

# The Afghanistan Agrometeorological Monthly Bulletin



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Wardak



Parwan



Takhar

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Agromet Network



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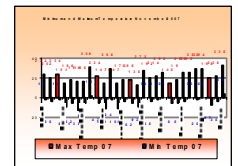
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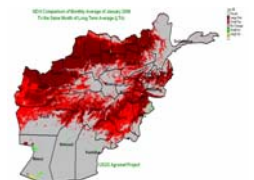
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## Summary

Comparison of rainfall data for the month of June 2008 with the same month of last year shows significant decrease occurred in rainfall during the month of June 2008 over the same month of last year

Comparison of monthly average of NDVI for the month of June 2008 with the same month of long term average shows small decrease of NDVI in the Northeastern regions, Northern region

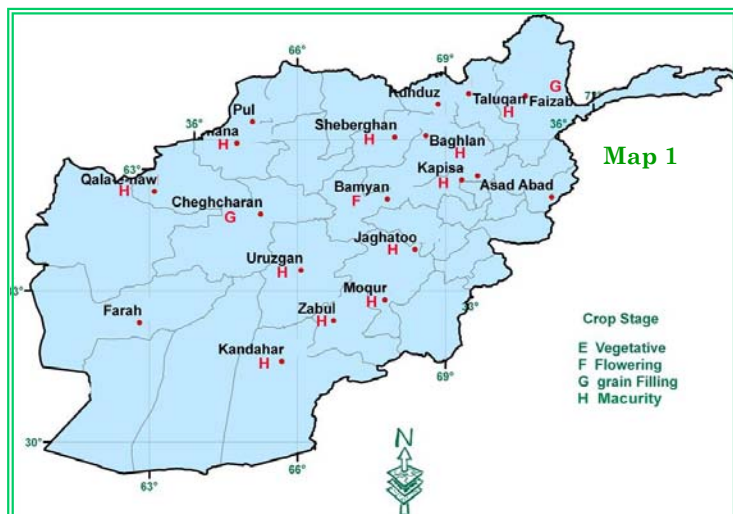
Zone	Provinces	District	Station	Wheat Crop Stage	Crop Condition	Adverse Factor	
Central	Kabul	Shakardara	Karizmir	Grainfilling	Normal	Not existed	
		Paghman	Paghman	Grainfilling	Normal	Less amount of rainfall	
		Sarobi	Sarobi	Already harvested			
	Panjsher	Dara	Dara	Harvesting	Good (better than normal)	Not improved seed, Shortage of Agricultural inputs same as tractors threshers and etc	
		Dashtak	Dashtak	Harvesting	Good (better than normal)	Not improved seed, Shortage of Agricultural inputs same as tractors threshers and etc	
	Parwan	Syagerd	Ghorband	Harvesting	Normal	Wheat Rust and Smut, Fruit Trees Worm	
		Charikar	Charikar	Harvesting	Good (better than normal)	Not improved seed, Shortage of Agricultural inputs, Less amount of rainfall	
	Kapisa	Mahmoodraqi	Mahmoodraqi	Harvesting	Normal	Excessive weeds, Wild oats, wheat Rust and Smut	
	Wardak	Chak	Chak	Grainfilling	Normal	Excessive weeds	
		Jaghato	Jaghato	Harvesting	Good (better than normal)	Worm attacked on Potatoes, Onion and Beans Areas	
East Central	Bamyan	Central Bamyan	Bamyan	Flowering	Normal	Lack of rainfall, Lack of improved seed and Shortage of Agricultural inputs	
		Yakawlang	Yakawlang	Flowering	Normal	Less amount of rainfall, drought and Locust problems in wheat fields	
		Panjab	Panjab	Flowering	Normal	Excessive weeds	
Eastern	Nangarhar	Agam	Agam	Harvesting	Good (better than normal)	Not existed	
		Batikut	Ghaziabad	Already harvested			
		Jalalabad	Sheshem-bagh				
		Jalalabad	Farm Jadeed				
	Konar	Asmar	Asmar				
		Asadabad	Asadabad				
	Laghman	Mihtarlam	Mihtarlam				
North-east	Takhar	Bangi	Bangi	Harvesting	Normal	Locust and Potato Bark beetles	
		Taloqan	Taloqan	Harvesting	Normal	Locust and Potato Bark beetles	
	Kunduz	Imam Sahib	Imam Sahib	Already harvested			
		Aqtipa	Aqtipa				
		Chardara	Chardara				
		Kunduz	Kunduz				
	Baghlan	Baghlan Jadid	Pozaisan	Harvesting	Normal	Less amount of rainfall	
Badakhshan	Faizabad	Faizabad	Grainfilling	Normal	Less amount of rainfall		

