

The Afghanistan Agrometeorological Monthly Bulletin



Issue No: 54

August 2009



Nangerhar



Bamyán

Agromet Network



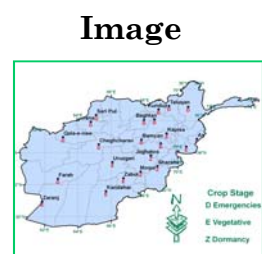
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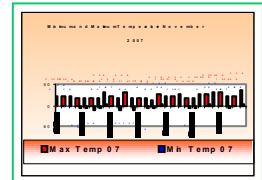
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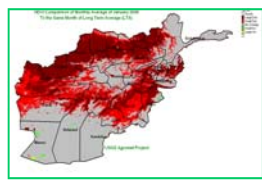
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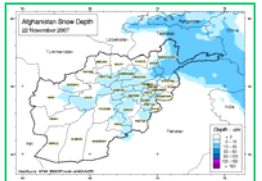
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Province	Damaged lands	Actual mortality	Human morbidity	Affected families
Badkhash	8500 Ach	20	10 several (7 injured)	200
Laghman	2000 Ach	-	-	-
Kapisa	2700 Ach	-	-	00
Kapisa	1000 Ach	-	-	-

Summary

Wheat as a dominated cereal crop has been harvested during Aug 2009 in majority parts of the country except Nuristan Province that wheat is in flowering stage.

Jalalabad with 46 C⁰ was the warmest spot in the country and Bamyan with 7.2 C⁰ experienced lowest temperature during the month of Aug 2009.

Snow pack remains confined to the highest elevations of the Northeastern, as is typical for this time of year.

Comparison of monthly average of NDVI for the month of August 2009 with the same month in 2008 map(9) shows large increase of NDVI in the Northeastern region during the of August 2009 compared to the same month of last year.

During the month of August we had some flooding in some parts of the country which had some casualties and damages to the Agriculture lands.

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Shakardara	Karizmir	Wheat is already harvested in these areas.		
		Paghman	Paghman			
		Kabul	Darulaman			
		Sarubi	Sarubi			
	Panjsher	Dara	Dara			
		Dashtak	Dashtak			
	Parwan	Syagerd	Syagerd			
		Charikar	Charikar			
	Kapisa	Mahmoodraqi	Mahmoodraqi			
		Kohistan	Kohistan			
Wardak	Chak	Chak				
	Jaghatoos	Jaghatoos				
East Central	Bamyan	Bamyan	Bamyan	Harvesting	Good (better than normal)	Not existed
		Yakawlang	Yakawlang	Harvesting	Good (better than normal)	Not existed
		Panjab	Panjab	Harvesting	Good (better than normal)	Not existed
Eastern	Noristan	Paroon	Paroon	Flowering	Normal	Late planting
		Agam	Agam	Wheat is already harvested in these areas.		
	Nangarhar	Batikot	Ghaziabad			
		Jalalabad	Sheshembagh			
		Jalalabad	Farm Jadeed			
	Konar	Asmar	Asmar			
		Asadabad	Asadabad			
	Laghman	Mihtarlam	Mihtarlam			

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Wheat Crop Stage	Crop Condition	Adverse Factor
Northeast	Takhar	Bangi	Bangi	Wheat is already harvested in these areas.		
		Taluqan	Taluqan			
	Kunduz	Imam Sahib	Imam Sahib			
		Qaliazal	Aqtipa			
		Chardara	Chardara			
		Kunduz	Kunduz			
	Baghlan	Pulikhomri	Pozaishan			
	Badakhshan	Faizabad	Faizabad			
South Eastern	Khost	Khost	Khost			
		Khost	Shimal			
		Ali Sher	Ali Sher			
	Paktai	Zormat	Rohani Baba			
		Gardiz	Tera			
	Paktika	Urgon	Urgon			
		Sharana	Sharana			
		Khairkot	Khairkot			
	Ghazni	Muqur	Muqur			
		Andar	Bande Sardi			
Southern	Nimroz	Zaranj	Zaranj			
	Kandahar	Kandahar	Kandahar			
	Zabul	Qalat	Qalat			
	Urozgan	Trinkot	Trinkot			
	Hilmand	Nad Ali	Nad Ali			
		Greshk	Greshk			
		Nawa	Nawa			
		Lashkargah	Bolan			
North	Balkh	Dihdadi	Dihdadi			
		Nahrishahi	Nahrishahi			
	Jawzjan	Sheberghan	Darzab			
		Darzab	Darzab			
	Saripul	Saripul	Saripul			
		Sozmaqala	Sozmaqala			
	Faryab	Maimana	Maimana			
	Samangan	Aibak	Aibak			
Dara Souf Bala		Dara Souf Bala				
Western	Badghis	Qalainow	Qalainow			
		Muqur	Muqur			
	Ghor	Chaghcharan	Chaghcharan			
	Hirat	Shindand	Shindand			
		Zindajan	Zindajan			
		Gwazara	Falahat			
		Hirat	Farm Urdokhan			
	Farah	Farah	Farah			

