



**Food Security and
Nutrition Analysis Unit
Somalia**

*Information for Better
Livelihoods*



Post Gu 2010

Presentation

August 18th 2010

Northwest



Swiss Agency for
Development and
Cooperation
SDC

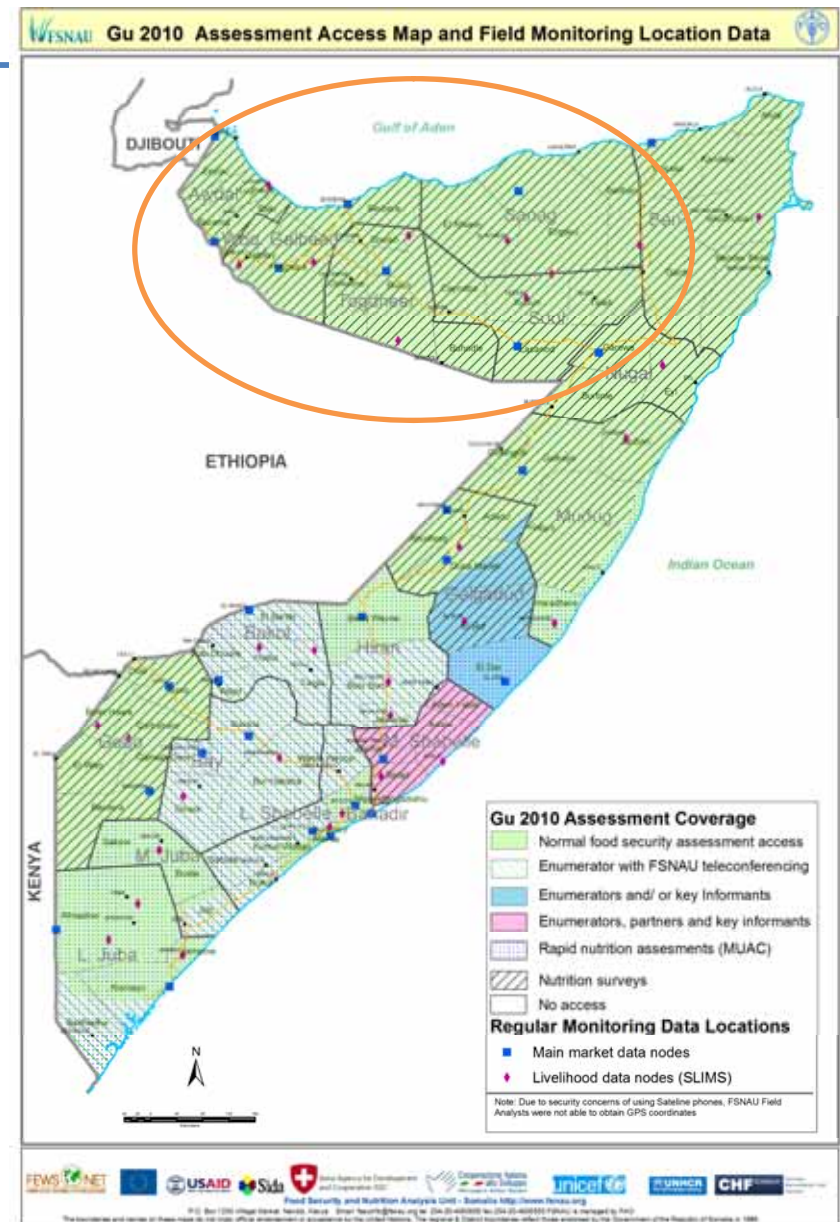




Gu 2010 Seasonal Assessment Coverage

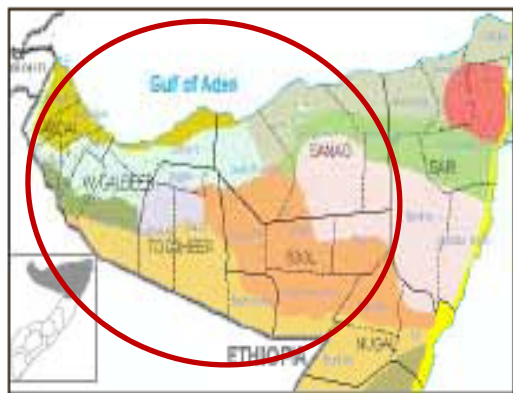
Field Access and Field Data Locations

Field staff had normal access to all livelihoods in the Northwest regions in *Gu* 2010 Assessment



Main Livelihood Groups

Sources of Food and Income



Livelihood Groups & Main Sources of Food and Income

- **4 Pastoral Livelihoods (Hawd, Sool Plateau, Nugal Valley, and Golis/Guban Pastoralists)**
 - ☐ Primary sources of income of poor: sale of livestock & livestock products
 - ☐ Primary sources of food of poor: purchase and own production
 - ☐ Primary livelihood asset of poor: camel, sheep/goat

- **2 Agro-pastoral Livelihoods (Togdheer and Northwest Agro-pastoral)**
 - ☐ **Togdheer Agro-Pastoral** are more pastoral, however there is an increasing dependency on crop and fodder production. Main sources of income: sale of livestock & livestock products, self-employment and fodder sales. **Main source of food:** Own crop and food purchase
 - ☐ **Northwest Agro-pastoral** are more agriculturists than pastoralists. Main sources of income: sale of crops, livestock products and labour; **Main sources of food:** own crop production and purchase.



Climate

Performance of the *Gu* 2010 Rainfall

Overall Statement: Largely good rainfall performance positively impacting both rangeland and crop conditions

***Gu* Seasonal Rains (April- June 2010)**

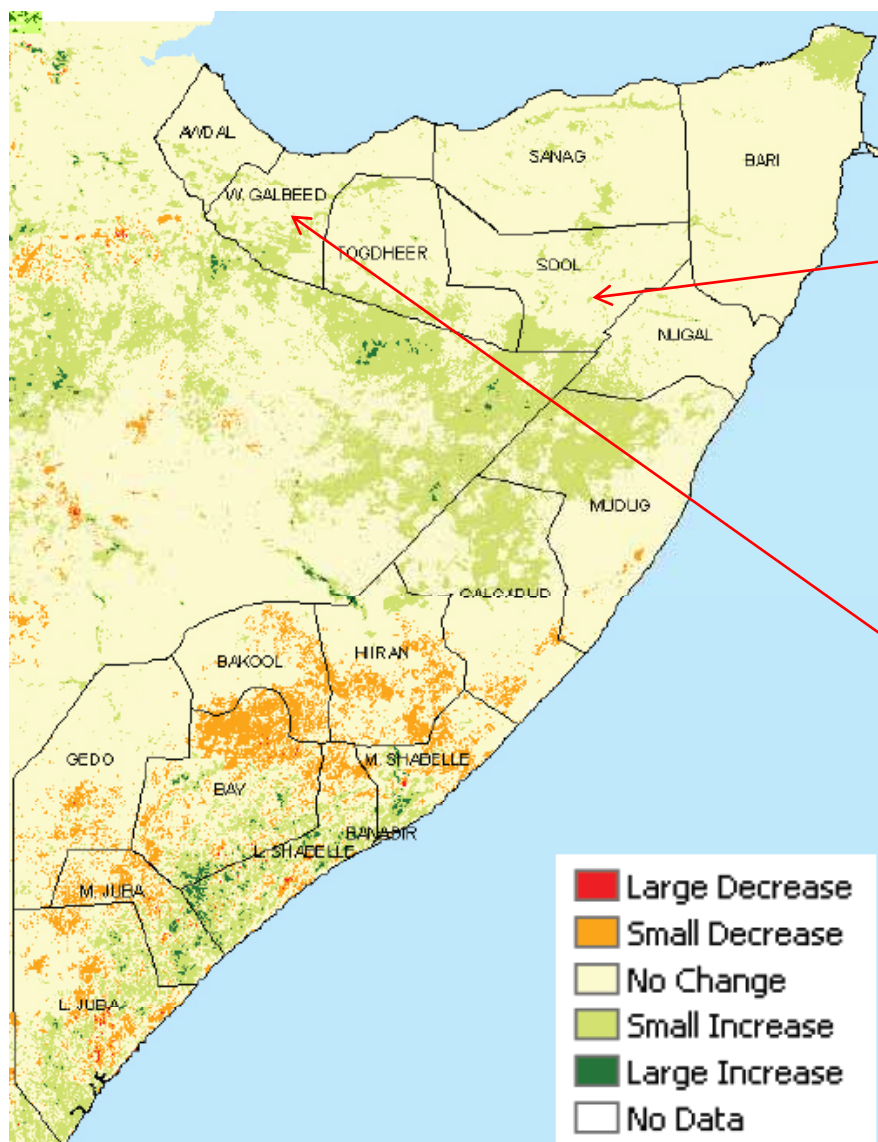
- Start of Season: Unusual rains started early in 3rd dekad of Feb. '10 in most parts of the region, which were followed by *Gu* rains that continued till June '10.
- Temporal and Spatial Distribution: Duration and distribution of the rainfall was good in most livelihood zones of the Northwest regions
- Regions with some dry spells: Parts of Sanag region
- Normal to above normal rains in livelihood zones: Hawd, Nugal valley, Sool Plateau, west Golis-Guban and Agropastoral (150-200% LTM).
- Below normal rains in livelihood zones: Gebi valley of Lasqoray and parts of east Golis (40-60% of normal June '10)
- Pasture condition is good to average, except Gebi valley (Lasqoray) and parts of east Golis which is poor.