## Crop Stage, Crop Condition and Adverse Factor

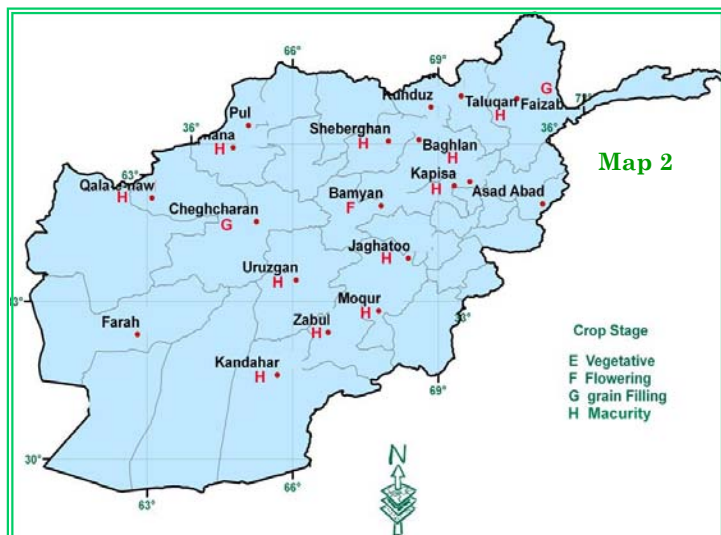
Zone	Provinces	Disti-rect	Station	Wheat Crop Stage	Crop Condition	Adverse Factor
South Eastern	Khost	Khost	Khost			Already harvested
		Shimal	Shimal			
		Ali Sher	Ali Sher			
	Paktai	Gardiz	Rohani Baba	Harvesting	Good (better than normal)	Storm with wind and dusty
		Gardiz	Tera	Grainfilling	Good (better than normal)	Not existed
	Paktika	Urgon	Urgon	Harvesting	Normal	Less amount of rainfall
		Sharana	Sharana	Harvesting	Normal	Less amount of rainfall
		Kairkot	Kairkot	Harvesting	Normal	Less amount of rainfall
Ghazni	Muqur	Muqur	Harvesting	Poor (below normal)	Less amount of rainfall, drought and lack of water in spring and Gully(Kariz)	
	Bande Sardi	Bande Sardi	Grainfilling	Poor (below normal)	Less amount of rainfall	
Southern	Nimroz	Zaranj	Zaranj			Already harvested
	Kandahar	Kandahar	Kandahar	Harvesting	Normal	Shortage of Agricultural inputs as tractors threshers and etc
	Zabul	Qalat	Qalat	Harvesting	Normal	Shortage of Agricultural inputs as tractors threshers and etc
	Urozgan	Tarikot	Tarikot	Harvesting	Normal	Shortage of Agricultural inputs as tractors threshers and etc
	Hilmand	Nad Ali	Nad Ali			Already harvested
		Greshk	Greshk			
Nawa		Nawa				
Lashkargah		Bolan				
North	Balkh	Dihdadi	Dihdadi	Harvesting	Poor (below normal)	Less amount of rainfall and Locust Problems
		Nahrishahi	Nahrishahi	Harvesting	Poor (below normal)	Less amount of rainfall and Locust Problems
	Jawzjan	Sheberghan	Sheberghan	Harvesting	Crop failure, no harvest is expected	100% rain fed wheat and 60% irrigated wheat are destroyed due to the lack of water and rainfall
	Saripul	Saripul	Saripul			Already harvested
		Sozmaqala	Sozmaqala			
	Faryab	Maimana	Maimana	Harvesting	Poor (below normal)	90% rain fed wheat and 50% irrigated wheat are destroyed due to the lack of water and rainfall
Saman-gan	Aibak	Aibak	Harvesting	Crop failure, no harvest is expected	100% rain fed wheat and 60% irrigated wheat are destroyed due to the lack of water and rainfall	
Western	Badghis	Qalainow	Qalainow	Harvesting	Crop failure, no harvest is expected	90% rain fed wheat and 65% irrigated wheat are destroyed due to the lack of water and rainfall
		Muqur	Muqur	Harvesting	Crop failure, no harvest is expected	90% rain fed wheat and 66% irrigated wheat are destroyed due to the lack of water and rainfall
	Ghor	Chaghcharan	Chaghcharan	Grainfilling	Normal	Less amount of rainfall
	Hirat	Shindand	Shindand	Harvesting	Normal	Less amount of rainfall and drought
		Hirat	Farm Urdokhan			Already harvested
	Farah	Farah	Farah			

