# Managed for Midwastor, Argument And Argument

# Hazard Incidents in Bangladesh, August 2019

# Overview of Hazard Incidents in August, 2019

In August 2019, six devastating hazards took place across Bangladesh including flood, fire, bridge collapse, boat capsize, lightning and wild animal attack.

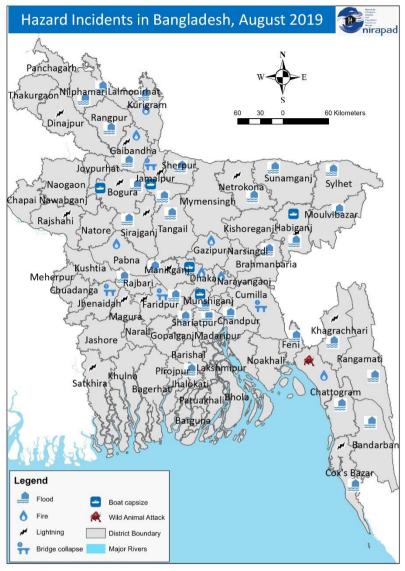
The most frequently occurred hazard of this month was lightning with 20 incidents in 14 districts across the country among which Jamalpur and Faridpur faced three incidents each, and Cox's Bazar faced two incidents of it.

Fire took place in seven districts i.e. Narayanganj, Gazipur, Dhaka, Kurigram, Chattogram, Pabna and Gaibandha, correspondingly with 17 incidents.

Boat capsize took place in four districts i.e. Cox's Bazar, Rajshahi, Dhaka, Bogura, Munshiganj, Jamalpur, Habiganj and Rajbari with nine incidents.

Bridge collapse occurred in eight districts i.e. Jhenaidah, Cumilla, Jamalpur and Faridpur with four incidents. The only incident of wild animal attack took place in Chattogram.

Flood was devastating in July, 2019 which had effects in the first week of August, 2019 across the country.



Source: NDRCC Reports and National Dailies, August 2019

	August 2019							
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
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	Boat capsize	Fire	Bridge colla	pse Ligi	htning	Wild animal attack	Flood	

# Description of the Hazard Incidents in August, 2019

#### Flood

Flood has been devastating since the second week of July, 2019 in 30 districts, i.e. Chattogram, Bandarban, Khagrachhari, Rangamati, Cox's Bazar, Lalmonirhat, Nilphamari, Sunamganj, Netrokona, Sylhet, Bogura, Gaibandha, Moulvibazar, Habiganj, Feni, Sirajganj, Kurigram, Jhalokathi, Rangpur, Tangail, Jamalpur, Faridpur, Shariatpur, Sherpur, Brahmanbaria, Rajbari, Manikganj, Munshiganj, Chandpur and Madaripur which affected a total of 5,672,455 persons of 981,374 households, 33,165 houses fully and 508,131 houses partially damaged, 184,606 hectare agricultural land inundated, 5,409.89 km road, 390 bridge/culverts and 50,608 tube wells damaged. Available data also suggested that, 114 persons were killed and 300,000 people were displaced. The impacts of the flood has also been visible in the first week of August, 2019.

