



**Food Security and  
Nutrition Analysis Unit  
Somalia**

*Information for Better  
Livelihoods*



*Post Gu 2010*

# Presentation

August 18th 2010

## Central



EUROPEAN COMMISSION



**USAID**  
FROM THE AMERICAN PEOPLE



Swiss Agency for Development  
and Cooperation SDC



Cooperazione Italiana  
allo Sviluppo  
Ministero Affari Esteri



Common  
Humanitarian Fund  
Somalia

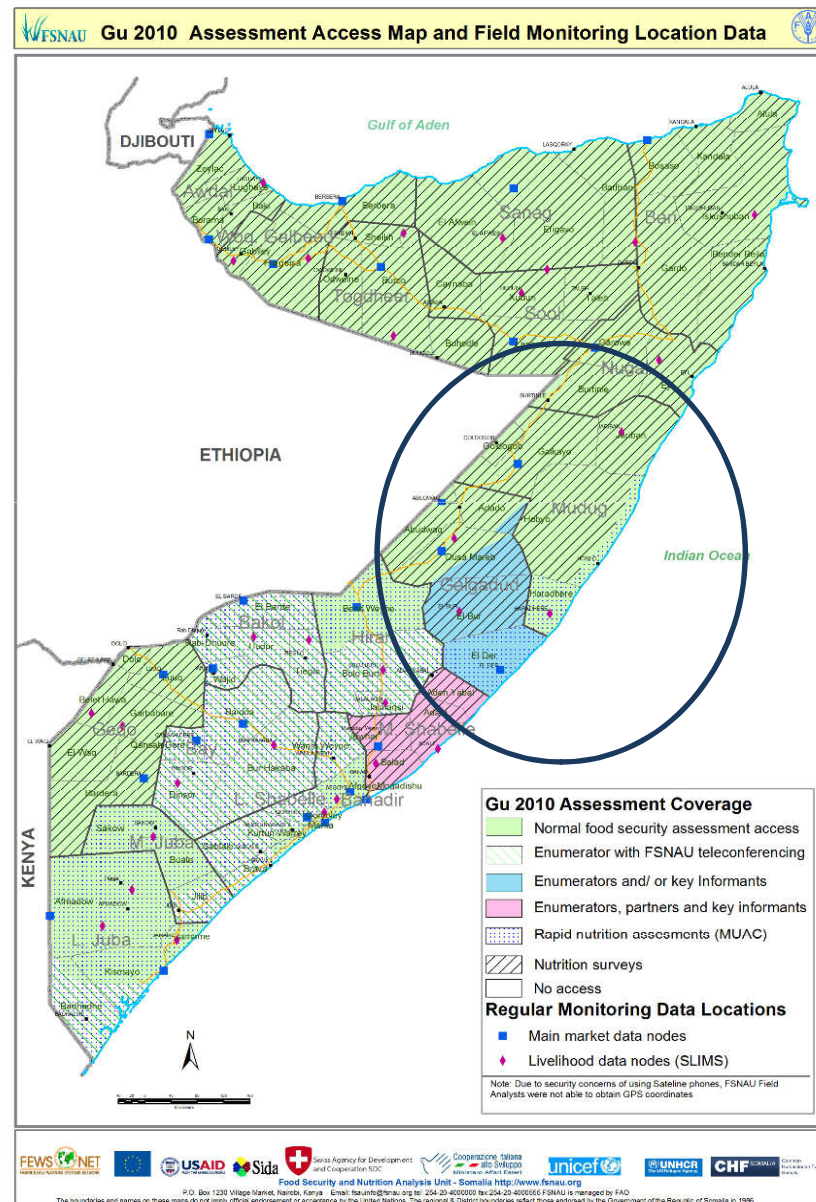
# Gu 2010 Seasonal Assessment Coverage

## Field Access and Field Data Locations

POST GU '10

Gu '10 Field Coverage in Central regions:

- Normal access in Hawd and Addun LHZs;
- Partial access in Coastal and Cowpea Belt LHZs
- Enumerator, Key informants with FSNAU Teleconferencing

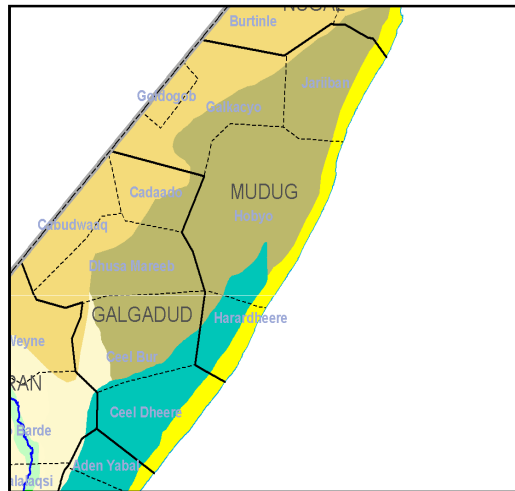


# Main Livelihood Groups

## Sources of Food and Income

POST GU'10

### Livelihood Zones



### Livelihood Groups & Main Sources of Food and Income

- **3 Pastoral Livelihoods (Hawd, Addun, Coastal Deeh Pastoralists)**
  - ☐ Primary sources of income of poor: sale of livestock, livestock products and bush product
  - ☐ Primary sources of food of poor: purchase
  - ☐ Primary livelihood asset of poor: camel, sheep/goat;
- **Central Agropastoral Livelihood:** Cowpea, Sheep & Goats, Camel, Cattle (South Mudug, Galgadud). Farm size is 3-4 Ha and mostly reserved for fodder use for own livestock. Cowpea Agropastoral are more pastoral than agriculturalists. Main sources of income: sale of livestock & livestock products, crop sales and bush product sales. Main source of food: purchase and own production (cowpea).

