


Flood Situation Overview


Since May, Cambodia has experienced low to heavy rainfall across much of the country. From 1 September - 11 October, an estimated 85,482 households in 14 provinces were reported to be affected by floods, with houses, infrastructure (roads, schools, health centres) and agricultural land inundated.

The affected provinces and the latest flood impact data are listed in the table below. More rainfall is [forecasted](#) from 12 to 18 October. The risk of severe floods still remains until the end of October.


Flood Impact Dashboard




85,482 households affected




29 health centres affected




4,498 households evacuated




280 schools affected




15 people died



1,607,260 meters of rural road affected



33,165 houses affected



152,386 hectares of agricultural land affected

Highlights

- Typically, the main flooding happens once a year, but this year many provinces have been impacted multiple times since July. More significant flooding occurred in September.
- Current floods are small to moderate scale. Responses are manageable at provincial level. PCDMs and humanitarian actors have provided relief aid to displaced and most affected households. The Search and Rescue task forces are on standby. *NCDM welcomes humanitarian assistance from development partners to support provincial responses in flood-affected provinces.*
- If the situation deteriorates, NCDM may call for an emergency coordination meeting to discuss a joint response strategy/plan and mobilise support.

Flood Impact Breakdown from 1 September – 11 October by Province*

Province	Districts affected	Communes affected	Households affected	People affected	Households evacuated	People evacuated	Death	Houses affected	Houses damaged	Schools affected	Health centres affected	Length of rural road affected (meter)	Agricultural land affected (hectare)	Report date by PCDM
Kampong Thom**	9	67	29,122	-	1,500	-	-	-	-	69	6	446,353	31,666	11-Oct
Battambang	14	72	18,786	66,641	527	-	-	13,080	32	56	6	473,154	57,817	09-Oct
Banteay Meanchey	8	43	10,547	46,487	1,056	-	14	8,046	116	65	10	285,571	19,212	11-Oct
Pursat	5	28	9,510	20,936	172	-	-	5,486	60	15	1	152,848	6,819	11-Oct
Preah Vihear	7	20	2,189	4,209	133	-	-	584	2	1	-	11,174	2,837	05-Oct
Siem Reap	7	41	3,536	1,077	-	-	-	2,906	1	48	5	124,945	22,889	11-Sep
Tboung Khmum	3	14	2,103	60	1	-	-	5	-	-	-	-	1,981	11-Oct
Kratie	5	35	4,393	8,063	899	-	-	1,456	-	13	-	70,474	3,879	10-Oct
Stung Treng	5	17	1,345	6,045	16	-	-	444	-	5	-	36,342	1,709	03-Oct
Oddar Meanchey	5	19	3,566	12,461	4	-	1	780	174	8	1	6,399	3,511	11-Oct
Kampong Chhnang	2	6	337	1,629	190	-	-	337	-	-	-	-	0	06-Oct
Mondul Kiri	2	3	7	-	-	-	-	-	-	-	-	-	0	05-Sep
Kampong Cham	1	2	-	-	-	-	-	-	-	-	-	-	23	02-Oct
Kampong Speu	1	1	41	165	-	-	-	41	41	-	-	-	43	16-Sep
Total	74	368	85,482	167,773	4,498	-	15	33,165	426	280	29	1,607,260	152,386	
Increase/decrease***	+9	+76	+30,293	+51,073	+2,384		+2	+10,398	+216	+69	+14	+379,077	-832	

