

UNDERSTANDING THE RELATIONSHIP BETWEEN URBAN BEST MANAGEMENT
PRACTICES AND ECOSYSTEM SERVICES

by

KELSEY R. MCDONOUGH

B.S., North Carolina State University, 2014

A THESIS

submitted in partial fulfillment of the requirements for the degree

MASTER OF SCIENCE

Department of Biological and Agricultural Engineering
College of Engineering

KANSAS STATE UNIVERSITY
Manhattan, Kansas

2015

Approved by:

Major Professor
Dr. Stacy Hutchinson

Copyright

KELSEY R. MCDONOUGH

2015

Abstract

Increasing attentiveness to climate change and the dependence of human life on natural resources has spurred awareness about the detrimental impacts of human activity on the environment. Ecosystem services, or the benefits that humans derive from ecosystems, have changed more in the past 50 years than in any other comparable period in human history (Carpenter et al., 2009). The dilemma of managing the trade-off between immediate human needs and maintaining the ability of the Earth to provide ecosystem services is considered to be one of the largest challenges of this century (Foley et al., 2005). The ecosystem service concept aims to maximize the provision of services across an entire ecosystem to achieve overall ecosystem health through land management, policy, and economic decisions. The intent of this research was to improve such decisions by increasing the understanding about the relationship between urban best management practices and freshwater provision, erosion regulation, and flood regulation ecosystem services. Fifty-six land management scenarios with varying densities of BMP application were simulated using the Stormwater Management Model (SWMM). The ecosystem services resulting from these land management scenarios were quantified using indices developed by Logsdon and Chaubey (2013). Results demonstrate that the application of bioretention cells improves both freshwater provision and erosion regulation services immediately downstream from the implementation site, and an increase in erosion regulation services was observed at the greater watershed scale. There was no change in the provision of freshwater, erosion regulation, or flood regulation services observed by the application of green roofs or rain barrels at either scale of analysis.

Table of Contents

List of Figures	vi
List of Tables	ix
Acknowledgements	x
Dedication	xii
Chapter 1 - Introduction	1
1.1 Problem Statement	1
1.2 Objectives	3
1.3 Significance of Work	3
Chapter 2 - Literature Review	6
2.1 Understanding Ecosystem Services	6
2.2 Ecosystem Management Strategies	14
2.3 Ecosystem Service Quantification and Valuation	21
Chapter 3 - Methods	27
3.1 Study Area	27
3.2 SWMM Model Development	31
3.2.1 Introduction to SWMM	31
3.2.2 Building the SWMM Model	35
3.2.2.1 Pre-Processing the Data	35
3.2.2.2 Model Construction	37
3.2.2.3 Pollutant Wash-Off Functions	42
3.2.2.4 The Nested Model	43
3.2.4 SWMM Model Calibration and Validation	44
3.3 Ecosystem Service Analysis	46
3.3.1 Identification of Ecosystem Services	46
3.3.2 Quantitative Indices	47
3.3.2.1 Fresh Water Provision	48
3.3.2.2 Erosion Regulation	50
3.3.2.3 Flood Regulation	51
3.4 Land Management Scenarios	52

3.4.1 Bioretention Cell Design Specifications	54
3.4.2 Green Roof Design Specifications	56
3.4.3 Rain Barrel Design Specifications	58
3.5 Statistical Analysis.....	60
Chapter 4 - Results.....	61
4.1 Model Calibration and Validation	61
4.2 Results and Statistical Analysis	69
4.2.1 Simulation Results	69
4.2.1.1 FWPI Provision at the Outfall Node.....	70
4.2.1.2 ERI Provision at the Outfall Node	76
4.2.1.3 FWPI Provision at Node N190 on Cowskin Creek	83
4.2.1.4 ERI Provision at Node N190 on Cowskin Creek	89
4.2.1.5 FRI Provision at Node N154-28 on Cowskin Creek	95
4.2.2 Statistical Analysis.....	96
4.2.2.1 FWPI Analysis at the Outfall Node	97
4.2.2.2 ERI Analysis at the Outfall Node	98
4.2.2.3 FWPI Analysis at Node N190.....	100
4.2.2.4 ERI Analysis at Node N190.....	105
4.2.3 Discussion	107
Chapter 5 - Broader Impacts	111
Bibliography	116
Appendix A - Reference Tables.....	123
Appendix B - Calculated Results	125
Appendix C - SAS Code.....	137
Appendix D - Model Code.....	159

List of Figures

Figure 2.1 Ecosystem services and human well-being (Millennium Ecosystem Assessment, 2005).	7
Figure 2.2 Consumption of ecosystem services and their condition (Carpenter, 2009).	10
Figure 2.3 Conversion of ecosystems for agricultural use (Millennium Ecosystem Assessment, 2005).	13
Figure 3.1 Location of the Gar-Pearce, Little Arkansas, and Middle-Arkansas Slate Watersheds in Kansas.	27
Figure 3.2 Location of the study area encompassing the City of Wichita, KS and portions of the Gar-Pearce, Little Arkansas, and Middle-Arkansas Slate Watersheds.	28
Figure 3.3 Land-use percentages for the study area.	29
Figure 3.4 Major rivers and tributaries in the study area.	30
Figure 3.5 USDA-NRCS DEM for the study area.	36
Figure 3.6 Map of study area with 189 subcatchments.	36
Figure 3.7 Reaches, nodes, and subcatchments.	37
Figure 3.8 Diagram of the base SWMM model.	41
Figure 3.9 The nested model.	44
Figure 3.10 Location of streamflow calibration/validation.	45
Figure 3.11 Location of data-collection sites.	48
Figure 4.1 Simulated and observed streamflow at node N190 for the calibration period.	63
Figure 4.2 Simulated and observed streamflow at node N190 for the validation period.	63
Figure 4.3 Simulated and observed streamflow at the outfall node for calibration period.	64
Figure 4.4 Simulated and observed streamflow at the outfall node for the validation period.	64
Figure 4.5 Simulated and observed TSS for the calibration period.	66
Figure 4.6 Simulated and observed TSS for the validation period.	67
Figure 4.7 Simulated and observed TN for the calibration period.	67
Figure 4.8 Simulated and observed TN for the validation period.	68
Figure 4.9 Simulated and observed TP for the calibration period.	68
Figure 4.10 Simulated and observed TP for the validation period.	69
Figure 4.11 Location of ecosystem service data collection.	70

Figure 4.12 Changes in FWPI at the outfall node with bioretention cell application.....	71
Figure 4.13 Changes in FWPI at the outfall node with green roof application.	72
Figure 4.14 Changes in FWPI at the outfall node with rain barrel application.	73
Figure 4.15 Changes in FWPI at the outfall node with combination green roof/rain barrel application.....	73
Figure 4.16 Changes in FWPI at the outfall node for combination bioretention cell/green roof application.....	74
Figure 4.17 Changes in FWPI at the outfall node for combination bioretention cell/green roof/rain barrel application.....	75
Figure 4.18 Changes in ERI at the outfall node with bioretention cell application.....	77
Figure 4.19 Changes in ERI at the outfall node with green roof application.	79
Figure 4.20 Changes in ERI at the outfall node with rain barrel application.	80
Figure 4.21 Changes in ERI at the outfall node with combination green roof/rain barrel application.....	80
Figure 4.22 Changes in ERI at the outfall node with combination bioretention cell/green roof application.....	81
Figure 4.23 Changes in ERI at the outfall node with combination bioretention cell/green roof/rain barrel application.....	82
Figure 4.24 Changes in FWPI at Node N190 with bioretention cell application.	84
Figure 4.25 Changes in FWPI at Node N190 with green roof application.....	85
Figure 4.26 Changes in FWPI at Node N190 with rain barrel application.....	86
Figure 4.27 Changes in FWPI at Node N190 with combination green roof/rain barrel application.	87
Figure 4.28 Changes in FWPI at Node N190 with combination bioretention cell/green roof application.....	88
Figure 4.29 Changes in FWPI at Node N190 with combination bioretention cell/green roof/rain barrel application.....	89
Figure 4.30 Changes in ERI at Node N190 with bioretention cell application.	90
Figure 4.31 Changes in ERI at Node N190 with green roof application.....	91
Figure 4.32 Changes in ERI at Node N190 with rain barrel application.....	92

Figure 4.33 Changes in ERI at Node N190 with combination green roof/rain barrel application.	93
Figure 4.34 Changes in ERI at Node N190 with combination bioretention cell/green roof application.....	94
Figure 4.35 Changes in ERI at Node N190 with combination bioretention cell/green roof/rain barrel application.....	95
Figure 4.36 Changes in FRI with varying scenarios of land management.	96
Figure 4.37 Mean values of FWPI at the outfall node.....	98
Figure 4.38 Mean values of ERI at the outfall node.....	100
Figure 4.39 Mean values of FWPI at node N190.	105
Figure 4.40 Mean values of ERI at node N190.	107

List of Tables

Table 1.1 Wichita impaired streams (Kansas Department of Health and Environment, 2014).....	4
Table 2.1 Classification of ecosystem services (Millennium Ecosystem Assessment, 2005).....	6
Table 2.2 Comparison of popular physical models.	25
Table 3.1 USGS gages within the study area.....	30
Table 3.2 NCDC rain gages within the study area.....	31
Table 3.3 PC-SWMM layers and required inputs.....	38
Table 3.4 Precipitation frequency estimates for Wichita, KS {{136 NOAA 2014}}.	53
Table 3.5 Land management scenarios with varying BMP application. The % indicates the % of impervious surface area treated within each BMP scenario.	54
Table 3.6 Bioretention design values for SWMM.	56
Table 3.7 Green roof design values for SWMM.....	58
Table 3.8 Rain barrel design values for SWMM.	59
Table 4.1 Calibrated model parameters.	61
Table 4.2 NSE values for streamflow calibration and validation.	62
Table 4.3 Pollutant wash-off characteristics for each land use.....	65
Table 4.4 NSE values for pollutant calibration and validation.	66

Acknowledgements

I would like to acknowledge my major professor, Dr. Stacy Hutchinson, for her mentorship and guidance throughout my time in graduate school. With Dr. Hutchinson's encouragement I decided to pursue an advanced engineering degree at KSU, and thanks to her it has been a challenging and rewarding experience. I would like to recognize Dr. Trisha Moore for her unwavering patience and assistance on this thesis project over the past year. I am truly grateful to her for all of the help that she has given me. I would also like to thank Dr. Aleksey Sheshukov for his assistance and support throughout this research project, as well as for participating as a member of my committee.

I would like to thank my peers in graduate school for all of their support, encouragement, and assistance throughout my time at KSU. Kari Bigham, thank you for being my grad school buddy and talking me through all of my life decisions. Jeff Scott, thank you for being a wonderful officemate and friend. To the rest of my BAE family – thank you for always being there to answer my questions, distract me from working, and making me laugh. Graduate school was a little brighter because of you! To my “inner circle” – thank you for the endless laughs and fun adventures. I'm so lucky to have found a wonderful group of friends like you.

To my adopted Kansas family – Melissa, Adam, Jodie, Yvo, Angel, and Shawn – thank you making me a part of your family and inviting me into your home. I have had so much fun spending holidays and weekends with you. It has been wonderful to have a “home away from home” over the past year!