Karan Rains (July – Sept. '10.)

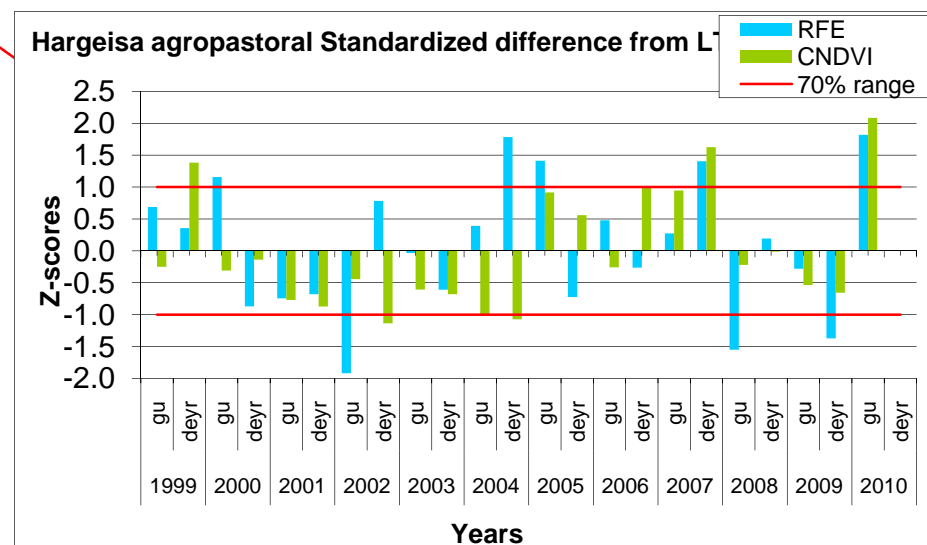
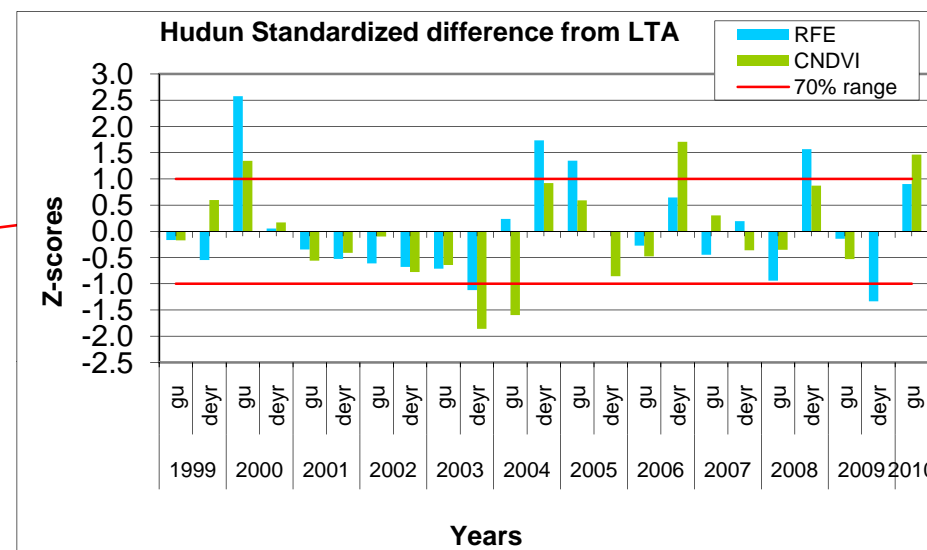
- Start of Season: Karan rains started on time in July '10 and are still ongoing
- Temporal and Spatial Distribution: Karan rains are widely distributed in agro-pastoral areas of W/galbeed and Awdal regions
- Normal rains: in most parts of Northwest and Togdheer Agropastoral livelihood zones

Climate

Performance of the *Gu* 2010 Season



July NDVI difference from long term average



Civil Insecurity

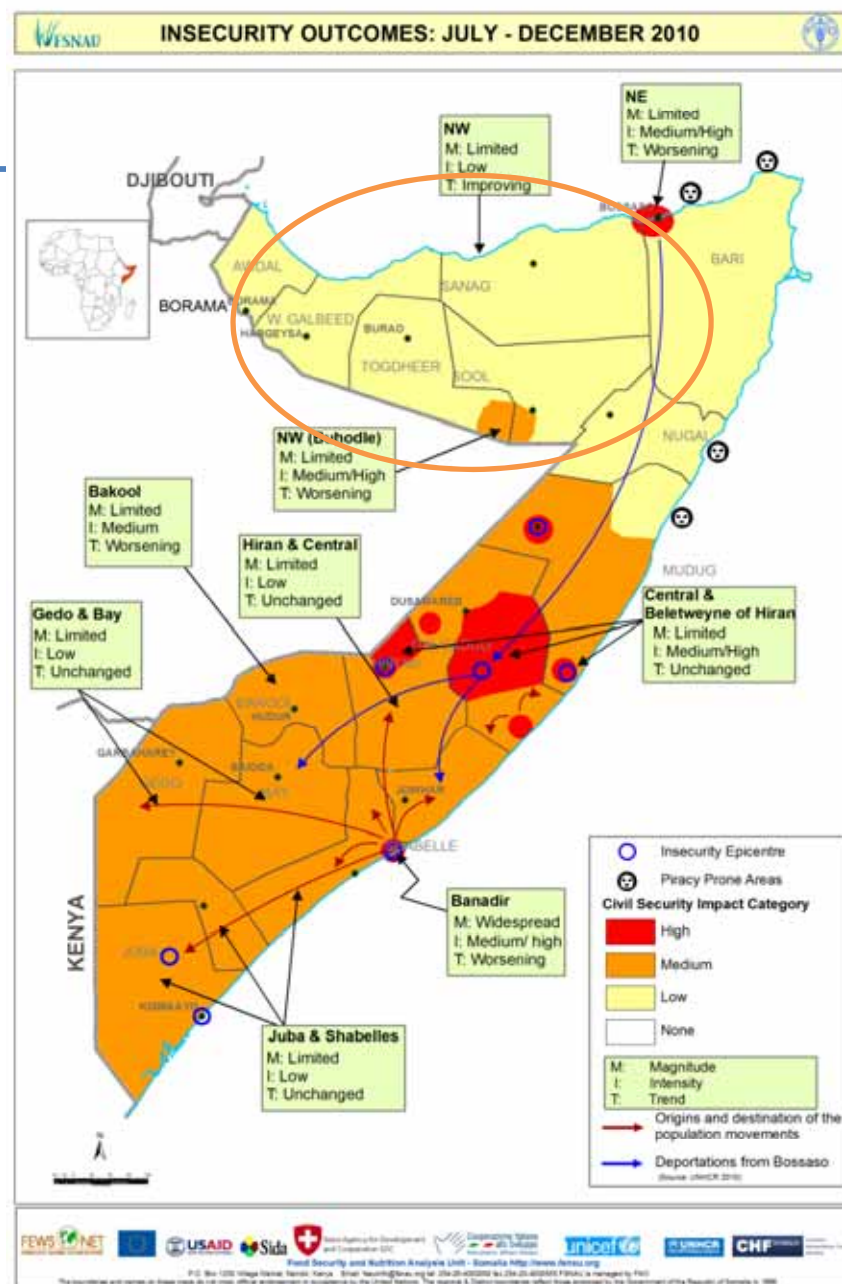
➤ Civil Security Situation:

