

25X1

# 1 0 DEC 1984

MEMORANDUM FOR:	(See Distribution List)	
	Chief, Strategic Resources Division Office of Global Issues	25 <b>X</b> ′
SUBJECT:	Afghanistan: 1984 Grain Assessment	25 <b>X</b> ′
preliminary Octobe Afghanistan. It p conditions, and gi useful indicator o discussion of Kabu principally on ana	thed memorandum is the follow-up to our or assessment of selected crop areas in provides a comprehensive look at regional crop wes our best estimate of 1984 wheat output, a of total food production. It also includes a al's tenuous food situation. The paper is based alysis of satellite imagery taken during the and is augmented with meteorological data	25X1
	Agricultural Assessments Branch, s Division, Office of Global Issues, with a Office of Near East and South	25X <sup>2</sup> 25X <sup>2</sup>
	and questions are welcome and may be addressed cultural Assessments Branch,	25X <sup>2</sup>
		25X <sup>2</sup>
Attachment: Afghanistan: 19 GI M 84-10219, D	84 Grain Assessment ecember 1984,	25X1 25X
		25 <b>X</b> ′

Sanitized Copy Approved for Release 2011/03/15: CIA-RDP85T00287R001200720001-1

25**X**1

Central Intelligence Agency



Washington, D. C. 20505

#### DIRECTORATE OF INTELLIGENCE

# 10 DEC 1984

Afghanistan: 1984 Grain Assessment

#### Summary

A comprehensive analysis of satellite imagery and meteorological data indicates that grain crops this year in Afghanistan suffered moderate damage from adverse weather. Military operations did not have a significant impact on production except in the Panjsher Valley, which produces less than one percent of the total grain crop. We estimate that some 2.7 million tons of wheat--the country's most important food grain--were harvested this year, 300,000 tons less than the estimated output in 1983. About 60 percent of the shortfall is from the dryland crop in the northern plains region, where drought cut production by approximately one-fourth from a year A slight decrease in yields of irrigated crops--caused principally by the drought, but also by military activity-accounts for the balance of the deficit.

25X1

Despite the downturn in wheat production, overall food supplies in Afghanistan should remain generally adequate through the winter, assuming that wheat imports match last year's estimated level of 300,000 to 360,000 tons. Nevertheless. serious localized shortages are likely in areas of concentrated fighting--such as the Panjsher Valley--and in remote areas where weather-induced crop damage was most severe. Moreover, Afghanistan's entire food supply chain--from farm to marketplace-remains extremely fragile. A Soviet effort to deny food to the insurgents could quickly lead to more widespread shortages. Wheat imports from Pakistan--an important supplier--may be reduced in the coming months because of Soviet attempts to stem insurgent infiltration from that country, and Islamabad's reduced The 1985 winter wheat crop--just recently planted--is already being threatened by the carry-over effects of this year's drought.

This paper was prepared by Agricultural Assessments Branch, Strategic Resources Division, Office of Global Issues (AAB/SRD/OGI), with a Office of Near East and South contribution from Comments and questions may be addressed to Asian Analysis. Chief, Agricultural Assessments Branch, OGI, on

GI M 84-10219

25X1

25X1

25X1

25X1

25X1

25X1

# Afghanistan: 1984 Grain Assessment

### Background

Agricultural Constraints. Most of Afghanistan is unsuitable for agriculture because of extensive areas of mountains, deserts, and forests. Soils are poorly structured, the arid continental climate—characterized by hot, dry summers and wet, often harsh, winters—severely limits agricultural output, and precipitation in most areas of the country is inadequate to support dryland farming. Furthermore, farming practices are primitive and largely of a subsistence nature. Little use is made of chemical fertilizer, pesticides or new seed varieties. Farm operations are mostly non-mechanized, with men and draft animals providing the basic power needs.

25X1

Cropping Patterns. Afghanistan contains approximately 8 million hectares of arable land, less than half of which is cultivated due to limited supplies of water. Some 3.3 million hectares of the arable land are irrigated, but because of fallowing practices, only about three-fourths of this area is cropped each year. Irrigated land produces approximately 85 percent of the country's food and industrial crops. Dryland crops occupy about 900,000 hectares and are concentrated mainly in the foothills of the northern plains region (Figure 1).

