident has not been included in typhoon casualties in the city.
- At 11:00 on July 22, a worker surnamed Zhong (male,42) was careless, fell from the third floor of a worksite at No. 12, Alley 76, Lane 600, Wuxing Street and was taken to hospital. This building site accident is not listed as a city typhoon casualty.
- ETV reported that a worker was injured by scaffolding blown by the wind from the fourth floor at 16:45 on July 22. Hsinchu City Fire said that worker Chen○Qing (male, 43) fell into a drainage channel at the worksite on Lane 15, Changchun Street and was pronounced dead on arrival. This building site accident is not listed as typhoon casualty by the city.
- iSET reported that a pig farmer had fallen into a slurry tank at 05:32 on July 23. New Taipei City Fire Department confirmed that Fang ○ Fu (male, 63) had drowned after accidentally falling into a slurry tank when inspecting his pig sheds. He was retrieved using a bamboo pole by relatives and pulled out with the help of fire department personnel. This accident is not listed as a typhoon casualty by the city.
- iSET reported that a man had fallen when inspecting his apartment's balcony at 5:32 on July 23. New Taipei City Fire Department said that a 75 year old man had fallen and been killed when repairing his balcony. This accident is not listed as a typhoon casualty by the city.
- iSET reported that a woman had fallen into Caogong New Irrigation Chanenl and was almost swept away at 05:36 on July 23. Kaohsiung City Fire Department said that Shi○ Mei, a 33 year old woman had slipped and fallen into the irrigation channel in front of No.1-66, Songpu Road, Niaosong District. She was rescued by local fire department personnel and taken to Kaohsiung Chang Gung Memorial Hospital where she regained consciousness after treatment. This accident has not been listed as a typhoon casualty by the city.

B. Lifelines Damage

(Data Source: Ministry of Economic Affairs, National Communication Commission)

Unit	Item	Number Affected	Has been repaired (household, location)	Waiting to be repaired (household, location)	Note
Ministry of	Tap Water	5413	4000	1413	1. Water supply to 213 households was suspended at 15:00 on July 22 when high river levels left the water

Economic Affairs				<p>intake of Lanyu's Hongtou Water Purification plant unable to take in water. Residents will temporarily use spring water.</p> <p>2.On July 23 power supply to Taiyuan, Shuimu and Chenggong water purification plants in Taidong was cut off and also Shuimu and Chenggong plant equipment malfunctioned. Water supplies were suspended in the Taiyuan, Changbin and Zhongyong areas at 06:30, affecting around 1000 households.</p> <p>3.Water supplies to around 4000 households were suspended after power supply was cut off to Yuli, Dongli and Mingli water purification plants in Hualien.Around 30 households have reduced water pressure. Supplies to around 200 households have been suspended due to high turbidity at Shoufeng Water Purification Pant. .</p> <p>4.Water supplies to 4000 households have been restored after power supply was restored to Yuli, Dongli and Mingli water purification plants in Hualien.Around 30 households have reduced water pressure.</p>
	Electricity	388021	296994	<p>91027</p> <p>Jinshan District, Xinyi District, Shuangxi District, Sungai district, Gongliao District, Rueifang district, Sanchi district, Zhongzheng District, Luzhu Township, Guishan Township, Taoyuan City, Daxi Town, Xinwu Township, Shulin District, Xinfeng Township, Jianshi Township, Xiangshan District, Wufeng Xiang, Hukou Township, Beipu Township, Fuxing Township, Xiaolin Township, Datong Township, Xinshe Township, Dongshi District, Heping District, Tianzhong Town, Dacheng Township, Liugui District, Houbi District, Jiaxian District, Meishan Township, Zhuqi Township, Lucao Township, Alishan Township, Gukeng Township, Zhongpu Township, Minxiong Township, Yujing District, Zuozhen District, Annan, District, Yongkang District, Xinhua District, Nanhua District, Tianliao District, Gushan District, Zutian Township, Caozhou Town Fangliao Township, Wanluan Township, Laiyi Township, Wandan Township, Nanzhou Township, Kanding Township, Taiwu Township, Xinpi Township, Fang Shan Township, Chunri Township, Shizi Township, Haiduan Township, Chenggong</p>

					Town, Changbin Township, Taimali Township, Taitung City, Luye Township, Peinan Township, Yanping Township, Luda Township, Lanyu Township, Chishang Township, Donghe Township, Jifeng Township, Guanshan Town, Guangfu Township, Shoufeng Township, Fengbin Township, Fuli Township, Zhuoxi Township, Yuli Town, Ruisui Township, Fenglin Town, Xiulin Township, Hualien City, Nanao Township, Chishang Township, Donghe Township, Toucheng Town, Datong Township, Sanxin Township, Luodong Town, Suao Town, Nanao Township, Dongshan Township, Zhuangwei Township, Yuanshan, Pinglin area, Wujie Township, Chiaohsi Township, Zhonghe District, Wenshan District, Shiding District, Xindian District, Shenkeng District, Pinglin District, Tucheng District, Pingxi District, Danshui District, Shihlin District, Neihu District, Sanxia District, Shulin District, Fenyuan Township, Zhongliao Township, Puli Town, Renai Township, Lugu Township, Xinyi Township, Guoxing Township, Xinshe District, Yuanlin Township, Nantou, Zhushan Town, Gukeng Township, Yuchi Township, Wufeng District, Heping District, Liugui District, Taoyuan area, Niaosong District, Dashu District, Renwu area, Gukeng Township, Citong Township, Douliou City, Zhushan Town, Xigang District, Madou District, Danei District, Beimen District, Gongguan Township, Dahu Township, Zhuolan town, Nanzhuang Township, Xihu Township, Tongsiao town
NCC	Telephone (Base Station)	119	8	111	Still to be repaired: Taichung City (4) Keelung City (6) New Taipei City (4) Yilan County (6), Taoyuan County (4), Hsinchu County (1) Miaoli County (1), Nantou County (4), Yunlin County (4), Hualien County (55) Taitung County (22)

