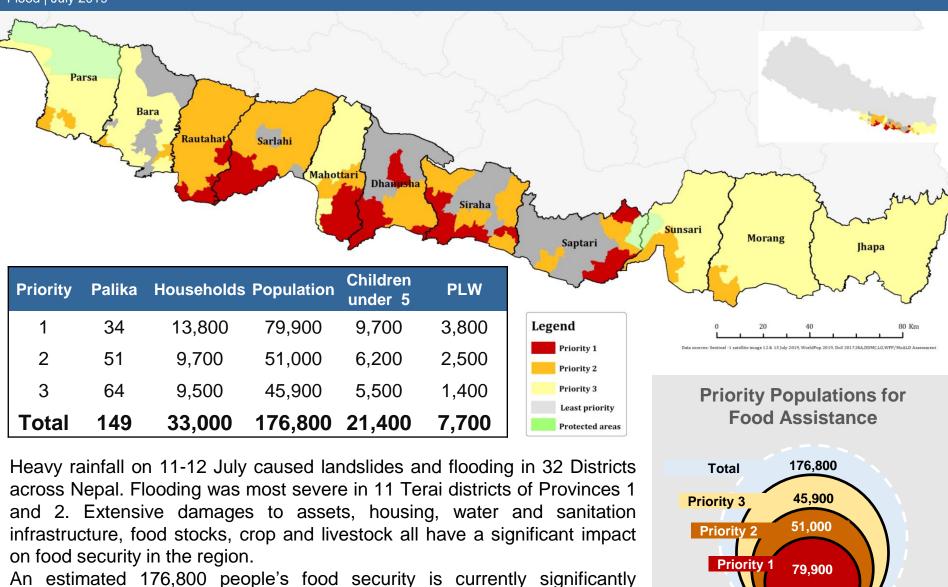
72-hour assessment
Contents may change based on updated information

VERSION_2
30 July 2019



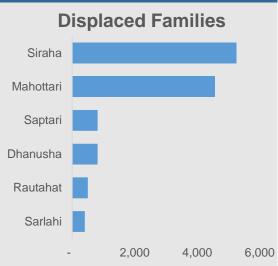


affected as a result of the flooding, of which 79,900 people, or 13,800

households, are deemed to be the most in need of assistance.

Overview

Shelter and Displacement



Immediately after the flood, many of the affected households initially took shelter on higher ground in schools, tents, community and public buildings. Above 20,000 families were first estimated displaced.

At least 12,000 households are estimated displaced in six Districts as of 29 July, a majority of whom are in Siraha (5,300) and Mahottari (4,600) Districts. The number of displaced has decreased as water recedes and households who are able move back.

However many homes are still partially damaged or destroyed. Consultations within the most affected communities in each District suggest that close to half of all homes in affected areas of Rautahat, Siraha and Mahottari are either severely damaged or destroyed. An estimated one quarter of all houses in Sarlahi and Sunsari Districts' most affected communities were severely damaged or destroyed.

Accessibility and Markets

Road connectivity has greatly improved as receding waters and early road repairs increased physical access. Most municipalities are now either fully or partially accessible by vehicle. The East-West Highway still has connectivity problems, though smaller link roads are more accessible.

However, physical access in Udayapur District has deteriorated since the flooding, with damaged roads cutting off several communities in four municipalities, also crippling market functionality notably in Limchunbung and Tapli municipalities.

Eight Districts still have pockets of only partially functioning markets, in which supply constraints are still affecting the amount and type of food commodities available.

Food commodity price changes were noted during field verification. Overall, staple commodity prices including rice and lentils increased by up to 20%, while prices of vegetables saw increases of up to 50% (in Saptari and Siraha Districts) and by more than 100% (in Parsa and Bara Districts).



Within those municipalities most affected by the flooding and which recorded large food stock losses, the prices of lentils and soybean oil in particular were 10-40% higher than the rest of the district.

affected areas.

of 18-24 July.

21-50%

51-66%

Market functionality is expected to keep improving in the coming days, with commodity prices regaining normal levels. Humanitarian assistance may also temporarily increase market demand in

Data (left) are shown for primary

represent the percentage change in price compared to pre-flood prices, as

6-20%

Source: DDRC, NRCS, NeKSAP

-7%

markets in each District. Colors

Post-flooding District-level food prices

	Rice-coars	se Rice-med	Wheat flo	Broken I	Potato	Soybean oi
	Rico	Rico	Mus	BLO.	Pola	50Y
Parsa	45	66	50	110	40	170
Bara	48	70	50	110	40	170
Rautahat	50	70	50	120	45	160
Sarlahi	48	70	50	110	40	160
Mahottari	42	60	60	120	50	140
Dhanusha	42	60	55	110	40	140
Siraha	40	65	60	110	50	130
Saptari	40	60	60	110	50	140
Unit	Kg	Kg	Kg	Kg	Kg	Litre

Overview

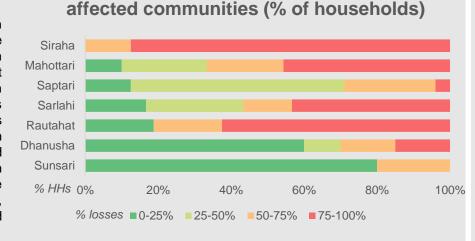
Food Security

Household food stock losses in most

Many households in flooded areas have lost food stock from winter harvest (wheat), together with stored commodities such as rice, pulses and vegetables. Within most affected communities of each District, losses were Siraha, largest in Rautahat, Sarlahi and

Food stock and food

assistance

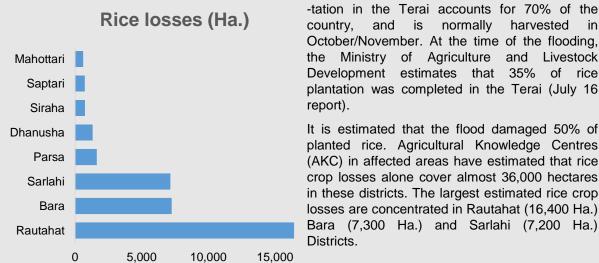


between 40-80% of households having lost upwards of 75% of their food stock. Many people in the flood affected areas are now depending on relief food distributed by the government and I/NGOs, for the most part consisting of dry food goods.

