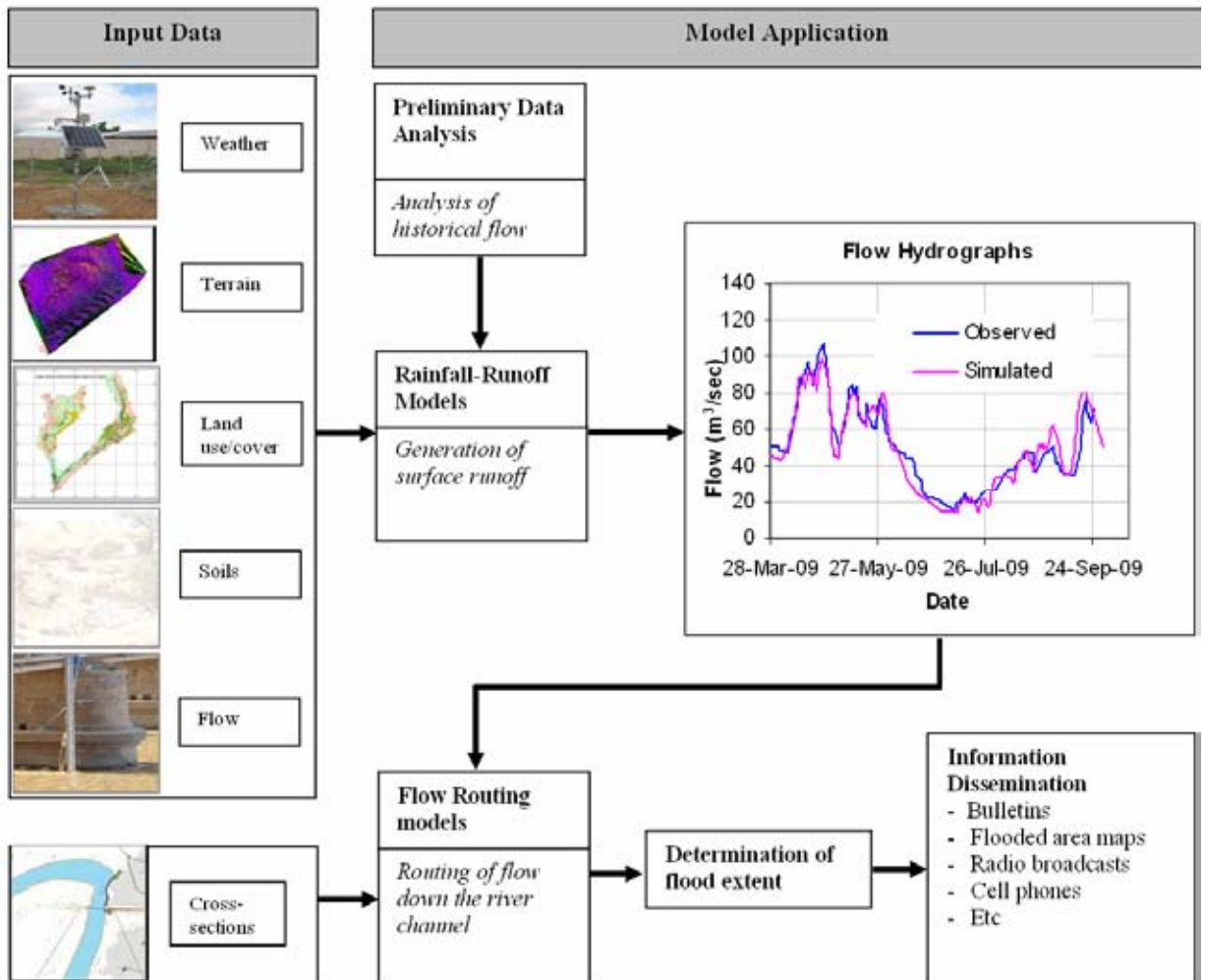


Somalia Flood Forecasting System



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List of Abbreviations

ANN	Artificial Neural Network
AR	Auto Regression
AWS	Automatic Weather Station
CHARM	Collaborative Historical African Rainfall Model
DEM	Digital Elevation Model
DTM	Digital Terrain Model
ECMWF	European Centre for Medium Range Weather Forecast
ERA	ECMWF Re-Analysis
EROS	Earth Resources Observation and Science of USGS
EU	European Union
FEWS NET	Famine Early Warning Systems Network
FWG	Flood Working Group
GeoSFM	Geospatial Stream Flow Model
GFMFS	Galway River Flow Modelling and Forecasting System
GIS	Geographic Information System
GUI	Graphical User Interface
HEC-RAS	Hydrologic Engineering Centre - River Analysis System
JRC	Joint Research Centre
LPM	Linear Perturbation Model
LVGFM	Linearly Varying Gain Factor Model
NGO	Non Governmental Organization
NOAA-CPC	National Oceanic and Atmospheric Administration – Climate Prediction Centre
NWP	Numerical Weather Prediction
OF	Objective Function
OLS	Ordinary Least Squares
RFE	Rainfall Estimates
SCE-UA	Shuffle Complex Evolution Metropolis, University of Arizona
SCS	Soil Conservation Service
SLM	Simple Linear Model
SRTM	Shuttle Radar Topography Mission
SWALIM	Somalia Water and Land Information Management
USAID	United States Agency for International Development
USGS	United States Geological Survey