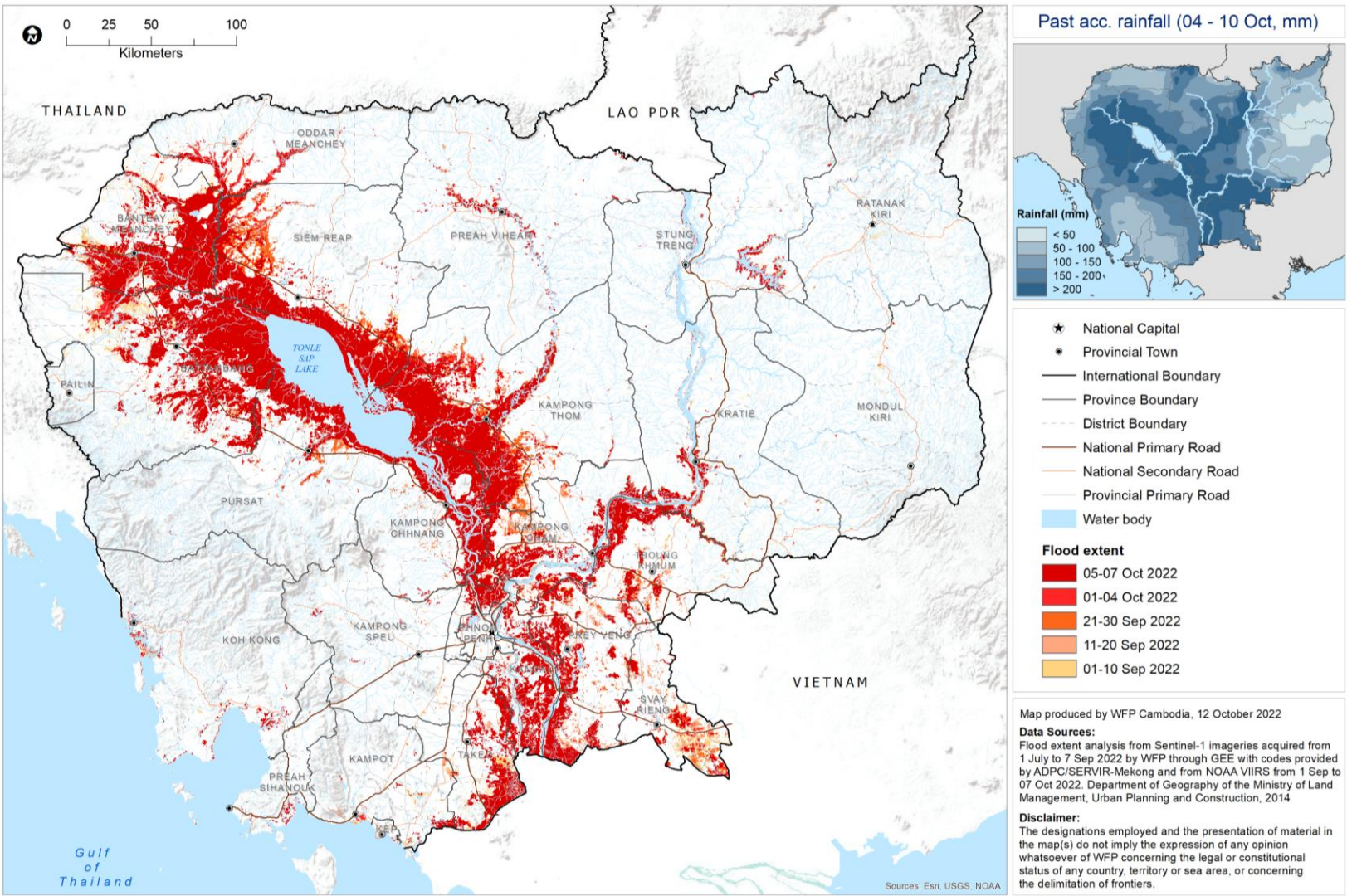
* Data presented above are the latest available from the National Committee for Disaster Management (NCDM) and Provincial Committees for Disaster Management (PCDMs) through regular reporting mechanisms and Platform for Real-Time Impact and Situation Monitoring (PRISM). Due to the time lag in reporting and the evolving situation the flood impact data is subject to change.