Lastly, I would like to thank my family for all of the support that they have given me. To my dad and my sister – you two are my world and I could not have done this without the daily phone calls. Thank you for supporting me in all of the decisions I make. Thank you to the rest of

my extended family for the endless support, love, and visits while I have been out here in Kansas. I love you all so much.

Dedication

I dedicate this thesis to my mother, Kimberly, who is my inspiration and guiding light.

Thank you for being my guardian angel.

I dedicate this thesis to my father, Jeffrey, who encouraged me to chase my dreams.

Thank you for your everlasting patience, guidance, and friendship.

Chapter 1 - Introduction

1.1 Problem Statement

Increasing attentiveness to climate change and the dependence of human life on natural resources has spurred awareness about the detrimental impacts of human activity on the environment. Unprecedented growth in the world population, overexploitation of the Earth's resources, and dramatic changes in land use have generated overwhelming concern regarding the future state of the environment. Ecosystems and the services they provide have changed more in the past 50 years than in any other comparable period in human history (Carpenter et al., 2009). Croplands and pastures cover approximately 40% of the terrestrial surface in the world today (Foley et al., 2005) and according to the European Commission (2011), thirteen million hectares of tropical forests are cleared each year for agricultural use. Though the majority of these changes have been in effort to provide for the growing world population, essential environmental services, such as water and air purification, are slowly being lost. The overexploitation of land and natural resources is accountable for the loss of approximately 1.5 million hectares of arable land each year (Foley et al., 2005). This alarming decline in the state of the environment incites significant concern about the longevity of natural resources upon which the ever-growing world population is so dependent.

Current policy and scientific research is working to develop methods that encourage environmental conservation and sustainable harvesting of natural resources. The term *ecosystem services* is a fairly new concept that was defined by the Millennium Ecosystem Assessment (2005) as the benefits people obtain from ecosystems, and without these services, all life on Earth would cease to exist. Unfortunately, 60% of ecosystem services in the world today are being harvested in a manner that is unsustainable (Millennium Ecosystem Assessment, 2005).

The dilemma of managing the trade-off between immediate human needs and maintaining the ability of the Earth to provide ecosystem services is considered to be one of the largest challenges of this century (Foley et al., 2005). The ecosystem service concept is a new idea that applies this term to environmental management programs. This concept takes a holistic approach to maximize the provision of services across an entire ecosystem to achieve overall ecosystem health. “The ecosystem services concept offers a way to deal with and alleviate the ‘dilemma’ of land use change by incorporating effects on environment into land management, policy and economic decisions,” (Logsdon, 2011). By integrating environmental conservation with social and economic development, the ecosystem service concept incorporates the active role that human society plays in today’s environment (Chen et al., 2013).

The current challenge today is in understanding, quantifying, and valuing ecosystem services. Research must first identify and understand the trade-offs and synergies among ecosystem service provision before these services can be quantified and valued economically. Carpenter (2009) attributed the overall decline in ecosystem services to the fact that their true values are not even considered in decision making. The economic cost of replacing ecosystem services with technology would amount to almost twice the entire global gross national production (Costanza, 2012; Zari, 2012). Limited research in understanding the provision of ecosystem services, especially at larger scales such as the watershed level, has led to this lack of understanding. The ability to effectively quantify and value ecosystem services would enable ecosystem managers to provide cost-effective solutions in a synergistic manner (Millennium Ecosystem Assessment, 2005).

1.2 Objectives

The overall goal of this research is to understand the role that holistic watershed management plays in the provision of ecosystem services. The culmination of this research will improve the current understanding of the relationship between urban best management practices and the provision of ecosystem services. Specifically, fresh water provision, erosion regulation, and flood regulation are the three ecosystem services of interest. This research will answer the following questions:

1. What types of ecosystem services are provided by urban best management practices?
2. To what extent is targeted BMP implementation necessary to achieve desirable quantities of ecosystem service provision?
3. Can holistic watershed management across the rural-urban gradient improve provision of ecosystem services within the urban area?

1.3 Significance of Work

The City of Wichita, Kansas is required to improve the quality of water at several identified locations within city limits according to its current Municipal Separate Storm Sewer System (MS4) Permit and National Pollutant Discharge Elimination System (NPDES) stormwater permit. The permit lists six bodies of water within the City of Wichita as impaired (Table 1.1), which means that specific pollutants in the water body exceed the allowable loading limit and therefore do not meet water quality standards. A Total Maximum Daily Load (TMDL) is a pollutant loading limit that is established for those waters categorized as “impaired” under Section 303d of the Clean Water Act. Action must be taken to decrease the pollutant concentration levels in each impaired water body to limits set by the TMDL.

Table 1.1 Wichita impaired streams (Kansas Department of Health and Environment, 2014).

TMDL Regulated Pollutant	Specific Impaired Stream to Target
Bacteria	Big Slough, Cowskin Creek, Chisholm Creek, Gypsum Creek, Little Arkansas River, Arkansas River
Nutrients	Big Slough, Cowskin Creek, Chisholm Creek, Gypsum Creek, Little Arkansas River, Arkansas River
Sediment	Big Slough, Cowskin Creek, Chisholm Creek, Gypsum Creek, Little Arkansas River, Arkansas River

The MS4/NPDES permit requires the following steps to be taken in order to address the impaired water quality status: 1) implement structural and nonstructural best management practices (BMPs) to reduce the discharge of the TMDL regulated pollutants, 2) establish measurable goals to assess the effectiveness of the TMDL BMPs, and 3) establish an alternative stormwater offsite pollution reduction program when appropriate (Kansas Department of Health and Environment, 2014). To meet the aforementioned requirements, the City of Wichita is considering an innovative off-site best management practice (BMP) implementation program to maximize the environmental and economic effectiveness of their efforts to address water quality and the NPDES permit. This program will enable targeted BMP implementation to high sediment-producing areas within the Middle-Arkansas Slate and Little Arkansas watersheds.

Prior to implementing such a program, the City of Wichita would like to understand potential benefits and tradeoffs in water quality and other ecosystem services that could be realized through an offsite BMP program. The overarching goal of this research is to realize the impact of targeted BMP implementation on ecosystem service provision within urban expanses. The types of ecosystem services provided by urban BMPs will be identified, along with the role that watershed management plays in enhancing ecosystem service provision. This research aims to identify to what extent targeted BMP implementation is necessary to achieve desirable

ecosystem service provision outcomes. This research will also evaluate the applicability of holistic watershed management across the rural/urban gradient for the management of ecosystem services. The culmination of this research should provide the City of Wichita with a clear recommendation as to how to best implement urban BMPs to improve water quality in order to meet the MS4/NPDES permit requirements.

This research additionally has wide implications for sustainable environmental management across the United States and around the world. Millions of dollars are spent each year mitigating the adverse effects of pollution and improving water quality. A greater understanding of ecosystem services and their relationship to best management practices on the watershed scale will provide private and government organizations with necessary information to make informed decisions regarding sustainable land management. It is extremely important to understand how to sustainably manage ecosystems so that the growing world population can harvest necessary resources in a way that will not leave a detrimental impact. The ability to maximize ecosystem services within an urban watershed will provide communities with the tools to maintain clean water, regulate flood control, and minimize erosion.

Chapter 2 - Literature Review

2.1 Understanding Ecosystem Services

The Millennium Ecosystem Assessment (2005) defined ecosystem services as the benefits people obtain from ecosystems. These benefits include an array of services, such as the provision of food or fresh water, and without them, all life on Earth would cease to exist. The Millennium Ecosystem Assessment (2005) classified ecosystem services into four distinct categories based on the services that they provide to humans (Table 2.1). Provisioning services provide services such as food, water, timber, or fiber while regulating services include climate change regulation and temperature control. Supporting services are considered the “behind-the-scenes” services, such as nutrient cycling. Cultural services may be recreation or spiritual services but are largely defined by those humans who use them (Millennium Ecosystem Assessment, 2005).

Table 2.1 Classification of ecosystem services (Millennium Ecosystem Assessment, 2005).

Provisioning	Regulating	Supporting	Cultural
<ul style="list-style-type: none"> • Food • Freshwater • Wood • Fiber • Fuel 	<ul style="list-style-type: none"> • Climate regulation • Flood regulation • Disease regulation • Water purification 	<ul style="list-style-type: none"> • Nutrient cycling • Soil formation • Primary production 	<ul style="list-style-type: none"> • Aesthetic • Spiritual • Educational • Recreational

Costanza (2012) further described ecosystem services as “the ecological characteristics, functions, or processes that directly or indirectly contribute to human well-being.” It is, however, important to discern ecosystem services from ecosystem processes and to understand that these two terms are not synonymous. Ecosystem processes describe biophysical relationships in the

environment that continue to exist regardless of human benefit (Costanza, 2012). Since ecosystem services are essentially user-defined, it is important to ensure that all ecosystem processes essential to continuation of life on Earth are included among the list of ecosystem services (Figure 2.1). Ecosystem processes only become ecosystem services once they are used by human beneficiaries (Serna-Chavez et al., 2014).

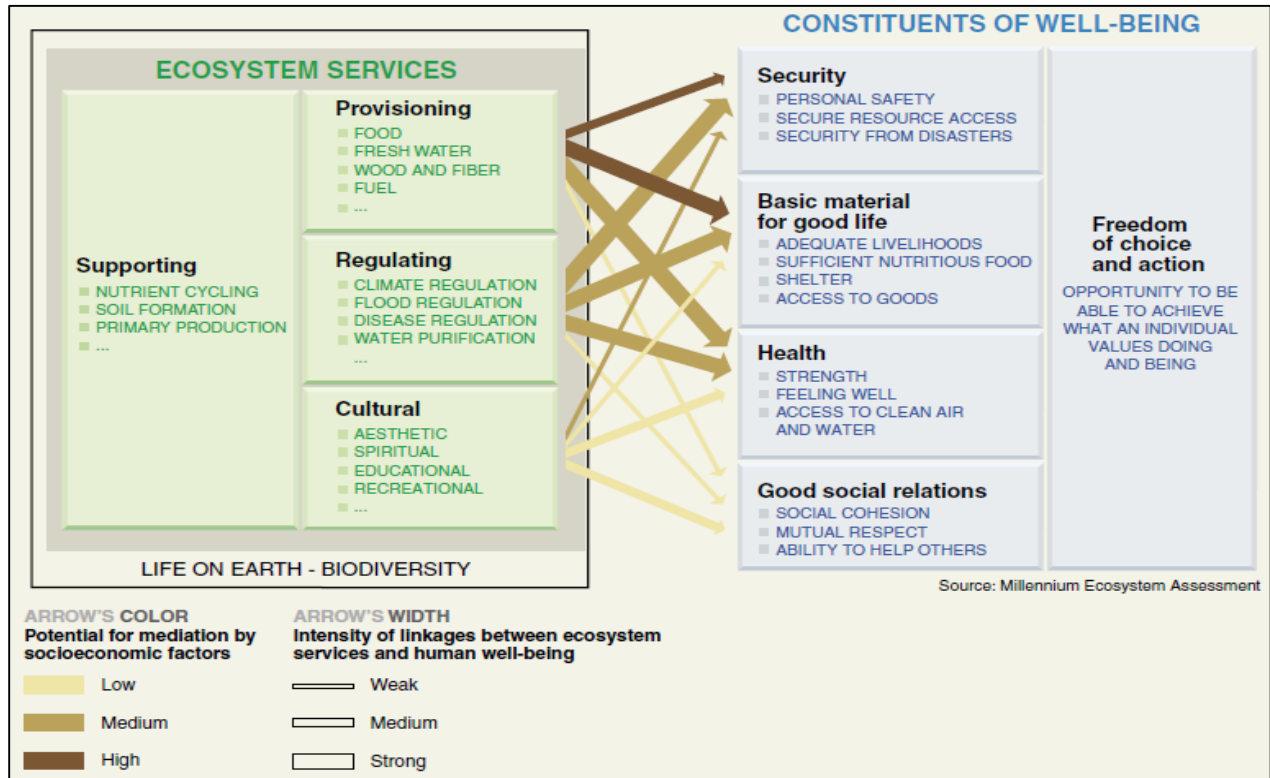


Figure 2.1 Ecosystem services and human well-being (Millennium Ecosystem Assessment, 2005).