- Overall the security situation in the Northwest remains stable.
- There is high political tension with sporadic open clashes between Somaliland Authority and clan-based militia from Buhoodle district of Togdheer region. However, efforts are made by elders and the newly elected government to promote peace in the area.

➤ Direct and Indirect Impacts on Food Security & Nutrition:

- Limited movement of transport
- Increased transportation costs

Source: FSNAU & Protection Cluster





Agriculture

Northwest Cereal Production

Gu Cereal Production and <i>Karan</i> Projected Production Estimates in Somaliland (Northwest)						
Regions	Gu 2010 Production in MT			Gu-Karan 2010 as % of Gu- Karan 2009	Gu-Karan 2010 as % of Gu- Karan PWA (1998-2010)	Gu-Karan 2010 as % of 5 year average (2005-2009)
	Maize	Sorghum	Total Cereal			
Awdal	1511	2575*	2575* 1511	350%	136%	127%
Togdheer	445	2932	3377	1430%	620%	466%
Woqooyi Galbeed	7141	33800*	33800* 7141	588%	282%	239%
TOTAL	9097	36375* 2932	36375* 11529	735%	286%	230%

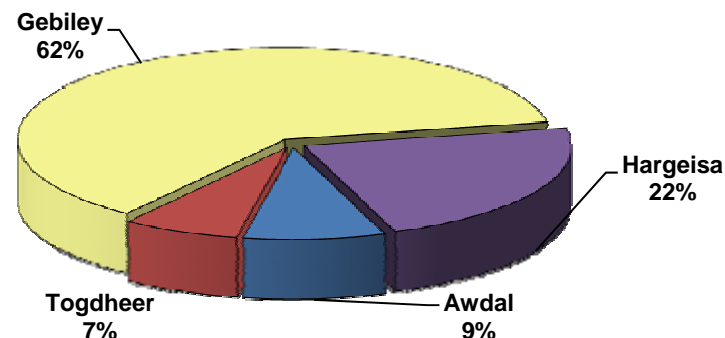
* Projected sorghum production



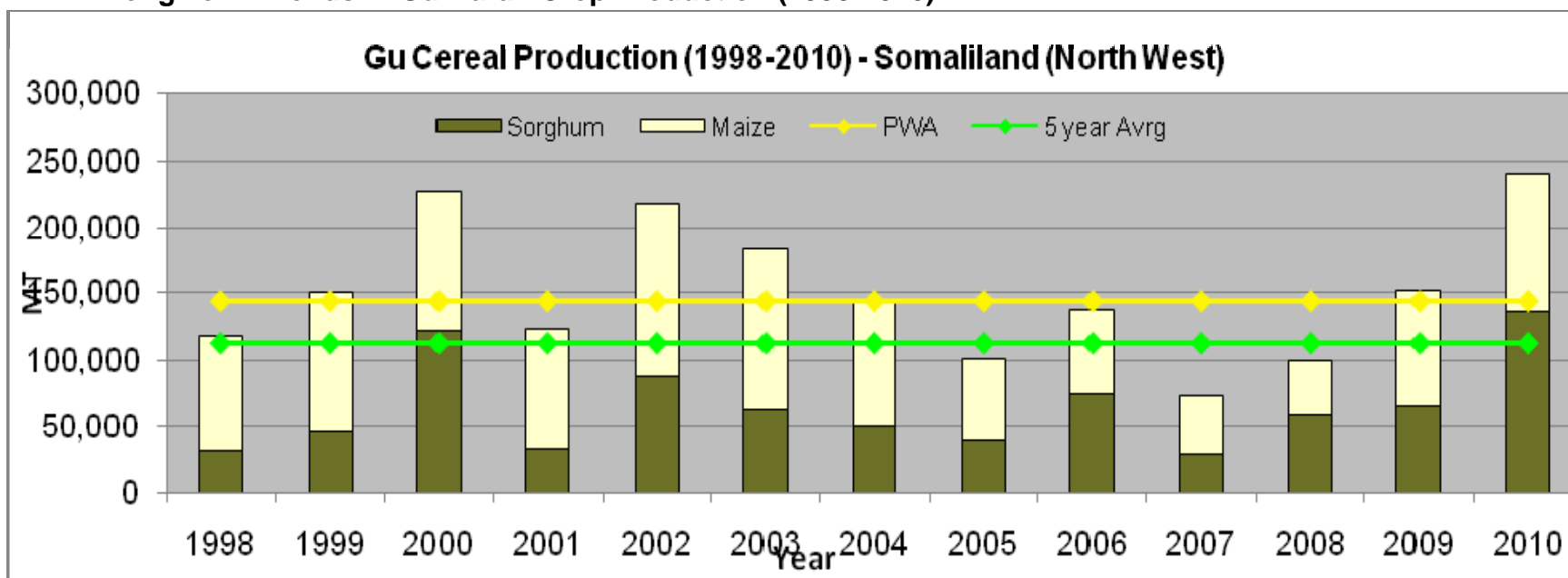
Agriculture

Trends in *Gu/Karan* '10 Crop Harvest Estimates

***Gu/Karan* '10
Crop Estimates (Harvested & Projected)
Regional Distribution**



Long Term Trends in *Gu-Karan* Crop Production (1998-2010)