** Numbers of people affected and evacuated in Kampong Thom are being validated by PCDM.

*** Numbers of increase/decrease are compared to the previous SitRep.

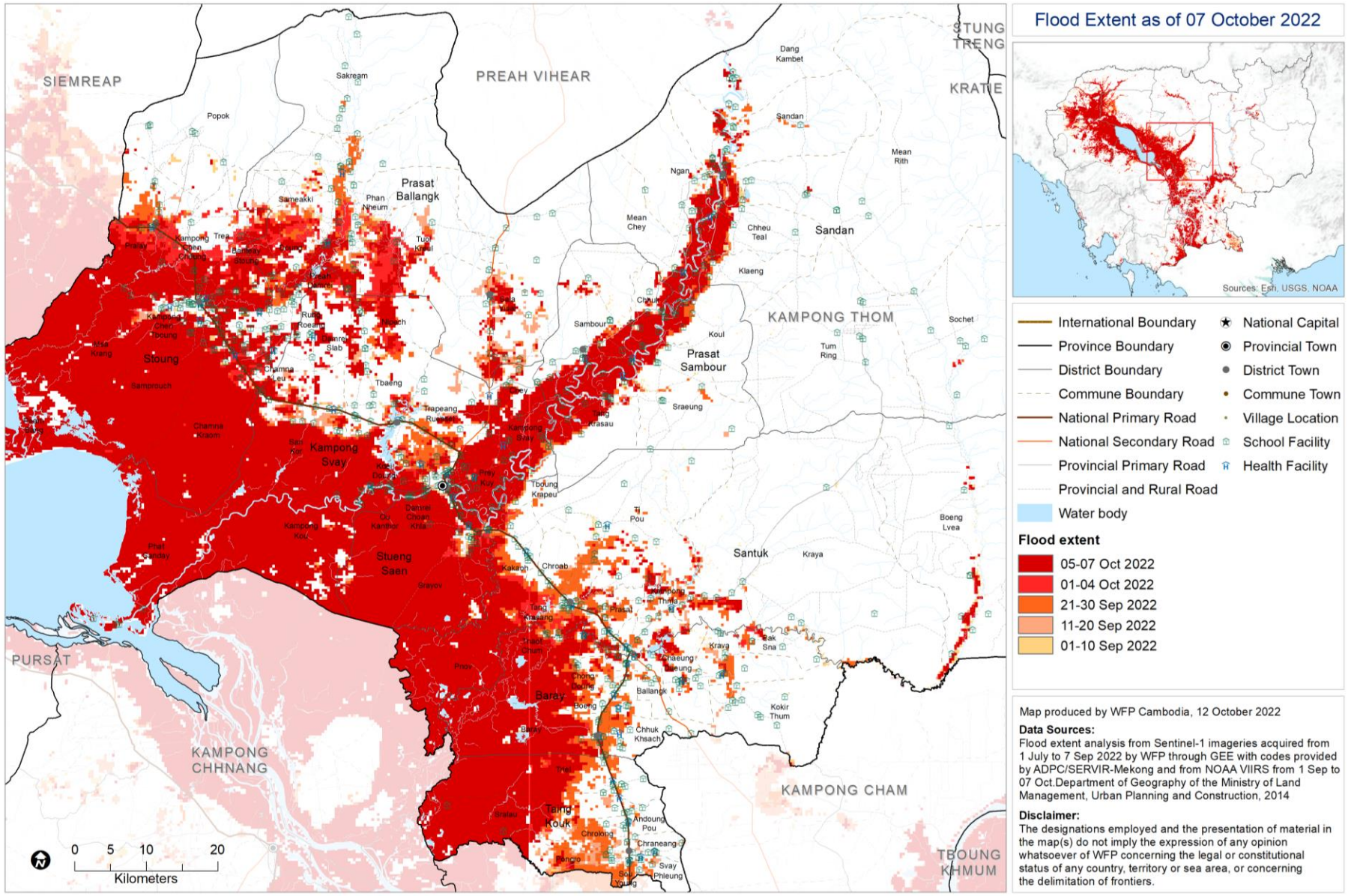
Flood Extent Map in Cambodia (as of 7 October 2022)

The flood extent map shows only the coverage of flooding, not the severity.