# Crop Stage, Crop Condition and Adverse Factor

## Wheat Crop Stage - June 2008



## Wheat Crop Condition - June 2008



## Wheat - Adverse Factor June 2008

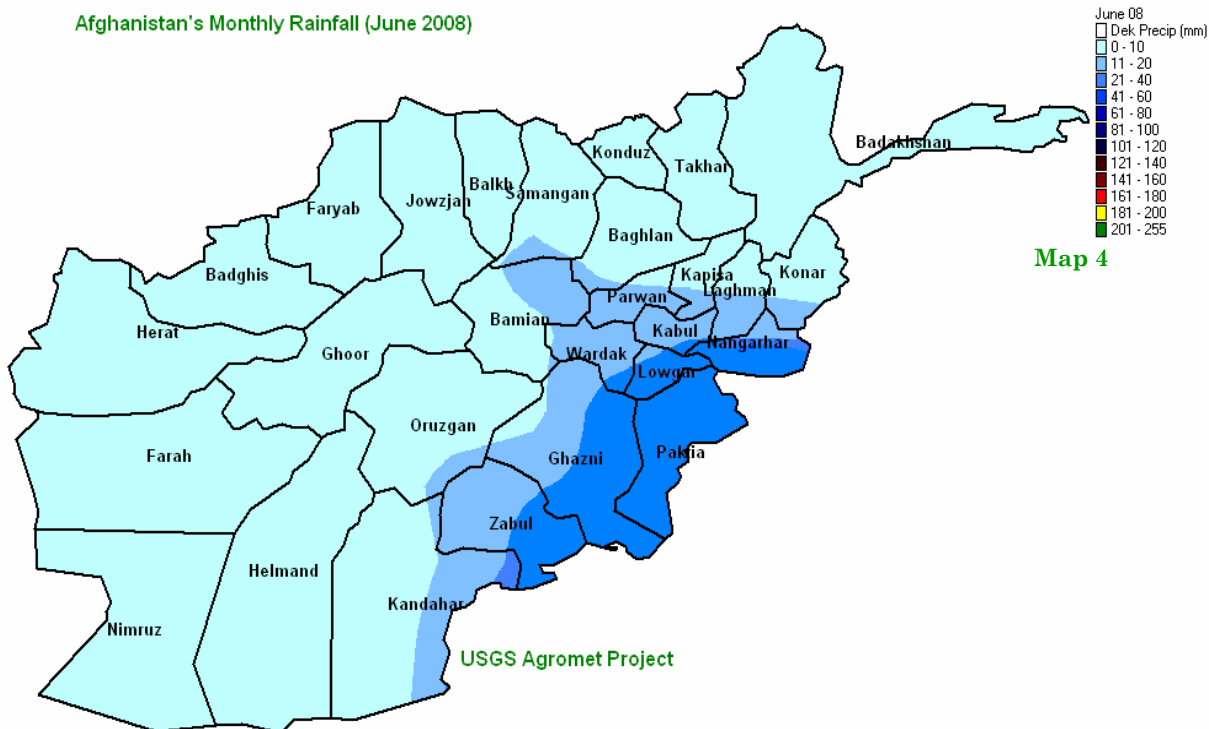


## Rainfall Situation

Rainfall for the month of June 2008 had significant decrease compared to the same month in 2007 all over the country.

Comparison of rainfall data for the month of June 2008 with the same month of last year (Page 5 chart 1 ) shows significant decrease occurred in rainfall during the month of June 2008 over the same month of last year in the whole country. The month of June 2008 was very all over the country. Dryness strongly stressed water recourses f or irrigation, crop production and pastures and had negative impact on agricultural activities allover the country. The percentage +/- of rainfall shown in the next page (table 1 ).Comparison of rainfall for the month of June 2008 with the same month of long term average (Page 6 chart 2 ) shows

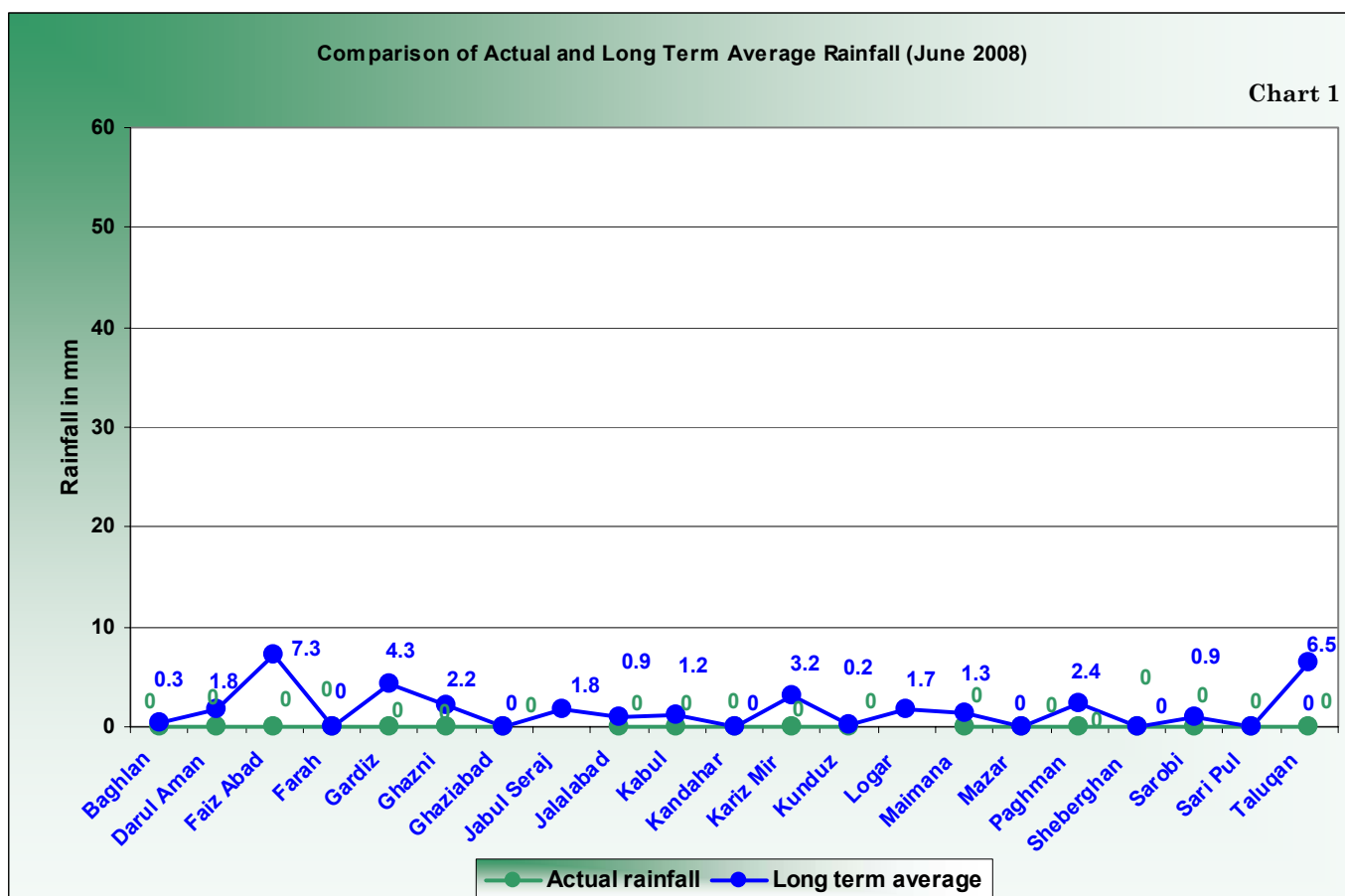
Significant decrease of rainfall during the month of June over the same month of long term average across the country. Dryness conditions during the month of June 2008 while the crops and plants demands was very high for water indeed had strong stress on water reservoirs and inadequate water availability had negative impacts for crop production and pastures, finally reduced crop production during the current agricultural season. The percentage +/- of rainfall shown in next page (table 2 ).