Summer rice cultivation

Mahottari, with

July is in the lean season and also a peak period for the plantation of rice in the Terai. Rice plan-



Resilience Profile

Most of the districts in Terai rate relatively low as measured by the Human Development Index (HDI): Rautahat, Mahottari, Saptari, Sarlahi, Siraha and Dhanusa are among the 25 districts in Nepal with the lowest HDI rating.

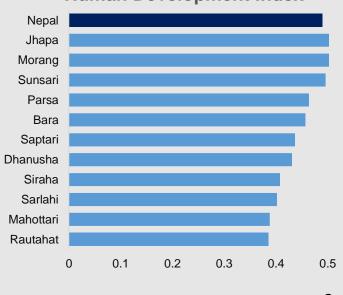
Population living in poverty

More than 20 percent of the population in Mahottari, Bara, Parsa, Rautahat, and Sarlahi live below the poverty line. The poorest are hardest hit by the flood.

Housing conditions are poor

60-70 percent of households in Jhapa, Morang, Sunsari, Siraha, Saptari, Dhanusa, Mahottari, Sarlahi, and Rautahat; 50-60 percent in Bara and Parsa; live in poor housing structures unable to withstand flooding.

Human Development Index

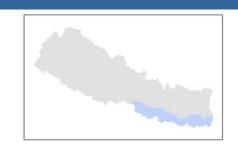


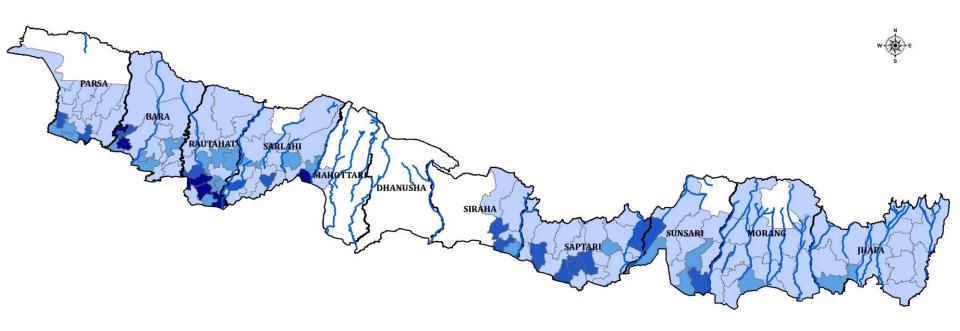
Source: AKCs, DDRC, NRCS, NeKSAP

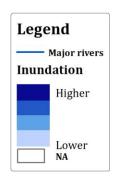
Inundation area (12-13 July)

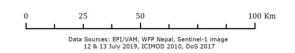
Flood Inundation Area in Terai Districts

(12 - 13 July 2019)