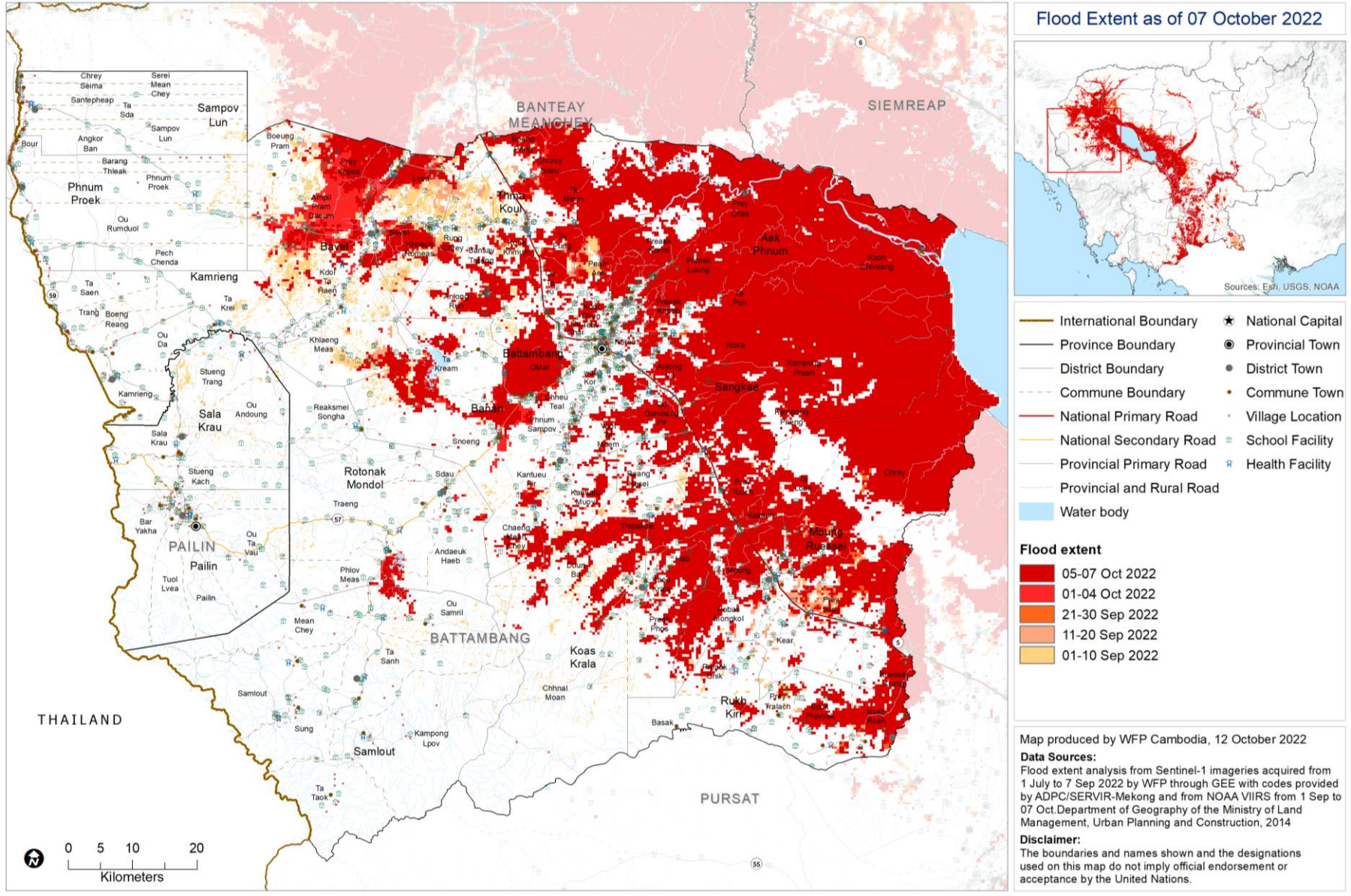


TECHNICAL NOTE: Analysis of satellite-derived flood water and maps in this situation report were prepared by the World Food Programme Cambodia. Flood extent was extracted from the Sentinel-1 satellite acquired between 1 – 7 September 2022 through Google Earth Engine (GEE), with codes provided by the Asian Disaster Preparedness Center (ADPC) and [SERVIR-Mekong](#) program, and NOAA Satellite Proving Ground