Crop Stage, Crop Condition and Adverse Factor

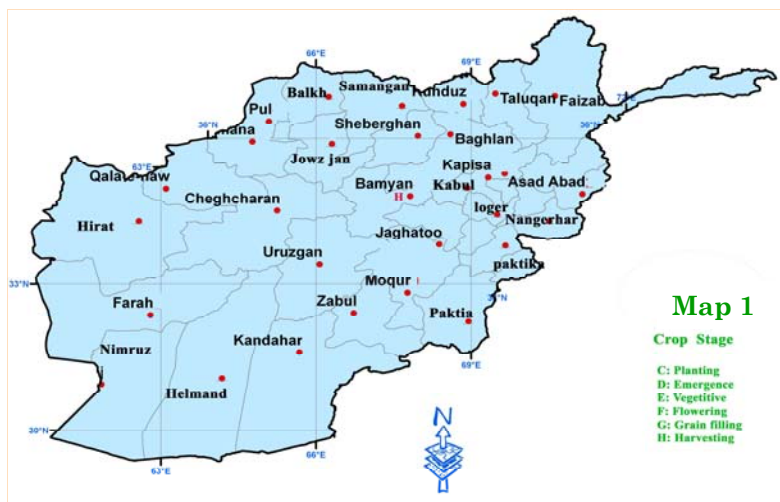
Zone	Province	District	Station	Maize Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Sarubi	Sarubi	Flowering	Normal	Storm and Flood
	Panjsher	Dashtak	Dashtak	Flowering	Normal	Not existed
	Karizmir	Shakardara	Shakardara	Vegetative	Normal	Not existed
	Parwan	Charikar	Charikar	Flowering	Normal	Not existed
	Kapisa	Mahmoodraqi	Mahmoodraqi	Flowering	Normal	Flood damaged 100 Jrreb lands
Eastern	Noristan	Paroon	Paroon	Flowering	Normal	Not existed
	Nangarhar	Agam	Agam	Flowering	Normal	Storm and Flood
		Batikot	Ghaziabad	Grainfilling	Normal	Storm and Flood
		Jalalabad	Sheshembagh	Grainfilling	Normal	Storm and Flood
		Jalalabad	Farm Jadeed	Grainfilling	Normal	Storm and Flood
	Konar	Asmar	Asmar	Vegetative	Normal	Not existed
		Asadabad	Asadabad	Vegetative	Normal	Not existed
Laghman	Mihtarlam	Mihtarlam	Vegetative	Normal	Not existed	
Northeast	Takhar	Bangi	Bangi	Flowering	Normal	Cut worm
		Taluqan	Taluqan	Flowering	Normal	Cut worm
	Kunduz	Imam Sahib	Imam Sahib	Flowering	Normal	Cut worm
		Qaliazal	Aqtipa	Flowering	Normal	Cut worm
		Chardara	Chardara	Flowering	Normal	Cut worm
		Kunduz	Kunduz	Flowering	Normal	Cut worm
	Baghlan	Pulikhomri	Pozaishan	Flowering	Normal	Not existed
	Badakhshan	Faizabad	Faizabad	Vegetative	Normal	Not existed
South Eastern	Khost	Khost	Khost	Grain filling	Good (better than normal)	Not existed
		Khost	Shimal	Flowering	Good (better than normal)	Not existed
		Ali Sher	Ali Sher	Flowering	Good (better than normal)	Not existed
	Paktai	Zormat	Rohani Baba	Flowering	Good (better than normal)	Not existed
		Gardiz	Tera	Flowering	Normal	Not existed
	Paktika	Urgon	Urgon	Grainfilling	Normal	Not existed
		Sharana	Sharana	Flowering	Normal	Not existed
		Khairkot	Khairkot	Flowering	Normal	Not existed
Ghzni	Muqur	Muqur	Flowering	Normal	Not existed	
South Western	Kandahar	Kandahar	Kandahar	Vegetative	Normal	Not existed
	Zabul	Qalat	Qalat	Vegetative	Normal	Not existed
	Urozgan	Tarinkot	Tarinkot	Vegetative	Normal	Not existed
	Hilmand	Nad Ali	Nad Ali	Flowering	Normal	Not existed
		Greshk	Greshk	Flowering	Normal	Not existed
		Nawa	Nawa	Flowering	Normal	Not existed
		Lashkargah	Bolan	Flowering	Normal	Not existed
North	Balkh	Dihdadi	Dihdadi	Flowering	Normal	Not existed
		Nahrishahi	Nahrishahi	Flowering	Normal	Not existed
	Jawzjan	Sheberghan	Sheberghan	Vegetative	Normal	Not existed
		Darzab	Darzab	Vegetative	Normal	Not existed
	Saripul	Saripul	Saripul	Vegetative	Normal	Not existed
		Sozmaqala	Sozmaqala	Vegetative	Normal	Not existed
	Faryab	Maimana	Maimana	Vegetative	Normal	Not existed
	Samangan	Aibak	Aibak	Vegetative	Normal	Not existed
Dara Souf Bala		Dara Souf Bala	Vegetative	Normal	Not existed	
Western	Badghis	Qalainow	Qalainow	Vegetative	Normal	Not existed
		Muqur	Muqur	Vegetative	Normal	Not existed
	Hirat	Shindand	Shindand	Flowering	Normal	Not existed
		Hirat	Zindajan	Flowering	Normal	Not existed
	Farah	Farah	Farah	Flowering	Normal	Not existed

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Rice Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Sarubi	Sarubi	Grain filling	Normal	Not existed
		Agam	Agam	Flowering	Good (better than normal)	Not existed
Eastern	Nangarhar	Batikot	Ghaziabad	Grain filling	Good (better than normal)	Not existed
		Jalalabad	Sheshembagh	Grain filling	Good (better than normal)	Not existed
		Jalalabad	Farm Jadeed	Grain filling	Good (better than normal)	Not existed
		Asmar	Asmar	Flowering	Good (better than normal)	Not existed
	Konar	Asadabad	Asadabad	Flowering	Good (better than normal)	Not existed
		Laghman	Mihtarlam	Mihtarlam	Flowering	Good (better than normal)
	Northeast	Takhar	Bangi	Bangi	Flowering	Normal
Taluqan			Taluqan	Flowering	Normal	Cut worm
Kunduz		Imam Sahib	Imam Sahib	Grain filling	Normal	Not existed
		Qaliazal	Aqtipa	Flowering	Normal	Not existed
		Chardara	Chardara	Flowering	Normal	Not existed
		Kunduz	Kunduz	Grain filling	Normal	Not existed
Baghlan		Pulikhomri	Pozaishan	Flowering	Normal	Not existed
Badakhshan		Faizabad	Faizabad	Vegetative	Normal	Not existed
South Eastern	Khost	Khost	Khost	Flowering	Normal	Not existed
		Khost	Shimal	Flowering	Normal	Not existed
		Ali Sher	Ali Sher	Flowering	Normal	Not existed
	Paktai	Zormat	Rohani Baba	Flowering	Normal	Not existed
		Gardiz	Tera	Vegetative	Normal	Not existed
	Paktika	Urgon	Urgon	Vegetative	Normal	Not existed
		Sharana	Sharana	Vegetative	Normal	Not existed
Khairkot		Khairkot	Vegetative	Normal	Not existed	
North	Balkh	Dihdadi	Dihdadi	Flowering	Normal	Not existed
		Nahrishahi	Nahrishahi	Flowering	Normal	Not existed
	Jawzjan	Sheberghan	Sheberghan	Vegetative	Normal	Not existed
		Darzab	Darzab	Vegetative	Normal	Not existed
	Saripul	Saripul	Saripul	Vegetative	Normal	Not existed
		Sozmaqala	Sozmaqala	Vegetative	Normal	Not existed
	Faryab	Maimana	Maimana	Vegetative	Normal	Not existed
	Samangan	Aibak	Aibak	Vegetative	Normal	Not existed
		Dara Souf Bala	Dara Souf Bala	Vegetative	Normal	Not existed
Western	Badghis	Qalainow	Qalainow	Vegetative	Normal	Not existed
	Hirat	Shindand	Shindand	Grainfilling	Normal	Not existed
		Hirat	Zindajan	Grainfilling	Normal	Not existed