The range of services that an ecosystem provides is often used as an indicator for ecosystem health. An ecological system is viewed as healthy if it is active and maintains its organization, autonomy, and resilience over time (Costanza, 2012). Costanza (2012) developed a method for determining ecosystem health in terms of vigor, resilience, and organization. The vigor of an ecosystem is a “measure of its activity, metabolism, or primary productivity,” while the organization of an ecosystem describes “the number and diversity of interactions between

components of a system,” (Costanza, 2012). The resilience of an ecosystem is indicated by the ability of an ecosystem to maintain its structure in the presence of stress and is based off of the length of time it takes for the system to recover as well as the magnitude of the stress event (Costanza, 2012). Ecosystem management should aim to maximize these three characteristics in order to maintain overall ecosystem health.

Unprecedented growth in the world population, overexploitation of the Earth’s resources, and dramatic changes in land use have generated overwhelming concern regarding the future state of the environment. Ecosystems and their services have changed more in the past 50 years than in any other comparable period in human history (Carpenter et al., 2009). This change has been largely in response to growing demands for food, water, timber, fiber and fuel (Millennium Ecosystem Assessment, 2005). The challenge of managing the trade-off between immediate human needs and maintaining the ability of the Earth to provide ecosystem services is considered to be one of the largest challenges of this century (Foley et al., 2005). Though the world population is predicted to level off somewhere around the middle of the 21st century, it is expected that the demand for ecosystem services will only continue to grow. Approximately one-half of global ecosystem production today is used solely to support human activities (Foley et al., 2005).

The domestication of ecosystems has led to substantial gains in overall human well-being, economic development, and technology. Humans have also experienced a significant increase in global food production during the last century. However, the Millennium Ecosystem Assessment (2005) found that 60% of ecosystem services in the world today are being harvested in a manner that is unsustainable. According to Costanza (2012), an ecosystem may be considered sustainable if it has the capacity to survive for a specific, non-infinite, period of time.

This includes maintaining ecosystem health, and the provision of ecosystem services, for the duration of that time. However the unintended consequence of the domestication of ecosystems for the purpose of human advancement has been unexpected and undesirable declines in ecosystem services (Bennett, Peterson, & Gordon, 2009). It has been observed that as human consumption of ecosystem services and goods increases, the quality and condition of the ecosystems that provide those services has declined (Figure 2.2). Overexploitation of land and ecosystem services has led to the loss of approximately 1.5 million hectares of arable land each year (Foley et al., 2005). Another unfortunate side effect of human advancement includes widespread biodiversity loss and decline in ecosystem condition, which diminishes the provision of ecosystem services (Bullock, Aronson, Newton, Pywell, & Rey-Benayas, 2011). Carpenter (2009) noted that a decline in genetic and species diversity will increase the vulnerability of ecosystem services and diminish options for sustainable land management. The European Commission (2011) considers biodiversity loss to be one of the most critical global environmental threats alongside of climate change. “Biodiversity is our life insurance, giving us food, fresh water and clean air, shelter and medicine, mitigating natural disasters, pests and diseases and contributes to regulating the climate,” (European Commission, 2011). It is clear that the continuation of ecosystem exploitation for human advancement will seriously threaten the future existence of human life on this planet.

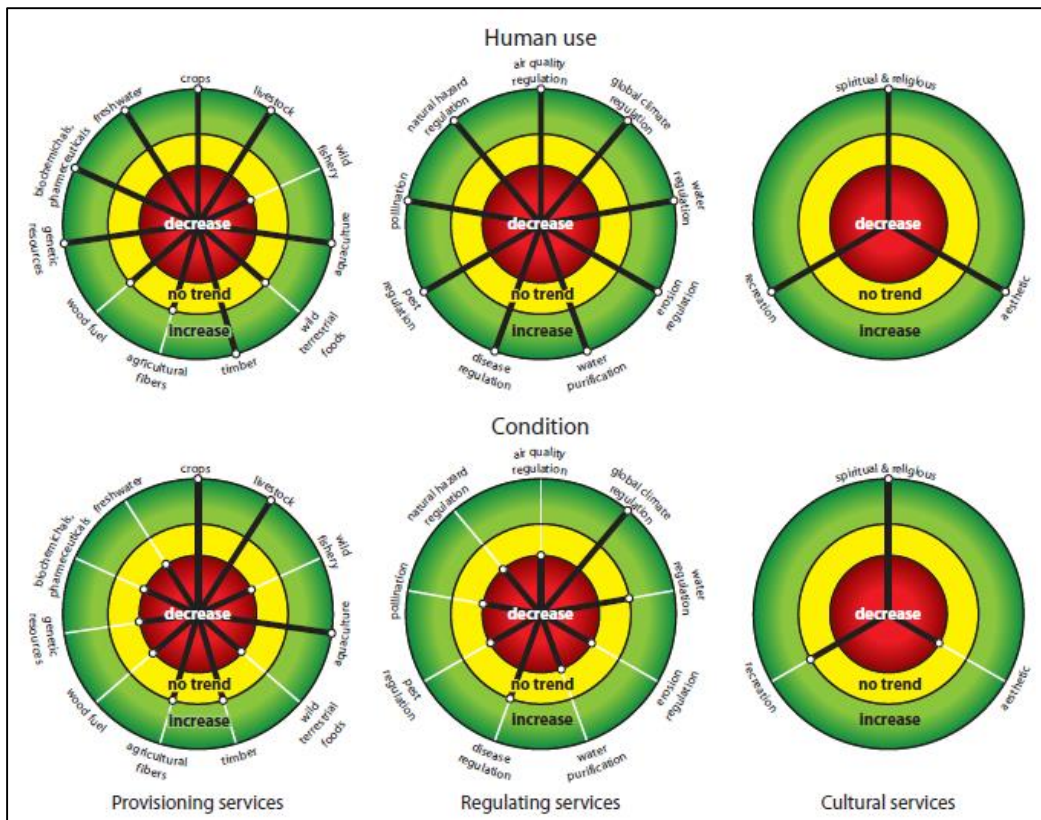


Figure 2.2 Consumption of ecosystem services and their condition (Carpenter, 2009).

Urbanization is a significant factor contributing to the decline in worldwide ecosystem service provision. An urban ecosystem is defined as one where “the built infrastructure covers a large proportion of the land surface, or those in which people live at high densities” (Gomez-Baggethum & Barton, 2013). More than 50% of the world’s population today lives in cities, and that percentage is expected to increase to more than two-thirds by the year 2050 (Gomez-Baggethum & Barton, 2013). Urbanization is associated with large populations, amplified energy consumption, and large impervious area, all of which generate increasingly negative impacts on the natural environment. “Despite covering only 2.7% of the world’s surface, cities are responsible for 75% of the global energy consumption, and 80% of greenhouse-gas emissions,” (Grêt-Regamey, Celio, Klein, & Hayek, 2013).

Urban areas containing more than 50% of impervious area can lose anywhere from 40 to 83% of rainfall to surface runoff, which acts as a transport mechanism for sediments and pollutants into surrounding water bodies (Berte & Panagopoulos, 2014; Grêt-Regamey et al., 2013). Yan and Edwards (2013) noted that urbanization is typically associated with an increase in flood discharge and a decrease in water quality, all of which leads to negative impacts on surrounding stream channels and the local water balance. Man-made changes to the natural environment do not even have to be very large in order to effect negative change on ecosystems. Several studies have found that biotic diversity will begin to decline when impervious area covers as little as 10% of the overall watershed area (Yan & Edwards, 2013). Thus any level of urbanization poses a threat to the health of surrounding ecosystems and, subsequently, to those humans that dwell inside them. Even as urban societies adopt an increasingly decoupled and independent existence from the environment, these cities continue to heavily depend on urban ecosystems to sustain long-term conditions for life, health, and security (Gomez-Baggethum & Barton, 2013). This independent existence has decreased the natural ability of urban ecosystems to defend themselves from extreme events such as heat waves, flooding, and water scarcity/droughts (Berte & Panagopoulos, 2014). Many scientists have attributed the rising number and intensity of super-storms, such as Hurricanes Sandy and Katrina, along with the destruction they have left behind, to the inability of ecosystems to defend themselves against natural disasters. Urban ecosystems must be able to maintain the vigor, resilience, and organizational qualities that constitute a healthy ecosystem in order to protect themselves against future extreme events. The sustainable provision of urban ecosystem services is essential for city dwellers to maintain their overall well-being especially as urbanization is expected to increase in coming years (Grêt-Regamey et al., 2013).

One of the most important drivers behind the loss of ecosystem services is land use change and intensity for agricultural use (Maes, Paracchini, Zulian, Dunbar, & Alkemade, 2012). “More land was converted to cropland in the 30 years after 1950 than in the 150 years between 1700 and 1850,” (Millennium Ecosystem Assessment, 2005). Croplands and pastures cover 40% of the terrestrial surface in the world today (Figure 2.3), and in the past 40 years, there has been an approximately 70% increase in irrigated cropland area and a 700% increase in global fertilizer use (Foley et al., 2005). According to the European Commission (2011), thirteen million hectares of tropical forests are cleared each year for agricultural use. However, this mass conversion of land for agricultural purposes has dramatically increased many provisioning services in order to meet the demand of the growing world population and thus the production of food, fuel, and fiber has skyrocketed in the past 50 years. Between 1960 and 2000, the Millennium Ecosystem Assessment (2005) found that “food production increased by roughly two-and-a-half times, water use doubled, wood harvests for pulp and paper production tripled, installed hydropower capacity doubled, and timber production increased by more than half.”