# Climate

## Performance of the *Gu* 2010 Rainfall

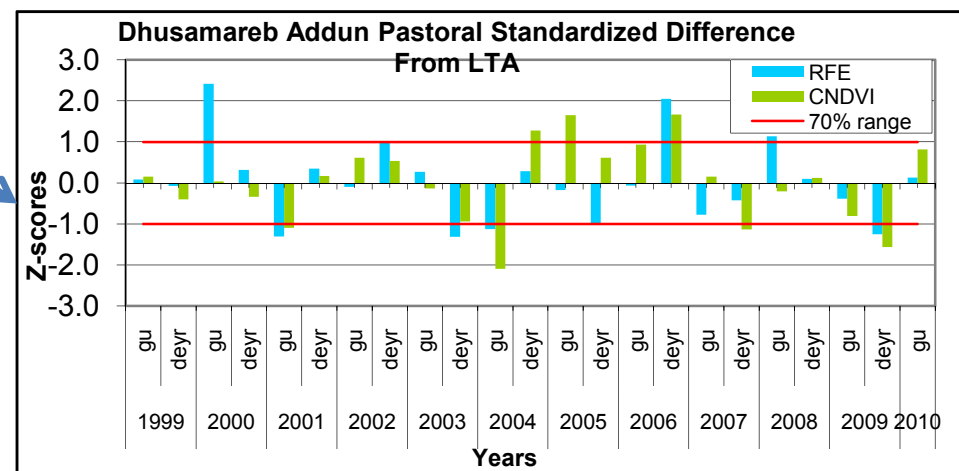
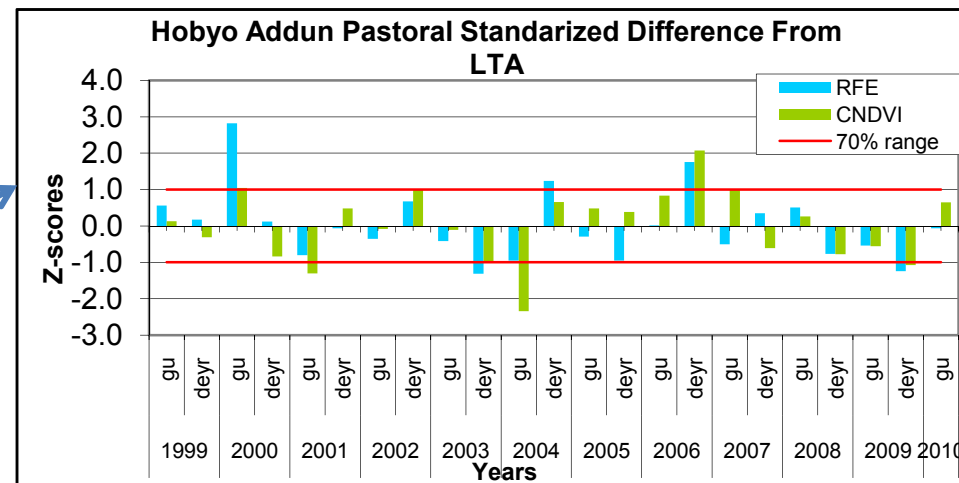
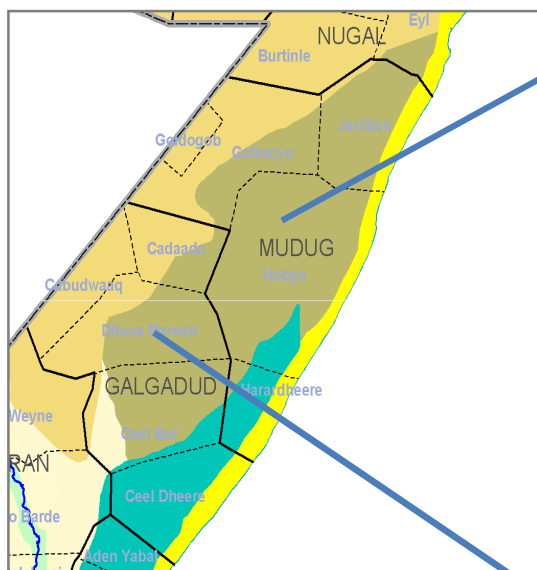
**Overall Statement: Normal rains in Hawd/Addun and below normal rains in Coastal Deeh and Cowpea Belt.**

- Start of Season: started on time
- Temporal and Spatial Distribution: started in April and continued through early June '10. Rainfall performance was good to average in Hawd, most parts of Addun, parts of Cowpea Belt. However, large parts in Cowpea Belt and Coastal Deeh received below average precipitation. The cumulative rainfall was (75-125 mm) in Hawd/Addun.
- Poor rainfall in Coastal and large parts of Cowpea Belt LZs was followed by long dry spell in May and June; cumulative rainfall received is (50-125mm)