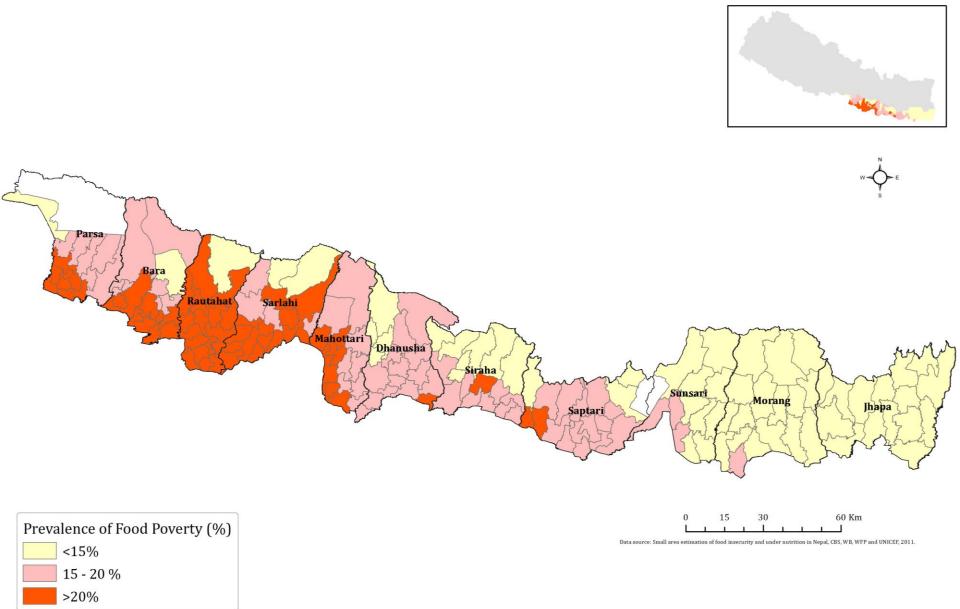




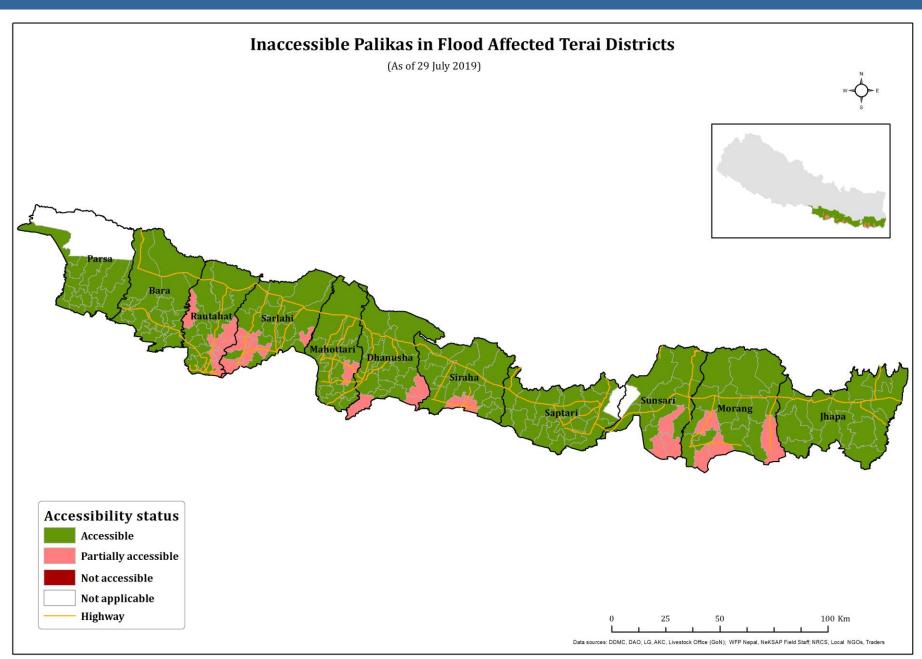


Food poverty prevalence

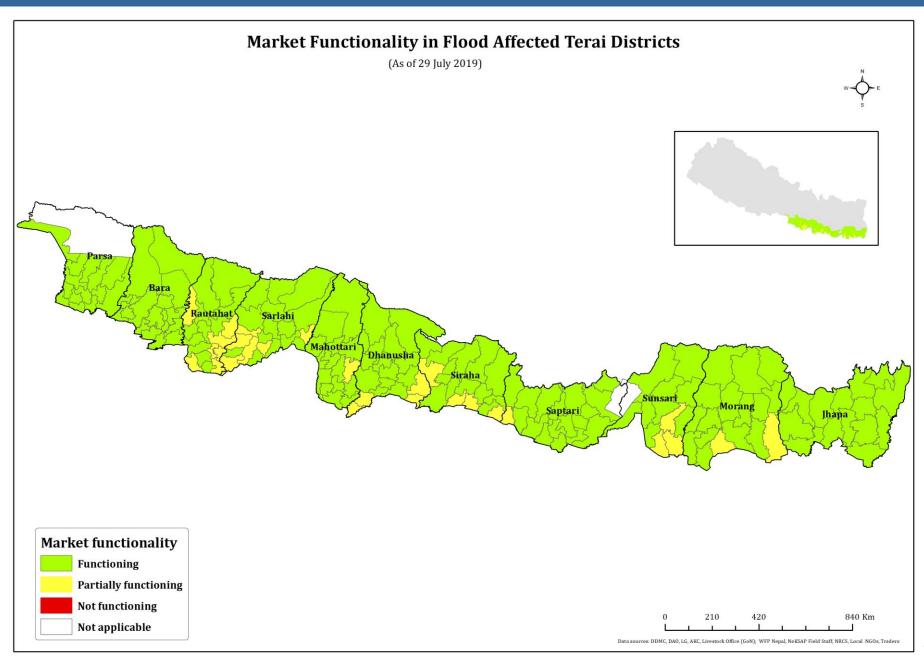
Prevalence of Food Poverty in Flood Affected Districts of Terai



Road connectivity (29 July)



Market functionality (29 July)



Methodology

WFP's 72-hour Approach

Initial estimations of area inundated were calculated by processing Sentinel-1 satellite images of 12-13 July. The inundation surface layer was then overlaid with settlement data to estimate the affected population. Priority population estimates were derived by overlaying the affected populations with small area estimates of food poverty at Municipality level (derived from the Small Area Estimation of Food Insecurity and Under-nutrition study, 2011), as well as with information from the Central Bureau of Statistics on types of building and building materials by municipality. Children under 5 years of age and pregnant and lactating women (PLW) were identified among the targeted population.

The identification and ranking by areas and population of prioritization is based on cutoffs used, namely—above 20% prevalence of food poverty, above 70% of building materials classified as poor, to identify the highest priority population.

From these initial population estimates WFP undertook extensive ground verification and consultations with local government, District Disaster Management Committees, I/NGOs and the Nepal Red Cross Society, to produce revised and updated estimates of priority populations.

Focus group discussions were conducted across the most affected communities, defined as those areas generally within Priority 1 municipalities, identified by assessment teams in consultation with local authorities as having sustained the most damage to food stores and housing, the highest displacement, the lowest market functionality and in general with residents in most need of assistance.

More on WFP's 72-hour rapid assessment approach can be found at:

Acknowledgement

Funding from the UK government has remained critical for supporting the capacity of the Nepal Food Security Monitoring system (NeKSAP), which was mobilized to produce this 72-hour assessment. NeKSAP is operated by the Ministry of Agriculture and Livestock Development (MoALD) with the strategic guidance of the National Planning Commission (NPC). WFP provides technical assistance.

Situation updates received from the Nepal Red Cross Society (NRCS) were used to supplement this report, namely through estimates of population displacement, casualties and asset losses/damages.

Satellite images received from Sentinel-1 SAR (European Space Agency) were used to map the inundation surface in the flood-affected Terai districts.