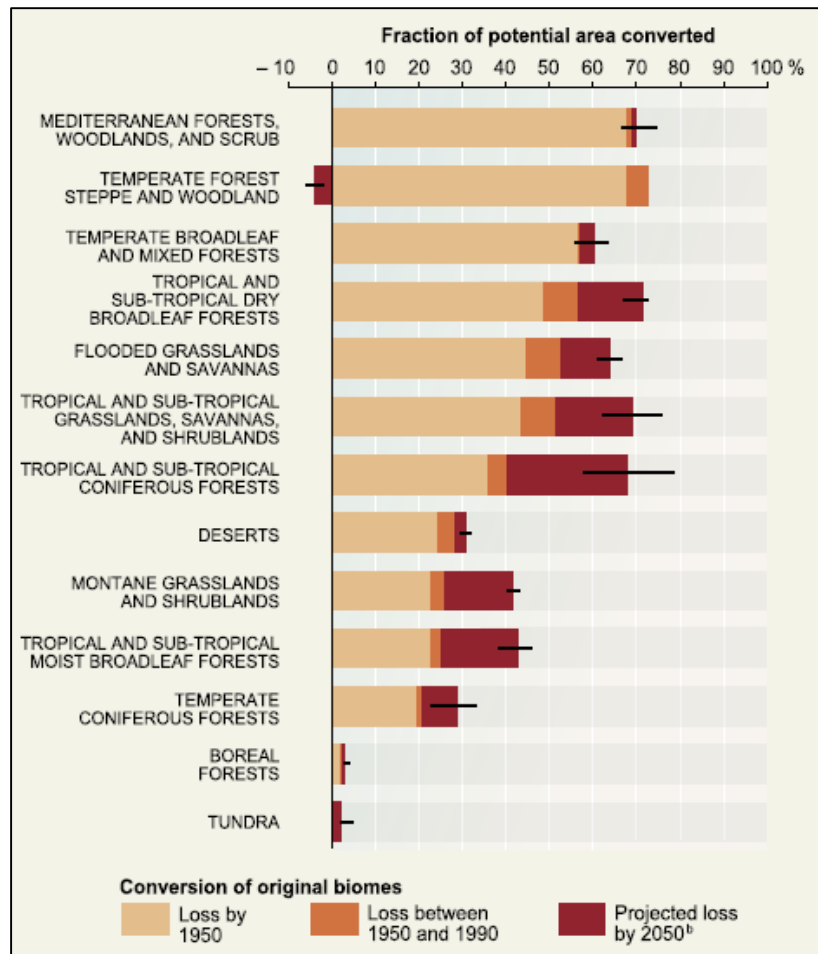


Figure 2.3 Conversion of ecosystems for agricultural use (Millennium Ecosystem Assessment, 2005).

The environmental cost for such a dramatic increase in provisioning services does not come cheaply. “Modern land use practices, while increasing the short-term supply of material goods, may undermine many ecosystem services in the long run, even on regional and global scales,” (Foley et al., 2005). Biodiversity has decreased due to the loss and fragmentation of habitats and there has been a steady degradation of soil and water quality (Foley et al., 2005). Genetic diversity within agricultural crops has decreased by 75% since 1990 (European Commission, 2011). Agriculture accounts for 85% of global consumptive water use even though the provision of fresh water has become increasingly limited in recent years (Foley et al., 2005). “Ecosystem services that agricultural production depends on are being degraded or lost to the

point where current agricultural practices may not be able to be sustained into the future,” (Logsdon, 2011).

It is evident that significant changes in land use have severely altered the balance of ecosystem services in the environment, favoring increases in provisional services and causing declines in regulating and cultural services (Logsdon, 2011). Any notable decline in regulating services should ignite special concern because it foreshadows a future decline in provisioning, supporting, and cultural ecosystem services (Carpenter et al., 2009). Regardless of the reason for land use change, the motive behind the majority of alterations to the natural environment around the world are generally the same: the acquisition of natural resources for immediate human needs, regardless of the destructive environmental impacts (Foley et al., 2005). “The consumption of ecosystem services, which is unsustainable in many cases, will continue to grow as a consequence of a likely three- to six-fold increase in global gross domestic product by 2050,” (Millennium Ecosystem Assessment, 2005). Human society would do well to recognize and use nature as a tool in order to build a resilient and sustainable society, rather than exploiting and destroying it in a way that threatens the future of our livelihood (Mitsch, 2012).

2.2 Ecosystem Management Strategies

In order to successfully maximize the provision of ecosystem services, one must first understand the mechanisms that drive their function and their spatial relationships. “The research evolution of ecosystem services should first define and classify ecosystem services, then research how to quantify these services, and lastly, determine how to value these quantities,” (Logsdon & Chaubey, 2013). Bennett (2009) developed a system to classify the relationships between ecosystem services based on two types of mechanisms causing them: (1) the effects of drivers on

multiple ecosystem services and (2) the interactions between ecosystem services themselves. This classification system will inevitably improve the ability to manage trade-offs and enhance synergies between ecosystem services (Bennett et al., 2009). The spatial relationships between ecosystem services also play a key role here, especially since there may be spatial dissimilarities between where services are produced and where they are used (Serna-Chavez et al., 2014). There is little known about when to expect trade-offs or synergies among ecosystem services, but recognizing the driving mechanisms behind these services and their spatial relationships will bring research one step closer to understanding such interactions.

Ecosystem management encompasses a wide variety of methods that all aim to maximize the synergies and limit trade-offs of ecosystem services (Bennett et al., 2009). First and foremost, ecosystem health should be the desired endpoint for ecosystem management (Costanza, 2012). The Millennium Ecosystem Assessment (2005) found that certain types of land management have the ability to change relationships among ecosystem services, which creates opportunities to enhance multiple ecosystem services simultaneously. “Good management of ecosystems may turn trade-offs that arise at regional scales into opportunities for synergies among ecosystem services at local scales,” (Maes et al., 2012). Spatial and urban planning, as part of the ecosystem management process, have a determinant role in affecting the distribution, quality, and use of ecosystem services and forms the basis of their conservation and enhancement (Berte & Panagopoulos, 2014).

It is important to note, however, that there are some downsides to ecosystem management. “An overly-narrow focus on a limited set of ecosystem services has led to regime shifts with unexpected sudden losses of other ecosystem services,” (Bennett et al., 2009). Carpenter (2009) also noted that actions aimed to increase a single ecosystem service typically

resulted in the reduction in other services. This type of management style can lead to negative long-term impacts on an ecosystem, with the potential to cause irreversible damage. The slow recovery of ecosystems can translate into long-term losses of ecosystem services and persistent problems for ecosystem management programs (Carpenter et al., 2009). “Past actions to slow or reverse the degradation of ecosystems have yielded significant benefits, but these improvements have generally not kept pace with growing pressures and demands,” (Millennium Ecosystem Assessment, 2005).

The ecosystem service concept is a fairly new idea that is gaining popularity among ecosystem management programs. Rather than attempt to increase the provision of a single ecosystem service, this concept takes a holistic approach to maximize the provision of services across the entire ecosystem and obtain overall ecosystem health. “The ecosystem services concept offers a way to deal with and alleviate the ‘dilemma’ of land use change by incorporating effects on environment into land management, policy and economic decisions,” (Logsdon, 2011). By integrating environmental conservation with social and economic development, the ecosystem service concept incorporates the active role that human society plays in today’s environment (Chen et al., 2013). “A sustainable system at the landscape and larger scales will most likely involve a range of human interactions from very intense agro and urban systems to highly protected areas. Determining the optimal structure of this mix is one of the most important ongoing research problems facing us today,” (Costanza, 2012).

The ecosystem service concept uses methods such as ecosystem restoration, low impact development, and green infrastructure to achieve desired outcomes. Ecosystem restoration is a traditional strategy used widely throughout ecosystem management programs to reestablish ecosystem health to a target area. The United States National Academy of Sciences defines

restoration as “the return of an ecosystem to a close approximation of its condition prior to disturbance,” (Mitsch, 2012). However, some scientists consider this definition outdated, arguing that one can no longer design a successful ecosystem as determined by preceding conditions. “Ecosystem management seeks to sustain multiple ecosystem services but often uses, as a reference point, historic conditions that are not achievable in a rapidly changing world,” (Chen et al., 2013). Mitsch (2012) provides a revised definition, calling restoration “the process of assisting recovery of an ecosystem that has been degraded, damaged, or destroyed.” Humans today are a significant determinant of ecosystem health and the design of restored ecosystems should reflect their involvement. However, regardless of how the term is defined or interpreted, restoration has repeatedly proven to be a successful tool to yield ecosystem health, which generates positive environmental impact. Bullock (2011) called ecological restoration a key approach for enhancing the provision of ecosystem services while reversing biodiversity losses. “Actions which target the restoration of ecosystems, and the maintenance of the services they provide, are likely to have positive effects on habitat and species conservation status,” (Maes et al., 2012).

Increasing pressure by the United States Environmental Protection Agency through amendments to the Clean Water Act have made low impact development and green infrastructure a preferred method to manage stormwater and associated environmental issues in a cost-effective and environmentally conscious manner (Dolowitz, Keeley, & Medearis, 2012). Low impact development (LID) is an alternative approach to stormwater management that mimics the natural, pre-development hydrology of a site through the enhancement of hydrologic controls such as infiltration, evaporation, and storage of runoff (Vogel et al., 2015). Green infrastructure (GI) is another management technique that incorporates the network of green space

in both rural and urban areas which work together to enhance ecosystem resilience, encourage conservation of biodiversity and benefit people through the maintenance and enrichment of ecosystem services (Berte & Panagopoulos, 2014). GI and LID are closely related concepts that are often used interchangeably, but the distinction between the two can be drawn along the scale of implementation with GI being applied to larger (watershed) scales and LID having a targeted, localized application (Vogel et al., 2015). One of the major benefits of LID is that it reduces overhead costs for maintenance and construction associated with traditional stormwater management techniques by focusing on prevention rather than mitigation and remediation (Ahiablame, Engel, & Chaubey, 2012). This is done through the implementation of best management practices (BMPs) such as bioretention cells, grassed swales, pervious pavement, stormwater wetlands, green roofs, or rain water harvesting. The targeted placement of these BMPs to mitigate contaminant sources in stormwater runoff is a useful approach to water quality management, based on environmental benefits and cost effectiveness (Tomer & Locke, 2011). BMPs protect water quality in the ecosystem which ultimately provides clean water for humans and species on which humans rely, and may minimize the costs of removing sediments and pollutants downstream (Vigerstol & Aukema, 2011). LID has proven to be an effective method to successfully improve water quality, manage stormwater runoff, and protect the environment (Ahiablame et al., 2012).

Watershed management programs often incorporate a mix of restoration, green infrastructure, and low impact development to improve ecosystem health on a larger scale. These programs establish a mutualistic partnership between science and public policy as a method of identifying and solving environmental issues that pertain to a specific location. Run by localized watershed groups, a watershed management program addresses water management issues

through education, research, technical assistance, direct amelioration of the problem (e.g. streambank restoration), and public advocacy (Prokopy, Mullendore, Brasier, & Floress, 2014). Approximately 77% of watershed management programs in existence today were formed at some point during the 1990s (Duram, Loftus, Adams, Lant, & Kraft, 2008). These programs were often established in response to an environmental stressor such as nonpoint-source pollutants or government regulation (Duram et al., 2008). Prokopy et. al (2014) called this a “catalyst event”, which is an event or series of events that interacts with existing conditions to generate change in the context of watershed management. The catalyst event may be intentional, stemming from government regulation (such as a TMDL), or unintentional, spurred from an event such as flooding or fire (Prokopy et al., 2014).

One of the most popular types of watershed management programs is the collaborative governance model. This model is also known under other names, such as adaptive ecosystem management or an agri-environmental program. The collaborative governance model is popular mainly because it has shifted the focus of environmental management from static structures to adaptive dynamic processes, which achieve more acceptable environmental outcomes (Chen et al., 2013). This model uses methods such as ecosystem restoration or green infrastructure to improve ecosystem health by reducing negative externalities such as nutrient runoff or soil erosion (Baylis, Peplow, Rausser, & Simon, 2007). The U.S. government has relied heavily on collaborative governance models in order to improve agri-environmental performance, although other methods such as cross-compliance and regulation have also been used (Claassen, Cattaneo, & Johansson, 2007). Collaborative governance models are successful not only for their positive environmental outcome, but because they involve a variety of stakeholders who have personal interests in the program. The National Research Council stated that “collaborative planning

involves diverse community interests within the watershed. There is no one leader and no outside expert telling people what is best for them. Rather, it is the collective effort to develop a vision and then make that vision become a reality,” (Duram et al., 2008).