Somali Climate Seasons

<i>Gu</i>	April to June main rainy season
<i>Hagaa</i>	July to September hot and windy season
<i>Deyr</i>	October to November short rainy season
<i>Jilaal</i>	December to March very dry and cool season

Table of Contents

List of Abbreviations	iii
Somali Climate Seasons	iv
List of Figures	vii
List of Tables	ix
Acknowledgement	x
Chapter 1	1
Introduction	1
1.0 Background	1
1.1 Objectives of the Report.....	2
1.2 Juba and Shabelle River Basins	2
1.2.1 Juba Basin.....	2
1.2.2 Shabelle Basin.....	3
1.3 Flood Forecasting Model Components	4
1.3.1 Rainfall-Runoff Model.....	4
1.3.2 Flow Routing Model	4
1.4 Layout of the Report	4
Chapter 2	7
Data Availability and Analysis.....	7
2.0 Introduction.....	7
2.1 Data Availability	7
2.1.1 Flow Data.....	7
2.1.2 Rainfall Data	12
2.1.3 Channel Characteristics Data	12
2.1.4 Spatial Data	12
2.2 Preliminary Data Analysis	16
2.2.1 Flow Data.....	16
2.2.1.1 Seasonal Flows.....	16
2.2.1.2 Shifts in Data Series.....	19
2.2.1.3 Preliminary Routing Analysis.....	24
2.2.2 Rainfall Data	28
Chapter 3	29
Description of Hydrological Models.....	29
3.1 General Overview	29
3.1 Rainfall Runoff Models	30
3.1.1 LISFLOOD Model.....	30
3.1.2 Geospatial Stream flow Model – GeoSFM.....	32
3.2 Inflow and Flood Routing Models.....	34
3.2.1 Hydrodynamic Routing Models.....	35
3.2.1.1 HEC River Analysis System (RAS) Model	35
3.2.2 Galway Flow Modelling and Forecasting System (GFMFS)	36
3.2.3 Regression Models.....	38
3.3 Real-Time Flow Forecasting.....	39
3.4 Model Calibration and Verification	40

Chapter 4	41
Models Application and Results	41
4.0 Model Evaluation Criteria.....	41
4.1 Application of LISFLOOD Model.....	41
4.1.1 Data Used to Configure LISFLOOD Model.....	41
4.1.2 Model Calibration	41
4.1.3 Calibration Results.....	42
4.2 Application of the USGS Model.....	44
4.2.1 Data Used to Configure the USGS Model.....	44
4.2.2 Model Calibration	44
4.2.3 Model Results	45
4.3 Application of HECRAS Model	46
4.3.1 HECRAS Data Requirements	46
4.3.2 Model Calibration	48
4.3.3 Model Results	49
4.4 Application of GFMFS	52
4.4.1 GFMFS Data Requirements.....	52
4.4.2 Model Calibration	52
4.4.3 Model Results	52
4.5 Regression Models.....	54
4.5.1 Data Used.....	55
4.5.2 Model Results	55
4.6 Model's Summary Results	62
Chapter 5	64
Challenges and Limitations.....	64
5.1 Data Limitations.....	64
5.2 Model Limitations.....	65
Chapter 6	66
Conclusions and Recommendations.....	66
6.1 Conclusions.....	66
6.2 Recommendations	66
Bibliography and Literature Consulted.....	68
Annexes	69
Annex A: List of Rainfall Monitoring Stations	70
Annex B: Results of Models Calibration	75