	Affected	flood up to August Affected Unions/			
Districts	Upazilas	Paurashavas	Population	Damage	
Chattogram	14	119	364,980	• 160 houses fully & 5,975 houses partially damaged	
Dandarban	г		10,000	100 houses fully damaged	
Bandarban	5	-	10,000	Road transportation of Bandarban to Chattogram disrupted	
Khagrachhari	4	13	40,380	• 108 villages affected	
Rangamati	2	_	1,000	• 15 villages inundated	
Mangamati			1,000	Road of Chattogram-Rangamati partially damaged	
				• 10,328 households affected	
Cox's Bazar	7	46	41,280	• 2.5 km barrage damaged	
Jon 5 Bazar	ŕ		11,200	• 1,740 ha seed bed partially damaged	
				Road transportation of Cox's Bazar to Chattogram disrupted	
				• 34,568 households affected	
				Cropland of 18,901 ha damaged	
Lalmonirhat	5	21	172,840	• 3 embankments & <i>pucca</i> road eroded	
				• 50 houses fully damaged	
				• 500 meters road eroded	
				• 5,650 households affected	
Nilphamari	2	8	19,200	• 15 villages inundated	
				Low lying areas of 6 unions inundated	
				• 39,787 households affected	
				Cropland of 993 ha fully & 125 ha partially damaged	
Sunamganj	11	86	185,815	• 7,075 houses partially damaged	
				818.14 km roads partially damaged	
				• 96 bridge/culverts & 4,427 tube wells damaged	
Netrokona	4		30,000	• 150 schools damaged	
Netrokona	4	-	30,000	Low-lying areas inundated	
				• 6,520 households fully & 74,651 households partially affected	
				Cropland of 25,349 ha damaged	
Sylhet	14	82	397,093	• 1,992 houses fully & 20,949 houses partially damaged	
syinet	14	02	337,033	4 km road fully & 335.6 km partially damaged	
				• 5 bridge/culverts & 1,562 tube wells damaged	
				0.06 km barrage fully & 22.13 km partially damaged	
				• 84,344 households affected	
				Cropland of 25,349 ha damaged	
Bogura	6	43	333,357	• 670 houses fully & 5,707 houses partially damaged	
				380.6 km roads partially damaged	
				• 11 bridge/culverts & 4,444 tube wells damaged	

Table 1: Overa	II impacts of f	lood up to Augus	t 2019	
Districts	Affected	Affected Unions/		Damage
Districts	Upazilas	Paurashavas	<b>Population</b>	
Gaibandha	7	51	598,497	<ul> <li>35,913 households fully &amp; 112,852 households partially affected</li> <li>Cropland of 14,021 ha partially damaged</li> <li>6,312 houses fully &amp; 56,858 houses partially damaged</li> <li>833 km road partially &amp; 26 km fully damaged</li> <li>39 bridge/culverts &amp; 11,178 tube wells damaged</li> </ul>
Moulvibazar	2	5	-	• 20 m barrage broke
Habiganj	1	3	10,500	• 2,160 households affected
Feni	2	-	-	<ul> <li>15 villages inundated</li> <li>1,955 households affected</li> <li>Embankment in 10 places broke</li> </ul>
Sirajganj	6	44	329,431	<ul> <li>3,079 households fully &amp; 82,471 households partially affected</li> <li>Cropland of 3,400 ha fully &amp; 14,701 ha partially damaged</li> <li>6,505 houses fully &amp; 44,013 houses partially damaged</li> <li>180.43 km road partially &amp; 55.34 km fully damaged</li> <li>29 bridge/culverts &amp; 5,741 tube wells damaged</li> <li>2 km barrage partially damaged</li> </ul>
Kurigram	9	63	965,740	<ul> <li>1,853 households fully &amp; 238,672 households partially affected</li> <li>Cropland of 19,638 ha partially damaged</li> <li>1,853 houses fully &amp; 238,672 houses partially damaged</li> <li>1,333.68 km road partially &amp; 30.50 km fully damaged</li> <li>41 bridge/culverts &amp; 11,178 tube wells damaged</li> <li>40 km barrage partially damaged</li> </ul>
Jhalokathi	1	-	-	Roads and agricultural land inundated
Rangpur	3	6	32,500	• 9,650 households affected
Tangail	10	72	530,798	<ul> <li>129,877 households partially affected</li> <li>Cropland of 13,571 ha fully &amp; 3,134 ha partially damaged</li> <li>1,380 houses fully &amp; 27,015 houses partially damaged</li> <li>468 km road partially &amp; 28 km fully damaged</li> <li>13 bridge/culverts &amp; 4,263 tube wells damaged</li> <li>14 km barrage partially damaged</li> </ul>
Jamalpur	7	69	1,283,790	<ul> <li>7,250 households fully &amp; 45,580 households partially affected</li> <li>Cropland of 25,845 ha partially damaged</li> <li>7,250 houses fully &amp; 45,580 houses partially damaged</li> <li>315.75 km road partially &amp; 27.25 km fully damaged</li> <li>135 bridge/culverts &amp; 16,252 tube wells damaged</li> <li>0.5 km barrage fully &amp; 6 km partially damaged</li> </ul>
Faridpur	4	14	61,886	<ul> <li>269 households fully &amp; 16,774 households partially affected</li> <li>Cropland of 480 ha partially damaged</li> <li>57 houses fully &amp; 463 houses partially damaged</li> <li>130 km road partially damaged</li> <li>1 bridge/culvert damaged</li> <li>0.15 km barrage partially damaged</li> </ul>
Shariatpur	6	37	31,962	<ul> <li>25 households fully &amp; 6,754 households partially affected</li> <li>Cropland of 10 ha fully &amp; 3,841 ha partially damaged</li> <li>269 houses fully &amp; 10,774 houses partially damaged</li> <li>58.50 km road damaged</li> <li>186 tube wells damaged</li> <li>8.30 km barrage partially damaged</li> </ul>
Sherpur	5	43	114,500	<ul> <li>75 households fully &amp; 16,010 households partially affected</li> <li>Cropland of 1,090 ha fully &amp; 3,667 ha partially damaged</li> <li>90 houses fully &amp; 2,205 houses partially damaged</li> </ul>