# Climate

## Vegetation Conditions

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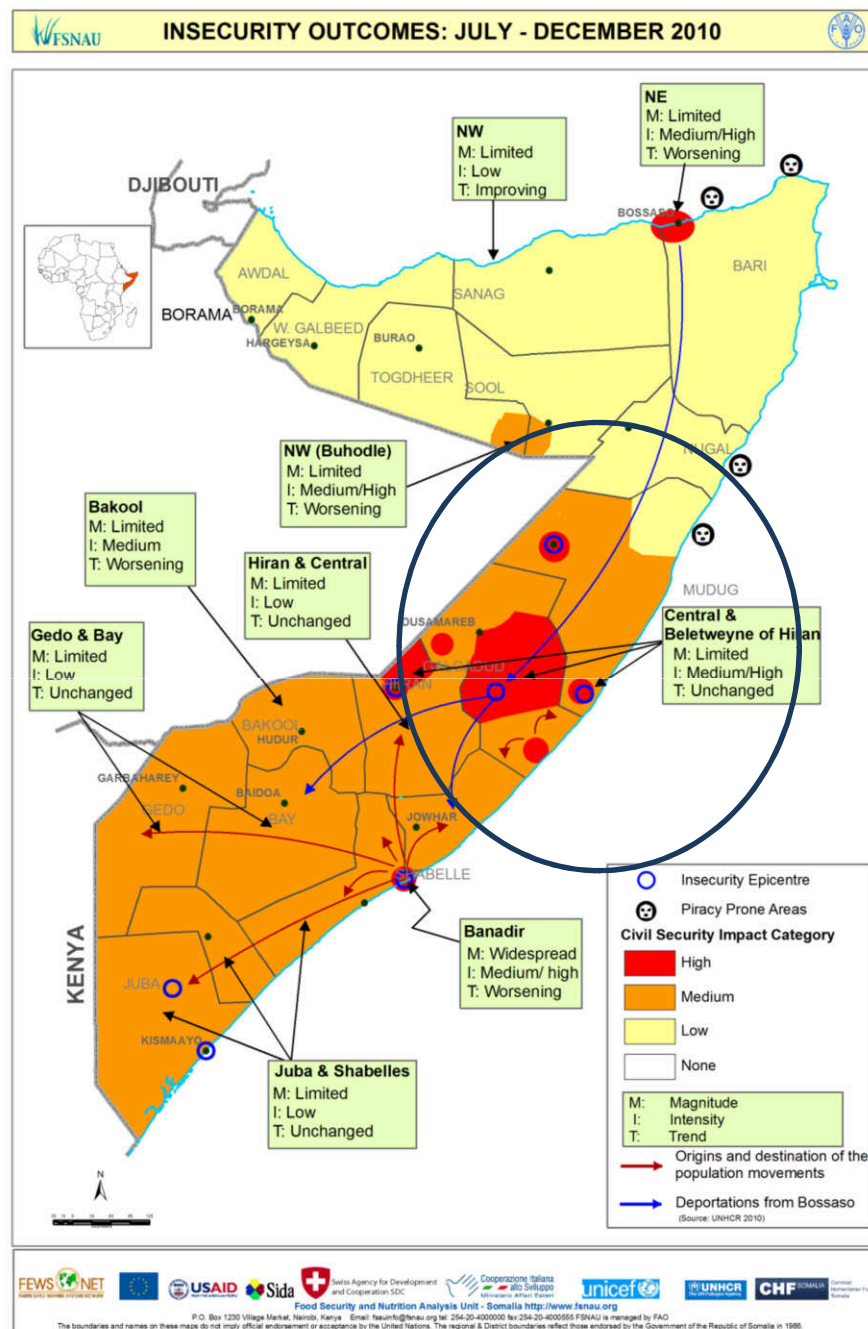
# Civil Insecurity

## ➤ Civil Security Situation

- High political confrontation among opposing parties
- Continuous armed clashes between opposing parties;
- Chronic conflict centres in Dhusamareb, Elbur and Elder towns;
- Resource based conflicts in rural settlements including Hobyo;
- Security worsened in Dhusamareb and Elder and likely to spread into new zones;

## ➤ Direct and Indirect Impacts on Food Security & Nutrition

- Medium impact & short-term restrictions on population and trade movement in main towns in south Galgaduud and surrounding villages;
- High impact and long-term restrictions on population and trade movement and increased IDP concentration in Dhusamareb, Elder and Galkacyo districts due to the on-going clashes



**Source: FSNAU & Protection Cluster**

# Agriculture

## Gu '10 Crop Production Estimates

POST GU '10

Cowpea Belt of Central				
Regions	Gu '10 Production in MT			
	Maize	Sorghum	Cowpea	Total
Galgadud	0	0	750	750
Mudug	0	0	305	305
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>1,055</b>	<b>1,055</b>