Global Flood Products Archive from 01 September to 07 October 2022. Flood extent analysis was considering annual permanent and recurrent surface water; however, this is not validated in the field and the maps provide a snapshot that is subject to satellite revisit time and data latency. Satellite imagery is also susceptible to image artifacts.

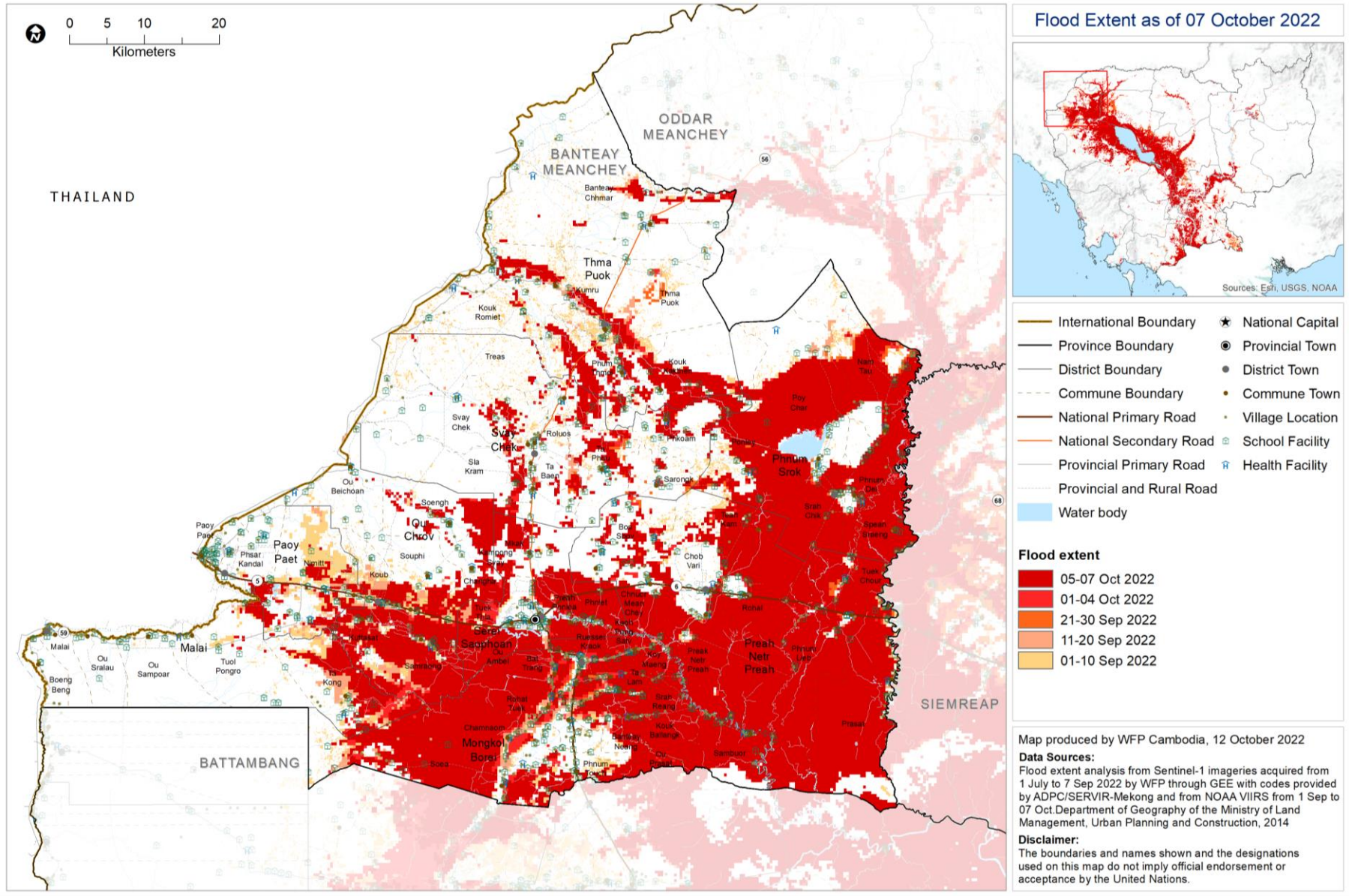
Flood Extent Map of Kampong Thom Province (as of 7 October 2022)