Table 1: Overall impacts of flood up to August 2019					
Districts	Affected	Affected Unions/		Damage	
Districts	Upazilas	Paurashavas	Population		
				• 266 km road partially damaged	
				• 1 bridge/culvert & 835 tube wells damaged	
				<ul><li>◆ 1 km barrage fully &amp; 8.75 km partially damaged</li></ul>	
Brahmanbaria	2	3	-	• 22 villages inundated	
				• 25 households fully & 3,371 households partially affected	
				<ul> <li>Cropland of 34 ha fully &amp; 15 ha partially damaged</li> </ul>	
Rajbari	5	13	13,725	• 10 houses fully & 390 houses partially damaged	
				• 8.10 km road partially damaged	
				• 35 tube wells damaged	
				• 5,737 households fully & 14,257 households partially affected	
				<ul> <li>Cropland of 1,572 ha fully &amp; 6,448 ha partially damaged</li> </ul>	
Manikganj	6	25	71,626	• 5,718 houses fully & 14,171 houses partially damaged	
				• 45.50 km road fully & 56 km partially damaged	
				• 14 bridge/culvert & 122 tube wells damaged	
				• 154 households fully & 715 households partially affected	
	2	8	1,890	<ul> <li>Cropland of 38.45 ha fully &amp; 153.78 ha partially damaged</li> </ul>	
Munshiganj				• 262 houses fully & 258 houses partially damaged	
iviulisiligalij		0		• 5 km road partially damaged	
				• 3 bridge/culvert & 7 tube wells damaged	
				• 3 km barrage damaged	
Chandpur	1	1	-	• 150 households fully affected & 0.82 km barrage damaged	
				• 485 households fully & 5,448 households partially affected	
				<ul> <li>Cropland of 490 ha fully damaged</li> </ul>	
Madaripur	1	8	29,665	• 537 houses fully & 28,026 houses partially damaged	
				• 10 km road fully & 20 km partially damaged	
				• 2 bridge/culverts & 1,556 tube wells damaged	
				• 981,374 households affected	
				• 33,165 houses fully & 508,131 houses partially damaged	
Total	154	883	E 672 4EE	• 184,606 hectare agricultural land inundated	
Total	154	003	5,672,455	• 5,409.89 km road damaged	
				• 390 bridge/culverts & 50,608 tube wells damaged	
				Embankments, roads, trees damaged & low-lying areas inundated	
Source: Report	ts on Impact o	of Ongoing Flood	by DDM, ND	RCC, DGHS, NAWG & National Dailies up to August 04, 2019	

#### <u>Fire</u>

Fire took place in seven districts, i.e. Narayanganj, Gazipur, Dhaka, Kurigram, Chattogram, Pabna and Gaibandha with 17 incidents in August, 2019 which killed six persons, injured 12 persons, burnt two auto rickshaw workshops, four factories, one bamboo house with an estimated loss of BDT five lakhs. The highest number of incidents took place in Dhaka (six incidents) and Gazipur was the second highest with four incidents. In Dhaka on August 16, 2019, four persons were injured and about 2,000 houses burnt in a slum of Mirpur. Another heart touching incident took place in Gazipur on August 17, 2019, three persons of the same family were killed and one was seriously injured.