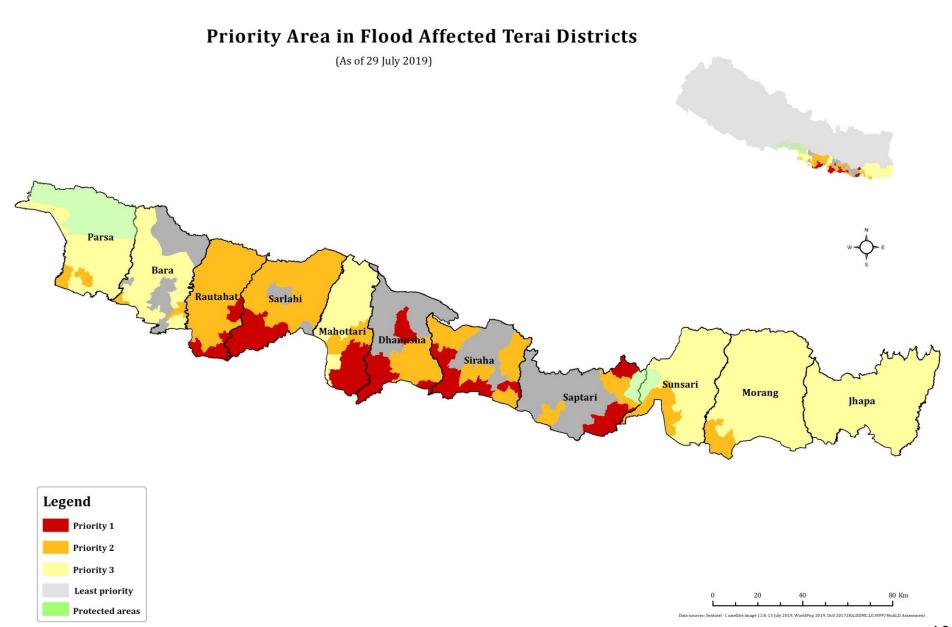


ANNEX

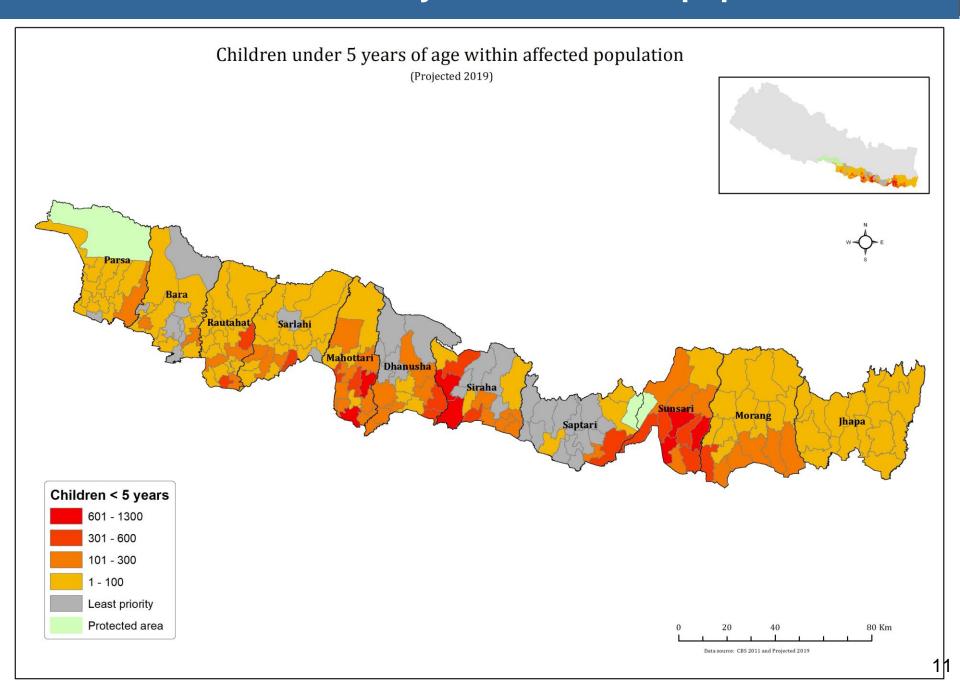
ANNEX 1 Priority Population

	Priority 1					Priority 2					Priority 3					Total		
District	Palika	Population	HHs	Children <5yrs	PLW	Palika	Population	HHs	Children <5yrs	PLW	Palika	Population	HHs	Children <5yrs	PLW	Palika	Populatio n	HHs
Siraha	5	25,746	4,291	3,136	1,273	7	7,146	1,191	870	352	-	-	-	-	-	12	32,892	5,482
Mahottari	7	18,354	3,059	2,235	890	3	6,708	1,118	816	325	5	2,364	394	289	115	15	27,426	4,571
Sarlahi	8	10,722	1,950	1,307	501	10	1,341	243	162	62	_	-	-	-	-	18	12,063	2,193
Rautahat	5	10,121	2,023	1,233	465	13	6,451	1,287	786	296	-	-	-	-	-	18	16,572	3,310
Dhanusha	6	9,246	1,541	1,127	440	6	6,486	1,081	790	309	-	-	-	-	-	12	15,732	2,622
Saptari	3	5,730	955	697	278	2	432	72	53	21	_	_	-	-	-	5	6,162	1,027
Bara	-	_	-	-		2	1,635	233	199	76	9	2,340	333	286	108	11	3,975	566
Jhapa	-	_	-	-	-	-	-	-	-	_	15	3,874	884	469	196	15	3,874	884
Morang	-	-	-	-	_	2	5,084	1,133	619	250	15	5,501	1,227	670	271	17	10,585	2,360
Parsa	-	_	-	-		3	1,147	164	140	52	11	3,203	458	391	144	14	4,350	622
Sunsari	-	_	-	-		3	14,616	3,150	1,780	715	9	28,571	6,156	3,478	1,399	12	43,187	9,306
Total	34	79,919	13,819	9,735	3,847	51	51,046	9,672	6,215	2,458	64	45,853	9,452	5,583	2,233	149	176,818	32,943

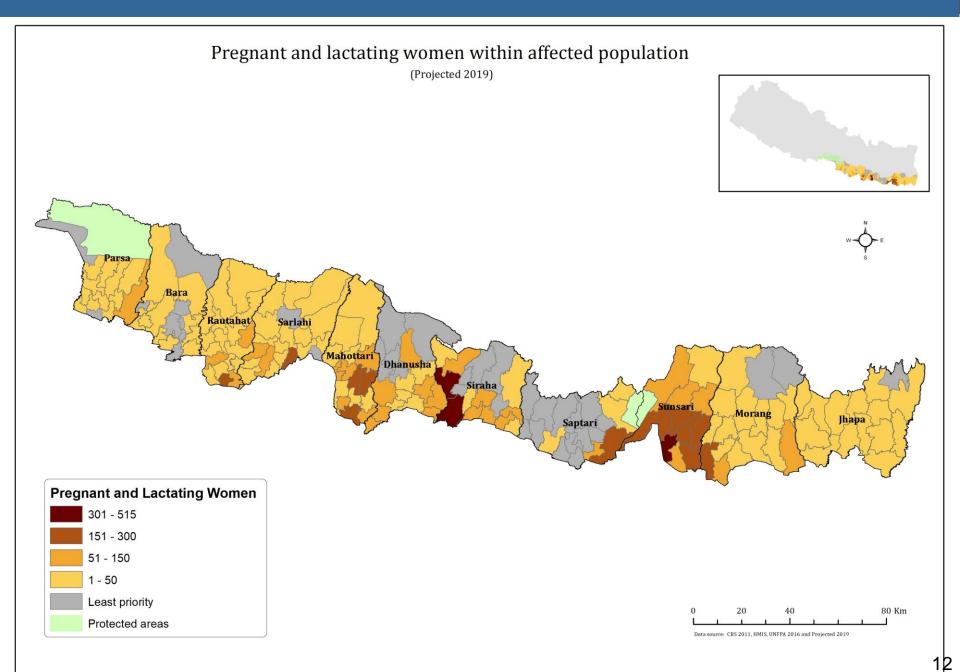
ANNEX 2 Priority areas (29 July)