Flood Extent Map of Battambang Province (as of 7 October 2022)



Flood Extent Map of Banteay Meanchey Province (as of 7 October 2022)



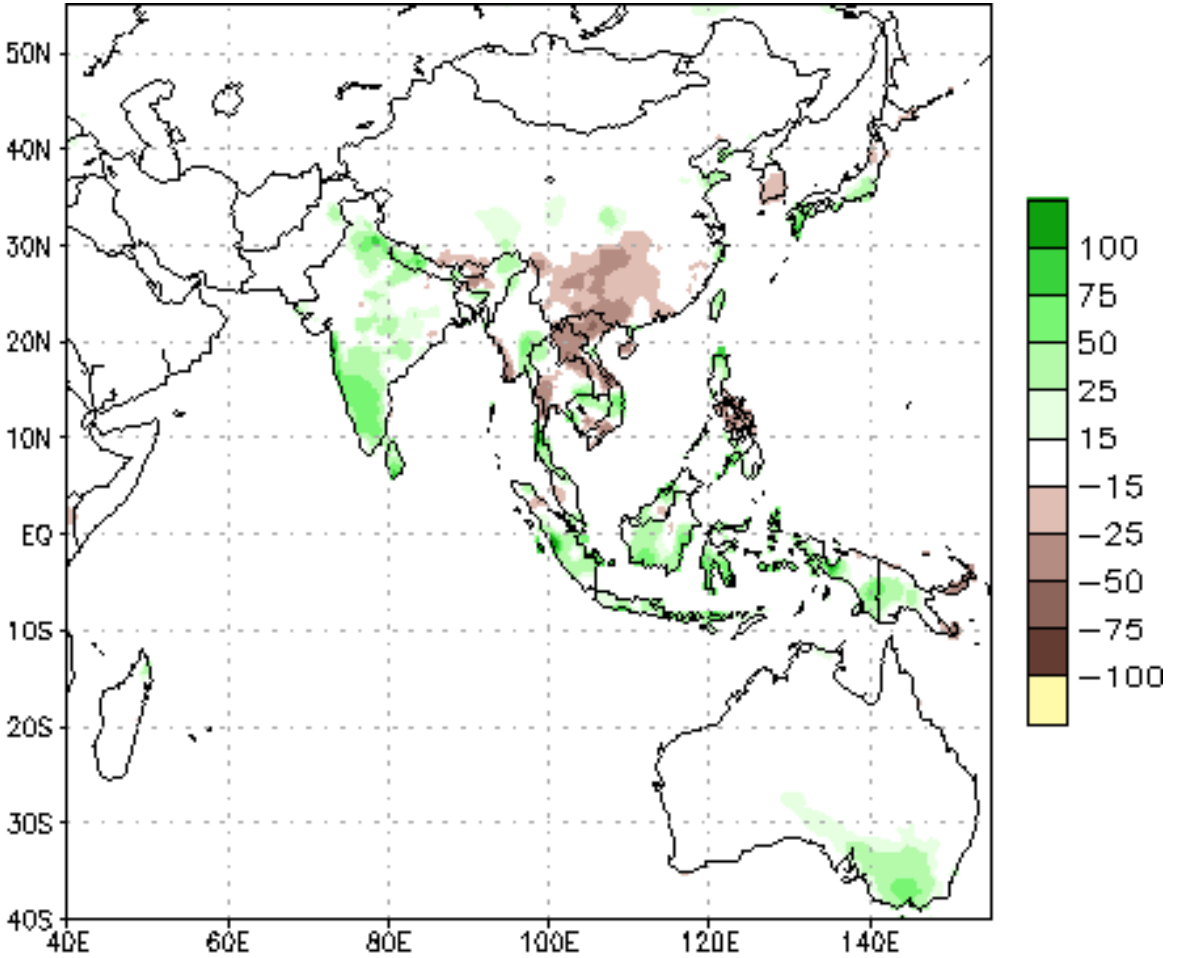
River Level Monitoring and Forecast

Mekong River Commission (MRC) reported on 12 October 2022 that the water levels of eight river monitoring stations remain below the “Flood Alarm Level” (table below). Most stations are forecasted to marginally decrease in the next 5 days (13-17 October 2022).

Location	Observed Rainfall (mm)	Zero gauge above M.S.L (m)	Flood Level (m)	Alarm Level (m)	Observed W. level against zero gauge(m)						
					11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct
-	11-Oct	-	-	-	11-Oct	12-Oct	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct
Stung Treng	1.5	36.790	12.00	10.70	7.50	7.33	7.23	7.10	7.00	6.88	6.71
Kratie	nr	-0.101	23.00	22.00	18.18	17.71	17.50	17.33	17.16	17.02	16.87
Kompong Cham	5.2	-0.930	16.20	15.20	12.91	12.64	12.36	12.18	12.05	11.90	11.80
Phnom Penh (Bassac)	14.6	-1.020	12.00	10.50	9.22	9.18	9.08	9.02	8.97	8.90	8.87
Phnom Penh Port	-	0.070	11.00	9.50	7.83	7.78	7.67	7.60	7.55	7.48	7.44
Koh Khel (Bassac)	nr	-1.000	8.40	7.90	7.70	7.69	7.65	7.63	7.61	7.58	7.56
Neak Luong	11.7	-0.330	8.00	7.50	6.71	6.72	6.68	6.63	6.60	6.58	6.55
Prek Kdam	23.2	0.080	10.00	9.50	8.41	8.46	8.48	8.43	8.38	8.32	8.29

Rainfall Forecast