Table 2: L	Table 2: Loss & damage by fire in August 2019							
Date	Location		Impact	Sauran				
Date	District	Upazila/ Thana	Impact	Source				
August 01	Narayanganj	Narayanganj Sadar	<ul><li>50 houses, shops &amp; godown burnt</li><li>Road communication disrupted</li></ul>	https://www.prothomalo.com, August 02, 2019				
	Gazipur	Tongi	<ul> <li>2 auto rickshaw workshop burnt</li> </ul>	https://bangla.bdnews24.com, August 01, 2019				
August 02	Dhaka	Hazaribagh	3 persons injured	https://www.kalerkantho.com, August 02, 2019				

Table 2: L	Table 2: Loss & damage by fire in August 2019						
Data	Lo	cation	Impact	Source			
Date	District	Upazila/ Thana	Impact	Source			
	Narayanganj	Narayanganj Sadar	<ul><li>70 houses burnt</li><li>Road communication disrupted</li></ul>	https://bangla.bdnews24.com, August 02, 2019			
August 03	Kurigram	Chilmari	1 person killed	https://bangla.bdnews24.com, August 03, 2019			
August 05	Dhaka	Kathalbagan	• 1 person killed & 3 persons injured	https://www.prothomalo.com, August 12, 2019			
August 06	Gazipur	Tongi	1 coconut oil factory burnt	https://bangla.bdnews24.com, August 06, 2019			
August 07	Chattogram	Mirsharai	<ul><li>9 shops burnt</li><li>Estimated loss of BDT 5 lakhs</li></ul>	https://bangla.bdnews24.com, August 08, 2019			
August 10	Dhaka	Ashulia	• 1 cotton godown burnt	https://bangla.bdnews24.com, August 11, 2019			
August 14	Dhaka	Lalbagh	<ul> <li>1 tin-shed factory burnt</li> </ul>	https://www.prothomalo.com, August 14, 2019			
August 15	Dhaka	Lalbagh	1 polythene factory burnt	https://www.prothomalo.com, August 15, 2019			
August 16	Dhaka	Mirpur	<ul><li>4 persons injured</li><li>About 2,000 houses burnt</li></ul>	https://www.prothomalo.com, August 17, 2019			
August 17	Gazipur	Gazipur Sadar	• 3 persons killed & 1 person injured	https://www.prothomalo.com, August 19, 2019			
August 17	Pabna	Ishurdi	Furniture & documents burnt	https://www.prothomalo.com, August 17, 2019			
August 21	Gazipur	Tongi	• 1 jhut factory burnt	https://bangla.bdnews24.com, August 21, 2019			
August 25	Chattogram	Anowara	• 1 bamboo house burnt	https://www.kalerkantho.com, August 26, 2019			
August 31	Gaibandha	Gaibandha Sadar	• 1 person killed & 1 person injured	https://bangla.bdnews24.com, August 31, 2019			
Total	6 persons killed, 12 persons injured, about 2,120 houses, 2 auto rickshaw workshops, 4 factories, 1 bamboo house, 1 cotton godown, furniture & documents burnt, road communication disrupted, estimated loss of BDT 5 lakhs						

#### **Bridge Collapse**

Four districts i.e. Jhenaidah, Cumilla, Jamalpur and Faridpur faced four incidents (one incident in each district) of bridge collapse in August 2019, which killed 10 persons and injured 22 persons along with estimated loss of BDT 40 lakhs. In Jhenaidah on August 04, 2019, two girders of a bridge collapsed with an estimated loss of BDT 40 lakhs. Another incident took place in Jamalpur on August 07, 2019 in which two persons were killed and four persons were missing. The most devastating incident took place in Faridpur on August 24, 2019 which killed eight persons and injured 18 persons.

Date	L	ocation	Immost	Course		
Date	District Upazila/ Thana		Impact	Source		
August 04	Jhenaidah	Jhenaidah Sadar	<ul><li>2 girders of a bridge collapsed</li><li>Estimated loss of BDT 40 lakhs</li></ul>	https://www.prothomalo.com, August 05, 2019		
August 07	Cumilla	Daudkandi	<ul><li>1 wooden bridge partially collapsed</li><li>Road communication disrupted</li></ul>	https://www.prothomalo.com, August 08, 2019		
	Jamalpur	Dewanganj	• 2 persons killed & 4 persons missing	https://bangla.bdnews24.com, August 09, 2019		
August 24	Faridpur	Faridpur Sadar	• 8 persons killed & 18 persons injured	https://www.prothomalo.com, August 26, 2019		
Total	10 person killed, 22 persons injured, 1 wooden bridge collapsed, road communication disrupted, 2 girders of a bridge collapsed with estimated loss of BDT 40 lakhs					