25X1

Grain crops occupy nearly 90 percent of the total cropped area including nearly all the dry land farming. Wheat, mostly winter wheat, is the staple crop in the Afghan diet and takes up about 60 percent of the area sown to grain. Other grains include corn, rice, and barley. Wheat yields are low by world standards, averaging only about 16-17 quintals per hectare on irrigated land and about five to six quintals on dry land. By comparison, Soviet farmers in neighboring Central Asia republics obtained an average of 24 quintals per hectare of winter wheat on irrigated land and 10 quintals on non-irrigated land during the 1976-80 period.

25X1

Population Trends. Approximately 3.5 million people, out of a pre-war population estimated at 15.3 million, have fled the country to Pakistan and Iran. Rapid growth, however, brought the population back to roughly 14 million by 1984. The exodus occurred primarily from the provinces bordering Pakistan and, to a lesser extent, from those bordering Iran, according to analysis of satellite imagery. Most of the refugees have been from the agrarian and pastoral sectors, which made up 85 percent of the population prior to the Soviet occupation. In addition, many people have migrated to the cities

25X1

A quintal equals 0.1 metric tons.

25X1

GI M 84-10219

in order to escape the military conflict in the countryside and to take advantage of better food supplies.

25X1

Transportation and Food Distribution Networks. distribution and transportation networks are poorly developed in While military actions may have placed new strains Afghanistan. on the system, distribution of food to major markets, or cities, has not been significantly affected according to embassy The vast majority of farmers and villagers--located reporting. great distances by foot trails from any road--are isolated from the principal food markets and have few, if any, grain storage Although the primary road system--which connects the major cities--has remained intact throughout the Soviet occupation, some isolated insurgent attacks have taken place. Our analysis of satellite imagery indicates that bus and truck movement of food supplies have not been impeded significantly on this primary network.

25X1

# Impact of the Soviet Occupation

25X1

Numerous reports from embassy have stated the Soviets have deliberately destroyed crops and disturbed the fragile irrigation system. Extensive imagery covering about 95 percent of Afghanistan's agricultural area does not substantiate the field reporting. According to imagery analysis, it appears that Soviet military actions have not been directed against Afghan agriculture except in the Panjsher Valley, where less than one percent of the total grain crop is produced. We estimate that about three-quarters of the grainfields there were either destroyed or abandoned because of the fighting. For example, crops throughout the valley were burned, including those already cut and shocked, while others suffered damage from mililtary vehicle trackage. This damage implies a military-related loss of about 7,500 tons, or only about three percent of this year's shortfall.

25X1

In the rest of the country, imagery shows that:

- o cropping operations from spring through fall of 1984 took place on schedule;
- o irrigation systems--vital to crop production and vulnerable to disruption--were functioning normally;
- o there has been no apparent change in total arable land use since last year--continuing abandonment of agricultural land near the Pakistan border has been offset by increased cultivation in Herat and other provinces.

25X1

The Soviets and the Afghan central government are continuing measures begun prior to the Soviet occupation to bolster agricultural output. These include increasing the availability of fertilizer and improved varieties of wheat, the amount of agricultural machinery, and the number of technical advisors. For example, several large farm equipment yards were identified

throughout the country on satellite imagery in or near the main cities. These equipment yards contain Soviet grain combines, probable forage harvesters, tractors and farm trailers. New equipment was seen arriving at these yards on flatbed trailers several times during 1984. Soviet grain combines were also observed at a major transshipment facility on the Afghan-Soviet border (37-13N 067-25E), probably awaiting shipment to Afghanistan.

25X1

### 1984 Weather Summary

Available meteorological data--although generally sparse and incomplete--indicates that precipitation throughout Afghanistan was about 50 percent below normal during the November 1983-May 1984 period<sup>2</sup> (Figure 2). This was corroborated by satellite imagery which showed that the country's snowpack, river flows, and lake and reservoir levels were all down from a year ago. Hardest hit was the northern plains region, where virtually all of the non-irrigated crops are grown. Rainfall during the critical February-April period was less than half of normal. Indeed, rain occurred only on 17 days compared to the average of 35 days.