Crop Stage, Crop Condition and Adverse Factor, Maps

Wheat Crop Stage - August 2009



Wheat Crop Condition - August 2009

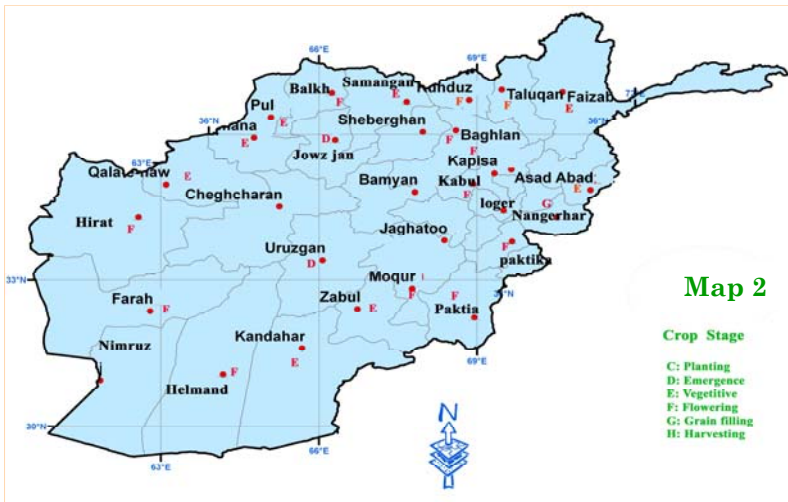
Not Existed

Wheat - Adverse Factor - August 2009

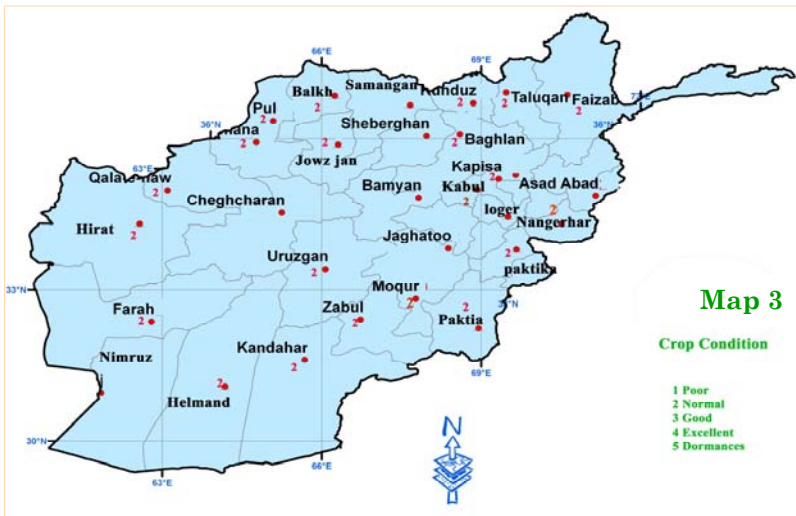
Not Existed

Crop Stage, Crop Condition and Adverse Factor, Maps

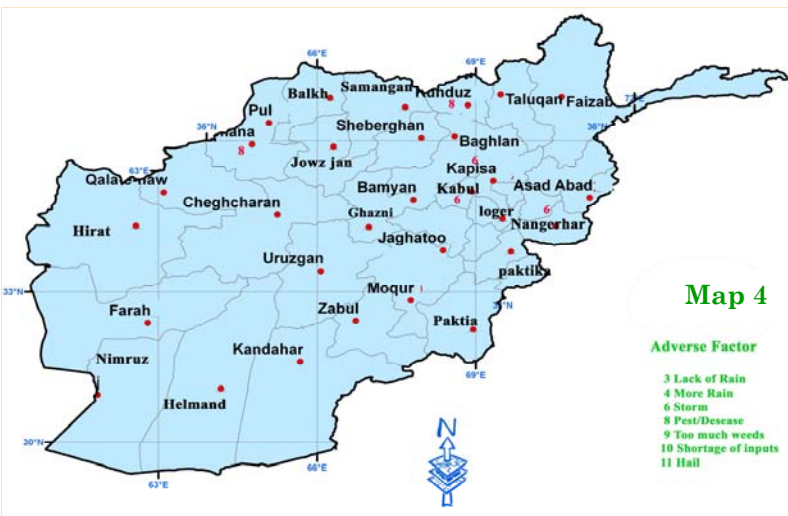
Maize - Crop Stage - August 2009



Maize - Crop Condition - August 2009



Maize - Adverse Factor - August 2009

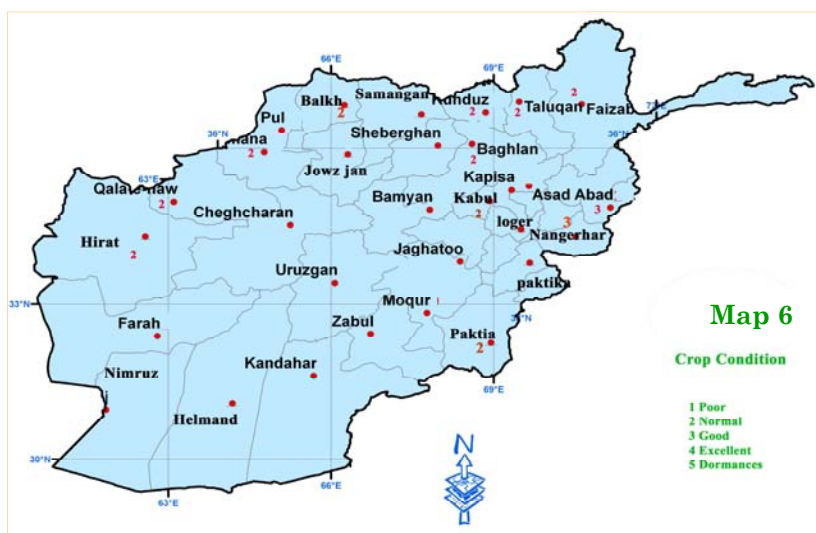


Crop Stage, Crop Condition and Adverse Factor, Maps

Rice - Crop Stage - August 2009



Rice - Crop Condition - August 2009



Rice - Adverse Factor - August 2009



Precipitation

During the month of August 2009 most parts of the country experienced less rainfall than expectation, monsoon system which was pushing adequate moisture inside the country was not so active, just in late August the Eastern and Southeastern regions and some parts of the Capital region experienced rain showers which were accompanied by flash flooding.