#### Lightning

Lightning took place in 14 districts, i.e. Cox's Bazar, Rajshahi, Khagrachhari, Gaibandha, Jamalpur, Dinajpur, Habiganj, Netrokona, Manikganj, Faridpur, Bogura, Magura, Sirajganj and Satkhira with 20 incidents in August, 2019 which killed 26 persons, injured nine persons and killed five cows. The highest number of incidents took place in Jamalpur and Faridpur (three incidents each). In Cox's Bazar on August 14, 2019, two persons were killed and two persons were injured while fishing in the lake. The most heart touching incident took place in Bogura on August 22, 2019 in which two persons of the same family along with their five cows were killed while taking them for a bath.

Table 4: Loss & damage by lightning in August 2019							
Date	Lo	ocation	Impact	Source			
Date	District	Upazila/ Thana	mipact	Source			
August 05	Cox's Bazar	Moheshkhali	• 2 persons killed & 2 persons injured	https://bangla.bdnews24.com, August 05, 2019			
August 06	Rajshahi	Baghmara	• 1 person killed	https://www.prothomalo.com, August 06, 2019			
August 12	Khagrachhari	Dighinala	• 1 person killed & 2 persons injured	https://www.prothomalo.com, August 14, 2019			
	Gaibandha	Sundarganj	• 1 person killed & 1 person injured	https://www.prothomalo.com, August 16, 2019			
	lamalaur	Dewanganj	2 persons killed	https://bangla.bdnews24.com, August 16, 2019			
August 16	Jamalpur	Jamalpur Sadar	• 1 person killed	https://bangla.bdnews24.com, August 16, 2019			
	Dinajpur	Birol	• 1 person killed	https://bangla.bdnews24.com, August 16, 2019			
	Habiganj Lakhai		• 1 person killed	NDRCC report, August 17, 2019			
August 17	Netrokona	Kendua	• 1 person killed	https://www.prothomalo.com, August 17, 2019			
August 21	Manikganj	Ghior	• 1 person killed	NDRCC report, August 23, 2019			
		Saltha	2 persons killed	https://en.prothomalo.com, August 22, 2019			
	Faridpur	Nagarkanda	• 1 person killed	https://en.prothomalo.com, August 22, 2019			
		Alfadanga	1 person killed	https://en.prothomalo.com, August 22, 2019			
August 22	Bogura	Sariakandi	<ul><li> 3 persons killed &amp; 3 person injured</li><li> 5 cows killed</li></ul>	https://www.prothomalo.com, August 22, 2019			
		Nondigram	1 person killed	https://www.prothomalo.com, August 22, 2019			
	Jamalpur	Madarganj	2 persons killed	https://bangla.bdnews24.com, August 22, 2019			
	Magura	Magura Sadar	• 1 person killed	NDRCC report, August 23, 2019			
	Sirajganj	Raiganj	• 1 person killed	https://www.thedailystar.net, August 23, 2019			
August 24	Satkhira	Kolaroa	• 1 person killed & 1 person injured	https://www.prothomalo.com, August 24, 2019			
August 31	Cox's Bazar	Chakaria	2 persons killed	https://www.prothomalo.com, August 31, 2019			
Total	26 person kille	d, 9 persons injured 8	& 5 cows killed				

#### **Boat Capsize**

Six districts i.e. Dhaka, Bogura, Munshiganj, Jamalpur, Habiganj and Rajbari faced seven incidents of boat capsize which killed seven persons, four persons were missing and 160 tons of cement drowned. In Dhaka on August 10, 2019, nine cows killed in Bansghi River while being taken to Gabtoli for selling before Eid-Ul-Azha. Another incident took place in Bogura on August 13, 2019 which killed two persons and three persons were missing.