Agriculture

Gu 2010 Assessment Photos



Good Crop Harvest. Gatiitalay, Oodweyne,
Togdheer, July 2010

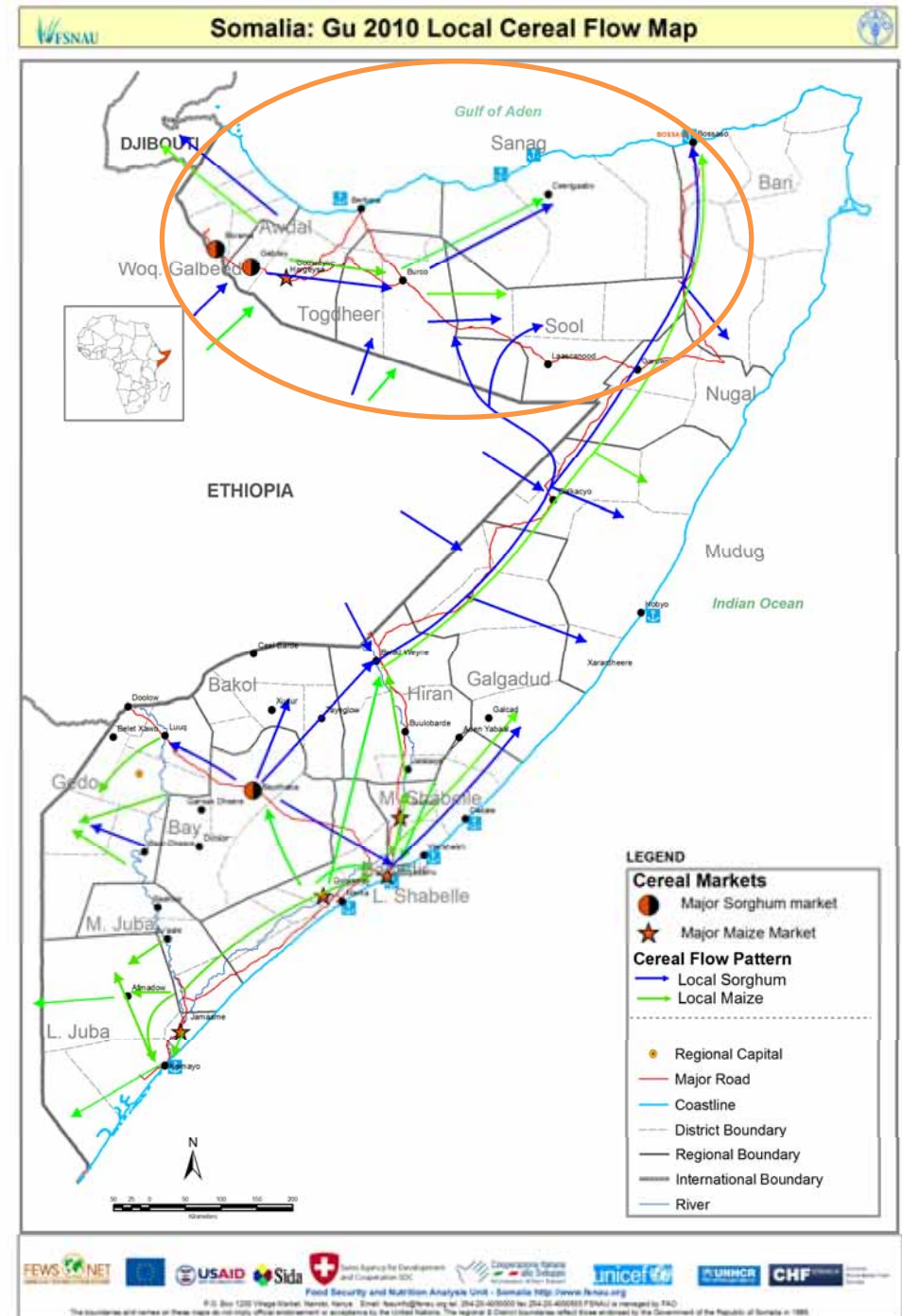


Good Sorghum Establishment. Idhanka, Gabiley,
W. Galbeed, July 2010



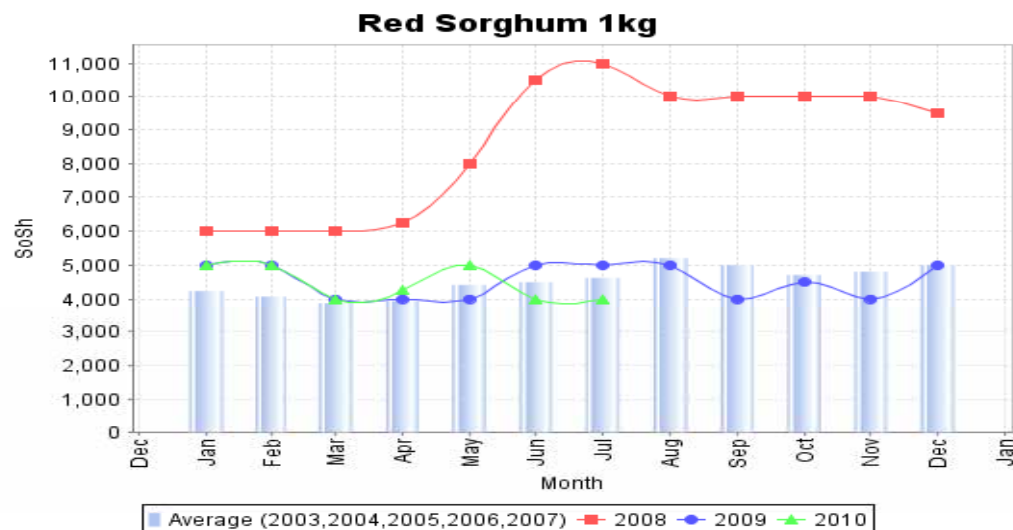
Agriculture

Gu 2010 Local Cereal Flow

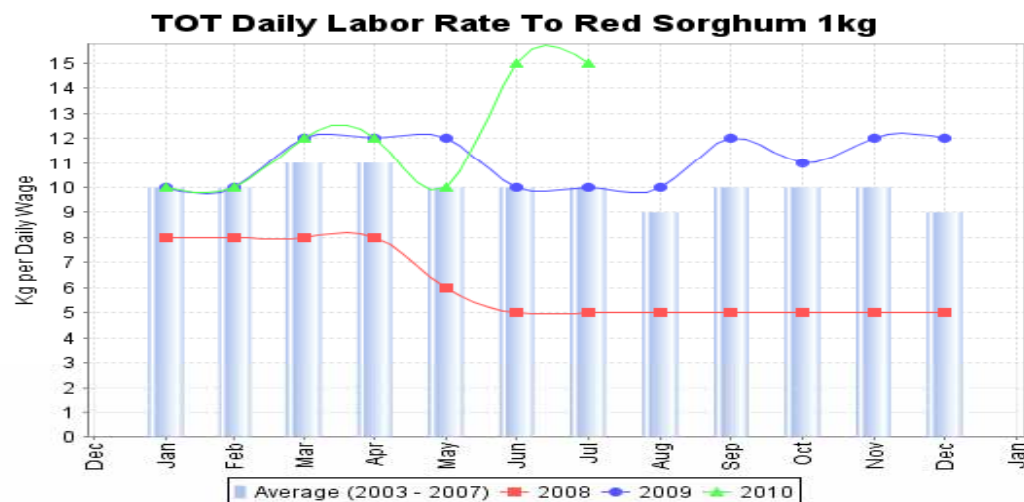


Agriculture

Regional Trends in Cereal Prices & Terms of Trade - Burao



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



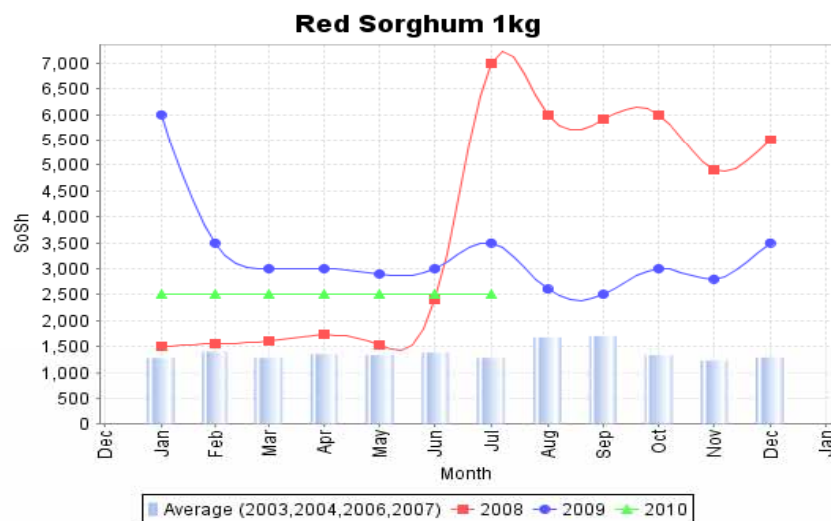
**Regional Trends in
Terms of Trade:
Cereal to Labor**