# Agriculture

## Gu '10 Assessment Photos

**Failure of cowpea crop harvest in  
Haradere , July 2010**



**Failure of cowpea crop harvest in  
Hoby, July 2010**

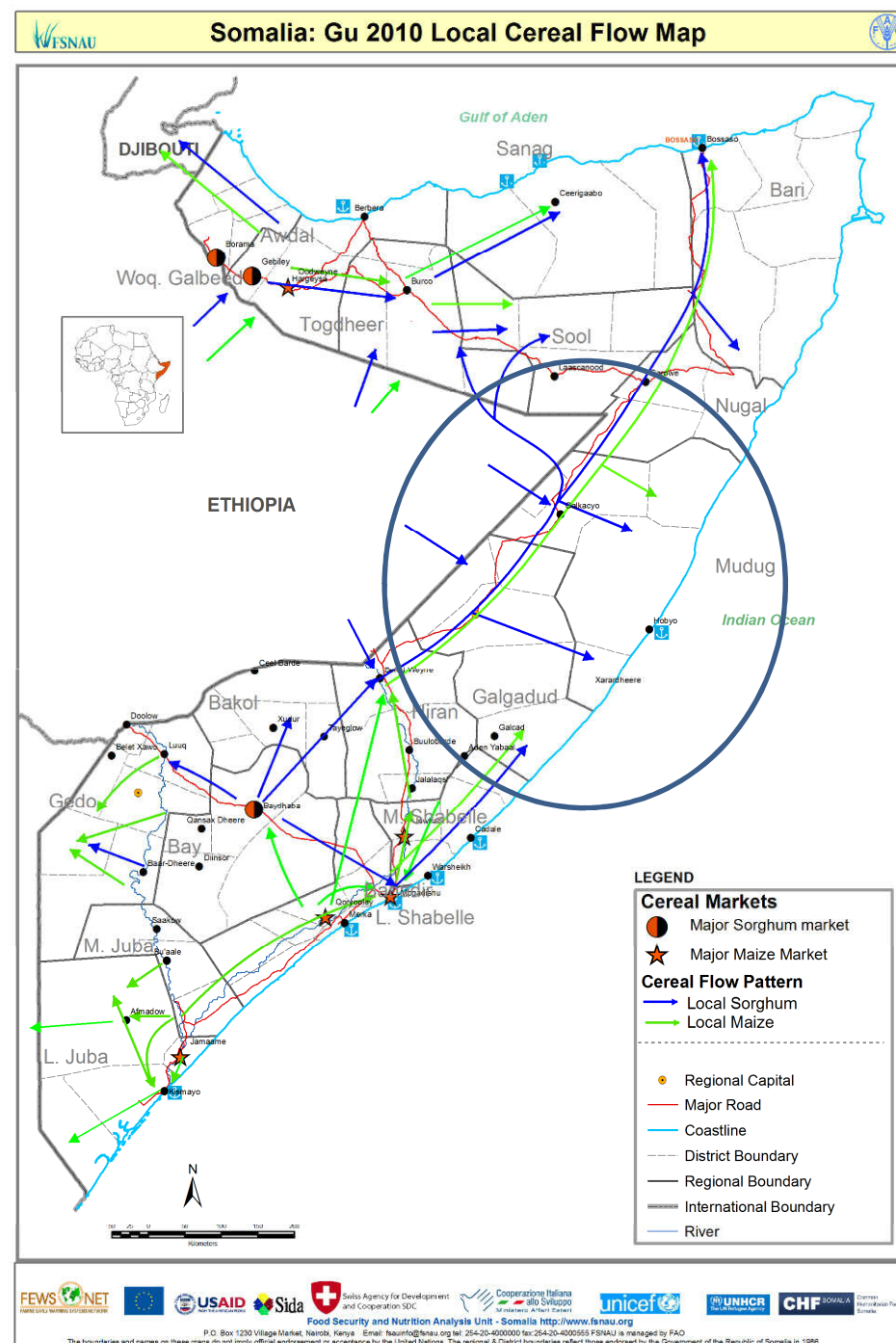




# Agriculture

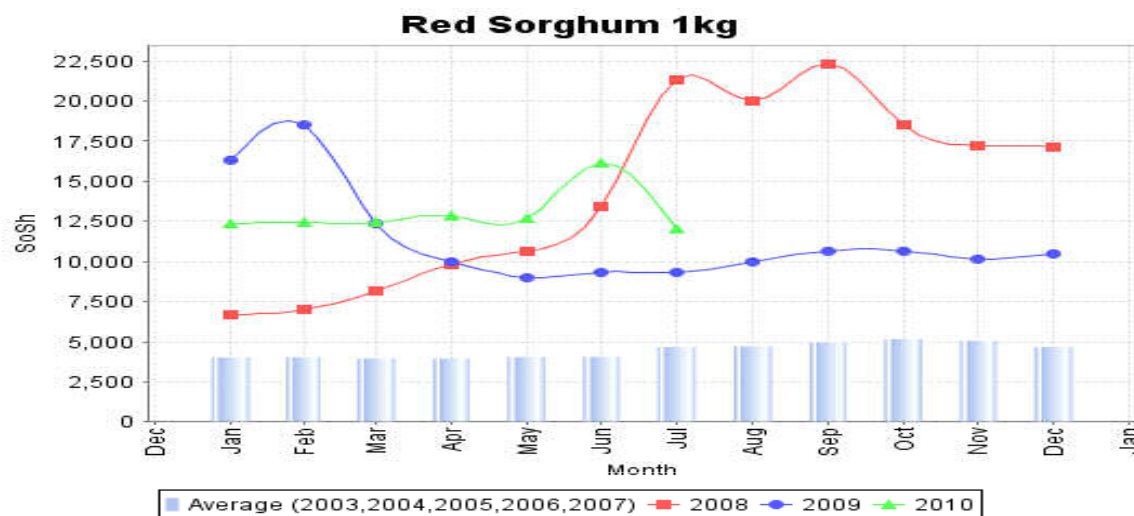
POST GU '10

## Gu 2010 Local Cereal Flow

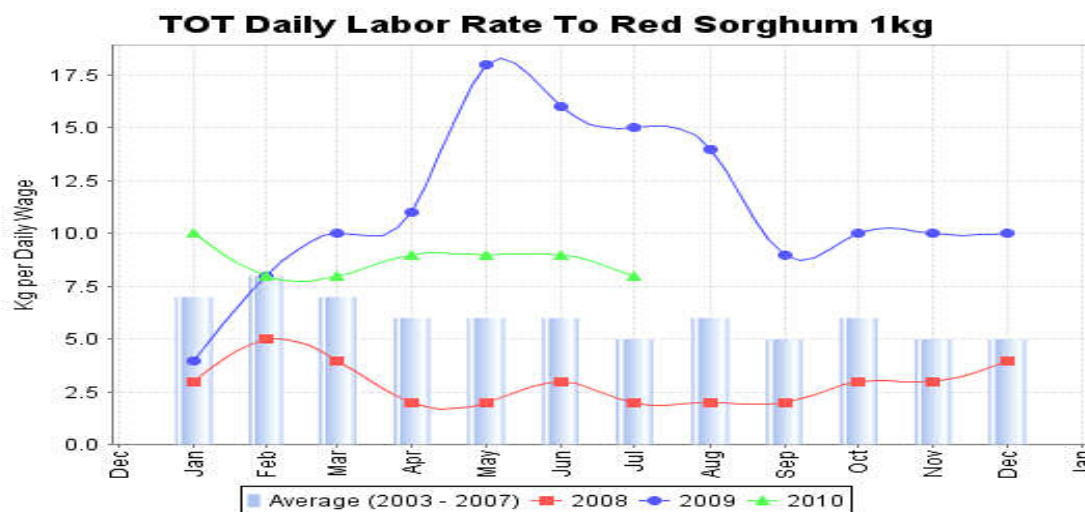


# Agriculture

## Regional Trends in Cereal Prices & Terms of Trade



**Regional Trend in  
Cereal Prices  
(Sorghum)**



**Regional Trends in  
Terms of trade: Daily  
Labor rate to Sorghum  
( Sorghum kg /daily  
wage)**

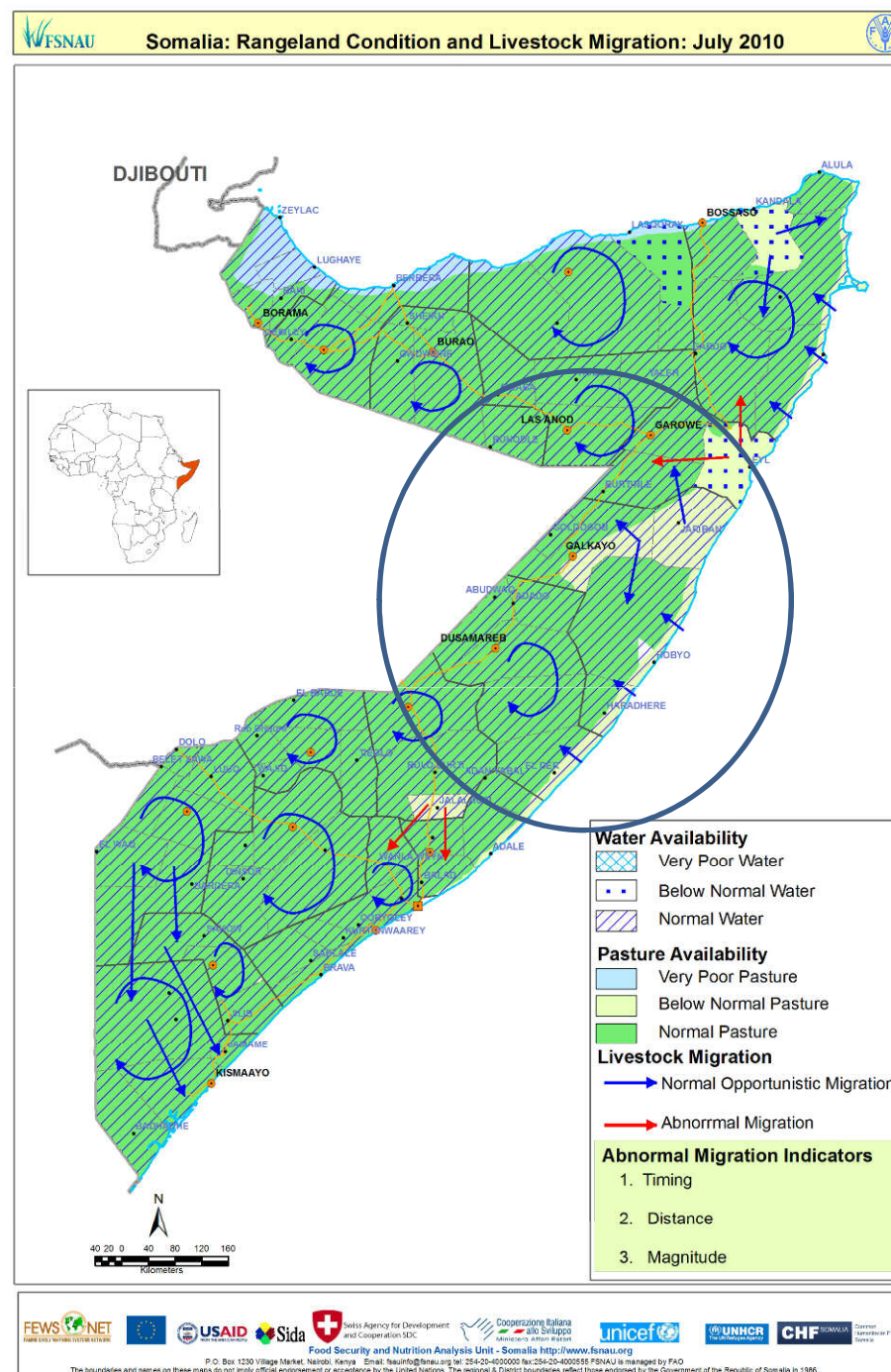


# Livestock

## Rangeland Conditions and Livestock Migration, Gu '10

Average to good rainfall performance in Hawd and Addun and normal to below normal rains in Cowpea Belt and Coastal Deeh leading to:

- Improved rangeland and water conditions in Hawd and Addun
- Slightly below average rangeland and water condition in Cowpea belt and poor rangeland condition in Coastal Deeh.
- Good livestock body condition for camel and shoats in all LZs





# Livestock

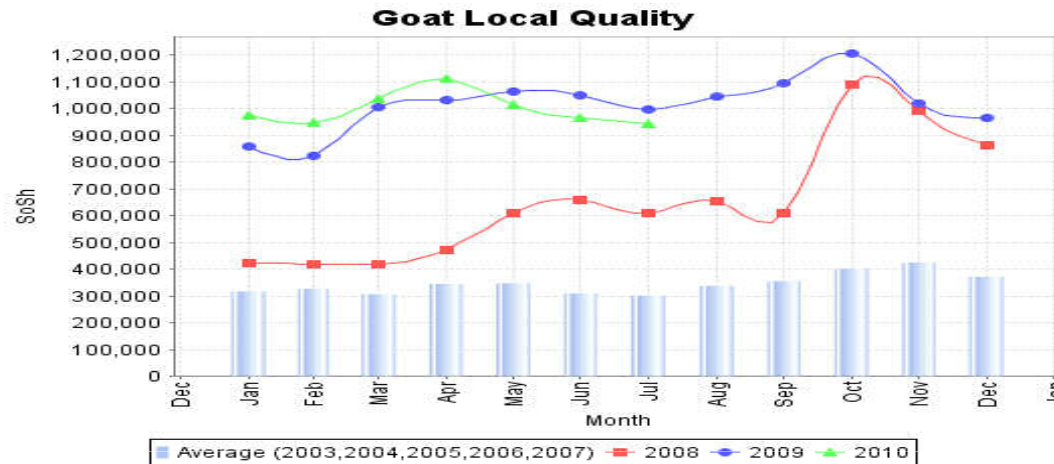