Systems analysis is a method of assessment that assists with decision-making in a watershed management program to achieve water quality goals (McGarity, 2013). A SWOT analysis is one type of qualitative systems analysis that evaluates the strengths, weaknesses, opportunities, and threats of a specified area (Berte & Panagopoulos, 2014). This methodology helps decision-makers identify the actual state of the environment within a watershed through the collection of qualitative information. “The emerging field of watershed systems analysis is adapting these tools, primarily simulation, optimization, and multi-objective analysis to formulate models that inform and guide this process,” (McGarity, 2013). It has been found that watershed management programs that employ some form of a systems analysis are more successful in the long run because they have identified environmental processes and issues on a larger ecosystem scale. “System thinking is required when ecosystems are created or restored. It is not the time to think about linear cause and effects but rather the ecosystem as a whole,” (Mitsch, 2012).

There are several notable examples of successful watershed management programs that restored ecosystem health to an area using many of the aforementioned strategies and methods. The New York City Watershed Agreement of 1997 is an excellent example of a large scale watershed management program. The City of New York avoided the construction of a multi-billion dollar water filtration facility by working with communities upstream of the city to implement BMPs and encourage environmental conservation (Appleton, 2002; Grolleau & McCann, 2012). In this project, Appleton (2002) found that traditional command and control

regulation were not successful when the economic livelihood of individual farmers and other rural landowners was at stake. Thus, a bottom-up approach was taken where local stakeholders, rather than outside experts, decided the issues and discussed their options (Duram et al., 2008). Munich, Germany also developed a watershed management program based on the collaborative governance model that encouraged farmers to switch to organic farming as a way to improve drinking water quality (Grolleau & McCann, 2012). The Cheney Lake Watershed Project in south central Kansas combined the system analysis theory with the collaborative governance model to ameliorate taste and odor problems in their drinking water (Becerra, 2010). Each of these programs used a variety of methods to achieve success, although each found that equal representation, similar values, and a unified approach among stakeholders were especially important. Successful watershed management relies on making decisions through face-to-face negotiations among stakeholders; addressing all pollution sources in a watershed concurrently; and collecting extensive information to achieve consensus on pollution problems and to find win-win solutions (Borisova, Racevskis, & Kipp, 2012).

2.3 Ecosystem Service Quantification and Valuation

Many scientists and industry professionals have attempted to quantify and value ecosystem services in recent years, however there is a significant lack of information regarding the accuracy and application of methods for the quantification and valuation of ecosystem services. Even further, many industry professionals have developed economic valuation methods for ecosystem services without even first considering quantifying the actual services that are provided. This has led to inaccuracies in ecosystem service market value, and thus trade-offs and synergies are not usually negotiated effectively (Grêt-Regamey et al., 2013). Carpenter (2009)

attributed the overall decline in ecosystem services to the fact that their true values are not even considered in decision making. The economic cost of replacing ecosystem services with technology would amount to almost twice the entire global gross national production (Costanza, 2012; Zari, 2012). The ability to effectively quantify and value ecosystem services would enable ecosystem managers to provide cost-effective opportunities in a synergistic manner (Millennium Ecosystem Assessment, 2005).

The first step in measuring ecosystem services is to determine proven and reliable methods of quantification. “Several research teams have begun developing tools to quantify and visualize water related ecosystem services, arguing that if these services could be quantified, or at least visualized, stakeholders and leaders would be more likely to use this information as part of the decision-making process that would ultimately yield more sustainable choices,” (Vigerstol & Aukema, 2011). The majority of current quantification methods are quite simple and often only compare a single ecosystem service at one time rather than assessing the entire ecosystem and its services as a whole. This can lead to inaccurate information regarding trade-offs or synergies and limit ecosystem management.

Ecosystem services valuation should be completed following quantification to ensure accurate and true economic valuation. Gomez-Baggethum and Barton (2012) developed a classification system for urban ecosystem service valuation. Ecosystem services can either have a social/cultural value or an insurance value. A social or cultural value “reflects emotional, affective, and symbolic views attached to urban nature that in most cases cannot be adequately captured by commodity metaphors or monetary metrics,” (Gomez-Baggethum & Barton, 2013). Ecosystem services with insurance value play a major role in increasing the resilience and adaptive capacity of cities and their counterparts (Gomez-Baggethum & Barton, 2013). By

categorizing ecosystem services using this method, environmental managers will be able to determine the economic impact of the loss of a particular ecosystem service in an urban ecosystem. This information would be particularly helpful to decision-makers and policy-makers.

The most notable work on ecosystem service quantification and valuation has been completed by The Nature Conservancy and the University of Vermont. The Nature Conservancy, along with Stanford University, developed a model called the Integrated Valuation of Ecosystem Services and Tradeoffs (InVEST). InVEST is a GIS-based model that allows for ecosystem service quantification and valuation (Natural Capital Project, 2007). Unfortunately, InVEST is only capable of modeling one ecosystem service or function at one time and requires a significant amount of data input that may not be readily available (Logsdon, 2011). The University of Vermont, along with several NGO partners, developed a model called the Artificial Intelligence for Ecosystem Services (ARIES). ARIES evaluates ecosystem service flows in a system to quantify and value the services provided. ARIES even considers the location of human beneficiaries and sink locations in its model (Villa, 2014). ARIES web-based interface is easy for user-navigation, though some users have expressed difficulty with understanding the relationships used in the model (Logsdon & Chaubey, 2013; Vigerstol & Aukema, 2011). The programming behind ARIES is somewhat complex and unfamiliar to many researchers, which can making using the program quite challenging (Bagstad, Semmens, Winthrop, Jaworski, & Larson, 2012).

Most recently physical models have become a popular method of conducting ecosystem service quantification. “Physical models enable calculation of runoff volumes and nonpoint pollution loads from precipitation data and land characteristics including soil types, topography,

developed land uses, and storm sewer networks,” (McGarity, 2013). The Technical Release 55 (TR-55) Urban Hydrology for Small Watersheds is one of the more simplistic physical models as it allows for single-event rainfall-runoff simulations in small watersheds. The TR-55 was developed by the Soil Conservation Service in 1975 to calculate storm runoff volume, peak rate of discharge, and storage volumes (USDA NRCS, 2015). Due to its simplicity, the TR-55 is a popular choice for modelers who intend to simulate either rural or urban small watersheds (Table 2.2). However, there are significant limitations of TR-55 such as the inability to simulate subsurface flow or lack of continuous simulation modeling (USDA NRCS, 2015). Simulation modeling of more complex watersheds should use other physical models, such as the Soil and Water Assessment Tool or the Storm Water Management Model.

The Soil and Water Assessment Tool, or SWAT, is a physically-based hydrologic model that was developed to evaluate the impact of land management on hydrology and water quality (Logsdon, 2011). SWAT allows both event and continuous simulation of watersheds at any scale, and is especially effective for agricultural areas (Table 2.2). A number of agricultural best management practices are built-in to the SWAT model for simulation. However, this focus on rural and agricultural land management makes SWAT an unlikely choice for modelers working in urban areas. Logsdon and Chaubey (2013) developed a method of quantification based off of mathematical indices to represent ecosystem service provision in a rural watershed as determined by the outputs from a SWAT model. The mathematical indices are fairly useful in determining improvements or declines in ecosystem service provision and can be applied across a variety of physical models.

The United States Environmental Protection Agency developed the Storm Water Management Model, or SWMM, to simulate quantity and quality problems associated with

runoff from urban areas (James, Rossman, & James, 2010). It is particularly adept at modeling urban hydrology and water quality cycles, including rainfall, snow melt, surface runoff, transport through the drainage network, storage and treatment, and receiving water effects (Barco, Wong, & Stenstrom, 2008). SWMM has a unique advantage over other physical models due to its ability to simulate hydraulic dynamics of artificial drainage systems (Wu, Thompson, Kolka, Franz, & Stewart, 2013). SWMM is especially effective at simulation of best management practices in urban watersheds due to the variety of built-in BMPs provided by the software (Table 2.2). However, SWMM is limited in the number of BMPs that are allowed per subcatchment, which can be a significant drawback in land management simulation. Additionally, SWMM is not quite as adept at modeling rural and agricultural watersheds. Modelers who intend to simulate rural areas should look to other physical models, such as SWAT.

Table 2.2 Comparison of popular physical models.

	TR-55	SWAT	SWMM
Advantages	<ul style="list-style-type: none"> - Low input complexity - Single event simulation - Urban and rural application 	<ul style="list-style-type: none"> - Combined hydrologic and hydraulic model - Event & continuous simulation - Includes agricultural BMPs - Links to GIS 	<ul style="list-style-type: none"> - Combined hydrologic and hydraulic model - Event & continuous simulation - Several BMP types - Can link to GIS - Effective for urban simulations
Disadvantages	<ul style="list-style-type: none"> - Does not consider subsurface flow - Minimum t_c is 0.1 hour, maximum t_c is 10 hours - Maximum 10 subwatersheds - No built in BMPs - No link to GIS - No continuous simulation modeling 	<ul style="list-style-type: none"> - Medium/high input complexity - Limited in urban BMP choices - Limited use in urban areas 	<ul style="list-style-type: none"> - Medium/high input complexity - Limited number of BMPs allowed per subcatchment

Future efforts that integrate observational and modeling studies will offer the best opportunity to move conservation science and policy forward, in cooperation and partnership with stakeholders who recognize the critical importance of managing water quality (Tomer & Locke, 2011). Much of current policy contains ordinances and regulations that prevent the implementation of LID practices in some municipalities (Ahiablame et al., 2012). Overcoming legislative barriers and adopting policies that encourage sustainable development practices will be a huge step forward to achieve wide-spread acceptance. In terms of scientific research, continued field and experimental data collection is needed to evaluate LID practices over a variety of climate conditions (Ahiablame et al., 2012). Vogel et al. (2015) calls for future research to focus on the “optimization of widespread GI implementation in both time and scale, including treatment trains, watershed-based planning, and designing for the entire life cycle of the system.” Logsdon and Chaubey (2013) request research to investigate using models to simulate ecosystem functions not captured by SWAT to analyze ecosystem function and further develop indices for quantification. The enhancement of evaluation metrics and modeling techniques will improve overall system performance at all levels of implementation (including the watershed level).

Chapter 3 - Methods

3.1 Study Area

One of the main objectives of this research was to understand the role of holistic watershed management across the rural-urban gradient to improve the provision of ecosystem services within the urban area, and thus it was necessary to include the entire City of Wichita and the surrounding hinterlands within the study area (Figure 3.1; Figure 3.2). The majority of the study area lies within the Middle-Arkansas Slate Watershed (HUC #11030013), with small portions in the Little Arkansas Watershed (HUC #11030012) and the Gar-Pearce Watershed (HUC #11030010).