**(kg of sorghum
/daily wage)**

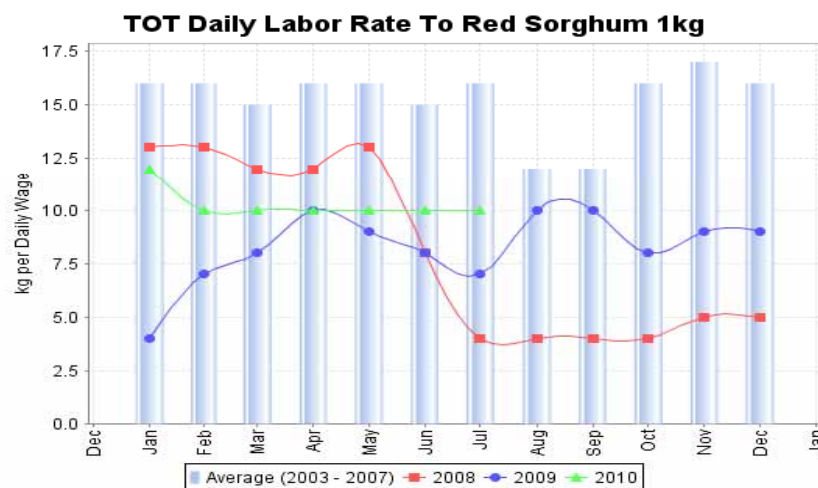


Agriculture

Regional Trends in Cereal Prices & Terms of Trade - Hargeysa



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



**Regional Trends in Terms of
Trade: Cereal to Labor**

**(Kg of sorghum/
daily wage)**



Livestock

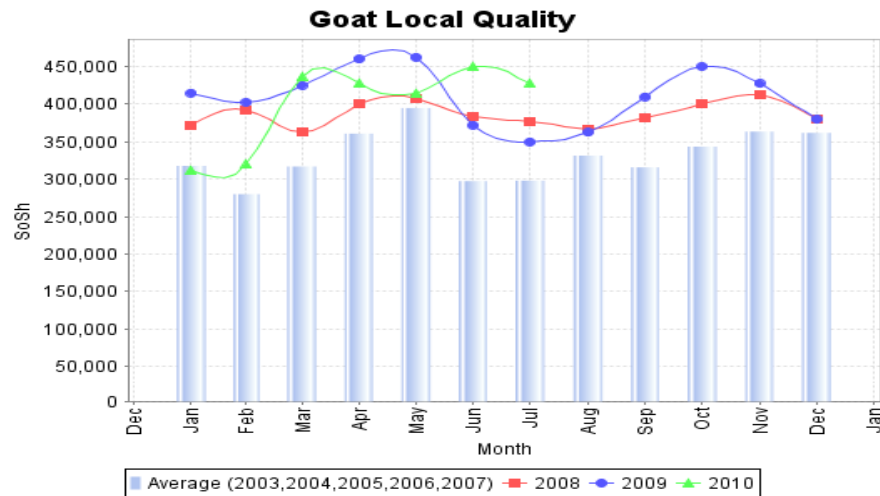
Livestock Body Conditions & Trends in Production

Region	Conception (Gu '10)	Calving/kidding (Gu '10)	Milk production (Gu '10)	Expected calving/ kidding July - Dec '10	Herd Size Projections at (July - Dec '10)	
					Livelihoods	Livestock species
NW	<u>Hawd</u> Camel: High to Medium Sheep/goats: High to Medium	<u>Hawd</u> Camel: Low to none Sheep/goats: Medium to High	<u>All Species:</u> Below Average	Hawd: Camel: Low to Medium Sh/goats: High to Medium	Hawd	<u>Camel:</u> Near Baseline. Decreased by 12% between Jan – Jun '10, but expected to increase by 3% till Dec. '10 <u>Sheep/goats:</u> Same as Baseline. Decreased by 4% between Jan – Jun '10, but expected to increase by 5% till Dec. '10
	<u>Nugaal valley:</u> Camel: High to medium Sheep/goats: Medium to High	<u>Nugaal Valley</u> Camel: Low to none Sheep/goat: High to Medium	Below Average	Nugaal valley: Camel: Medium to Low Sh/goats: High to Medium	Nugaal Valley	Camel: Below Baseline. Decreased by 5% of Baseline between Jan – Jun '10, but is expected to increase by 6% till Dec. 10 Sheep/Goats: Below Baseline. Increased by 5% between Jan – Jun '10 and expected further increase of 9% till Dec '10
	<u>Sool plateau</u> Camel: High to Medium Sheep/goats: High to Medium	<u>Sool Plateau</u> Camel: None Sheep/goats: High to Medium	Below Average	Sool plateau: Camel: Low to None	Sool Plateau	Camel: Below Baseline. Maintained the Dec. '09 Herd size and expected unchanged till Dec. '10% Sheep/Goat: Near Baseline. Decreased by 1% between Jan – Jun '10 and is expected to increase by 4% till Dec. '10
	<u>Golis/Guban:</u> Camel: High to Medium Sheep/goats: High to Medium	<u>Golis/Guban</u> Camel: Low to None Sheep/goats: Medium to High	Below Average	Golis/Guban: Camel: Low to Medium Sh/Goat: High to Medium	Golis guban	Camel: Above Baseline. Increased by 35% between Jan – Jun '10 and further increase of 19% is expected till Dec. '10 Sheep/goats: Near Baseline. Increased by 9% between Jan – Jun '10 and is expected to increase by 11% of Baseline till Dec. '10