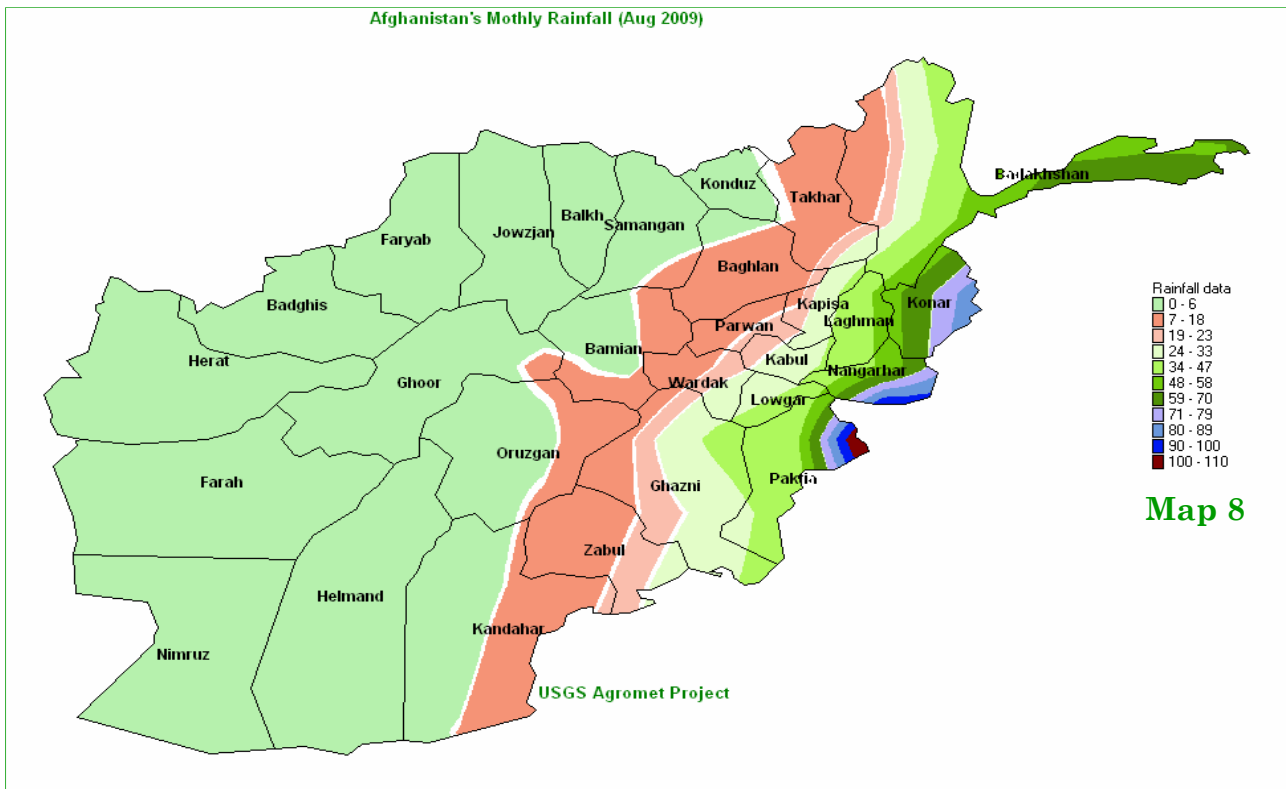
Overall, the country rainfall had a decrease during the month of August 2009 compared to the same month of in last year.

Comparison of rainfall data for the month of August 2009 with the same month in 2008 chart(1) shows a decrease of rainfall during the month of August 2009 compared to the same month of last year, however

rainfall had an increase in Asmar, Darulaman, Gardiz, Karizmir and Paghman during the month of August 2009 over the same month of last year, but monthly total of rainfall for the month of August 2009 had a decrease compared to the same month of last year.

The percentage+/- of rainfall shown in next page table (1).

Comparison of rainfall data for the month of August 2009 with the same month of long term average chart (2) shows an increase of rainfall during the month of August 2009 compared to the same month of long term average around the country. The percentage +/- of rainfall shown in table (2).