Map ( 4 ) shows rainfall distribution for the month of June 2008 across the country. However the country did not experienced adequate rainfall during the month of June, except the Eastern and southeastern

and some parts of the capital region where the rainfall occurred very low and remaining regions of the country did not experienced any participation.

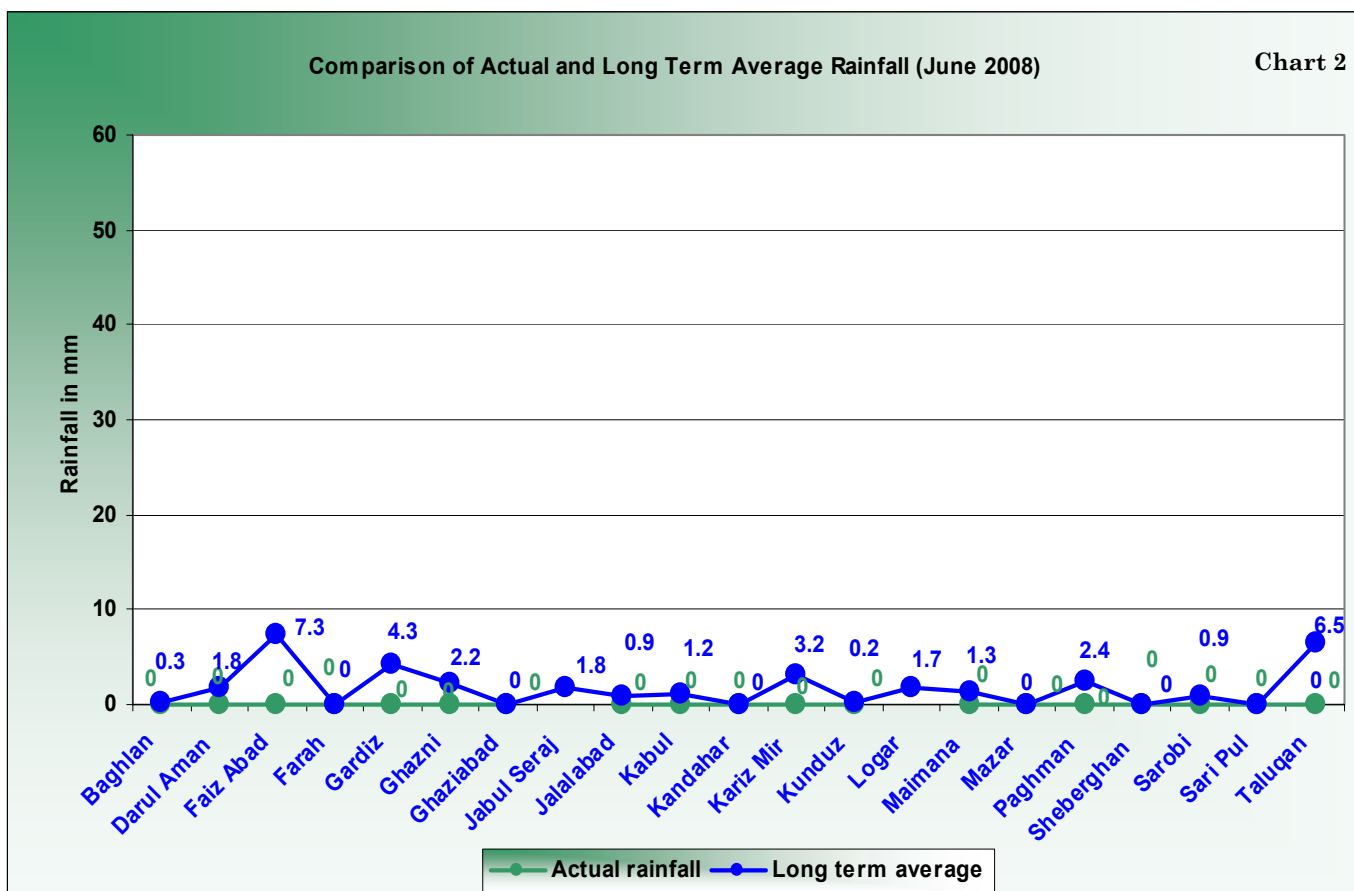
## Rainfall Graphs for the Month of June 2008