25X1

Despite the precipitation shortfall, we believe that total irrigation supplies this year were only slightly less than in 1983. Satellite imagery showed that most of Afghanistan's rivers had enough water to keep irrigation canals fully charged during periods of peak need. Only in a few cases did river beds dry up earlier than normal. Groundwater reserves also appeared generally adequate during 1984. An estimated 20 percent of the irrigation water comes from underground canals—known as karezs—and from wells.

25X1

# 1984 Wheat Crop

We estimate the 1984 Afghan wheat crop—the country's most important food grain—to be about 2.7 million tons, 300,000 tons less than last year's estimated output. This assessment is based primarily on analysis of satellite imagery, and is supplemented with meteorological data. Total sown area is estimated to be 2.6 million hectares, the same as in 1983. Approximately 95 percent of the country's agricultural areas were analyzed using medium—resolution imagery acquired during the 1984 growing season. In addition, 65 point targets—averaging about

_	All	preci	<u>pitation</u>	in	Afghanistan	occurs	during	the	November	_
May	per per	iod.					- · · · · · · · · · · · · · · · · · · ·		1.0.01.11.10.1	

Afghan government statistics—normally derived from very limited and unreliable information—put the 1983 wheat crop at 2.9 million tons.

25X1

25X1

25X1

crop in the northern plains region—estimated to be down 25 percent from last year's estimated output of 600,000 tons.4 Our preliminary estimate of dryland wheat production—made in mid-October—suggested a 30 percent reduction from last year, but subsequent analysis of additional satellite imagery revealed that crops in the north-central provinces of Balkh, Samangan and Baghlan were slightly better than first estimated. In the rest of the northern plains region, no changes were warranted on the basis of the new imagery; we continue to estimate that wheat yields in the west—in the vicinity of Meymaneh—fell by nearly two-thirds compared to 1983, while those in the east—near Qonduz and Talogan—were cut by about one—third.  An estimated five percent downturn in wheat output on irrigated land accounts for the remainder of this year's shortfall. The reduction is due primarily to the smaller supplies of irrigation water that resulted from the November—May dryspell, and to a lesser extent from military activity, especially in the Panjsher Valley.  Regional Crop Assessment  Eastern Valleys (Kapisa, Laghman, Konarha, Parvan, Vardak, Ghazni, Paktia, Paktika, Lowgar, Nangarhar, and Kabol). This region, consisting of the 11 provinces surrounding Kabul, contains approximately 30 percent of the country's agricultural land, including some of the most fertile and high—yielding valleys in Afghanistan. It is, however, also the area most affected by the Soviet occupation. The major valleys and basins include Panjsher, Charikar, Nangarhar, Konar, Ghazni, Lowgar, and Khowst. Many of the these valleys have been the sites of heavy	ĵ.	Sanitized Copy Approved for Release 2011/03/15 : CIA-RDP85T00287R001200720001-1	
Some 60 percent of the wheat shortfall is from the dryland crop in the northern plains region—estimated to be down 25 percent from last year's estimated output of 600,000 tons. 4 Our preliminary estimate of dryland wheat production—made in mid-October—suggested a 30 percent reduction from last year, but subsequent analysis of additional satellite imagery revealed that crops in the north-central provinces of Balkh, Samangan and Baqhlan were slightly better than first estimated. In the rest of the northern plains region, no changes were warranted on the basis of the new imagery; we continue to estimate that wheat yields in the west—in the vicinity of Meymaneh—fell by nearly two-thirds compared to 1983, while those in the east—near Oonduz and Talogan—were cut by about one—third.  An estimated five percent downturn in wheat output on irrigated land accounts for the remainder of this year's shortfall. The reduction is due primarily to the smaller supplies of irrigation water that resulted from the November-May dryspell, and to a lesser extent from military activity, especially in the Panjsher Valley.  Regional Crop Assessment  Eastern Valleys (Kapisa, Laghman, Konarha, Parvan, Vardak, Ghazni, Paktika, Lowgar, Nangarhar, and Kabol). This region, consisting of the 11 provinces surrounding Kabul, contains approximately 30 percent of the country's agricultural land, including some of the most fertile and high-yielding valleys in Afghanistan. It is, however, also the area most affected by the Soviet occupation. The major valleys and basins include Panjsher, Charikar, Nangarhar, Konar, Ghazni, Lowgar, and Khowst. Many of the these valleys have been the sites of heavy military operations.  The long, narrow Panjsher Valley, northeast of Kabul, has suffered the most from the Soviet occupation. Satellite imagery taken from May through September 1984 showed that Soviet and Afghan military operations in the valley caused the destruction			25 <b>X</b> 1