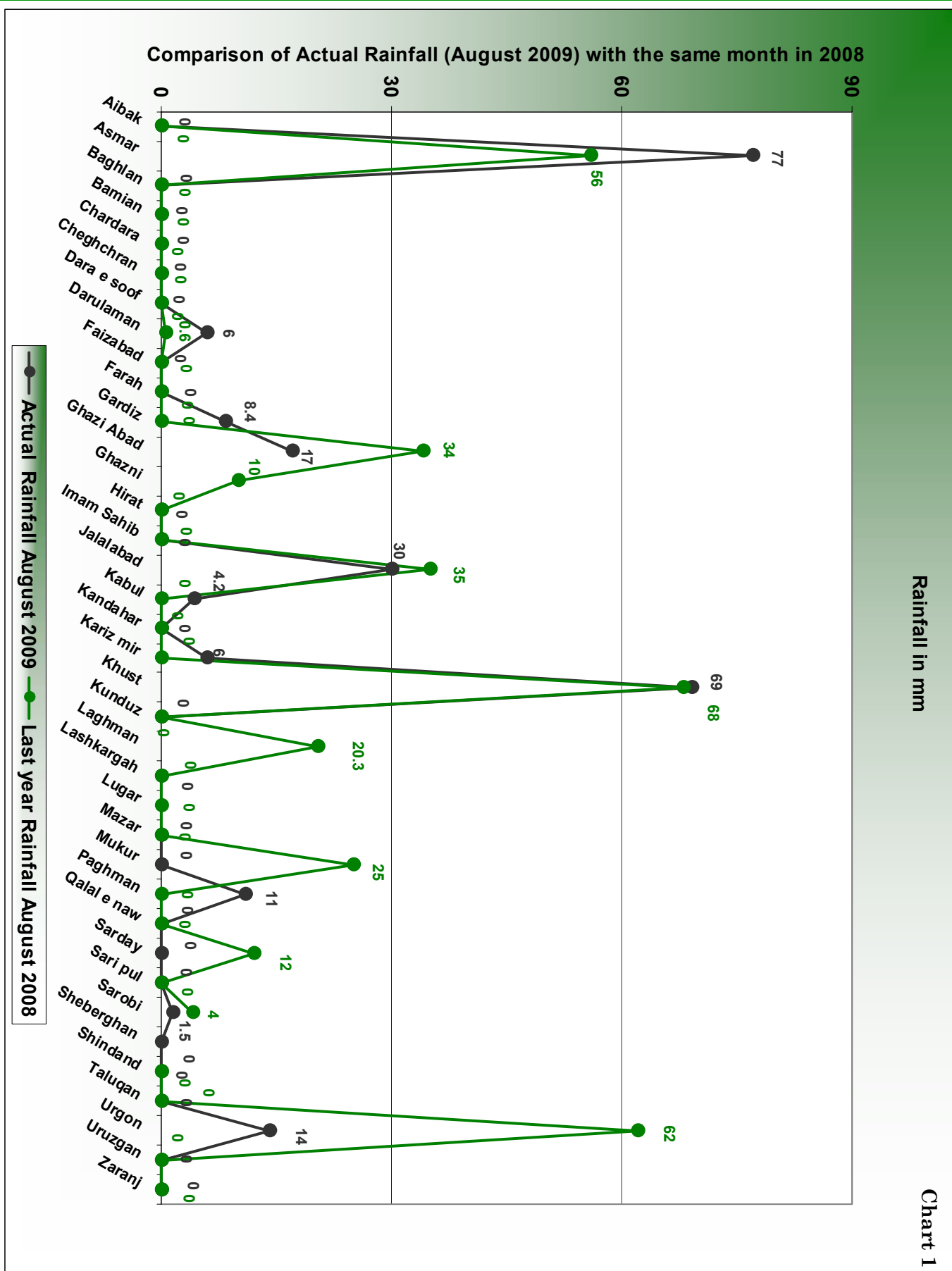


Distribution of rainfall was variable in different regions of the country during the month of August 2009.

As map (8) shows most amount of rainfall occurred in the Southeastern and Eastern regions ,distribution of rainfall wad variable in different regions of the country during the month of August 2009.

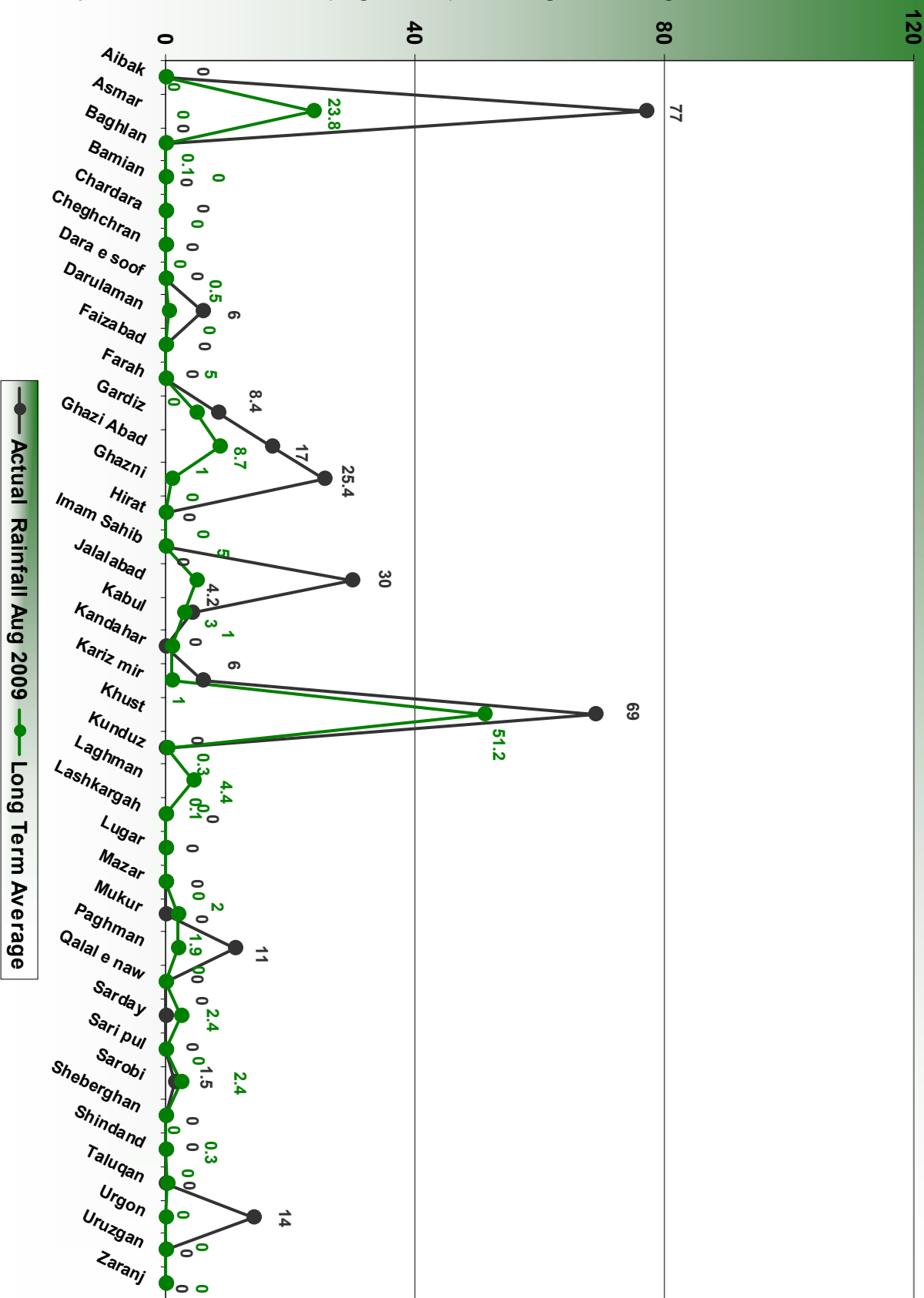
As map (8) shows most amount of rainfall occurred in the Southeastern and Eastern regions, the Northeastern region, Capital and some parts of the southern region experienced leas rainfall, the remaining regions of the country dried out during the month of August 2009.