According to weather forecast of NOAA Climate Prediction Center, the western and north-eastern parts of the country will receive slightly above-normal rainfall for 7-day period of 11-17 October 2022, compared to the long-term average (map below). In contrast, southern provinces are likely to experience below long-term average rainfall.



Humanitarian Response

Provincial governors:

The humanitarian response is ongoing under the leadership of the provincial governors and PCDMs in flood-affected provinces. Relief aid for evacuated and most affected households generally includes rice, noodle, canned fish, soy sauce, water, cash, shelter kit, etc.

- Kampong Thom provincial administration has provided relief aid to approximately 5,457 flood-affected families.

Cambodian Red Cross (CRC):

Head Quarter, provincial branches, and sub-provincial branches of CRC (together with provincial governors) distributed relief aid to 3,739 flood-affected families from 1 September to 12 October. Relief aid generally includes rice, noodle, canned fish, soy sauce, water, cash, shelter kit, etc.

Cambodian Food Reserve System (CFRS), implemented by Green Trade company of the Ministry of Commerce (MOC):

As of 12 October, CFRS released 366.570 Metric Tons of rice to various provinces (Oddar Meanchey, Takeo, Battambang, Kampong Thom, and Preah Vihear). The actual stock of rice is 10,000 Metric Tons and the reserve fund is equivalent to 6,000 Metric Tons of rice.