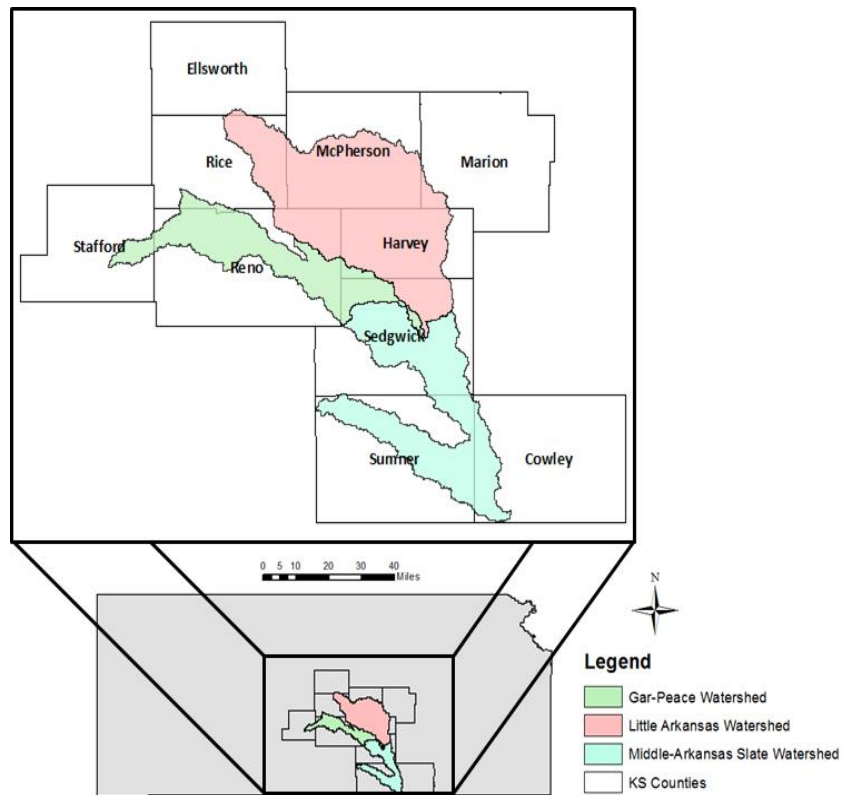


Figure 3.1 Location of the Gar-Pearce, Little Arkansas, and Middle-Arkansas Slate Watersheds in Kansas.

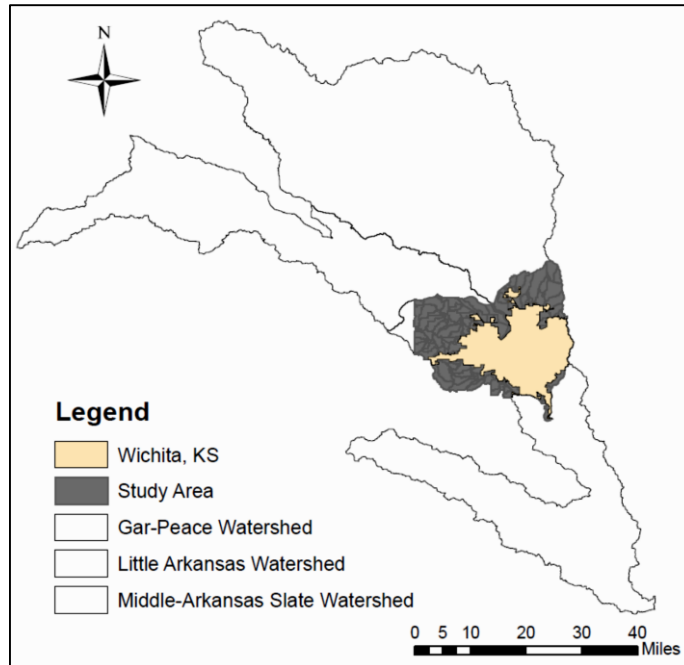


Figure 3.2 Location of the study area encompassing the City of Wichita, KS and portions of the Gar-Pearce, Little Arkansas, and Middle-Arkansas Slate Watersheds.

The total drainage region for this study area is 877 km², of which approximately 43% is used for agricultural purposes and 31% of land is in urban land uses (Figure 3.3). The Arkansas River and the Little Arkansas River flow through the study area, merging together at the center of the City. Cowskin Creek, Gypsum Creek, Chisholm Creek, Dry Creek and the Big Slough are the main tributaries to these two rivers (Figure 3.4). Out of the two rivers and five tributaries, six are listed as impaired according to the City of Wichita’s MS4/NPDES permit (Kansas Department of Health and Environment, 2014). Bacteria, nutrients, and sediment are the leading causes of impairment along various reaches of Cowskin Creek, Chisholm Creek, Gypsum Creek, Big Slough, the Little Arkansas River, and the Arkansas River (Kansas Department of Health and Environment, 2014). There are ten United States Geological Survey (USGS) gage stations operating in the watershed with continuous long-term streamflow data (Table 3.1). USGS gage #07144200 is the longest running station, with daily continuous data since 1922. USGS gage

#07144480 has supplied hourly precipitation data in addition to streamflow data since 2012. Precipitation data for the remainder of the study area was obtained from the National Oceanic and Atmospheric Administration (NOAA) National Climatic Data Center (NCDC). There are nine NCDC rain gages throughout the study area that provide continuous daily and hourly precipitation data (Table 3.2).

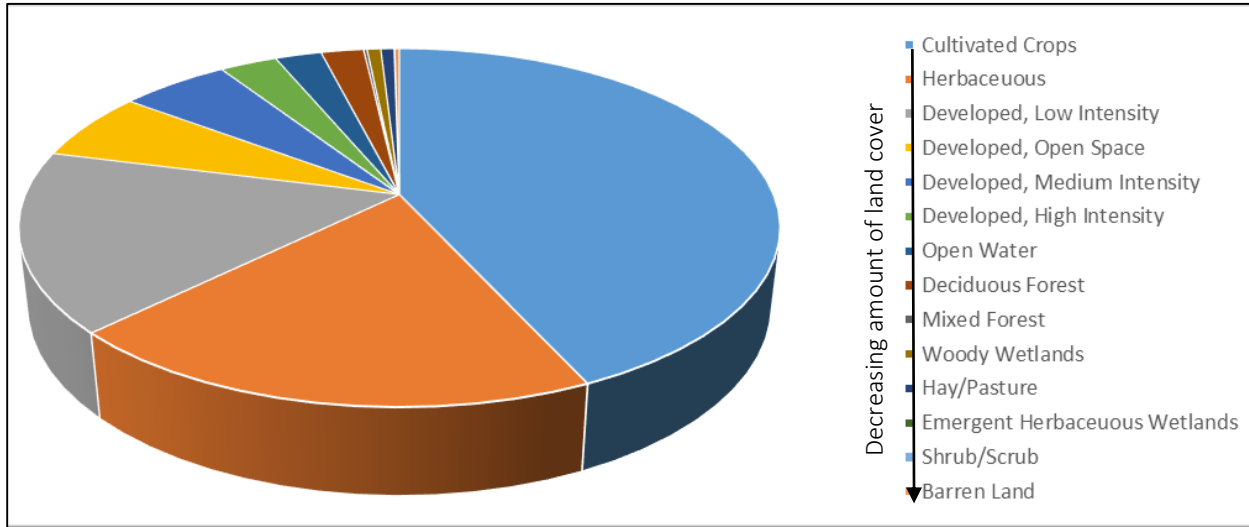


Figure 3.3 Land-use percentages for the study area.

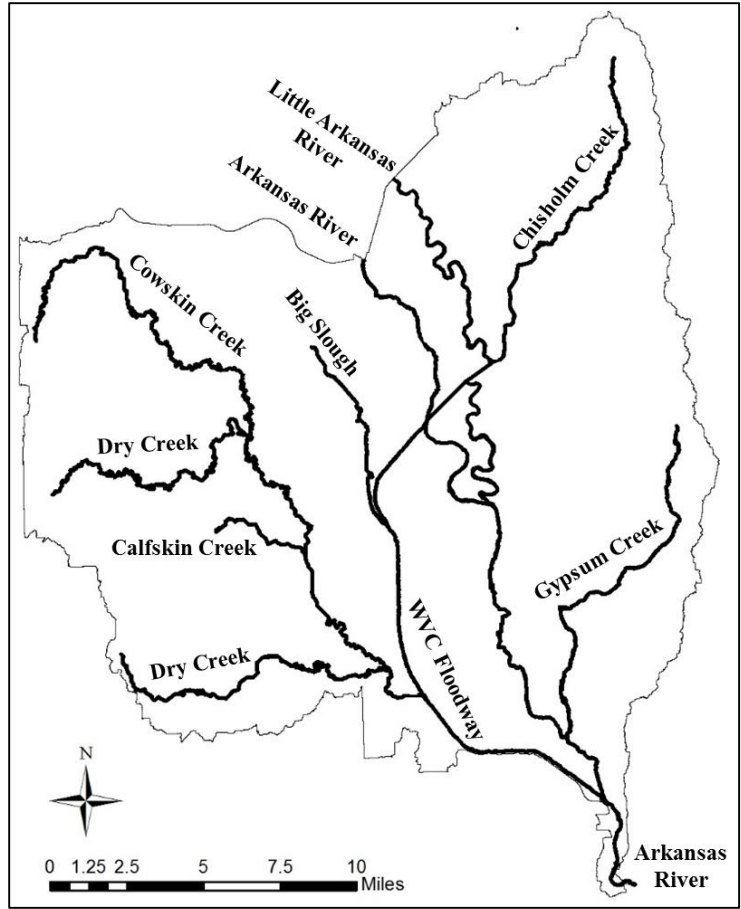


Figure 3.4 Major rivers and tributaries in the study area.

Table 3.1 USGS gages within the study area.

USGS Gage Number	Location	Latitude	Longitude	Date of Operation
07144300	Arkansas River	37°38'36"	-97°20'06"	10/1/1934-present
07144325	Gypsum Creek	37°38'49"	-97°16'49"	3/1/1983-11/30/1984
07144330	Dry Creek	37°40'20"	-97°16'45"	10/21/1965-9/6/1966
07144301	Arkansas River	37°42'58"	-97°24'07"	2/9/2015-present
07143375	Arkansas River	37°46'53"	-97°23'22"	3/1/1987-present
07144200	Little Arkansas	37°49'56"	-97°23'19"	6/10/1922-present
07144480	Cowskin Creek	37°42'06"	-97°28'50"	4/1/2001-present
07144486	Calfskin Creek	37°40'27"	-97°28'49"	10/1/2010-present
07144490	Cowskin Creek	37°39'56.5"	-97°27'27.7"	10/1/2010-present
07144550	Arkansas River	37°32'39"	-97°16'31"	10/1/1968-present

Table 3.2 NCDC rain gages within the study area.