C. Transport situation

1) Transport situation -Blocked roads and repair situation

(Data Source: Ministry of Transportation and Communications)

None

(2) Closed bridges (Data source: MOTC)

Item	Total Closed (Location)	Reopened (Location)	Closed (Location)	Noted
Provincial Highway	22	5	17	

(Self) Adopted County Road	1	0	1
Total	23	5	18

(3) Cancelled railway service (Data source: Ministry of Transportation and Communications)

NO.	Time and Date	Line	Service	Reason	Note	Time filled in
1	07/23 09:48	Neiwan Line, Liujia Line, Jiji Line, Shalun Line	Whole line	Service suspended	Service resumed at 12:00 on July 23.	07/23 10:00
2	07/22 21:38	Alishan Mountain Railway	All class of train	Service suspended	Suspended from 00:00 on July 23 to 24:00 on July 24	07/22 21:48
3	07/22 21:36	Pingxi Line, Shenao Line	Whole line	Service suspended	All services suspended until 18:00 on July 23.	07/23 09:53
4	07/22 21:35	Yilan Line, North Link Line	Whole line	Service suspended	From 12:00 on July 23 local trains flexibly operated when wind and rain allow.	07/23 09:47
5	07/22 21:34	South Link Line, Huadong Line	Whole line	Service suspended	All services suspended until 18:00 on July 23. (due to loss of track foundation in many places on the Huadong Line)	07/23 09:57
6	07/22 20:27	West Coast Main Line, Pingtung Line	All class of Trains	Service Resumed	All class of train began running again at 12:00 on July 23.	07/23 10:35

(3) Air flight and Sea Freight Cancellation Situation (Data Source: Ministry of Transportation and Communications)

134 flights were cancelled due to typhoon Matmo. (see attached table attachment)

D. Water control facility damage and repair (Data source: Ministry of Economic Affairs)

Type of Facility	Number Damaged	Repair Completed	Under Repair	Note
River Wall	0	0	0	07/23 10:03 A 150 metre section of levee crown and slope on Wanli Creek Xibao revetment was damaged by floodwater, with 300 metres of apron also lost. The open contract supplier was requested to carry out repair work; it is planned to place 500 five ton concrete blocks, with work expected to be completed at 15:00 on July 23.
Sea wall	3	0	3	07/22 21:24 Two places on the sea wall of Fugang Village on Provincial Highway 11 were found to be hollowed out, with the damaged places 10 meters and 30 meters wide, respectively; 1. Enquiries to the Eighth River Management Office revealed that the sea wall is a business type sea wall under the jurisdiction of the Directorate General of Highways. The Directorate General of Highways was notified and took remedial action by borrowing 60 10 ton wave break blocks from the Eighth River Management Office. Partial repair work was to be completed by 21:00. Repair work will continue tomorrow (23) after being halted due to darkness 2. The Directorate General of Highways is continuing to actively carry out repairs

6. City and County Emergency Operations Support situation

A. Rescue personnel equipment and mission execution situation
(Date source: Directly-controlled municipality/ City / County)

Personnel, Equipment, and Missions	Military Member	Firefighter (including volunteer firefighter)	Police (including volunteer, and local groups)	Total
Dispatched Personnel (Person-Times)	3049 (3019)	3886 (3886)	12467 (12467)	21146 (21113)
Helicopters (Flight-Times)	0(0)	0(0)	0(0)	1(0)
Various Vehicles(Times)	235 (235)	6029 (6029)	0(0)	6296 (6296)
Ships And Boats (Including Inflatable Dinghy)	3(3)	25(25)	0(0)	232 (232)
Rescued Citizens (Number)	2775 (2775)	0(0)	0(0)	2775 (2775)

Note: The figures in the table are accumulated.

B. Emergency force preparation (Data source: Ministry of National Defense)

The first emergency response force is 800 strong and can move out in 10 minutes of being ordered; the second is 1200 strong and can move out in three hours.

Table of Military Disaster Response Forces in Each Combat Area				
Area	3rd Combat Area (North)	5th Combat Area (Center)	4th Combat Area (South)	2nd Combat Area (East)
First Emergency Response Force	200 Persons	200 Persons	200 Persons	200 Persons
Location				
Total	800 Persons			
Second Emergency Response Force	300 Persons	300 Persons	300Persons	300 Persons
Location				
Total	1200 Persons			

C. Military personnel deployed in high risk areas in advance (Data source: Ministry of National Defense)

The military has deployed 2373 servicemen and 3248 vehicles of 20 types in advance in high risk areas.

Table of Military Disaster Response Forces in Each Combat Area					
Area	3rd Combat Area (North)	5th Combat Area (Center)	4th Combat Area (South)	2nd Combat Area (East)	Total
Location					
Number of forward personnel	393Persons	314 Persons	1249 Persons	417Persons	2373Persons
Number of vehicles in place	1340 vehicles of 5 types	750 vehicles of 5 types	778 vehicles of 5 types	380 vehicles of 5 types	3248 vehicles of 20 types