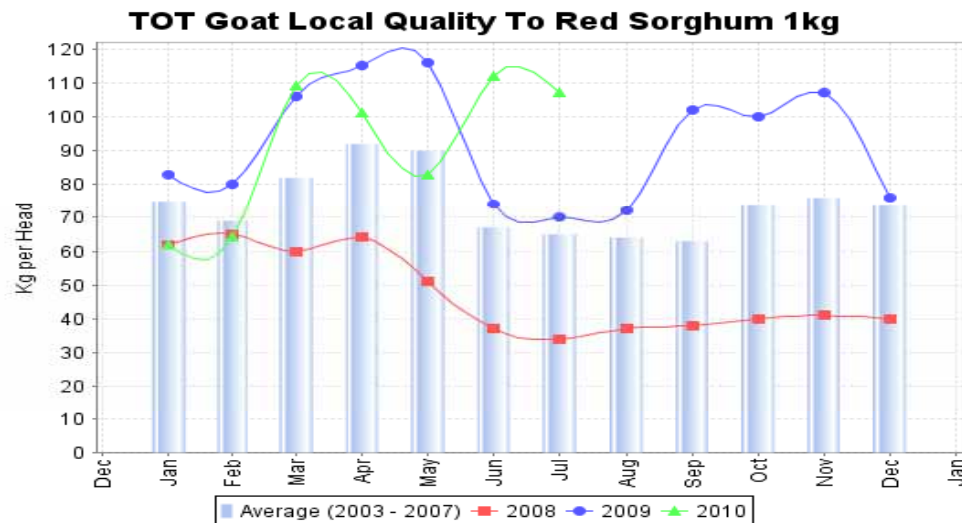


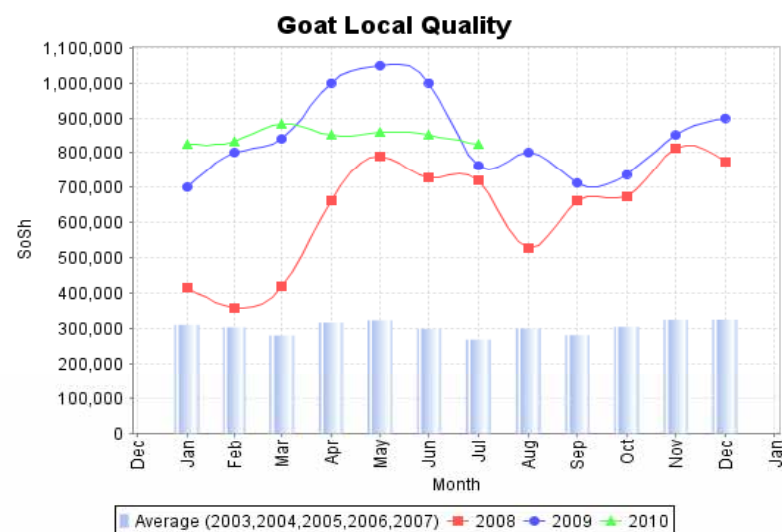
Livestock

Trends in Livestock Prices and Terms of Trade - Burao

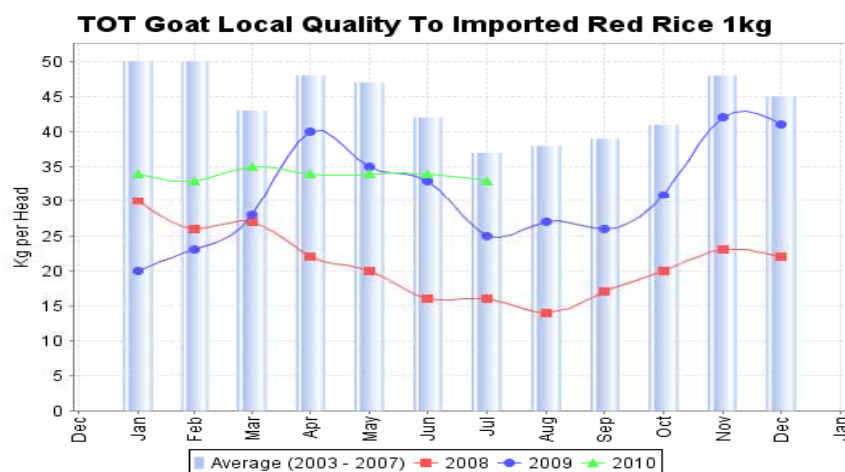


**Regional Trends in
Terms of Trade:
Cereal to Goat
(sorghum kg/head)**





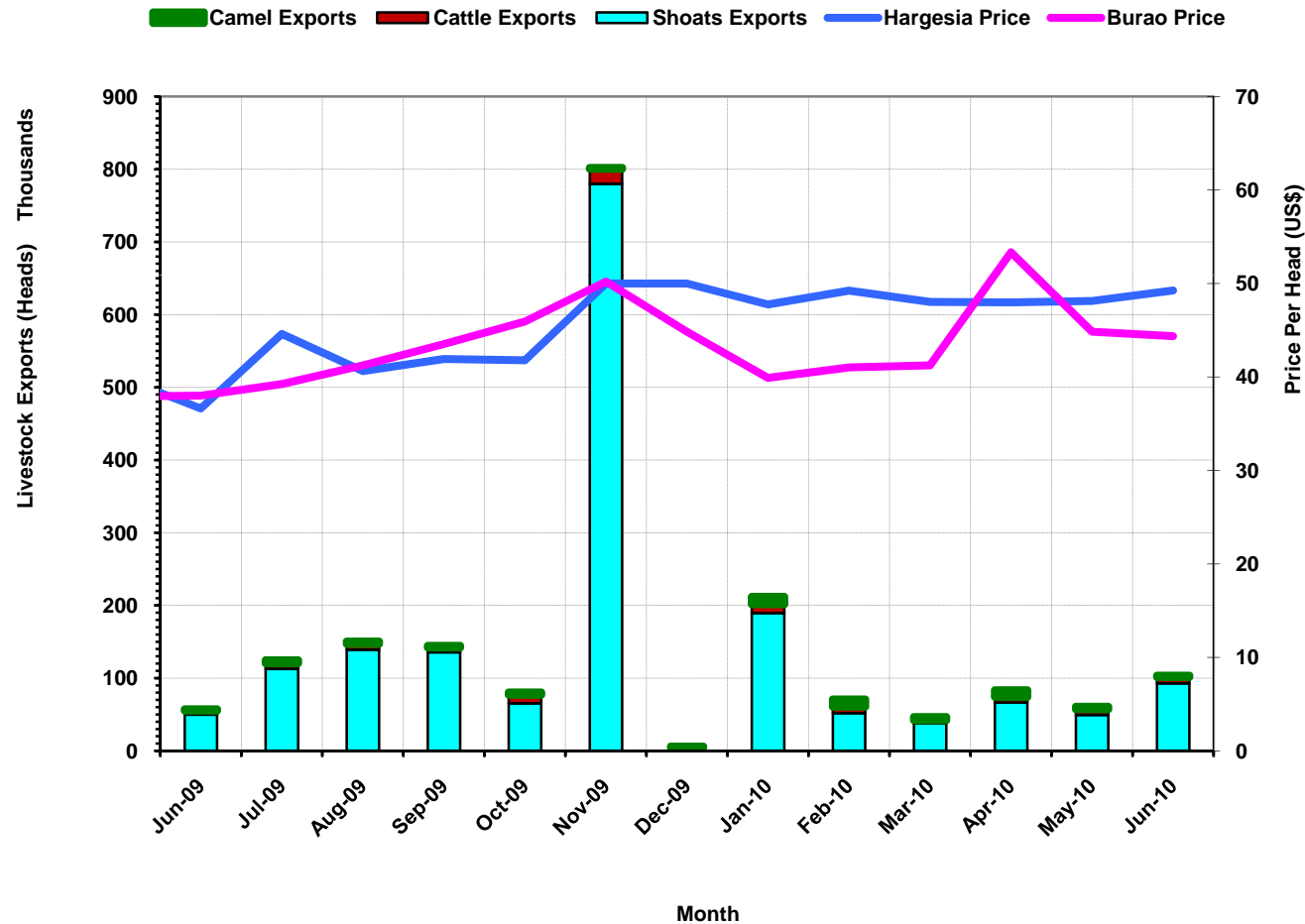
Regional Trends in Goat Local Quality Price and Terms of Trade: Cereal to Goat Local Quality