25 percent from last year's estimated output of 600,000 tons.  Our preliminary estimate of dryland wheat production—made in mid-October—suggested a 30 percent reduction from last year, but subsequent analysis of additional satellite imagery revealed that crops in the north-central provinces of Balkh, Samangan and Raghlan were slightly better than first estimated. In the rest of the northern plains region, no changes were warranted on the basis of the new imagery; we continue to estimate that wheat yields in the west—in the vicinity of Meymaneh—fell by nearly two-thirds compared to 1983, while those in the east—near Qonduz and Taloqan—were cut by about one—third.  An estimated five percent downturn in wheat output on irrigated land accounts for the remainder of this year's shortfall. The reduction is due primarily to the smaller supplies of irrigation water that resulted from the November—May dryspell, and to a lesser extent from military activity, especially in the Panjsher Valley.  Regional Crop Assessment  Eastern Valleys (Kapisa, Laghman, Konarha, Parvan, Vardak, Chazni, Paktia, Paktia, Lowgar, Nangarhar, and Kabol). This region, consisting of the 11 provinces surrounding Kabul, contains approximately 30 percent of the country's agricultural land, including some of the most fertile and high-yielding valleys in Afghanistan. It is, however, also the area most affected by the Soviet occupation. The major valleys and basins include Panjsher, Charikar, Nangarhar, Konar, Ghazni, Lowgar, and Khowst. Many of the these vallevs have been the sites of heavy military operations.  The long, narrow Panjsher Valley, northeast of Kabul, has suffered the most from the Soviet occupation. Satellite imagery taken from May through September 1984 showed that Soviet and Afghan military operations in the valley caused the destruction		20 square miles each and located throughout the countrywere analyzed using high-resolution imagery (Figure 1).	
shortfall. The reduction is due primarily to the smaller supplies of irrigation water that resulted from the November-May dryspell, and to a lesser extent from military activity, especially in the Panjsher Valley.  Regional Crop Assessment  Eastern Valleys (Kapisa, Laghman, Konarha, Parvan, Vardak, Ghazni, Paktia, Paktika, Lowgar, Nangarhar, and Kabol). This region, consisting of the 11 provinces surrounding Kabul, contains approximately 30 percent of the country's agricultural land, including some of the most fertile and high-yielding valleys in Afghanistan. It is, however, also the area most affected by the Soviet occupation. The major valleys and basins include Panjsher, Charikar, Nangarhar, Konar, Ghazni, Lowgar, and Khowst. Many of the these valleys have been the sites of heavy military operations.  The long, narrow Panjsher Valley, northeast of Kabul, has suffered the most from the Soviet occupation. Satellite imagery taken from May through September 1984 showed that Soviet and Afghan military operations in the valley caused the destruction		25 percent from last year's estimated output of 600,000 tons. 4 Our preliminary estimate of dryland wheat production—made in mid-October—suggested a 30 percent reduction from last year, bu subsequent analysis of additional satellite imagery revealed tha crops in the north—central provinces of Balkh, Samangan and Baghlan were slightly better than first estimated. In the rest of the northern plains region, no changes were warranted on the basis of the new imagery; we continue to estimate that wheat yields in the west—in the vicinity of Meymaneh—fell by nearly two—thirds compared to 1983, while those in the east—rear condi-	t
Eastern Valleys (Kapisa, Laghman, Konarha, Parvan, Vardak, Ghazni, Paktia, Paktika, Lowgar, Nangarhar, and Kabol). This region, consisting of the 11 provinces surrounding Kabul, contains approximately 30 percent of the country's agricultural land, including some of the most fertile and high-yielding valleys in Afghanistan. It is, however, also the area most affected by the Soviet occupation. The major valleys and basins include Panjsher, Charikar, Nangarhar, Konar, Ghazni, Lowgar, and Khowst. Many of the these valleys have been the sites of heavy military operations.  The long, narrow Panjsher Valley, northeast of Kabul, has suffered the most from the Soviet occupation. Satellite imagery taken from May through September 1984 showed that Soviet and Afghan military operations in the valley caused the destruction  25X1		shortfall. The reduction is due primarily to the smaller supplies of irrigation water that resulted from the November-May dryspell, and to a lesser extent from military activity.	25X1
region, consisting of the 11 provinces surrounding Kabul, contains approximately 30 percent of the country's agricultural land, including some of the most fertile and high-yielding valleys in Afghanistan. It is, however, also the area most affected by the Soviet occupation. The major valleys and basins include Panjsher, Charikar, Nangarhar, Konar, Ghazni, Lowgar, and Khowst. Many of the these valleys have been the sites of heavy military operations.  The long, narrow Panjsher Valley, northeast of Kabul, has suffered the most from the Soviet occupation. Satellite imagery taken from May through September 1984 showed that Soviet and Afghan military operations in the valley caused the destruction  25X1		Regional Crop Assessment	
25X1		region, consisting of the 11 provinces surrounding Kabul, contains approximately 30 percent of the country's agricultural land, including some of the most fertile and high-yielding valleys in Afghanistan. It is, however, also the area most affected by the Soviet occupation. The major valleys and basins include Panjsher, Charikar, Nangarhar, Konar, Ghazni, Lowgar, and Khowst. Many of the these valleys have been the sites of heavy military operations.  The long, narrow Panjsher Valley, northeast of Kabul, has suffered the most from the Soviet occupation. Satellite imagery taken from May through September 1984 showed that Soviet	25X1
			25X1
25X1			25X1
			25X1