Rainfall Graphs for the Month of August 2009



Rainfall Graphs for the Month of August 2009

Comparison of Actual Rainfall (August 2009) with Long term average to the same month



Rainfall in mm

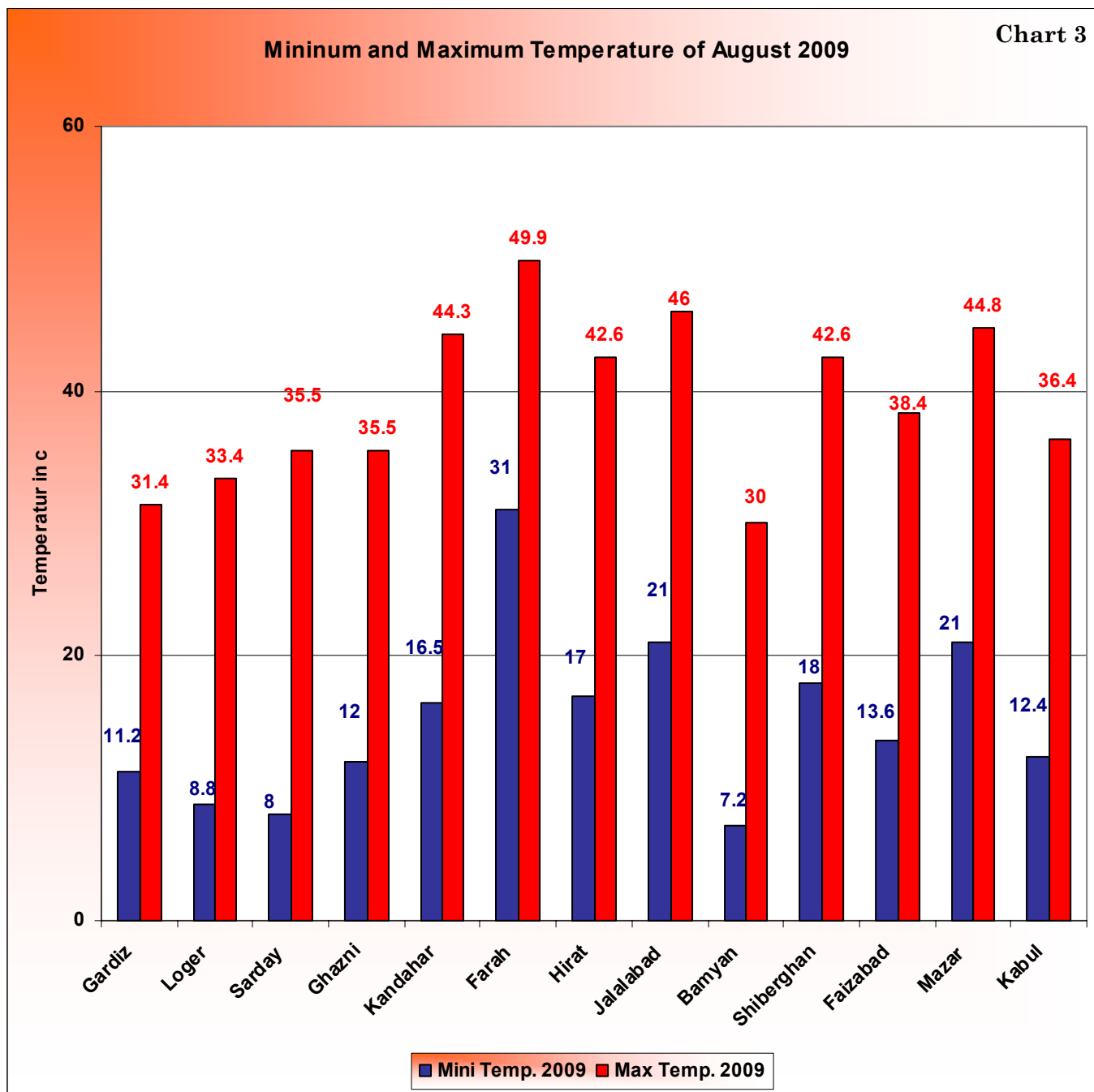
Chart 2

Rainfall for the Month of August 2009

Table 2

Name	Actual Rainfall August 2009	Last year Rainfall August 2008	Long Term Average
Aibak	0	0	0
Asmar	77	56	23.8
Baghlan	0	0	0
Bamian	0	0	0
Chardara	0	0	0.1
Cheghchran	0	0	0
Dara e soof	0	0	0
Darulaman	6	0.6	0.5
Faizabad	0	0	0
Farah	0	0	0
Gardiz	8.4	0	5
Ghazi Abad	17	34	8.7
Ghazni	0	10	1
Hirat	0	0	0
Imam Sahib	0	0	0
Jalalabad	30	35	5
Kabul	4.2	0	3
Kandahar	0	0	1
Kariz mir	6	0	1
Khust	69	68	51.2
Kunduz	0	0	0.3
Laghman		20.3	4.4
Lashkargah	0	0	0.1
Lugar	0	0	0
Mazar	0	0	0
Mukur	0	25	2
Paghman	11	0	1.9
Qalal e naw	0	0	0
Sarday	0	12	2.4
Sari pul	0	0	0
Sarobi	1.5	4	2.4
Sheberghan	0		0
Shindand	0	0	0
Taluqan	0	0	0.3
Urgon	14	62	0
Uruzgan	0	0	0
Zaranj	0	0	0