Livestock

Trends in Livestock Exports – Berbera Port





Livestock

Gu 2010 Assessment Photos



Lamb Kids Upper Nugal Valley, Sool Region, July '10



Good Pasture Condition. Hawd, Burao (Togdheer), July '10

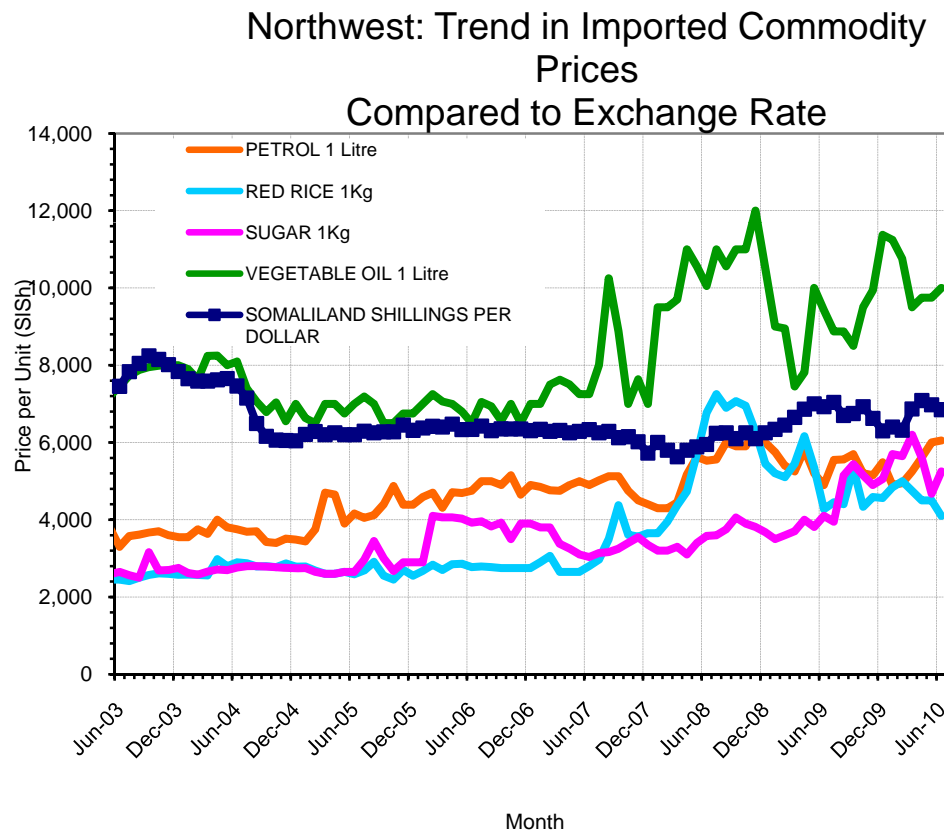


Very Good Pasture Condition. Hawd (Hargeisa), July '10



Markets

Trends in Imported Commodity Prices



Factors Affecting Commercial Import Prices:

- Appreciation of SLSh (cheaper imports)
- Decreased global rice prices
- Increased local cereal market supply decreased demand for imported cereals
- Low sugar market supply increased sugar price



Nutrition

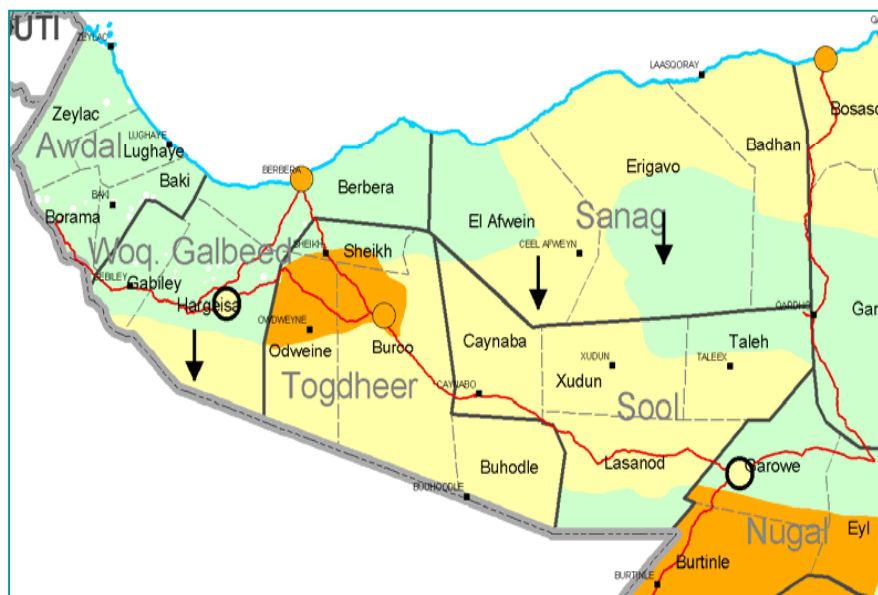
Summary of Nutrition Findings

Region	Nutrition Surveys (Jan-Jul 2010)	Rapid MUAC Screening (%) <12.5cm)	Health Information System Info (Source: HIS data R=3)	TFC/OTP/ SFC	Other relevant information – Key driving factors	Summary of analysis and change from Deyr '09/10
Pastoral – Agro- Pastoral	<u>West Golis/Guban</u> GAM:13.8% Pr=0.90 SAM: >2.5%	3.5 (0.4-6.7)	HIS TRENDS: Low and stable number of acutely malnourished children	High but stable trends	MORBIDITY: No disease outbreaks. interventions by WV, SRCS, UNICEF, poor milk availability	<u>West Golis/Guban</u> Deteriorated from Alert to Serious- Seasonal
	<u>Hawd</u> GAM:13.8% Pr=0.90 SAM: >0.1%	4.04 (1.5-6.6)	HIS nutrition trend: Low and stable no. of acutely malnourished children	N/A	MORBIDITY: No disease outbreaks. Poor milk availability	<u>Hawd</u> remains Serious no change
	<u>East Golis of Sanaag and Gebbi Valley</u> GAM:9.3% Pr=0.90 SAM: Pr>0.1%	2.5 (0.3-4.6)	HIS nutrition trend: Low and stable no. of acutely malnourished children	High and stable trends	MORBIDITY: No disease outbreaks, poor milk availability	<u>East Golis of Sanaag/Gebbi</u> Slight Improvement from Serious to Alert
	<u>Sool Plateau</u> GAM:7.0% Pr=0.90 SAM: Pr>0.6%	2.5 (0-5.9)	HIS nutrition trend: Low and decreasing no. of acutely malnourished children	N/A	MORBIDITY: No disease outbreaks, poor milk availability	<u>Sool Plateau</u> Stable at Alert
	<u>Nugal Valley</u> GAM:7.9% Pr=0.90 SAM: Pr>0.1%	2.5 (0-5.9)	HIS nutrition trend: high and fluctuating trend. of acutely malnourished children	Outreach OTP showing cases	MORBIDITY: No disease outbreaks, increased cases of diarrhea, poor milk availability	<u>Nugal Valley</u> Improved from Serious to Alert
	<u>Galbeed- and Awdal agro pastoral.</u> GAM:8.8% Pr=0.90 SAM: Pr>0.3%	5.8 (2.1-9.4)	HIS nutrition trend: Low and decreasing no. of acutely malnourished children	N/A	MORBIDITY: No disease outbreaks. Poor milk	<u>Galbeed and Awdal</u> <u>Agropastoral</u> Stable at Alert
	<u>Togdheer Agro-pastoral</u> GAM:12.2% (9.3-15.8) SAM: 2.3 (1.6-3.5)	4.8 (2.7-6.9)	•HIS nutrition trend: Low and stable numbers of malnourished children	N/A	MORBIDITY: 35.5%, DD: Is fair, cereal available, poor milk availability	<u>Togdheer Agro pastoral -</u> Improved from Critical to Serious