or abandonment of about 75 percent of the grainfields there. Although such losses will have little impact on total Afghan grain output this year--only about 7,500 tons because the valley is only a minor grain producer--they almost certainly will be devastating to the people who remain in the valley. Since 1979, more than half of the population has fled the area because of repeated Soviet attacks,

25**X**1

25X1

Most of the damage in the valley is estimated to be a direct result of military operations, including damage caused by armored vehicle trackage, construction of military bivouacs, bomb blasts, and artillery shelling. What appeared to be deliberate burning of grainfields—both before and after harvest—was observed throughout the valley \_\_\_\_\_\_ The heavy fighting also led to sizable abandonment of grainfields as the population exodus appears to have continued this year. Post—harvest grain shocks that were observed on early August imagery had not yet been removed from fields by September. Normally, shocks are removed within a few days after harvest in order to prevent yield reductions.

25X1

25X1

The grain crop in the basin near **Charikar**, 40 miles north of Kabul, was generally as good as in 1983. The rivers and irrigation canals contained water throughout the growing season. Crop damage from armored vehicle trackage and bomb blasts—as observed on imagery—was confined to less than one percent of the cultivated fields, and thus had virtually no affect on overall grain production. This fertile valley traditionally produces surplus grain for the Kabul region during good years and could possibly have done so again in 1984.

25**X**1

25X1

The Nangarhar Valley surrounding Jalalabad, 40 miles east of Kabul, also appeared to produce a good grain crop in 1984 despite the fact that some agricultural areas near the Pakistan border remained abandoned. Rivers and canals had sufficient water throughout the growing season, and harvesting took place on schedule—from mid—May through early June. Mechanical combine harvesting was observed just west of Jalalabad. Sitings of trucks and animal packtrains throughout the year on the main road through the Khyber Pass indicated that it was operational.

25X1

25X1

Conditions in the **Konar Valley**, adjacent to the Afghan/Pakistan border, were similar to those in 1983. A few large areas of agricultural land, mostly on the east bank of the Konar River, remained abandoned. Elsewhere, summer crops (corn, rice, and barley) appeared to be doing very well as of mid-July. In addition, mule packtrains were seen on several of the many trails that cross the Afghan-Pakistan border here carrying supplies into the country, almost certainly for the insurgents