Station	Actual rainfall	Last year Rainfall	%
Baghlan	0	7.4	-100
Darul Aman	0	16.3	-100
Faiz Abad	0	11	-100
Farah	0	4	-100
Gardiz	0	17	-100
Ghazni	0	8	-100
Ghaziabad	0	9	-100
Jabul Seraj	0	0	
Jalalabad	0	21	-100
Kabul	0	12.1	-100
Kandahar	0	24.5	-100
Kariz Mir	0	54	-100
Kunduz	0	9	-100
Maimana	0	0	
Mazar	0	5.1	-100
Paghman	0	53.6	-100
Sheberghan	0	0.8	-100
Sarobi	0	15	-100
Sari Pul	0	6	-100
Taluqan	0	4.5	-100

Table 1

## Rainfall Graphs for the Month of June 2008

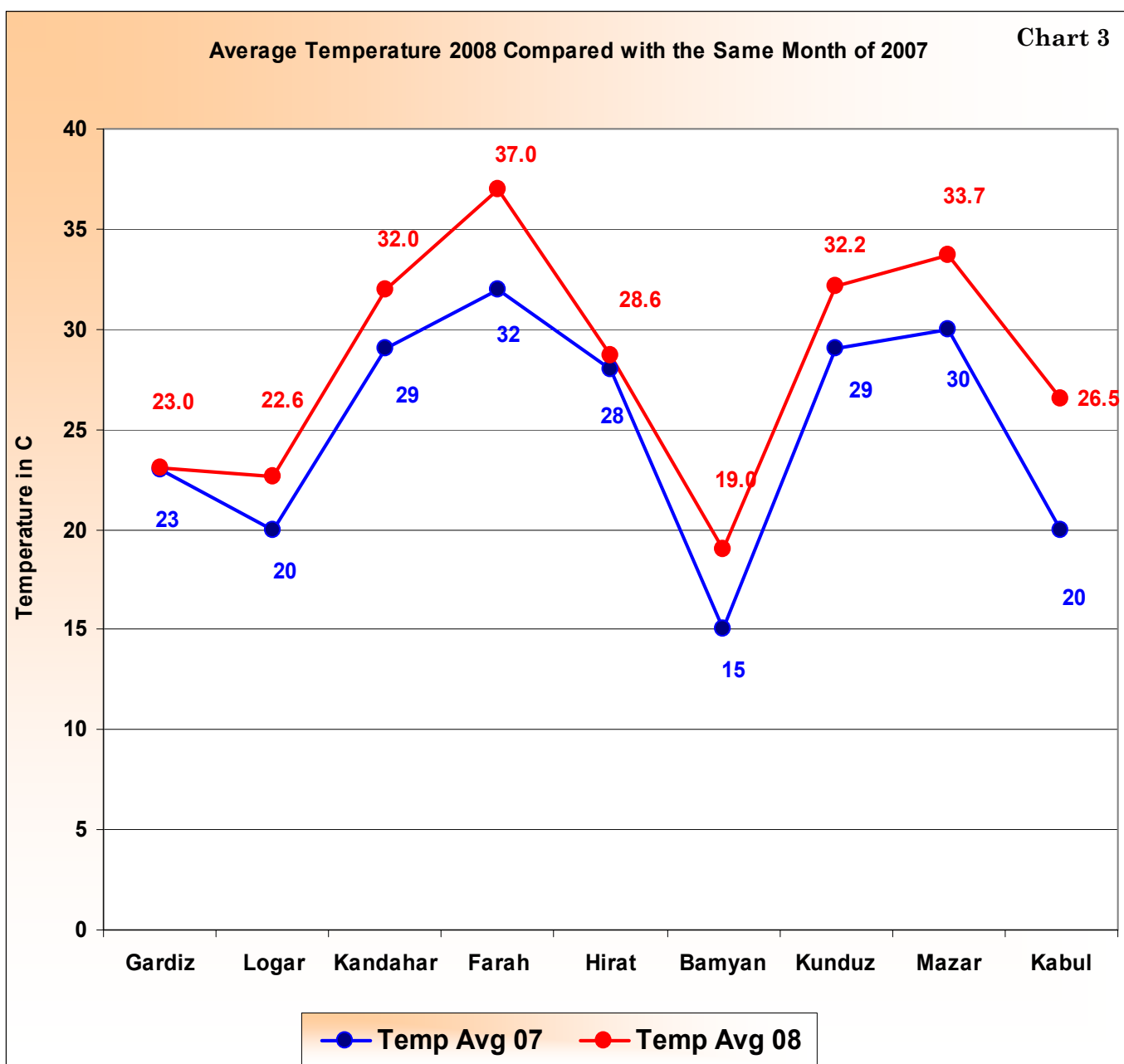


Station	Actual rainfall	Long term average	%