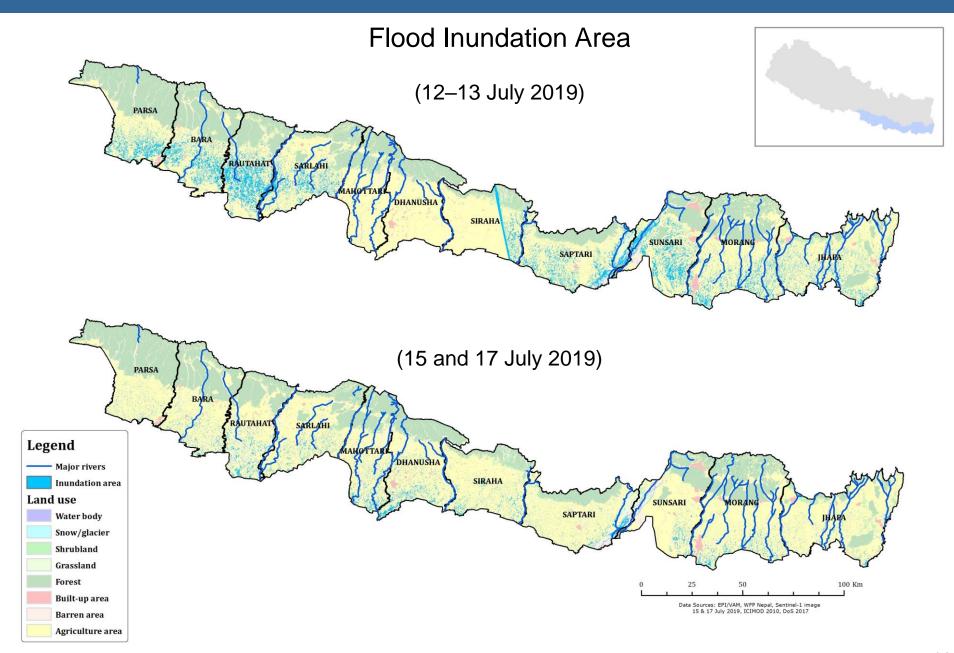
ANNEX 2 Children under 5 years in affected population



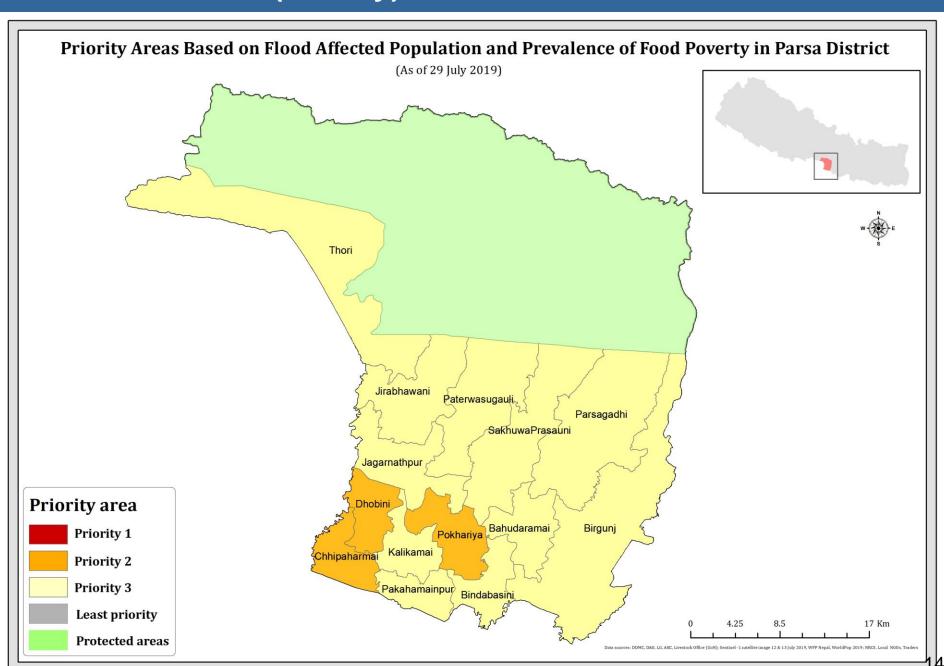
ANNEX 4 Pregnant and lactating women in affected population