25**X**1

25X1

Sanitized Copy Approved for Release 2011/03/15: CIA-RDP85T00287R001200720001-1

25X1

little effect on agricultural production in these provinces, as no significant military activity was observed in the cultivated areas. Mechanized combine harvesting was observed in several provinces.	25 <b>X</b> 1
Central Mountain Provinces (Bamian, Ghowr, and Oruzgan). This area of steep mountains and small narrow valleys, also known as the Hazarehjat Region, contains less than five percent of the country's agricultural land. Analysis of a limited amount of imagery taken during 1984 indicates that there was probably enough water in the rivers to satisfy irrigation requirements. Late September imagery showed good summer crop yields in the vicinity of the Bamian Valley (34-50N 067-50E). The effects of the war appeared minimal in this region.	25X1
Western Border Provinces (Herat, Farah, and Nimruz). This region, adjacent to Iran, is nearly all desert and contains only about 10 percent of the country's agricultural land. Crops are concentrated along the few rivers which flow out of the central mountains. Despite heavy, ongoing military activity in this region, especially in the Herat area, agricultural output appears to have been unaffected. There is no evidence from imagery of deliberate crop burning or destruction of irrigation systems by military forces. Analysis of straw shocks in Herat Province indicates little, if any change in grain production between 1984 and 1983. Lower yields resulting from a reduction in the amount of irrigation water available from the Harirud River probably was offset by a slight expansion in the area sown to grain this year	25X1
Numerous pieces of Soviet farm machineryincluding grain combines, probable forage harvesters, small tractors, and farm trailerswere observed inside a large farm equipment yard in the city of Herat New equipment was observed arriving on flatbed trailers several times during the year.	25X1
Several villages, along with the associated agricultural land, were abandoned in <b>Nimruz</b> Province adjacent to the Iranian border. Similar abandonment was also observed here last year and appears to be no greater this year.	25X1 25X1
The South (Helmand, Qandahar, and Zabol Provinces). Like the Western Border Provinces, these provinces are mostly desert and contain approximately 10 percent of Afghanistan's cultivated land. Crops are concentrated along the Helmand and Arghandah Rivers, and in a few groundwater-dependent areas along the southern edge of the central mountains. This region experienced heavy military activity during 1984, but as in Herat, neither crops nor irrigation systems were deliberately attacked, according to imagery analysis.	25X
Grain yields here are expected to be slightly less than in 1983 even though the main rivers generally had enough water for irrigation needs  A few secondary rivers as well as	25X1

Sanitized Copy Approved for Release 2011/03/15 : CIA-RDP85T00287R001200720001-1	25X1
some groundwater reserves ran short of water during the summer, thereby reducing the yields of summer crops Tenuous Food Situation	25X1
Based on our estimate of the 1984 Afghan wheat crop2.7 million tonsoverall food supplies in Afghanistan should remain generally adequate through the winter, although serious localized shortages are likely in areas of concentrated military activity-such as the Panjsher Valleyand in remote areas where drought cut crop output markedly. This outlook assumes that wheat imports this year from the USSR and Pakistan will reach last year's estimated level of 300,000 to 360,000 tons. Afghanistan was generally considered self-sufficient in wheat supplies in 1976, when wheat production was 2.9 million tons and the population was roughly the same as today.	25 <b>X</b> 1
Historically, many severe food shortages in Afghanistan have originated in the dryland agricultural regions. Drought not only reduces grain production drastically but also desiccates the grazing pastures used by the nomadic herdsmen who make up about 10 percent of the population. When this occurs the farmers and herdsmen face possible starvation because they typically reside in remote regions with poorly developed food markets and transportation networks. Indeed, previous food aid has usually gone to the cities first even though the major need was in the remote countryside areas. More recently, Soviet operations have caused some disruptions in food availability, but have not significantly reduced total supply levels.	25 <b>X</b> 1
Since the Soviet occupation, Kabul has nearly doubled its imports of foreign grain as a means to alleviate food shortages, especially in urban areas. This policy appears to be working. The US Embassy in Kabul reported in October that food supplies there-including meat, fruits and vegetables, and staple items—were roughly equal to the adequate levels of a year ago. In addition, the average level of all food prices in Kabul, while climbing dramatically in the past four years, has not risen any faster than nonfood items, according to spot price surveys and official government statistics (Figure 3). Although information on the food situation in the countryside is fragmentary at best, State Department personnel who recently interviewed Afghan refugees in Pakistan concluded that few, if any, areas of Afghanistan were facing a serious food supply problem.	25 <b>X</b> 1
5 Soviet and Afghan press reports indicate that wheat imports from the USSR in 1983 were 160,000 to 180,000 tons, most of which	25X1
was sent to the major cities, especially Kabul.  140,000 to 180,000 tons of wheat are imported annually from Pakistan through unofficial channels.	25X1

Virtually all of this grain is destined for rural areas outside the control of the Afghan government.