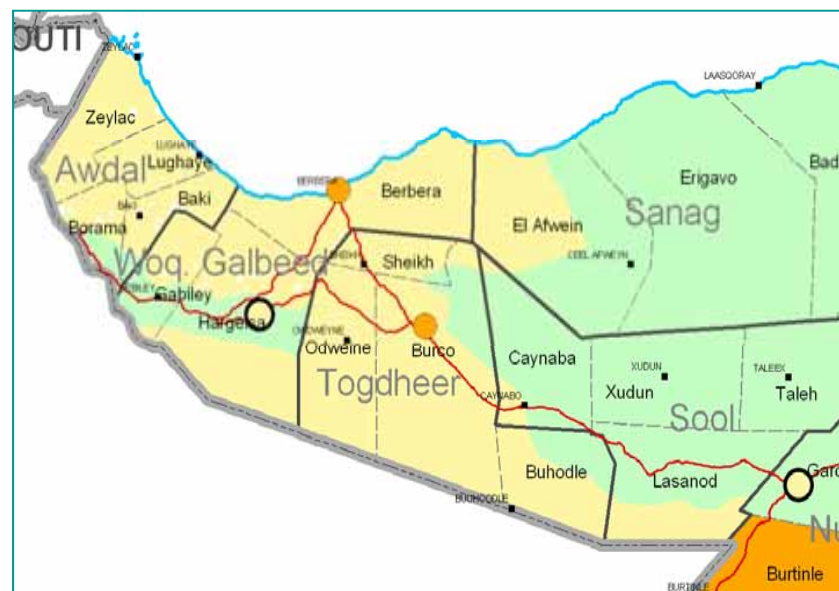
Nutrition

Nutrition Situation Estimates

Nutrition Situation Estimates, Jan 2010

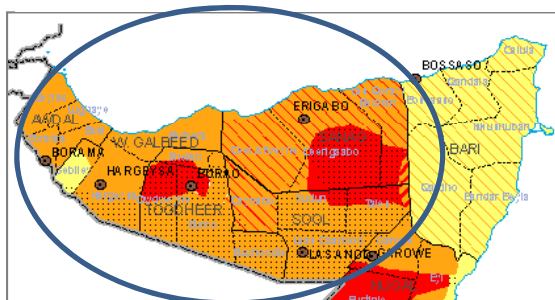


Nutrition Situation Estimates, Jul 2010

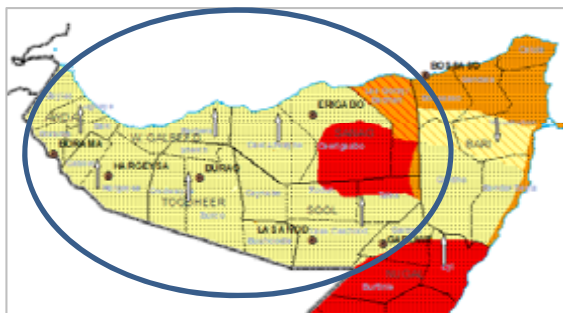


Summary: Progression of Rural IPC Situation

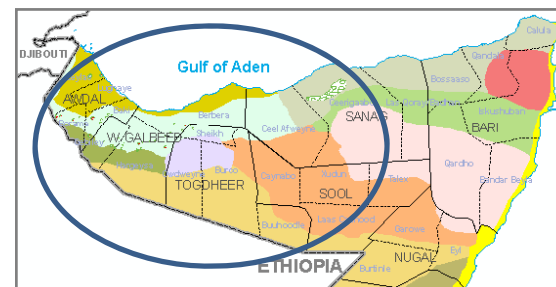
MAP 1: IPC Deyr 2009/10



MAP 2: IPC, Gu 2010



MAP 3: LIVELIHOOD ZONES



Key IPC Reference Outcomes:

Pastoral of Sool-Sanag Plateau: HE: 50% of poor and AFLC: 50% of poor
East Golis/Gebi of Lasqoray district (Sanaag region): AFLC: 75% of poor

- **Food Access:** Severe entitlement gap, unable to meet 2100 kcal ppp day
- **Water Access:** water availability normal, but access of the poor for human is constrained due to lack of back camel.
- **Destitution/Displacement:** diffused
- **Coping:** distress strategies, but decreasing
- **Livelihood Assets:** increased, but significantly below baseline

Main Contributing Factors:

- ☐ Limited asset holding
- ☐ Lack of milk production (camel)
- ☐ Reduced household income from own production (livestock/ milk sales)
- ☐ High indebtedness (loans)
- ☐ Increased expenditure on water for human consumption.



IPC

Main Contributing Factors: Togdheer Agropastoral

Rationale for upgrading from HE in Deyr '09/10 to BFI Gu in '10:

- Good rainfall performance in *Gu* 2010
- Increased cultivated area due to FAO, UNHCR, etc. livelihood interventions (tractor hours, seeds): sorghum: from 560 ha to 2,950 ha, 427% inc.; maize: from 25 ha to 590ha - 1360% inc.
- Increased cereal production: 1,430% of *Gu* '09, 620% of PWA and 446% of 5-yr average (2005-2009)
- Cereal stocks: on average 4 bags for the poor households, that could last up to four months
- Increased income from cash crops: water melon, crop fodder and grass fodder
- Availability of saleable sheep/goats compared to last season due to improved body condition.



IPC

Estimated Rural Population in AFLC & HE by Districts

NW 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)
Awdal						
Baki	16,923	2,000	0	0	0	
Borama	132,695	17,000	0	0	0	
Lughaye	22,094	2,000	0	0	0	
Zeylac	22,801	2,000	0	0	0	
Sub-total	194,513	23,000	0	0	0	
Woqooyi Galbeed						
Berbera	18,683	1,000	0	0	0	
Gebiley	53,717	3,000	0	0	0	
Hargeysa	137,513	26,000	0	0	0	
Sub-total	209,913	30,000	0	0	0	
Togdheer						
Burco	191,748	52,000	2,000	0	0	
Buuhoodle	28,821	8,000	0	0	0	
Owdweyne	30,924	8,000	1,000	0	0	
Sheikh	27,400	7,000	1,000	0	0	
Sub-total	278,893	75,000	4,000	0	0	
Sanaag						
Ceel Afweyn	53,638	14,000	1,000	1,000	1,000	
Ceerigaabo	83,748	18,000	6,000	3,000	3,000	
Laasqoray/Badhan	76,902	28,000	15,000	12,000	11,000	
Sub-total	214,288	60,000	22,000	16,000	15,000	
Sool						
Caynabo	24,026	7,000	0	0	0	
Laas Caanood	50,606	15,000	0	0	0	
Taleex	20,983	7,000	2,000	1,000	1,000	
Xudun	15,528	5,000	1,000	1,000	1,000	
Sub-total	111,143	34,000	3,000	2,000	2,000	
Grand Total	1,008,750	222,000	29,000	18,000	17,000	
TOTAL AFFECTED POPULATION IN AFLC & HE		251,000		35,000		



IPC

Estimated Rural Population in AFLC & HE by Livelihood Zones

NW 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)
Awdal					
NW NWAgro-past	76,159				
Fishing	1,149	0	0	0	0
Golis Pastoral	74,592	3,000	0	0	0
Guban Pastoral	42,612	3,000	0	0	0
Sub-total	194,513	23,000	0	0	0
Woqooyi Galbeed					
Fishing	1,437	0	0	0	0
Golis Pastoral	67,455	2,000	0	0	0
Hawd Pastoral	70,830	20,000	0	0	0
NWAgro-past: Sorghum, cattle	70,191	8,000	0	0	0
Sub-total	209,913	30,000	0	0	0
Togdheer					
Golis-Guban pastoral: Goats, camel	23,698	6,000	0	0	0
Hawd Pastoral	223,347	63,000	0	0	0
Nugal Valley Pastoral: Sheep & camel	11,984	4,000	0	0	0
Togdheer Agro-past: Sorghum, cattle	19,864	2,000	4,000	0	0
Sub-total	278,893	75,000	4,000	0	0
Sanaag					
Fishing	15,193	0	0	0	0
Golis-Guban pastoral: Goats, camel	56,596	15,000	0	4,000	0
Kakaar pastoral: sheep & goats	30,415	0	0	3,000	0
Nugal Valley Pastoral: Sheep & camel	37,396	11,000	0	0	0
Potato Zone & Vegetables	7,052	0	0	0	0
Sool-Sanag Plateau Pastoral	61,347	34,000	22,000	9,000	9,000
Destitute pastoralists	6,289	-	-	0	6,000
Sub-total	214,288	60,000	22,000	16,000	15,000
Sool					
Hawd Pastoral	30,108	8,000	0	0	0
Nugal valley-lowland pastoral: Sheep, camel	72,608	22,000	0	0	0
Sool-Sanag Plateau Pastoral	7,697	4,000	3,000	2,000	1,000
Destitute pastoralists	730	-	-	0	1,000
Sub-total	111,143	34,000	3,000	2,000	2,000
GRAND TOTAL	1,008,750	222,000	29,000	18,000	17,000
TOTAL AFFECTED POPULATION IN AFLC & HE		251,000		35,000	

$g\{x \times \zeta_W$