

DAMAGE ESTIMATES REPORTED BY ASIAN AND PACIFIC COUNTRIES AND AREAS: METEOROLOGICAL DISASTERS – TROPICAL CYCLONES, FLOODS, DROUGHTS – 1988

Country/area and source of data	Type of disaster	Regions affected	Period covered	Human damage					Damage to houses and buildings					Material damage to farmlands (ha)	Damage to agricultural production					Damage to public works facilities								Damage to public utilities						Damage to other facilities		Total estimated or counted damage cost	
				dead/missing	injured	homeless persons	affected persons	total	destroyed (units)	damaged (units)	affected (units)	total (units)	monetary damage		crops (tons)	livestocks (heads)	fruit plants	others	monetary damage	roads (sites)	bridges (sites)	river embankments (sites)	irrigation facilities (sites)	reservoir and dam (no)	harbor and port (sites)	others	monetary damage	railway (sites)	electric supply (sites)	water supply (sites)	telecommunications (circuits)	others	monetary damage	ships lost or damaged (no)	landslides (sites)		
Hong Kong Royal Observatory	Winter monsoon	Tuen Mun	6 February 1988	—	1	—	—	1	—	—	evacuated: —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1 ship 1 vehicle	—	—	
	Fog	Local seas	12-15 March 1988	—	9	—	—	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3 ships	—	—		
	Winter monsoon	Hong Kong island and Kowloon	8 April 1988	—	—	—	—	—	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Rainstorm	Territory wide	23-30 June 1988	—	—	112 (29 families)	135 (37 families)	247 (66 families)	32	—	3	35	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	8	—	
	Typhoon Warren	New Territories	14-20 July 1988	1	12	170 (47 families)	75 (22 families)	258 (69 families)	50	—	19	69	—	100 ha fish ponds 270 ha farmland	—	134,370	—	360 tons vegetable 220 tons fish	\$HK 13.5 million	—	—	—	—	4 catchwaters	—	—	\$HK 0.20 million	1	1	—	—	—	—	\$HK 0.5 million	5 ships 1 vehicle	22	\$HK 14.2 million
	Rainstorm	Kowloon	27 July 1988	—	2	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2 vehicles	1	—		
	Rainstorm	Territory wide	14-18 August 1988	—	3	75 (22 families)	58 —	136 (22 families)	16	—	2	18	—	—	—	—	—	—	—	—	—	—	—	—	—	\$HK 0.10 million	—	—	—	—	—	—	—	—	5	\$HK 0.10 million	
	Rainstorm	International airport	30 August - 5 September 1988	7	14	26 (8 families)	—	47 (8 families)	10	—	6	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1 aircraft	—	—		
	Hill fires	Territory wide	19 October 1988	—	—	—	—	—	—	—	—	—	—	97 ha farmland	—	—	—	1,000 trees	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Typhoon Pat	Territory wide	18-23 October 1988	2	1	—	—	3	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3 vehicles	—	—		
	Typhoon Ruby	Territory wide	21-29 October 1988	—	4	35 (11 families)	—	39 (11 families)	5	4	20	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Winter monsoon	Territory wide	28-30 October 1988	1	3	—	—	4 (—)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1 vehicle	—	—	
Landslides	Territory wide	All year round	—	—	276 (137 families)	—	276 (137 families)	78	137	—	215	\$HK 0.8 million	—	—	—	—	—	—	36	—	—	—	—	—	\$HK 0.20 million	—	—	4	—	—	—	—	—	157	\$HK 1.00 million		

Sources: Reports on damage caused by cyclones, floods and droughts as returned to the ESCAP Natural Resources Division by ESCAP members and associate members.
The reporting agency is listed under the country/area heading.

Notes: — Nil. N/A: Not applicable.
... Data not available. Blank column: No specific information provided.

Damage data for some weather events in 1987 have been included to supplement the 1987 damage review presented in the June 1988 issue (No. 137) of this Journal.