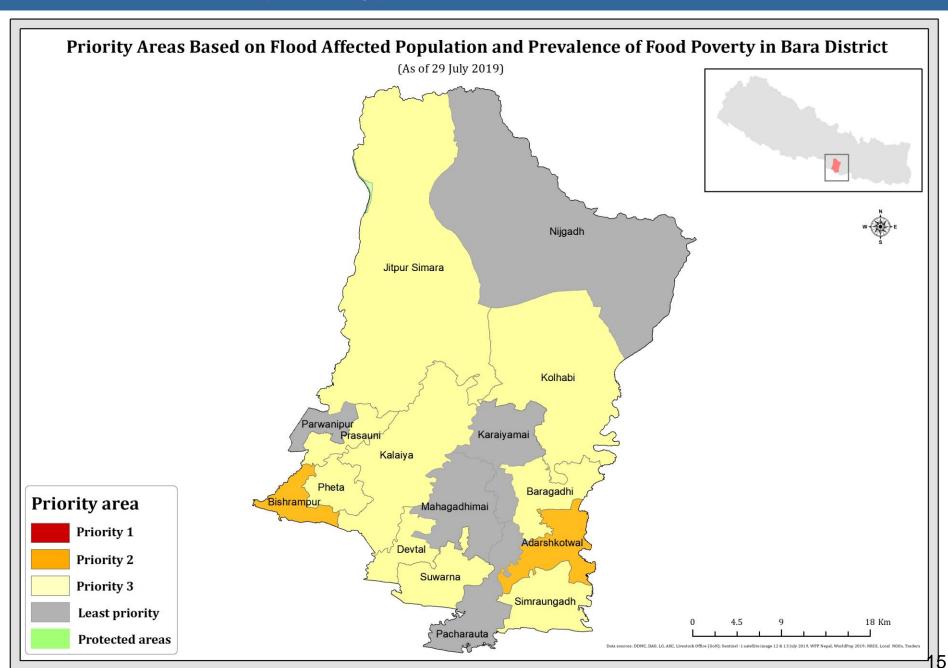
ANNEX 5 Inundation Area



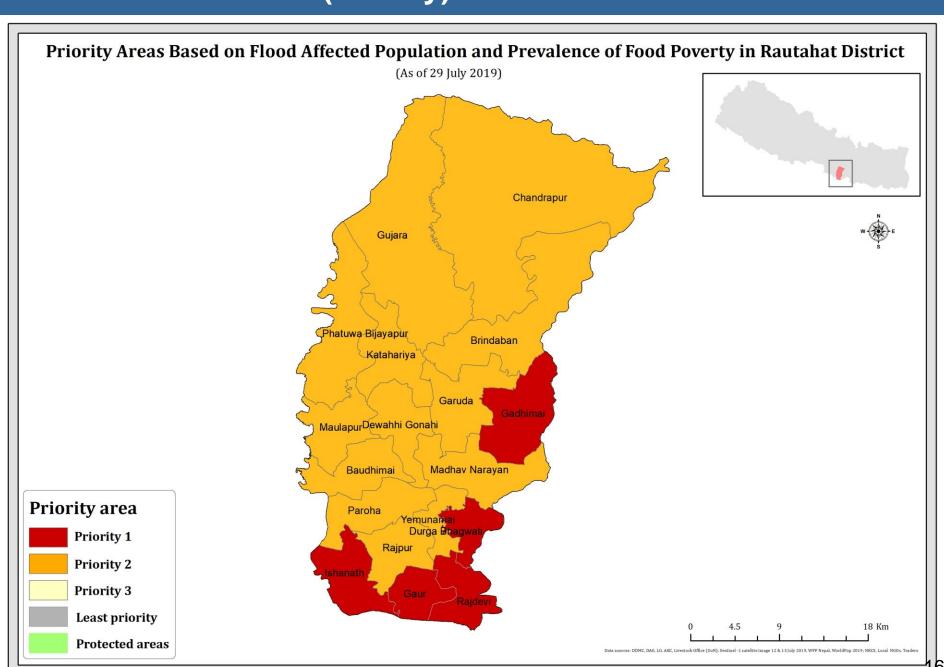
ANNEX 6.a Parsa (29 July)



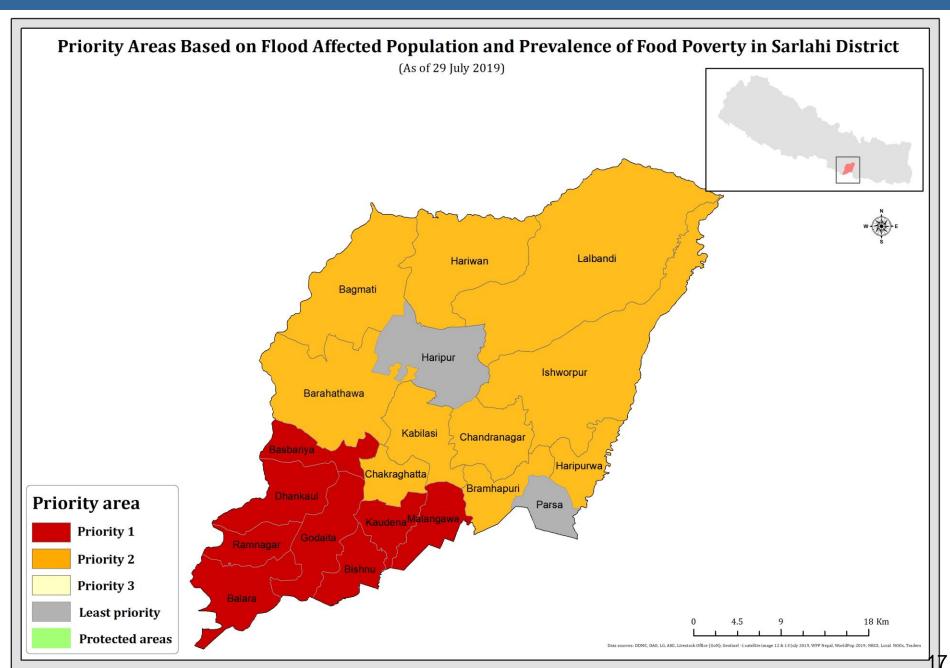
ANNEX 6.b Bara (29 July)