NCDC Gage Number	Latitude	Longitude	Date of Operation
US1KSSG0002	37°41'29.76"	-97°28'46.92"	6/22/2006-present
US1KSSG0003	37°43'29.28"	-97°28'42.96"	6/22/2006-present
US1KSSG0009	37°46'30.36"	-97°22'9.48"	2/01/2007-present
US1KSSG0020	37°40'44.4"	-97°30'23.04"	2/24/2008-present
US1KSSG0026	37°47'52.8"	-97°18'50.4"	6/05/2008-present
US1KSSG0064	37°40'57"	-97°16'44.04"	7/06/2010-present
US1KSSG0069	37°47'43.08"	-97°22'33.96"	9/22/2010-present
USW00003928	37°38'51"	-97°25'48"	12/01/1953-present
USW00003974	37°44'46"	-97°13'16"	7/01/1996-present

3.2 SWMM Model Development

3.2.1 Introduction to SWMM

In order to understand the impact of holistic watershed management on the provision of ecosystem services, a physical model was needed to simulate hydrologic function. The Storm Water Management Model (SWMM) is a computer modeling program used for single event or continuous simulation of runoff quantity and quality in urban areas (James et al., 2010; L. A. Rossman, 2010). SWMM was first developed by the Environmental Protection Agency (EPA) in 1971 and has undergone several revisions since that time. The EPA released the most recent version of this modeling program, *SWMM 5*, in 2004 (James et al., 2010). This latest version of SWMM provides an integrated environment for editing input data, running hydrologic and water quality simulations, and viewing the results in several different formats (L. A. Rossman, 2010).

Computational Hydraulics International (CHI) is a private company that develops and maintains professional software systems. CHI released an expanded version of the EPA-SWMM modeling program, known as PC-SWMM. PC-SWMM extends the capability of the original software to include many tools that improve the professional and scientific use of SWMM 5

(James et al., 2010). PC-SWMM is the modeling software that was used to model hydrology in the study area encompassing the City of Wichita and its peri-urban areas.

There are two major modeling components that are used in SWMM hydrologic simulation. The runoff component of SWMM simulates subcatchment rainfall-runoff processes and determines associated runoff and pollutant loads (L. A. Rossman, 2010). The routing component of SWMM transports runoff through a series of user-defined pipes, channels, natural waterways, storages, etc. Through these two components, SWMM has the capability to determine the quality and quantity of runoff in each subcatchment as well as the flow rate, depth, and water quality in each routing component during the simulation period (L. A. Rossman, 2010). Other hydrologic processes that SWMM has the ability to simulate include time-varying rainfall, evaporation of surface water, snow accumulation and melting, rainfall interception from depression storage, infiltration of rainfall into unsaturated soil layers, percolation of infiltrated water into groundwater layers, interflow between groundwater and the drainage system, and nonlinear reservoir routing of overland flow (L. A. Rossman, 2010). Spatial variability in the aforementioned processes is achieved by dividing each subcatchment into an assortment of smaller, homogenous areas. Each smaller sub-area contains its own fraction of pervious or impervious areas. Overland flow is then routed between these smaller sub-areas, between subcatchments, or between various entry points of the drainage system (L. A. Rossman, 2010).

SWMM treats each subcatchment surface as a nonlinear reservoir to compute the runoff component of the model. Subcatchment inflows include precipitation and runoff from upstream subcatchments, while infiltration, evaporation, and surface runoff are considered outflows (L. A. Rossman, 2010). The maximum depression storage of a subcatchment represents the capacity of the reservoir, taking into account ponding, surface wetting, and interception (L. A. Rossman,

2010). Surface runoff occurs when the depth of water in the reservoir exceeds the maximum depression storage.

SWMM calculates the infiltration of surface water into the unsaturated soil zone of pervious subcatchments using either Horton's Equation, the Green-Ampt Method, or the Curve Number Method. Horton's Equation is based off of empirical observations that demonstrate an exponential decrease in infiltration from an initial maximum rate to a minimum rate over time (L. A. Rossman, 2010). The Green-Ampt Method models infiltration under the assumption that a sharp wetting front separates soil with some initial moisture content from the saturated soil above (L. A. Rossman, 2010). The Curve Number Method is based off of the NRCS (SCS) Curve Number Method for runoff estimation and assumes that the total infiltration capacity of a soil can be estimated from its tabulated curve number (L. A. Rossman, 2010). Each method requires a variety of different input parameters. SWMM gives the option for the user to select the infiltration model of their choice.

The routing component of the SWMM model is governed by conservation of mass and momentum as defined by the Saint-Venant flow equations for gradually varied, unsteady flow (L. A. Rossman, 2010). SWMM provides the user with the choice of three routing methods for model simulation; steady flow routing, kinematic wave routing, and dynamic wave routing. Steady flow routing is the simplest option available because it assumes that flow is uniform and steady within each time step in the model (L. A. Rossman, 2010). Due to its simplicity, this routing method cannot account for channel storage, backwater effects, entrance/exit losses, flow reversal or pressurized flow (L. A. Rossman, 2010). These limitations really only make steady flow routing appropriate for simulation of dendritic conveyance networks or preliminary analysis of long-term continuous simulations. Kinematic wave routing is slightly more complex than

steady flow routing. “This routing method solves the continuity equation along with a simplified form of the momentum equation in each conduit,” (L. A. Rossman, 2010). However, models using the kinematic wave routing option are also restricted for use in dendritic conveyance networks and cannot account for backwater effects, entrance/exit losses, flow reversal, or pressurized flow (L. A. Rossman, 2010). Kinematic wave routing will maintain numerical stability for simulations with moderately large time steps (on a scale of 5 to 15 minutes), and therefore is not recommended for models requiring time steps on a smaller scale (L. A. Rossman, 2010). Dynamic wave routing produces the most theoretically accurate results of the three routing methods because it solves the complete one-dimensional Saint-Venant flow equations (L. A. Rossman, 2010). Unlike the previous routing methods, dynamic wave routing has the ability to represent pressurized flow and can account for channel storage, backwater effects, entrance/exit losses, and flow reversal. Dynamic wave routing can be applied to any general network layout and SWMM will automatically adjust the user-defined time step to maintain numerical stability in the simulation (L. A. Rossman, 2010).

The SWMM modeling software has been used in both research and municipal applications around the world. Typically, SWMM is used to design drainage systems for flood control, size detention facilities for flood control and water quality, design strategies for minimizing combined sewer overflows, generate non-point source pollutant loadings, and to evaluate the effectiveness of BMPs for reducing pollutant loadings (L. A. Rossman, 2010). SWMM’s ability to accurately simulate hydrologic and hydraulic processes in both urban and rural areas makes it the preferred modeling software for this particular research project.

3.2.2 Building the SWMM Model

3.2.2.1 Pre-Processing the Data

Much of the input data for the model was first processed in ArcGIS before it was used in PC-SWMM. ArcGIS, or geographic information system, is a computer modeling software that was developed by ESRI for data analysis and interpretation (ESRI, 2015). The first step in developing the SWMM model was to delineate the study area using a digital elevation model (DEM) to determine the flow accumulation and hydrology. A 3-meter spatial resolution DEM of the study area was obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Geospatial Data Gateway (USDA NRCS, 2015). Vaze, Teng, and Spencer (2010) found that the quality of DEM-derived hydrological features are sensitive to both DEM accuracy and resolution, and that many detailed topographic properties are lost as DEM resolution becomes coarser. Thus, a 3-meter spatial resolution DEM, the highest resolution DEM available for the study area, was selected to provide topographical information for the study area (Figure 3.5). ArcSWAT, an extension of ArcGIS modeling software, was used to complete the study area delineation. ArcSWAT automates the delineation process, limiting the potential for user error and automatically calculating several necessary SWMM input parameters. The delineation process split the study area into a total of 189 subcatchments (Figure 3.6). ArcSWAT calculated the area, slope, length, and elevation for each individual subcatchment from data contained in the DEM.

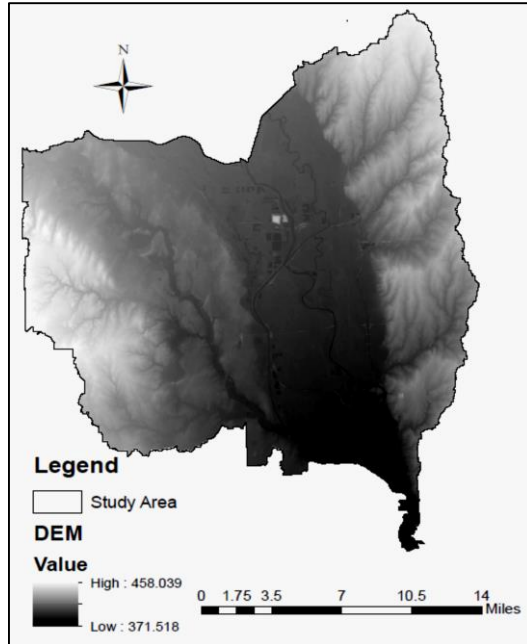


Figure 3.5 USDA-NRCS DEM for the study area.

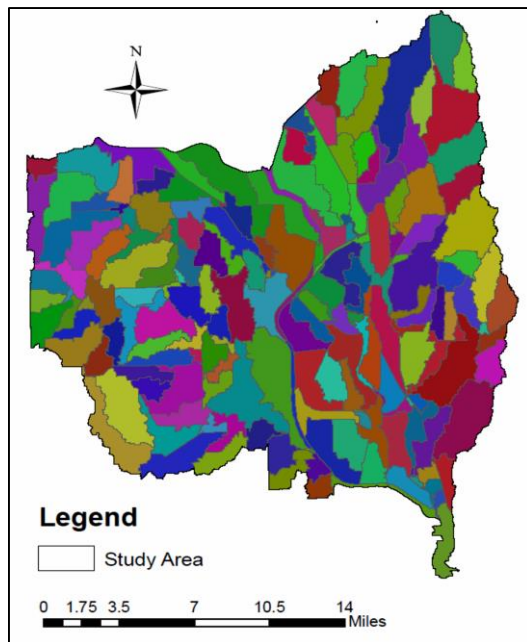


Figure 3.6 Map of study area with 189 subcatchments.

SWMM defines subcatchments as “hydrologic units of land whose topography and drainage system elements direct surface runoff to a single discharge point,” (L. A. Rossman, 2010). SWMM splits each individual subcatchment into pervious sub-areas, where infiltration

occurs, and impervious sub-areas. The impervious sub-areas are further divided into regions that contain depression storage and regions that do not (L. A. Rossman, 2010). Each subcatchment established in the delineation process was assigned a reach, which represented one of the major rivers or smaller tributaries within the study area. ArcSWAT calculated the length, slope, width, maximum elevation and minimum elevation for every reach. Each reach segment was connected to another reach either up- or downstream by a node demarking the outlet of each model subcatchment (Figure 3.7). The reaches and nodes representing the surface hydrology of the study area were used as the foundation of the development of the SWMM model.

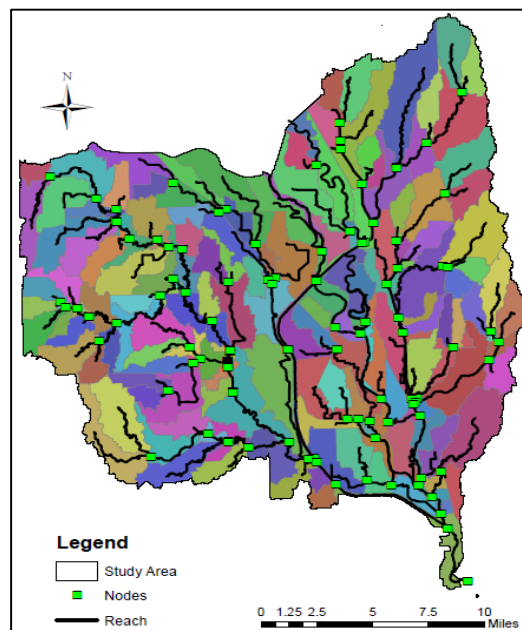


Figure 3.7 Reaches, nodes, and subcatchments.