## Trends in Livestock Holdings and Milk Production

Region	Conception (Gu '10)	Calving/kidding (Gu '10)	Milk production (Gu '10)	Expected calving/ kidding July - Dec '10	Herd Size Projections in (June – Dec '10)	
					Livelihoods	Livestock species
Galgadud & south Mudug	Camel: High to Medium Cattle: Medium in Coastal and Cowpea Belt Sh/Goats: High to medium	Camel: None to Low Cattle: Low to None in Coastal and Cowpea Belt Sheep/goats: Medium except Addun of Galkacyo and Hawd of Galgadud	Average except Addun of Galkacyo and Hawd of Galgadud	Camel: Low to None Cattle: Medium in Coastal and Cowpea Belt Sheep/goats: High to Medium	Addun Pastoral	Camel: Below Baseline. Decreased by 7% between Jan – Jun '10 and is expected to decrease by 1% till Dec. '10  Sheep/goat: Below Baseline. Increased by 10% between Jan – Jun '10 and further increase by 3% is expected till Dec. '10
					Hawd Pastoral	Camel: Near Baseline. Decreased by 3% from Baseline in June '10 and is expected to increase by 1% in Dec. '10.  Sheep/Goats: Same as Baseline. Expected to increase by 3% in Dec. '10
					Cowpea Belt & Coastal Deeh	Camel: Near Baseline. Same as in Dec. '09, and is expected to remain the same till Dec. '10  Shoats: Near Baseline. Same as in Dec. '09 and is expected to increase