Table 5: L	Table 5: Loss & damage by boat capsize in August 2019						
Date	Location		Impact	Source			
Date	District	Upazila/ Thana	Impact	Source			
August 10	Dhaka	Savar	• 9 cows killed	https://www.thedailystar.net, August 10, 2019			
August 12	Dhaka	Sadarghat	• 1 person killed	https://www.prothomalo.com, August 13, 2019			
August 13	Bogura	Sariakandi	• 2 persons killed & 3 persons missing	https://www.prothomalo.com, August 13, 2019			
August 15	Munshiganj	Louhajang	• 1 person missing	https://www.prothomalo.com, August 13, 2019			
August 14	Jamalpur	Sarishabari	• 2 persons killed	https://www.prothomalo.com, August 15, 2019			
August 14	Habiganj	Mahdabpur	• 2 persons killed	https://www.prothomalo.com, August 15, 2019			
August 25	Rajbari	Goalanda	• 160 tons cement drowned	https://www.prothomalo.com, August 25, 2019			
Total	7 person killed	d, 4 persons missing 8	k 160 tons cement drowned	·			

#### **Wild Animal Attack**

An incident of wild animal attack took place in Anowara upazila of Chattogram district on August 18, 2019 in which one person was killed. The person was going home before fazar prayer when a wild elephant attacked him. He was taken to the hospital instantly but died later (https://www.prothomalo.com, August 18, 2019).

## **GoB Response in August 2019**

**Response to lightning:** BDT 20,000 has been given to the victim's family by the district administration from Ministry of Disaster Management and Relief's allocation in Lakhai upazila of Habiganj district on August 16, 2019.

**Response to flood:** Government of Bangladesh has responded to the flood affected districts immediately by allocating GR cash and rice and distributing these to the affected people including dry food where needed through Ministry of Disaster Management and Relief (MoDMR). The total allocation of GR cash, GR rice dry food, tent, tin and cash for shelter materials to the flood affected districts are given in the table below:

Table 6. GOD K	esponse in Floo	<u>u</u>	Allocat	ion from M	-DMP	
District	GR Cash (BDT)	GR Rice (MT)				Cash for shelter materials (BDT
Chattogram	1,800,000	1,200	6,000	500	1,150	3,450,000
Bandarban	750,000	450	2,000	500	350	1,050,000
Khagrachhari	300,000	300	-	-	300	900,000
Rangamati	1,000,000	700	2,000	500	350	1,050,000
Cox's Bazar	800,000	700	4,000	500	900	2,700,000
Lalmonirhat	950,000	650	6,000	500	1,000	3,000,000
Nilphamari	750,000	500	4,000	500	830	2,490,000
Sunamganj	2,000,000	900	9,000	500	980	2,940,000
Netrokona	800,000	700	4,000	500	1000	300,000
Sylhet	1,300,000	600	3,000	500	950	2,850,000
Bogura	2,200,000	1,200	3,000	500	1,160	3,480,000
Gaibandha	2,550,000	1,550	6,000	500	1,800	5,400,000
Moulvibazar	950,000	850	3,000	-	590	1,700,000
Habiganj	800,000	500	1,000	-	600	1,800,000
Feni	750,000	450	-	-	600	1,800,000
Sirajganj	1,300,000	900	4,000	500	1,570	4,710,000
Kurigram	3,000,000	1,900	12,000	1,000	2,000	6,000,000
Jhalokathi	200,000	100	-	-	320	9,600,000
Rangpur	1,300,000	700	2,000	500	1,400	4,200,000
Tangail	1,800,000	900	3,000	500	1,280	3,840,000
Jamalpur	5,300,000	2,250	6,000	500	1,700	5,100,000
Faridpur	1,500,000	700	2,000	-	1,100	3,300,000
Shariatpur	950,000	350	2,000	-	1,250	3,375,000
Sherpur	250,000	250	-	-	800	2,400,000
Brahmanbaria	300,000	400	-	-	1,200	900,000
Rajbari	250,000	150	2,000	-	600	1,800,000
Manikganj	250,000	350	2,000	-	400	1,200,000
Munshiganj	450,000	250	2,000	-	576	1,728,000
Chandpur	300,000	200	2,000	ı	2,050	5,150,000
Madaripur	1,700,000	500	4,000	-	600	1,800,000
Total	36,550,000	21,150	96,000	8,500	29,406	90,013,000

### Conclusion

The hazards that took place in this month, caused a huge loss of lives and properties and disrupted daily activities of people. GoB response was reported largely for flood and partially for lightning to provide support to the distressed people. No response was reported for the other hazards occurred in this month.