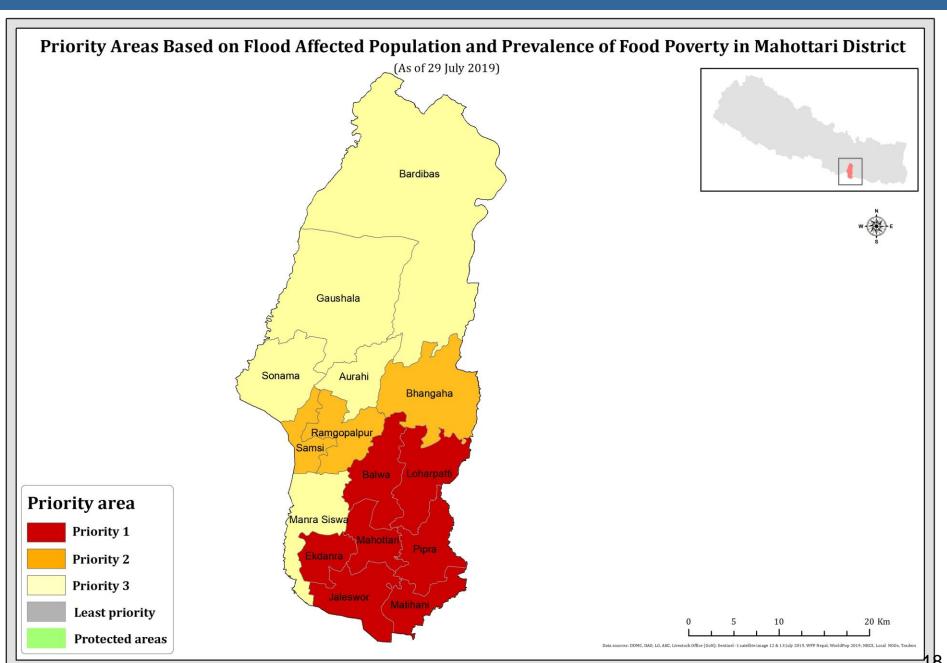
ANNEX 6.c Rautahat (29 July)



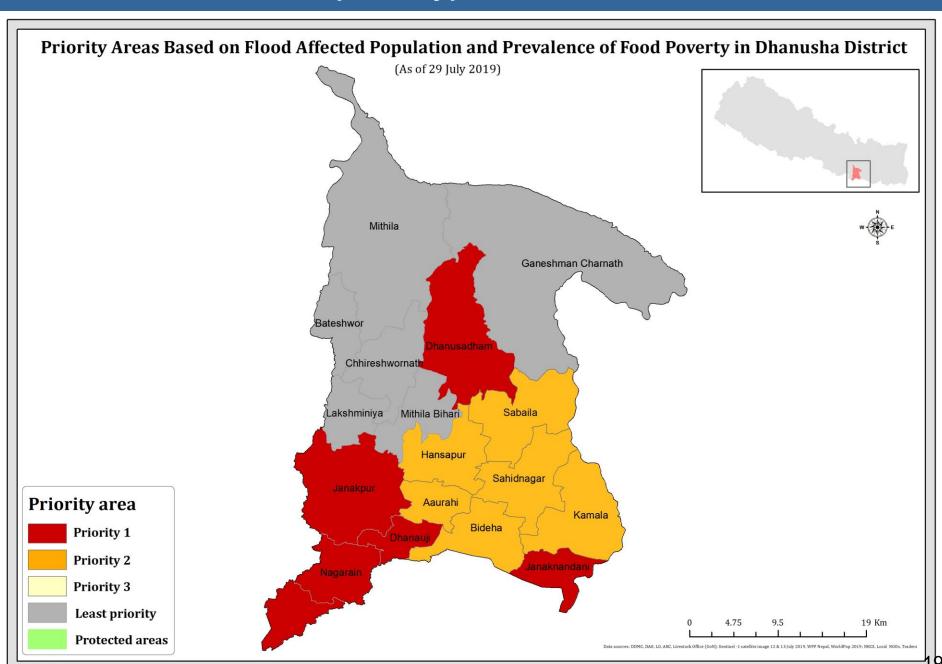
ANNEX 6.d Sarlahi (29 July)



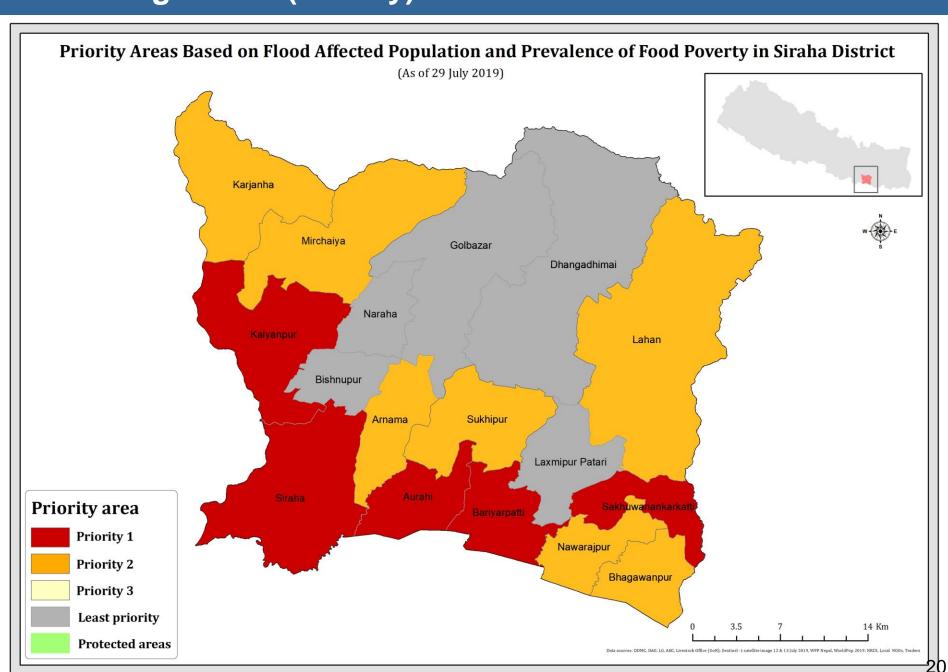
ANNEX 6.e Mahottari (29 July)