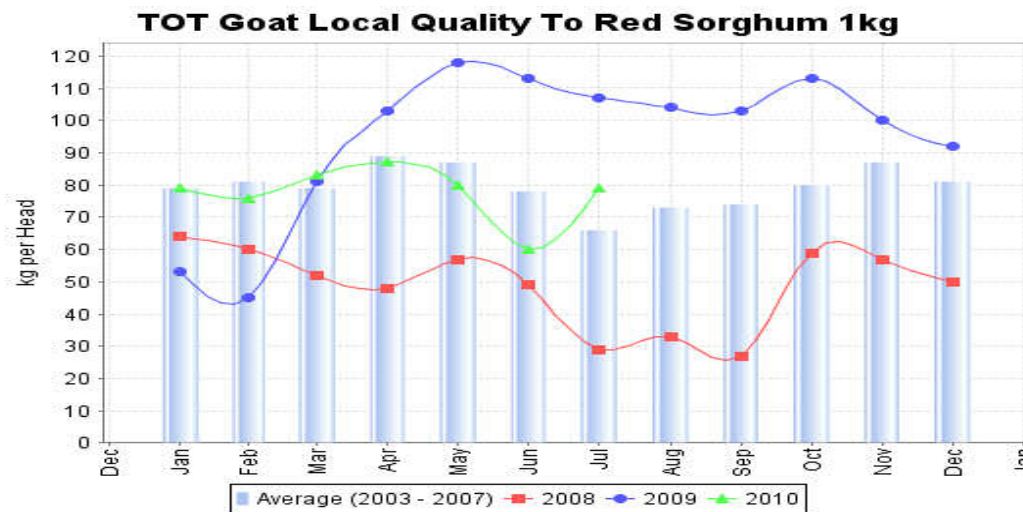


# Livestock

## Regional Trends in Local Goat Prices & Terms of Trade



**Regional Trends:  
Local Quality Goat price**



**Regional Trends in Terms  
of Trade:  
Cereal to Goat  
(Sorghum kg/head)**



# Livestock

## Gu '10 Assessment Photos

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**Livestock return from outmigration, July 2010,  
Lasxadow, Dhusamareb, Galgadud**



**Improved goat body  
condition, Galkacyo, Mudug region**



**Cattle grazing, July 2010, Hobyoy, Mudug**



**Improved camel body  
condition, Abudwak, Galgadud region**



# Livestock

## Gu '10 Assessment Photos



**Drought Affected Pastoralists in Camps in Guricel, Galgadud region, July 2010**

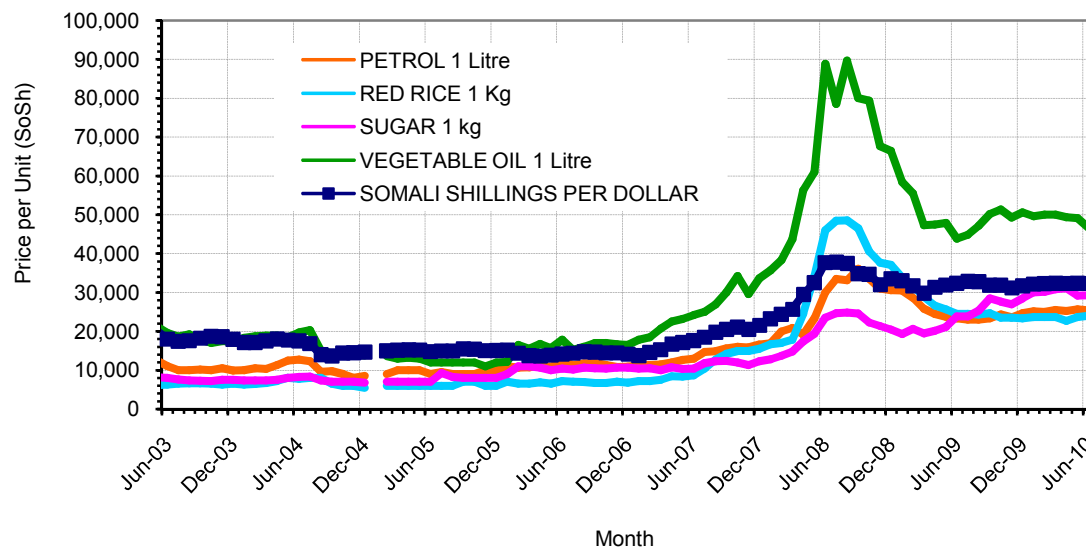


**Drought Affected Pastoralists in Abudwak, Galgadud region, July 2010**

# Markets

## Trends in Imported Commodity Prices

**Central Region: Trend in Imported Commodity Prices compared to Exchange Rate**



**Slightly Declined Import Commodity Prices (last six months)**

### Factors Affecting Commercial Import Prices:

- Declining global prices
- Relatively stable SoSh exchange rate
- Increased local cereal market supply due to good production in the South
- Reduced demand for imported cereals