Baghlan	0	0.3	-100
Darul Aman	0	1.8	-100
Faiz Abad	0	7.3	-100
Farah	0	0	
Gardiz	0	4.3	-100
Ghazni	0	2.2	-100
Ghaziabad	0	0	
Jabul Seraj	0	1.8	-100
Jalalabad	0	0.9	-100
Kabul	0	1.2	-100
Kandahar	0	0	
Kariz Mir	0	3.2	-100
Kunduz	0	0.2	-100
Logar	0	1.7	-100
Maimana	0	1.3	-100
Mazar	0	0	
Paghman	0	2.4	-100
Sheberghan	0	0	
Sarobi	0	0.9	-100
Sari Pul	0	0	
Taluqan	0	6.5	-100

Table 2



## Average Temperature for the Month of June 2008

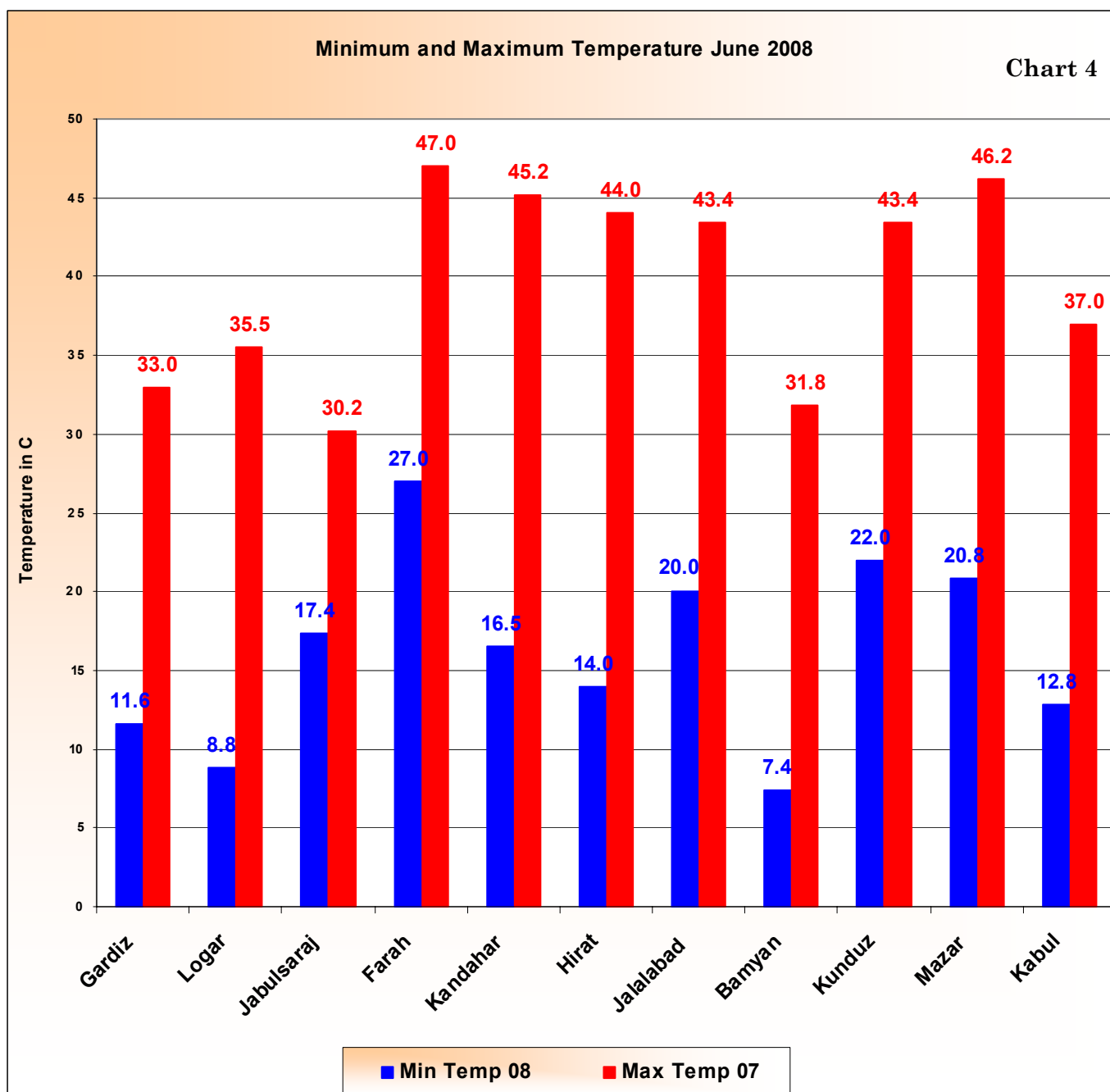


Temperature for the month of June 2008 had increase compared to the same month in 2007.