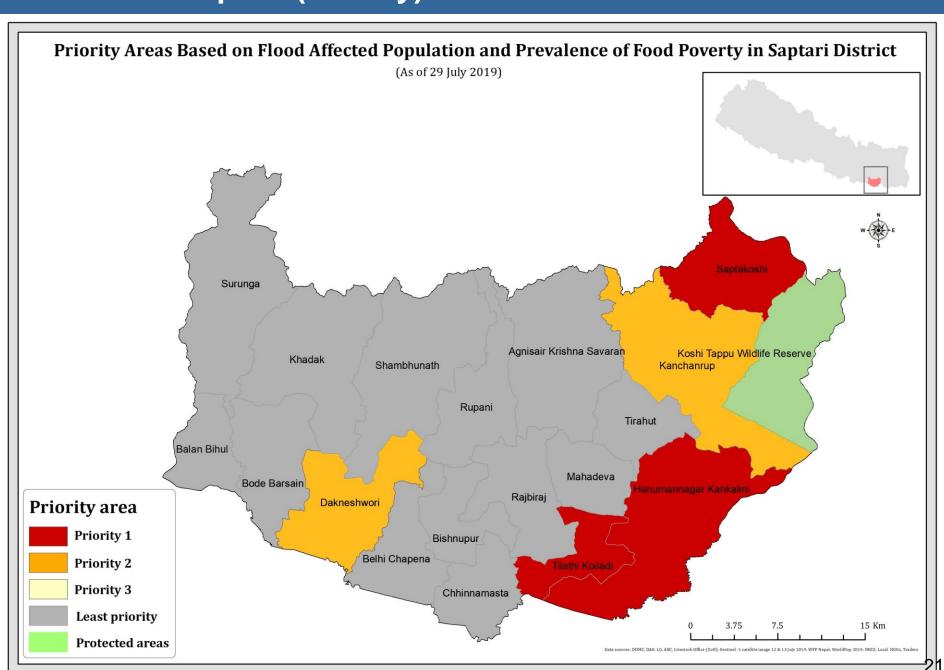
ANNEX 6.f Dhanusha (29 July)



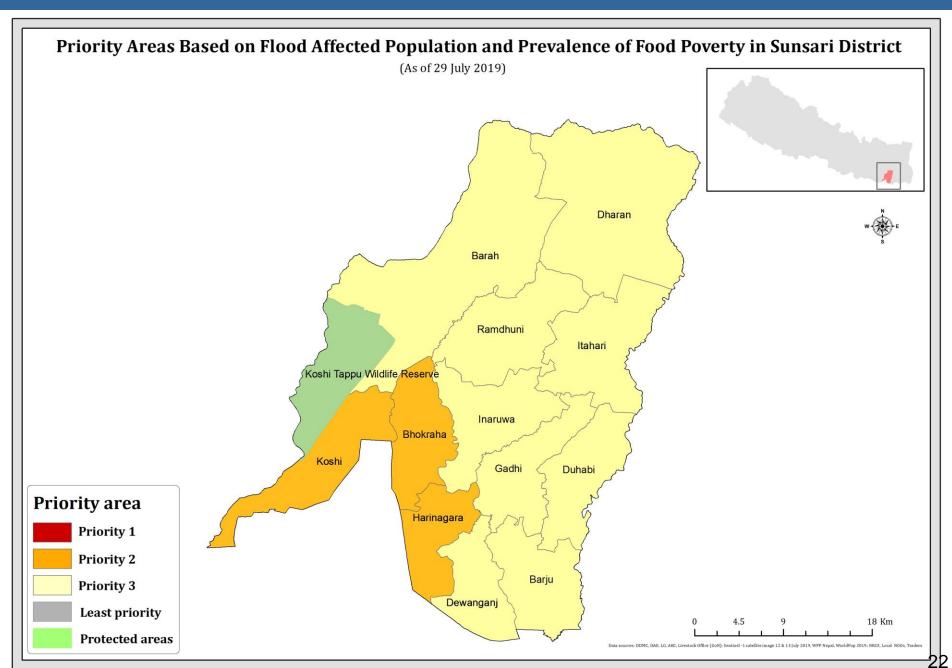
ANNEX 6.g Siraha (29 July)



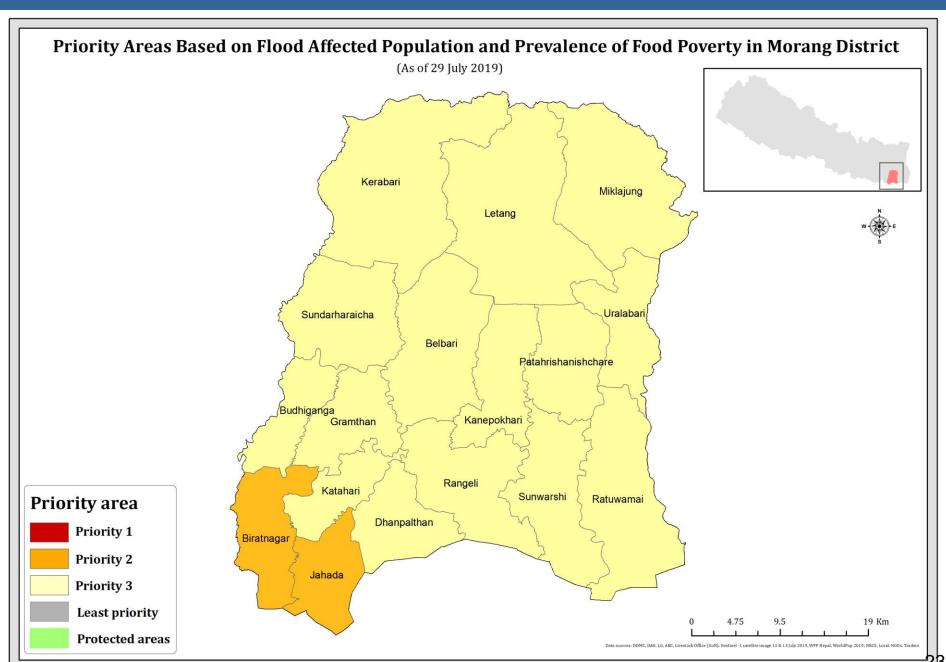
ANNEX 6.h Saptari (29 July)



ANNEX 6.i Sunsari (29 July)



ANNEX 6.j Morang (29 July)



ANNEX 6.k Jhapa (29 July)