# Nutrition

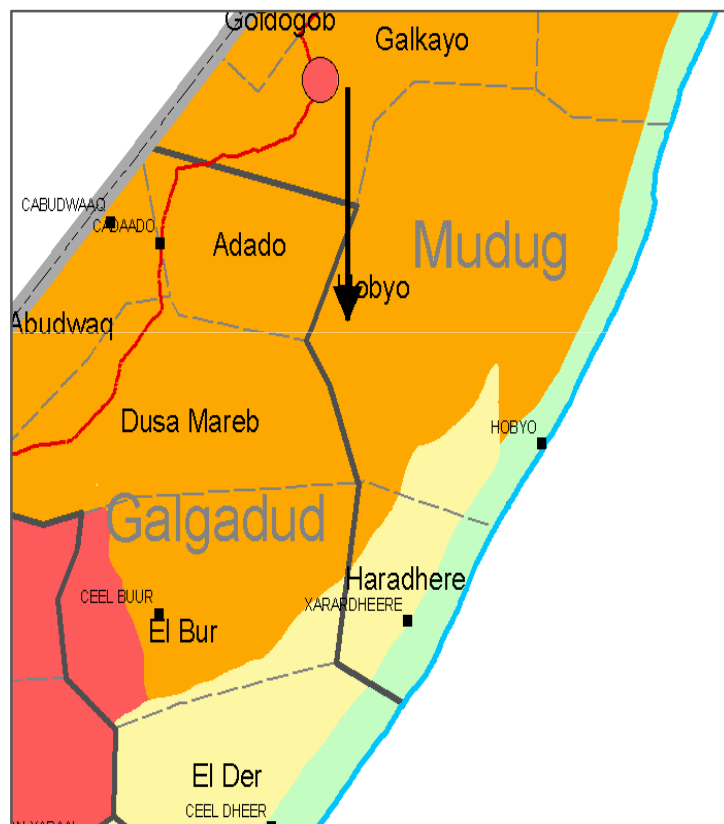
## Summary of Nutrition Findings

Region	Nutrition Surveys (March – July 10)	Rapid MUAC Screening (% <12.5cm)	Health Information System Info	TFC/OTP/ SFC	Other relevant information – Key driving factors	Summary of analysis and change from Deyr '09/10
Central Galgad Ud & S.Mudug)	<u>Hawd Pastoral</u> <b>GAM</b> of 15.3%& <b>SAM:3.9%;Oedema</b> : <b>0.3% CMR:</b> 1.07/ 10,000/day and <b>U5MR: 1.78/10.000</b> (FSNAU/ Partners, May '10,, R=1).	N/A	N/A	High and stable(FSNAU,, Jan-June '10 ,R= 3	•Insecurity/Displacements &limited interventions. •-(Over 19% of HHs in Addun hosting displaced persons) •Poor roads in Addun ,cowpea & Coastal •High morbidity& Suboptimal child feeding •Low access to safe water 31.7% &36.9% latrine 50% &39.9% in Hawd and Addun respectively •Limited asset holdings e.g marketable animals and no out migration options in Adduun •Reduced milk consumption , in cowpea belt and coatal	<u>Hawd –Critical</u> sustained with slight improvement from Deyr '09
	<u>Addun Pastoral</u> • <b>GAM:</b> 22.8% • <b>SAM:</b> 7.1% • <b>CMR:</b> 0.52/10,000/d ay& <b>U5MR:</b> 1.74/10,0 00/day;; FSNAU/ Partners, May'10, R=1).	N/A	Low proportion but increasing trend reported (FSNAU, HIS, J an-June '10,R=3)	High OTP admission	•Increased access to milk in Hawd. Improved access to roads and intervention in Hawd Better asset holding in Hawd Active social support e.g. in-kind or cash	<u>Addun –</u> deteriorated from post Deyr '09 Critical phase to <b>Very Critical</b>
	<u>Cowpea Belt:</u> No Survey	11.3	High and decreasing trends	N/A	<b>Mitigating factors</b> Increased access to milk in Hawd.	<u>Cow Pea:</u> Likely – <b>Critical</b> – deteriorated from post Deyr '09 serious phase
	<u>Coastal Deeh</u> <b>GAM:10.8%&amp;</b> <b>SAM:</b> <2.2%; (FSNAU/ partners, May '10 R=1).	6.5	N/A	N/A		<u>Coastal Deeh</u> Likely <b>Serious</b> - deteriorated from post Deyr'09 Alert phase