Temperature for the month of June 2008 was higher compared to the same month in 2007 across the country. Comparison of temperature data for the month of June 2008 with the same month of last year (chart 3) shows increase of temperature during the month of June 2008 over the same month in 2007 around the country.

Temperature departure during the month of June 2008 in some stations was 1 – 3 ° C over the same month of last year and same place such as Kabul the temperature departure was 6.5 ° C. Higher temperature during the month of June 2008 resulted early snow melt and evaporated more water.

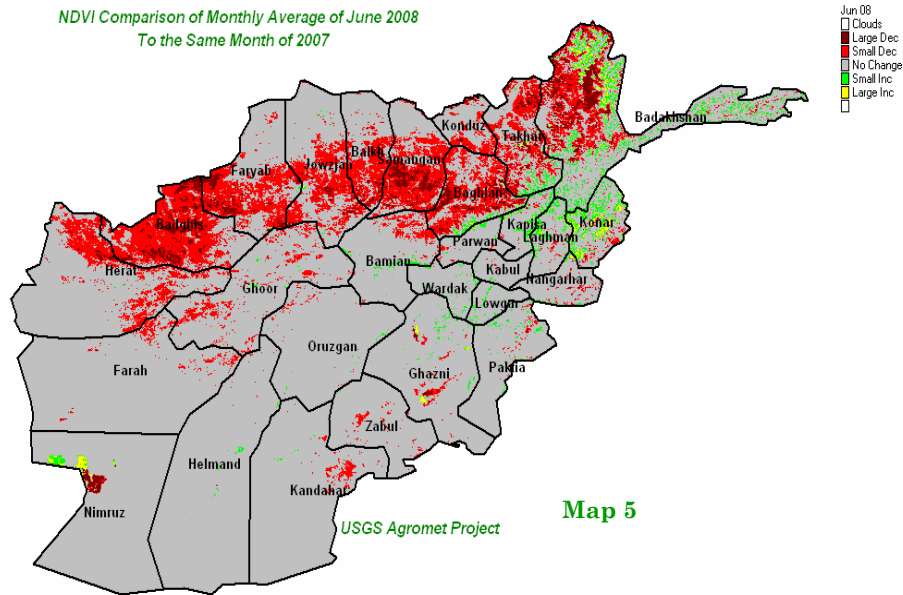
## Temperature for the Month of June 2008



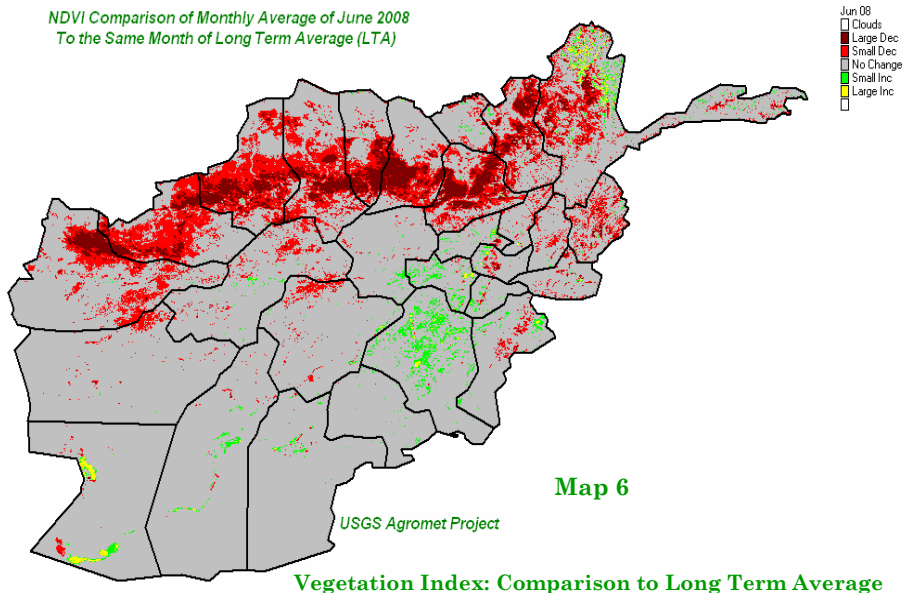
**Farah with 47° C was the warmest Spot in the Country.**

Chart ( 4 ) shows maximum and minimum temperature for the month of June 2008 and Bamyān with 7.4 ° C had lowest temperature. Farah with 47 ° C was the warmest spot

