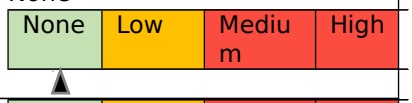
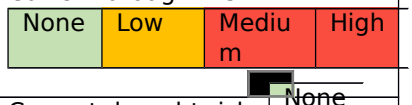
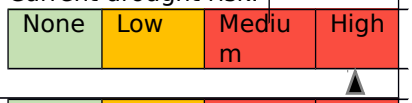
Triggers and tresholds

Flooding:

Message Nr	**Condition**	**User**	**Message text SMS**	**Message text email**	**Impact** tbd
F1	No flooding		none	**No flood risk**	
F2	Light to moderate flooding		"Flood Alert". Some flooding of Lower Nzoia floodplains likely.	**Flood Alert**. Some flooding of lower Nzoia floodplains likely.	
F3	Heavy flooding		"Flood Warning. Heavy flooding of lower Nzoia floodplains likely.	**Flood Warning**. Heavy flooding of lower Nzoia floodplains likely.	
F4	End of heavy flooding		End of flood warning: floodwater subsiding but local flooding possible.	End of flood warning: floodwater subsiding but local flooding possible.	

Drought:

Message Nr	**Condition**	**User** (tbd)	**Message text SMS**	**Message text email**
D1	No drought Drought risk level 0		No above average drought conditions	None 
D2	Low drought risk Drought risk level 1		Warning: Drought conditions developing	
D3	Moderate drought risk Drought Risk level 2		Moderate drought possible	Current drought risk: 
D4	Severe drought risk Drought Risk level 3		Severe drought likely	Current drought risk: 
D4	End of drought risk		Average-above average conditions present	

Sequence for simulation 2013. Classification of flood conditions.

Table xx: Flood incidences at Lower Nzoia -Rwambwa gauge station

Date	Stage	Observed		Flood height, (m)	Message / email nr tbd
		Height (m)	discharge (m3/s)		
1/1/2013	1 Crest	6.23	520	2.05	F3 Severe
8/1/2013	1 End	4.18	354		F4 end of alert
				0	
3/2/2013	2 Start	4.18	354		F2 Light-moderate
7/2/2013	2 Crest	5.23	459	1.25	F2 Light-moderate
15/2/2013	2 End	4.18	354		F4 end of alert
				0	
28/2/2013	3 Start	4.18	354		F2 Light-moderate
1/3/2013	3 Crest		414	0.85	F2 Light-moderate
8/03/2013	3 End	4.18	354		F4 end of alert
				0	
8/04/2013	4 Start	4.18	354		F2 Light-moderate
15/04/2013	4 Crest		565	2.60	F3 Severe
13/05/2013	4 End	4.18	354		F4 end of alert
				0	
28/03/2013	5 Start	4.18	354		F2 Light-moderate
30/04/2013	5 Crest		471	1.50	F2 Light-moderate
2/05/2013	5 End	4.18	354		F4 end of alert
				0	
3/05/2013	6 Start	4.18	354		F2 Light-moderate
11/05/2013	6 Crest		409	0.70	F2 Light
15/05/2013	6 End	4.18	354		F4 end of alert
				0	
3/09/2013	7 Start	4.18			F F2 Light-moderate
11/09/2013	7 Crest		633	3.35	F3 Severe
29/09/2013	7 End	4.18			F4 end of alert
				0	

31/12/20 13	7	End	0

*) Threshold: 354 m3/s - 4.18 m height

**) Crest = peak of flood event

Table .. : Drought condition Turkana in 2011 by Ward
(by ten day period or month ? based on moving 3 month SPI values)

Date Decadal	SPI *)	Drought scenario/ condition	Vuln			Risk	Message /email nr
			1	2	3		
1/1							
2/1							
3/1							
1/2							
2/2							
3/2							
1/3							
2/3							
3/3							

SPI -1 - +1: near normal
SPI -2 - -1: dry
SPI < -2 very dry

Risk= SPI x Vuln
Low=
Medium= - -4
High = < -6

Drought Kwale 2009

Date	SPI	Message /email nr	

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