National Committee for Disaster Management (NCDM):

NCDM is monitoring the situation and supporting PCDMs with information management. NCDM has closely supported and monitored provincial responses. If severe floods occur which surpass provincial capacities, NCDM may call for an emergency meeting to discuss a joint response strategy/plan and mobilise support.

Ministry of Agriculture, Forestry and Fisheries (MAFF):

MAFF, on 9 October, established a working group to expedite the monitoring and assessment of the impact of flood damage on rice and mixed crops (with sub-national administrations, CFRS, NCDM, and relevant ministries) in order to provide seeds to farmers for crop rehabilitation.

HRF member organizations:

- **World Vision International-Cambodia**, as of 12 October, has provided flood response (including food and non-food items, hygiene kits, P&G purifier of water, child protection awareness raising, etc.) to 655 flood-affected families (2,613 people and 1,493 most vulnerable children) in various area programmes (Battambang, Banteay Meanchey, Siem Reap, Preah Vihear, and Kampong Thom).

Current stocks of relief items of HRF member organizations*

Organization	Sector	Type of relief items	Number of available or planned relief items	Estimated number of people reached
DanChurchAid	Food Security and Nutrition	Cash and Voucher Assistance	-	2,600
UNICEF	WASH	Non-food items (water treatment, water storage/transport, and hygiene items)	-	50,000
	Education	Learning and sport materials to support the set up of temporary learning spaces during school closure	200 kits/boxes	-
	Multi-sector	Ready to Use Therapeutic Foods (RUTF) for health facilities	-	-
Save the Children	Multi-sector	Cash and Voucher Assistance	-	1,600
World Vision International-Cambodia	Multi-sector	The P&G purifier of water	1 million sachets	28,650
	Multi-sector	Food, non-food items, and cash assistance	-	76,611
Johanniter International Assistance	Multi-sector	Non-food items, medical supplies, and volunteer team	-	-

* Most available or planned relief items are subject to internal organization policy and the severe scale of the disaster.

What is required from HRF sector co-lead and member organizations?

- Liaise with implementing partners at provincial level to stay updated on the impact of floods and evolving situation
- Review and identify stocks of relief items, technical staff, and relevant resources for potential support to provincial responses (*at the moment*) and national response (*if the situation gets worse*).
- Area Offices to monitor flood situation (impact and needs of affected people) with PCDMs and provincial authority (*PCDMs in some flood-affected provinces have called for emergency meetings to be well prepared for flood response*).
- According to the recent speech of the first vice-president of NCDM on 8 October at a distribution event of relief items in Kampong Thom province with World Vision International-Cambodia, the joint humanitarian response is welcome from development partners even though the impact of flood has not reached a situation that requires a national response or declaration for international assistance.

HRF Information Management

HRF sector co-leads and member organizations are requested to report their disaster management activities/humanitarian relief operations on HRF 5Ws OP.

HRF 5Ws (Who is doing What, When, Where and for Whom) Operational Presence:
[Click Here](#)

The HRF 5Ws OP platform aims to identify disaster management activities and humanitarian relief operations of HRF organizations. The analysis of gaps in interventions will be conducted at the time of a disaster or emergency to inform the humanitarian response to support affected people.

HRF sector co-leads and member organizations and other humanitarian actors are requested to report their available humanitarian relief items on HRF Stockpile Mapping.

HRF Stockpile Mapping (Online Spreadsheets):
[Click Here](#)

The HRF Stockpile Mapping aims to identify relief items available within humanitarian organisations that can be distributed to support affected people during the time of a disaster or emergency (particularly floods) through the government (e.g., NCDM) or directly by your organization.

This situation report was produced by the HRF secretariat with support from the United States Agency for International Development (USAID).

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For more information about HRF, please visit <https://response.reliefweb.int/cambodia>