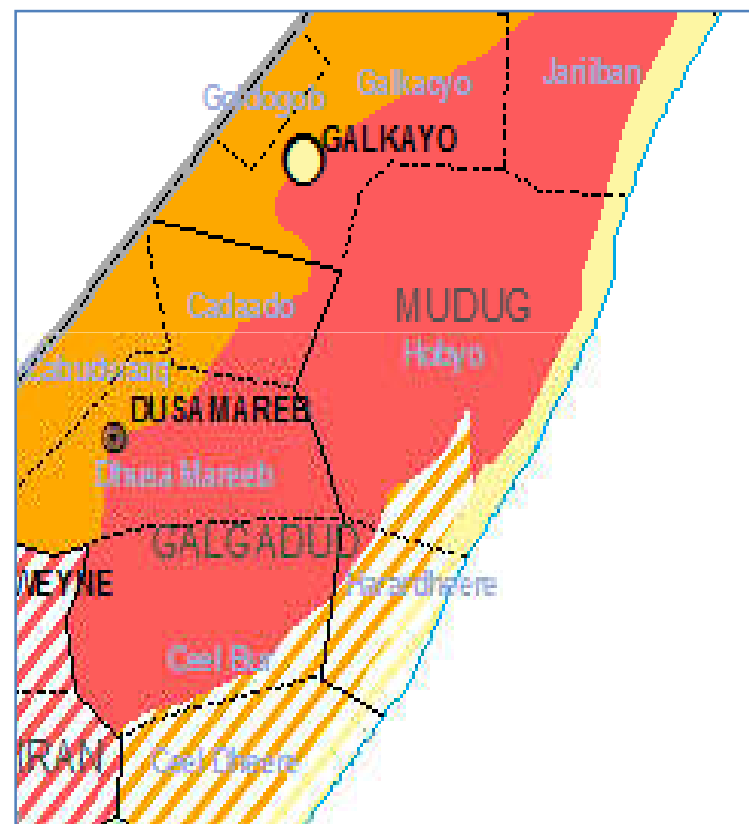
# Nutrition

## Nutrition Situation Estimates

Nutrition Situation Estimates, Deyr '09/10



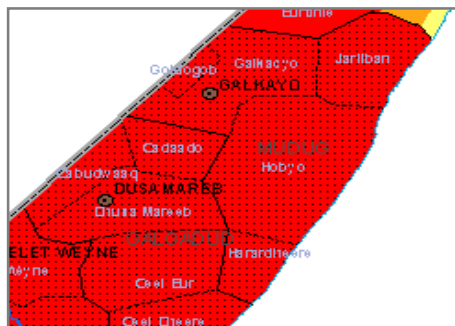
Gu '10 Nutrition Situation



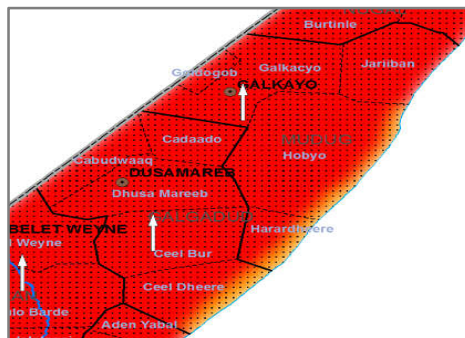
POST GU '10

## Summary: Progression of Rural IPC Situation

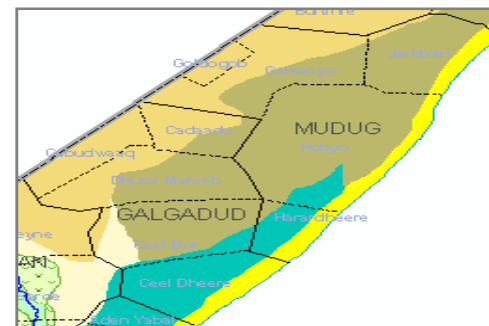
MAP 1: IPC Deyr 2009/10



MAP 2: IPC Gu 2010



MAP 3: LIVELIHOOD ZONES



**Key IPC Reference Outcomes:** Hawd: **AFLC:** 50% Poor; **HE:** 50% Poor; **Addun:** **AFLC** 50% Poor & 100% Middle, **HE:** 50% Poor; **Cowpea belt:** **AFLC:** 50% Poor & 75% Middle, **HE:** 50% Poor; **Coastal Deeh:** **AFLC:** 50% Poor

- **Acute malnutrition:** **Critical** in Hawd and Cowpea Belt and **Very Critical** in Addun Pastoral but **Serious** in Coastal Deeh
- **Food Access:** Severe entitlement gap, unable to meet 2,100 Kcal ppp day
- **Water Access:** Average of 6.6 ltrs ppp day ( human usage only)
- **Destitution/Displacement:** Concentrated and increasing (e.g. Galgadud and south Mudug)
- **Coping:** Distress strategies and increasing in Hawd and Addun
- **Livelihood Assets:** Near complete & irreversible depletion or loss of assets

### Main Contributing Factors:

- ☐ Above average rainfall after 6 consecutive seasons of rain failure in pastoral areas
- ☐ Return of livestock from out-migration since 2008
- ☐ Improved livestock production & reproduction and increased conception rates
- ☐ Decreased cowpea production in agropastoral of Central



# IPC

## Estimated Rural Population in AFLC & HE by Districts

Central Regions – Affected Districts		UNDP 2005 Rural Population	Assessed and High Risk Population in AFLC and HE			
			Deyr 2009-10		Gu 2010	
			Acute Food and Livelihood Crisis (AFLC)	Humanitarian Emergency (HE)	Acute Food and Livelihood Crisis (AFLC)	Humanitarian Emergency (HE)
Galgaduud	Cabudwaaq	32,654	3,000	26,000	9,000	8,000
	Cadaado	36,304	4,000	29,000	12,000	8,000
	Ceel Buur	66,274	17,000	36,000	36,000	12,000
	Ceel Dheer	61,407	33,000	8,000	24,000	5,000
	Dhuusamarreeb	74,441	9,000	55,000	40,000	15,000
	<b>Rural Sub-total</b>	<b>271,080</b>	<b>66,000</b>	<b>154,000</b>	<b>121,000</b>	<b>48,000</b>
	Urban	58,977	17,000	11,000	8,000	16,000
	<b>Regional Total</b>	<b>330,057</b>	<b>83,000</b>	<b>165,000</b>	<b>129,000</b>	<b>64,000</b>
South Mudug	Gaalkacyo	24,860	3,000	20,000	9,000	4,000
	Hobyo	54,438	16,000	27,000	25,000	8,000
	Xarardheere	52,157	21,000	17,000	23,000	6,000
	<b>Rural Sub-total</b>	<b>131,455</b>	<b>40,000</b>	<b>64,000</b>	<b>57,000</b>	<b>18,000</b>
	Urban	80,997	28,000	0	19,000	0
	<b>Regional Total</b>	<b>212,452</b>	<b>68,000</b>	<b>64,000</b>	<b>76,000</b>	<b>18,000</b>
<b>GRAND TOTAL</b>		<b>542,509</b>	<b>151,000</b>	<b>229,000</b>	<b>205,000</b>	<b>82,000</b>
<b>TOTAL AFFECTED POPULATION IN AFLC &amp; HE</b>			<b>380,000</b>		<b>287,000</b>	





# IPC

## Estimated Rural Population in AFLC & HE by Livelihood Zone

Central Regions – Affected Livelihood Zones		Estimated Population of Affected Livelihood Zones	Assessed and High Risk Population in AFLC and HE			
			Deyr 2009-10		Gu 2010	
			Acute Food and Livelihood Crisis (AFLC)	Humanitarian Emergency (HE)	Acute Food and Livelihood Crisis (AFLC)	Humanitarian Emergency (HE)
<b>Galgaduud</b>	Addun pastoral	123,218	15,000	104,000	79,000	17,000
	Central Agro-Past	60,944	32,000	8,000	33,000	8,000
	Ciid (Hawd) Pastoral	41,030	5,000	38,000	5,000	5,000
	Coastal Deeh: sheep	21,671	12,000	3,000	3,000	0
	Southern Inland Past	7,453	2,000	1,000	1,000	1,000
	Destitute pastoralists	16,764	-	-	0	17,000
	<b>Rural Sub-total</b>	<b>271,080</b>	<b>66,000</b>	<b>154,000</b>	<b>121,000</b>	<b>48,000</b>
	Urban	58,977	17,000	11,000	8,000	16,000
	<b>Regional Total</b>	<b>330,057</b>	<b>83,000</b>	<b>165,000</b>	<b>129,000</b>	<b>64,000</b>
<b>South Mudug</b>	Addun pastoral	41,823	6,000	45,000	34,000	7,000
	Central Agro-Past	31,750	17,000	4,000	17,000	4,000
	Coastal Deeh: sheep	29,257	16,000	4,000	4,000	0
	Hawd Pastoral	16,243	1,000	11,000	2,000	2,000
	Destitute pastoralists	12,382	-	-	0	5,000
	<b>Rural Sub-total</b>	<b>131,455</b>	<b>40,000</b>	<b>64,000</b>	<b>57,000</b>	<b>18,000</b>
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	<b>Regional Total</b>	<b>212,452</b>	<b>68,000</b>	<b>64,000</b>	<b>76,000</b>	<b>18,000</b>
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*The End*