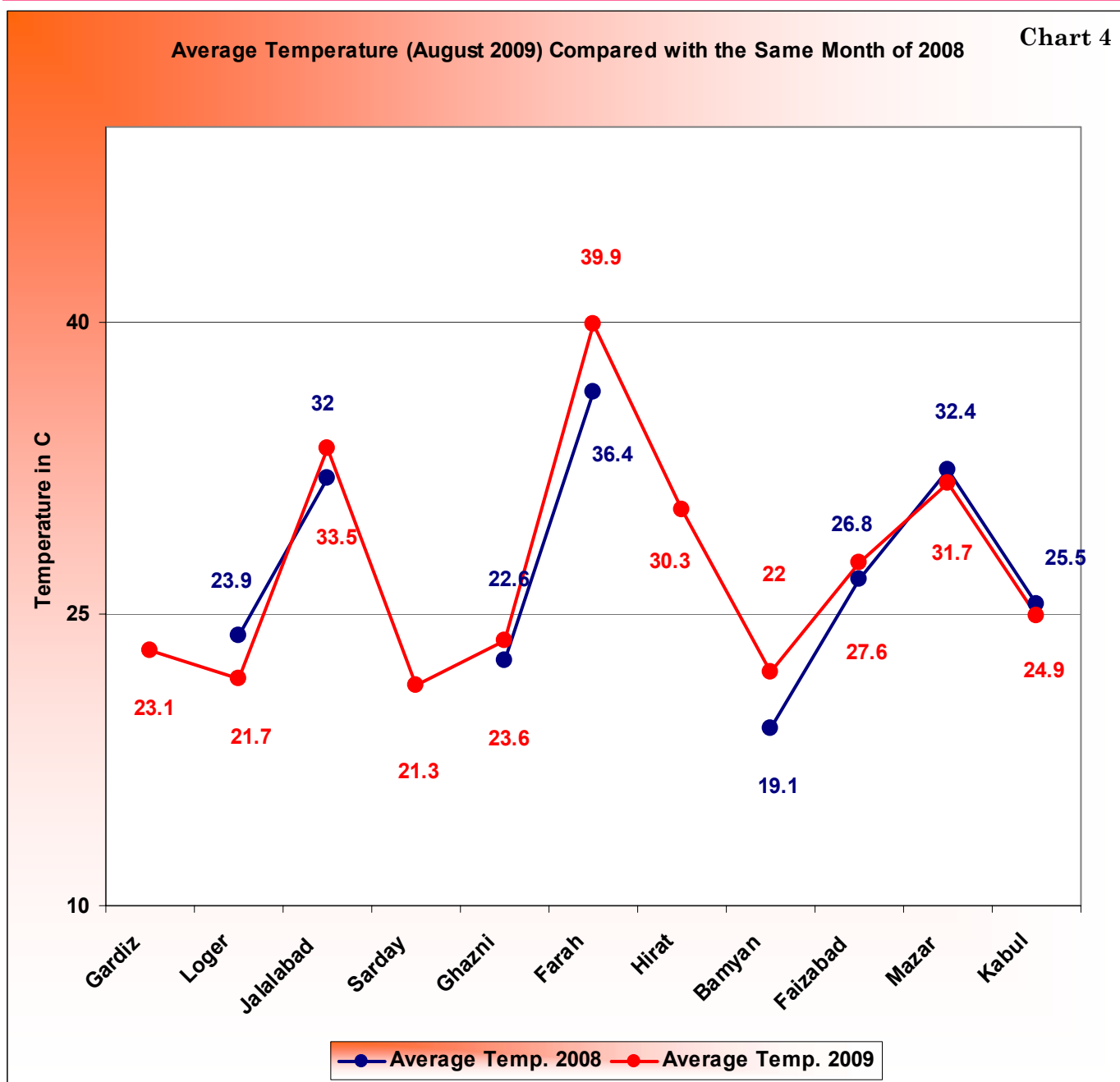
Average Temperature for the Month of August 2009



Jalalabad with 46 C° was the warmest spot in the country during the month of August 2009 but, Bamyan with 7.2C°experienced the lowest temperature.

Chart (3) shows maximum and minimum warmest spot of the country during the month temperature for the month of August 2009. As of August and Bamyan with 7.2C°experienced chart (3) shows Jalalabad with 46 C° was the lowest temperature .

Temperature for the Month of August 2009

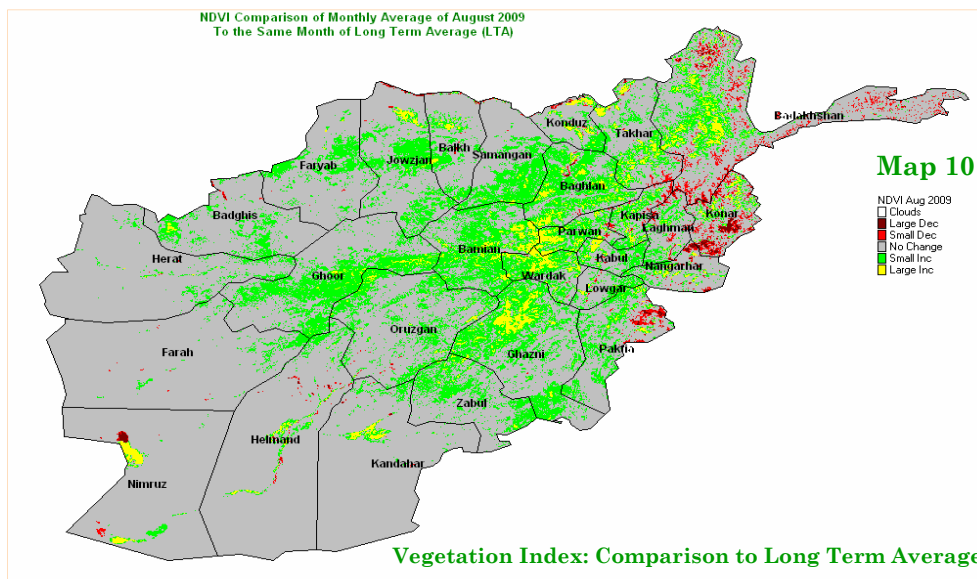
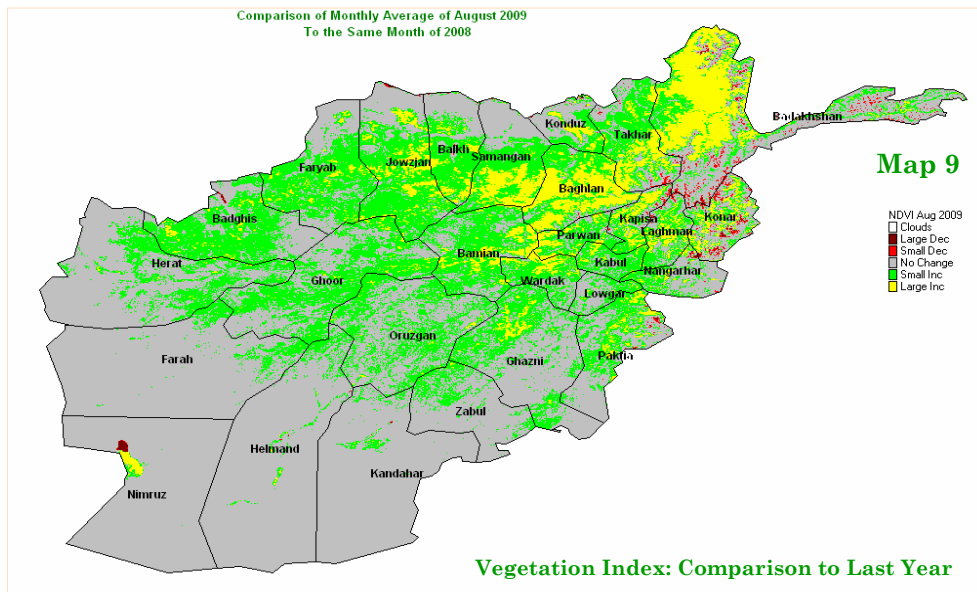


Temperature had not significant change during the month of August 2009 over the same month of last year.