List of Figures

Figure 1.1: Juba and Shabelle River Basins.....	3
Figure 1.2: Structure of the Somalia Flood Forecasting System	6
Figure 2.1: Location of Pre-war Gauging Stations along Juba and Shabelle Rivers ...	8
Figure 2.2: Rating Curves for Selected Stations in Juba.....	10
Figure 2.3: Rating Curves for Selected Stations in Shabelle	11
Figure 2.4: Locations of Rainfall Stations in Southern Somalia.....	13
Figure 2.5: Cross Sections for Selected Stations along Juba River	14
Figure 2.6: Cross Sections for Selected Stations along Shabelle River.....	15
Figure 2.7: Seasonal Mean Flows for Stations along Shabelle River	17
Figure 2.8: Seasonal Mean Flows for Stations along Juba River	17
Figure 2.9: Correlation of Flow between Belet Weyne and Afgoi Stations	18
Figure 2.10: Correlation of Flow between Luuq and Jamame Stations.....	18
Figure 2.11: Double Mass Curve for Belet Weyne and Bulu Burti Flows	20
Figure 2.12: Double Mass Curve for Luuq and Bardere Flows.....	20
Figure 2.13: Long Term Mean Flow at Luuq	22
Figure 2.14: Long Term Mean Flow at Bardere	22
Figure 2.15: Double Mass Curve for Luuq and Corrected Bardere Flows	23
Figure 2.16: Long Term Mean Flow at Bardere after Data Correction	23
Figure 2.17: Correlation between Luuq and Bardere Flow at no Lag-time	25
Figure 2.18: Correlation between Luuq and Bardere Flows at 2-Days Lag-time.....	25
Figure 2.19: Correlation between Belet Weyne and Bulu Burti Flows at Lag zero ..	26
Figure 2.20: Correlation between Belet Weyne and Bulu Burti Flows at 2-Days Lag- time.....	26
Figure 2.21: Scatter Plot of Rising Hydrograph Phase for Belet Weyne and Bulu Burti Flows with 2 Day Lag.....	27
Figure 2.22: Scatter Plot of Falling Hydrograph Phase for Belet Weyne and Bulu Burti Flows with 2 Day Lag.....	28
Figure 3.1: Overview of the LISFLOOD Model Internal Structure	31
Figure 3.2: Overview of the GeoSFM Model Internal Structure.....	33
Figure 3.3: Representation of Terms in the Energy Equation for HEC-RAS.....	36
Figure 3.4: Schematic Diagram of Linear Perturbation Model (LPM).....	37
Figure 4.1: Observed and Simulated Flow at Belet Weyne using LISFLOOD.....	43
Figure 4.2: Observed and Simulated Flow at Luuq using LISFLOOD	43
Figure 4.3: Simulated and Observed Flow at Luuq using ECMWF Data	45
Figure 4.4: Simulated and Observed Flow at Luuq using RFE Data.....	45
Figure 4.5: HECRAS River Network	47
Figure 4.6: HECRAS Channel Geometry	47
Figure 4.7: Scatter Graphs for Observed and Simulated Flow at Bulu Burti and Bardere using HECRAS.....	50
Figure 4.8: Observed and Forecast Flow at Bulu Burti using HECRAS	51
Figure 4.9: Observed and Forecast Flow at Bardere using HECRAS	51
Figure 4.10: Scatter Graphs for Observed and Simulated Flows at Bulu Burti and Bardere using GFMFS	53
Figure 4.11: Hydrograph of Observed and GFMFS Forecast Flows at Bulu Burti ..	54

Figure 4.12: Hydrograph of Observed and GFMFS Forecast Flows at Bardere	54
Figure 4.13: Bardere, 2 Day Forecast Based on Observed Levels at Luuq	56
Figure 4.14: Bulo Burti, 2 Day Forecast Based on Observed Levels at Belet Weyne	56
Figure 4.15: Observed and Forecast River Levels at Bardere Based on Observed Levels at Luuq.....	57
Figure 4.16: Observed and Forecast River Levels at Bulo Burti Based on Observed Levels at Belet Weyne	57
Figure 4.17: Belet Weyne - Bulo Burti with a 2 Day Lag during High Flows	58
Figure 4.18: Luuq - Bardere with a 2 Day Lag During High Flows.....	58
Figure 4.19: Observed and Forecast Flows at Bulo Burti.....	59
Figure 4.20: Observed and Forecast Flows at Bardera	59
Figure 4.21: Luuq - Bardera Peaks	60
Figure 4.22: Forecast Peaks at Bardera.....	61
Figure 4.23: Belet Weyne - Bulo Burti Peaks.....	61
Figure 4.24: Forecast Peaks at Bulo Burti	62

List of Tables

Table 2.1: Gauging Stations in Juba and Shabelle River	9
Table 2.2: Details of the Pre-war Daily Rainfall Stations in South Somalia	12
Table 2.3: Summary of Spatial Weather Data	16
Table 2.4: Data Adjustments for Selected Stations in Juba and Shabelle.....	19
Table 2.5: Lag Times between Upstream and Downstream Stations along Juba and Shabelle Rivers	24
Table 2.6: Lag Times at Rising and Falling Hydrograph Phases for Belet Weyne and Bulo Burti.....	27
Table 3.1: GeoSFM Model Parameters.....	34
Table 4.1: Correlation Coefficients for Different Models used in the Study.....	63