25X1

Even so, the entire Afghan food supply chain--from the farm to the marketplace--remains fragile. An escalation in the fighting or a Soviet effort to disrupt the food distribution network could easily upset the tenuous balance, thereby leading to more widespread shortages. Moreover, recent Soviet efforts to stem insurgent infiltration from Pakistan, combined with increased transportation costs and Islamabad's reduced wheat harvest may result in smaller wheat imports from that country. Finally, this year's drought has greatly depleted the water reserves upon which the 1985 winter wheat crop--just recently planted--depends for good germination. As a result, the crop is already extremely vulnerable to moisture stress. Without at least average snowfall this winter, Kabul almost certainly will be faced with a harvest shortfall again next year.



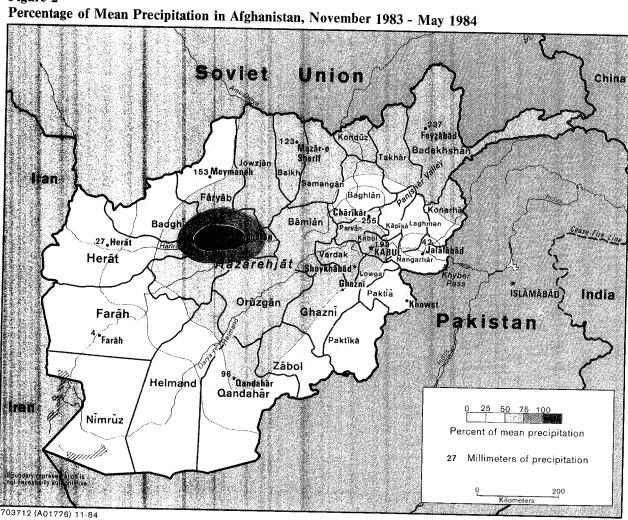
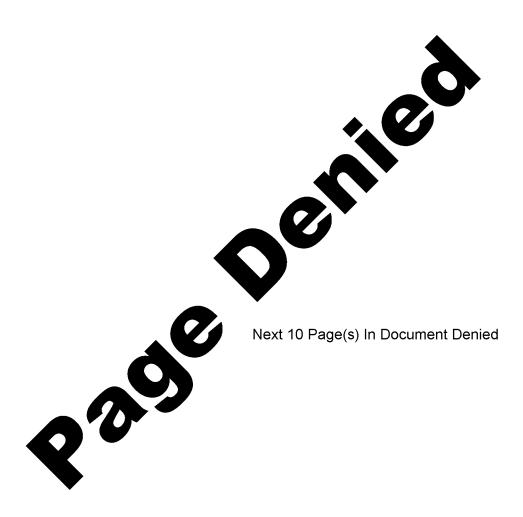
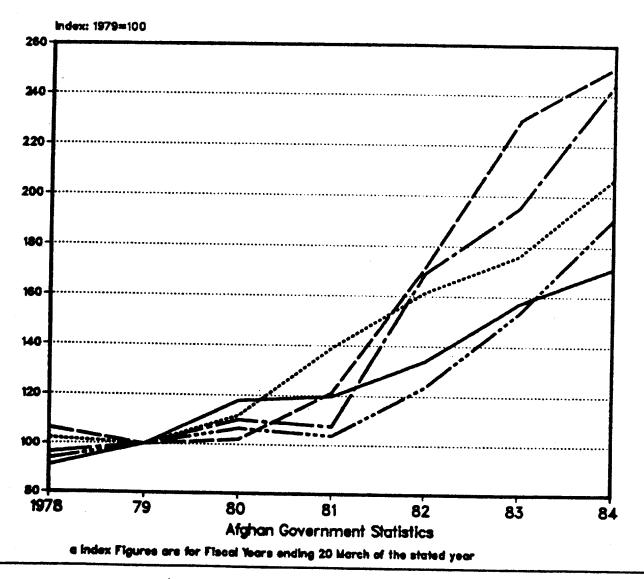


Figure 2



<sup>--</sup>25X1<sup>--</sup>

FIGURE 3. Afghanistan: Kabul Prices Index<sup>a</sup>



Cereals

Meat

Fruits & Nuts

Vegetables

Nonfood Herne