Temperature had not significant change during the month of August 2009 compared to the same month of last year across the country, but temperature was slightly colder in high elevations.

Comparison of monthly average of temperature for the month of August 2009 with the same month in 2008 chart (4) shows temperature had not significant change during the month of August 2009 over the same month of last year.

Comparison of NDVI August 2009



NDVI: August 2009

Comparison of monthly average of NDVI for the month of August 2009 with the same month in 2008 map(9) shows large increase of NDVI in the Northeastern region during the of August 2009 compared to the same month of last year.

Small increase occurred in NDVI value occurred in the Northern region, Northwestern region, Central Highlands, some parts of the Western region, some parts of the Southern and Eastern regions during the month of August 2009 over the same month 10 2008.

There is no change of NDVI in the Southern and Southwestern regions during the month of August 2009 compared to the same month of last year.

Comparison of monthly average of NDVI for the month of August 2009 with the same month long term average map (10) shows small increase of NDVI in some parts of the Northern region, Northeastern, Capital, some parts of the Central Highlands and some parts of the Southeastern region during the month of August 2009 compared to the same month of long term average.

Small decrease occurred in NDVI as separated in limited area in the Eastern region.

There is no change in NDVI value in the remaining regions of the country during the month of August 2009 over the same month of long term average.

Flood information

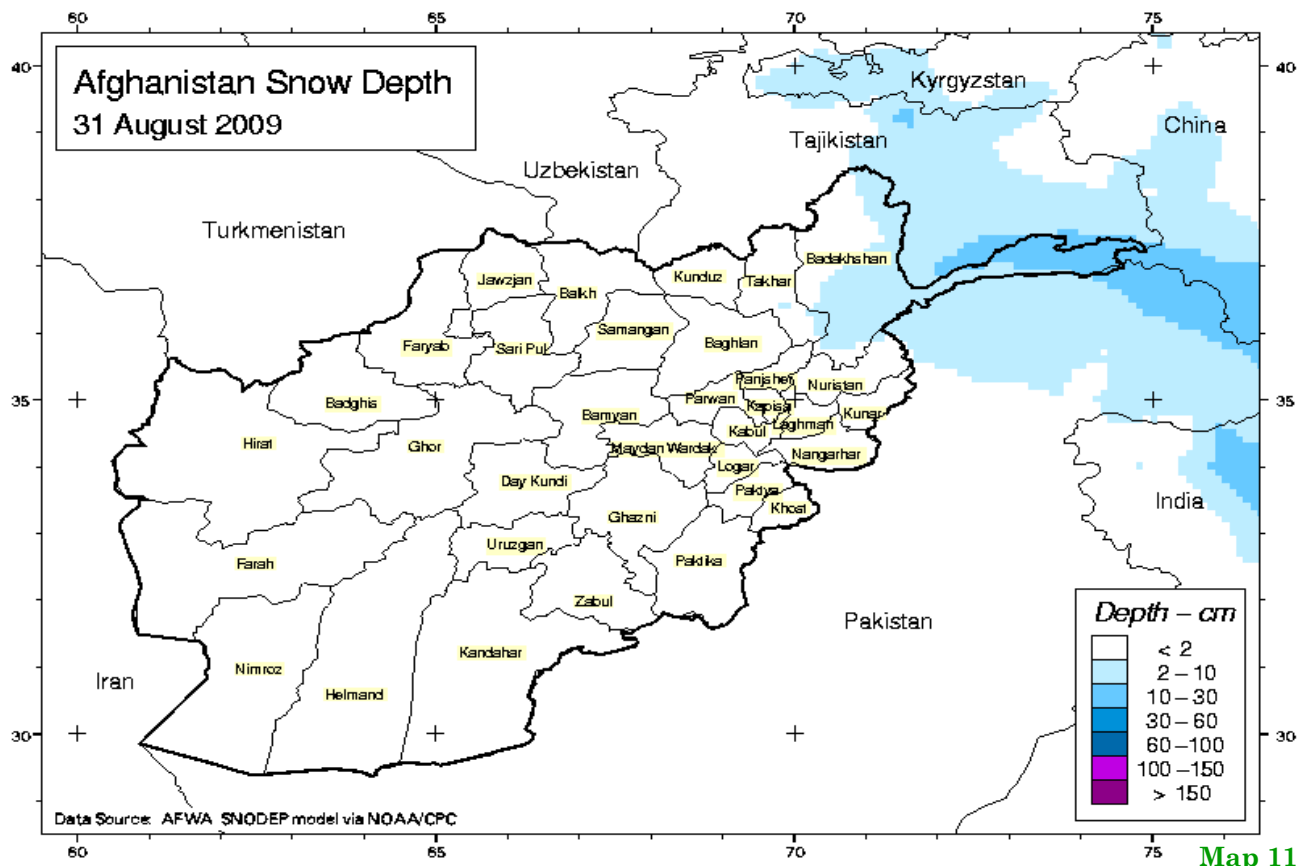
Brief information about flooding during the month of August 2009

Province	Damaged lands	Animal mortality	Human mortality	Affected families
Nangarhar	400 Jreb	50	10 mortal 17 injured	500
Laghman	3900 Jreb	-	-	-
Kunarha	2700 Jreb	-	-	30
Kapisa	1000 Jreb	-	-	-

Historical flooding in Afghanistan.

Month	Number of historical flood	Number of flood August 2009
Jan	3	0
Feb	4	0
Mar	7	0
April	14	0
May	8	0
June	8	0
July	11	0
Aug	6	4
Sep	5	0
Oct	0	0
Nov	4	0
Dec	1	0

Afghanistan Snow Depth for the of August 2009



However August is not the snow month, but during the winter months an unusually deep snow pack built up.

Snow pack remains confined to the highest elevations of the Northeastern, as is typical for this time of year.

The Northeastern region is the permanent resource of snow pack map (11) shows remaining snow pack at the end of August 2009 in the high elevation of the Northeastern region, where the snow depth has been recorded 10 to 30 cm.

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