## Comparison of NDVI June 2008



**Vegetation Index: Comparison to Last Year**



**Vegetation Index: Comparison to Long Term Average**

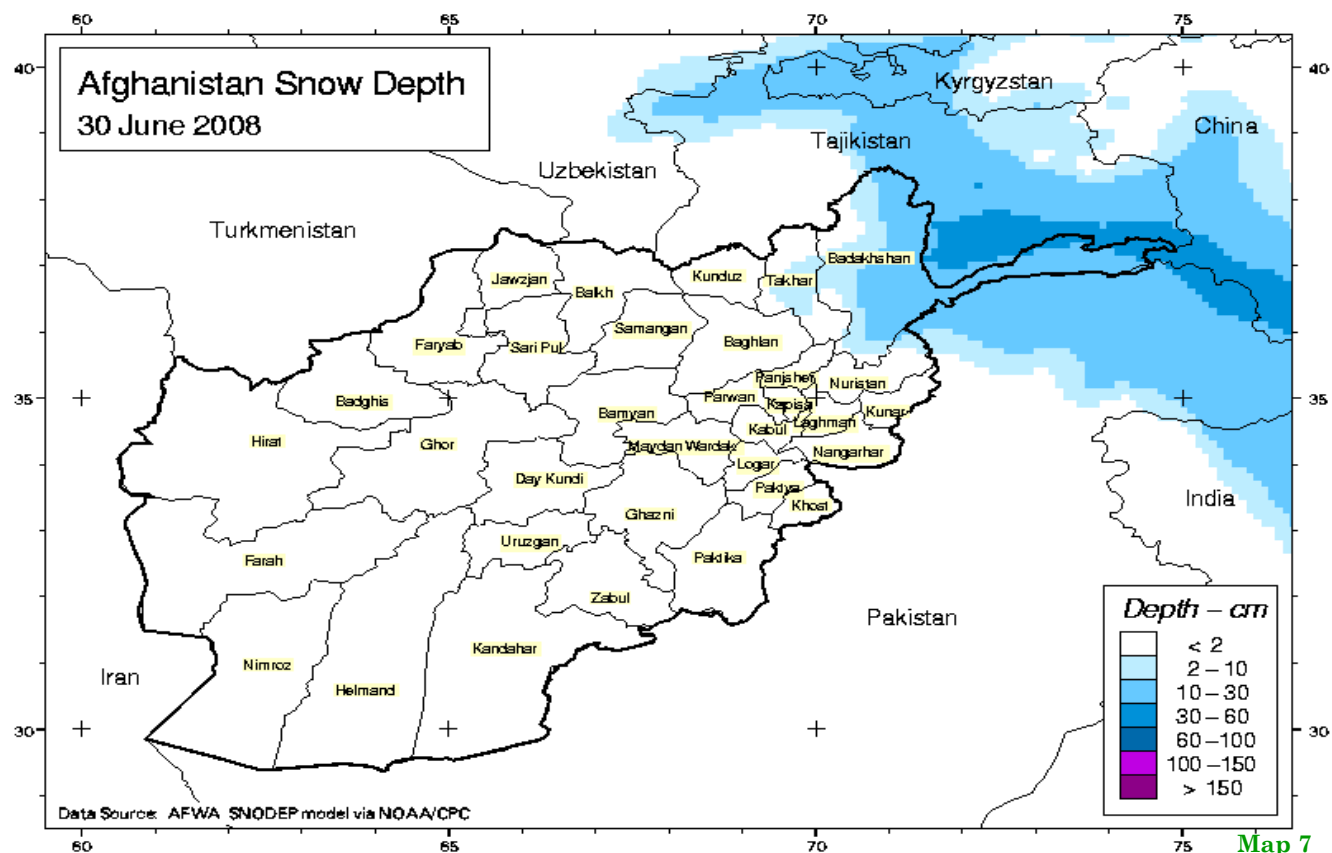
### NDVI: June 2008

Comparison of monthly average of NDVI for the month of June 2008 with the same month of long term average (map 5) shows small decrease of NDVI in the Northeastern regions, Northern region and most parts in the Northeastern regions during the month of June 2008 compared to the same month in 2007 and small increase occurred in NDVI value as separated in the Eastern regions. There is no change in NDVI value in the remaining regions of the country during the month of June 2008 over the same month of last year. Comparison of monthly average of NDVI for the month of June 2008 with the same month of long term average (map 6).

shows small decrease of NDVI in Northwestern region, Northern regions, Northeastern region and some parts of the Eastern region during the month of June 2008 compared to the same month of long term average and small increase occurred in NDVI value in limited area in the Southeastern region.

There is no change in NDVI value in the remaining regions of the country during the month of June 2008 compared to the same month of long term average.

## Afghanistan Snow Depth for the month of June 2008



Depleting much of the country's snow pack earlier than normal resulted snow pack critical because it is used for irrigation, inadequate snowfall during the winter resulted below normal underground water resources which use for both drinking and irrigation and will not have been replenished. The cumulative effect of dryness and livestock and other agricultural activities.

inadequate availability has a direct bearing for crop production, The snow pack now resides only in the highest elevation of the northeastern region and map ( 7 ) shows the remaining snow in the end of June 2008 which the snow depth 10 to 30 cm has been recorded in above mentioned region.

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