3.2.2.2 Model Construction

PC-SWMM uses a total of seven layers for model construction (Table 3.3). Of the seven layers available, only the subcatchment, junction, outfall, storages and conduits layers were used in the construction of this particular model. A description of each of the required inputs and their units is available in the PC-SWMM online user's manual.

Table 3.3 PC-SWMM layers and required inputs.

Layer	Description	Inputs
Subcatchments	Area of land where topography and hydrology components direct surface runoff to a single discharge point	Name, Outlet, Area, Width, % Slope, % Impervious, Manning's N, Depression Storage, Routing, Infiltration
Junctions	Drainage system nodes where links join together, such as the confluence of natural surface channels.	Name, Location, Invert Elevation, Max. Depth, Initial Depth, Surcharge Depth, Poned Area
Outfalls	The terminal node of a drainage system	Name, Location, Invert Elevation, Tide Gate, Type
Storages	Storages are essentially drainage system nodes that provide a storage volume	Name, Location, Invert Elevation, Max. Depth, Initial Depth, Poned Area, Storage Curve
Conduits	Pipes or channels that move water from one node to another in the conveyance system	Name, Inlet Node, Outlet Node, Shape, Max. Depth, Length, Roughness, Inlet Offset, Outlet Offset, Initial Flow, Max. Flow, Entry/Exit Loss Coefficient

Of the seven inputs needed to parameterize the subcatchment layer (Table 3.3), the name, outlet, area, and percent slope values were automatically calculated by ArcSWAT from the DEM in the delineation step. The subcatchment width value was determined by dividing the ArcSWAT-produced overland flow length by two (L. A. Rossman, 2010). The percent impervious of each subcatchment was calculated using data from the 2011 National Land Cover Data Set (NLCD) at a spatial resolution of 30 meters, which was obtained from the USDA-NRCS GeoSpatial Data Gateway (USDA NRCS, 2015). Of the land uses present in the study area; cultivated crops, deciduous forest, woody wetlands, open water, herbaceous, hay/pasture, emergent herbaceous wetlands, mixed forest, barren land, and shrub/scrub were all considered pervious. Estimates of the impervious area within the four remaining land-use categories (Developed Open Space, Developed Low Intensity, Developed Medium Intensity, and Developed High Intensity) were estimated by applying an impervious factor as outlined in the

National Land Cover Database (2006) (Table A.1). Values for the Manning's roughness coefficient (Manning's N) for overland flow were obtained from literature (Table A.4). A weighted average Manning's N was determined for the pervious and impervious area of each subcatchment based off of the area of each land-use classification. Values of depression storage were obtained from the SWMM user's manual (L. A. Rossman, 2010) and assigned based upon the land-use category (Table A.5). A weighted average depression storage was also determined for each subcatchment based off the area and land-use classification. The subarea routing for all subcatchments was set to pervious, indicating that the model will simulate runoff flowing from impervious areas to pervious areas before leaving the subcatchment at the outlet (L. A. Rossman, 2010) with the value of percent routed determined in calibration (Appendix D). Infiltration was modeled using the Green-Ampt equation. Values for inputs to the infiltration model (suction head, effective hydrologic conductivity, and initial deficit) were assigned based upon soil survey spatial and tabular data obtained from the USDA-NRCS GeoSpatial Data Gateway (USDA NRCS, 2015). The average soil type and associated texture within each subcatchment was determined from this dataset. Soil suction head and porosity were obtained from the SWMM User's Manual (L. A. Rossman, 2010) and assigned based off of the soil texture class (Table A.6), while the effective hydrologic conductivity was given in the soil survey.

A combination of datasets was used to determine values for the seven inputs required to parameterize the junctions layer in SWMM (Table 3.3). SWMM describes junctions as drainage system nodes where conduits join together (L. A. Rossman, 2010). Junctions were used to represent two types of nodes in the model: nodes linking natural surface hydrology and man-made nodes linking engineered stormwater infrastructure. The invert elevation for nodes linking reaches was set to equal the maximum elevation of the downstream reach, and the ponded area

was set to equal the width of said reach. For these junction types, values of maximum depth, initial depth, and surcharge depth were ignored. The location of each junction (latitude and longitude) were obtained from the study area delineation in ArcGIS. The City of Wichita Public Works & Utilities Office of Stormwater Management provided a database of each man-made junction within the City that included all necessary information.

A single outfall for the entire model was used to represent the most downstream point in the study area. “Outfalls are terminal nodes of the drainage system used to define final downstream boundaries under Dynamic Wave flow routing,” (L. A. Rossman, 2010). Under any routing mechanism, the outfall behaves normally as a junction. The name, location, and elevation input parameters were obtained from ArcSWAT and GIS using the same process as the junction parameters. No tide gate was assigned and the outfall type was free.

Storage units are essentially junctions in the model that provide some quantity of physical storage volume, and represent storage entities such as a catch basin or a lake (L. A. Rossman, 2010). The storages layer of the SWMM model requires seven input parameters (Table 3.3). The name, location, and invert elevation of each storage was provided by the City of Wichita. The maximum depth of each storage was calculated as the distance between the permanent water level and top berm, the elevation of which were determined using the interpolate line tool and profile graph within ArcGIS. A storage curve was developed by using the measure tool in ArcGIS to identify the area of the detention pond with minimum water and the area of the detention pond at high water. The initial depth and ponded area were both set to zero.

SWMM describes conduits as an integral part of the conveyance system that move water from one junction to another (L. A. Rossman, 2010). Dynamic wave routing was assigned as the routing mechanism to convey water through the system. The conduits layer of the SWMM model

needs twelve input values (Table 3.3). The delineation step in ArcGIS provided values for the name, inlet node, outlet node, and length input parameters for natural hydrologic channels in the study area. The geometry of model conduits representing major rivers and their tributaries was determined using the interpolate line tool and profile graph to view the cross-section of each reach in ArcGIS. The Manning's N value for each of the natural channels in the SWMM model was set to 0.051 (L. A. Rossman, 2010). Information needed to parameterize engineered conduits in the storm sewer network were provided by the City of Wichita. The values for initial flow, maximum flow, and entry/exit loss coefficient were ignored.

The base SWMM model was constructed with only natural hydrologic channels and did not include any of the storm sewer network from the City of Wichita (Figure 3.8). Due to the extensive detail and complexity of the City of Wichita's storm sewer network, this data was included as part of the nested model.

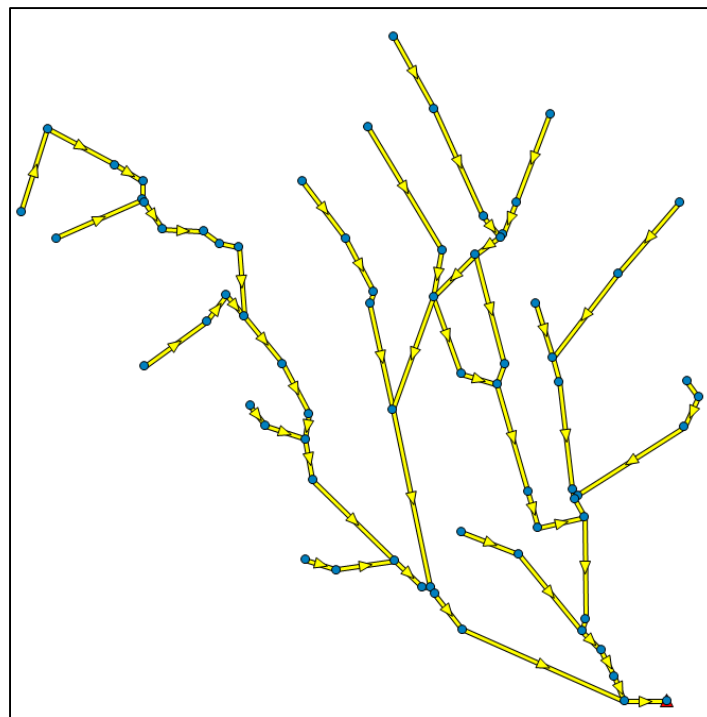


Figure 3.8 Diagram of the base SWMM model.

3.2.2.3 Pollutant Wash-Off Functions

SWMM can effectively simulate the generation, inflow, and transport of any number of user-defined pollutants and their impact on water quality (L. A. Rossman, 2010). Pollutant build-up and wash-off from a subcatchment is determined by mathematical functions assigned to user-defined land uses. These land uses are used to solely account for the spatial variation in pollutant build-up and wash-off rates within subcatchments (L. A. Rossman, 2010). Pollutant wash-off of total suspended solids (TSS), total nitrogen (TN), and total phosphorus (TP) were simulated in this model by assigning specific land use categories to each subcatchment within PC-SWMM. Mixed development, pavement, roofs, and undeveloped were the four land use categories used in this model. The mixed development category encompassed all developed pervious areas from NLCD land use data set. Based on the inspection of the relative area of rooftops to other impervious surfaces in the study area, 80% of the area identified as developed impervious from the NLCD land use data set was assigned to the pavement category while the remaining 20% was assumed to represent roofs. The undeveloped category represented any remaining land, such as grassland or forested areas from the NLCD land-use data set. Each land use category was assigned a wash-off function in the land-use editor for each pollutant of interest to determine overall pollutant loading in the model.

Pollutant wash-off from a given land use category occurs during wet weather periods, i.e. during a storm event, and is calculated using one of the following equations; exponential wash-off, rating curve wash-off, or event mean concentration. An exponential function was used to calculate TSS wash-off in the model. The initial parameters for the TSS exponential wash-off function were estimated using the Universal Soil Loss Equation, which is a mathematical model commonly used for describing soil erosion. The parameters for the TSS exponential wash-off

function were refined through the calibration and validation process. An event mean concentration function was used to compute TN and TP wash-off in the model. The initial parameters for the TN and TP exponential wash-off function were estimated used values obtained from literature, and then refined through the calibration and validation process.

After pollutant wash-off occurs, SWMM computes pollutant concentrations throughout the network conveyance system using water quality routing mechanisms. Pollutant concentrations at the end of a conduit are calculated by integrating the conservation of mass equation (L. A. Rossman, 2010).

3.2.2.4 The Nested Model

The nested model is an extension of the base SWMM model to include detailed hydrologic characteristics for specified subcatchments at a scale appropriate for simulation of BMP scenarios. The subcatchments chosen for the nested model were the same subcatchments where targeted BMP implementation would occur, and were focused within the watershed of a smaller tributary of the Arkansas River (Cowskin Creek). The sub-watershed of Cowskin Creek was selected for targeted BMP implementation due to its extensive issues with flooding and water quality impairment. The subcatchments selected included subcatchment 154, 169, 177, 180, and 184. Each aforementioned subcatchment was delineated again using the ArcSWAT extension of ArcGIS to divide the area into micro-subcatchments. The same methodology to build the larger base model was used to construct the SWMM model in these smaller micro-subcatchments. The only difference between the base model and the nested model was the addition of storage units, the City of Wichita's stormwater network, and BMPs. The addition of

these components to the model allows for more accurate simulate of the hydrologic influences present throughout the watershed (Figure 3.9).

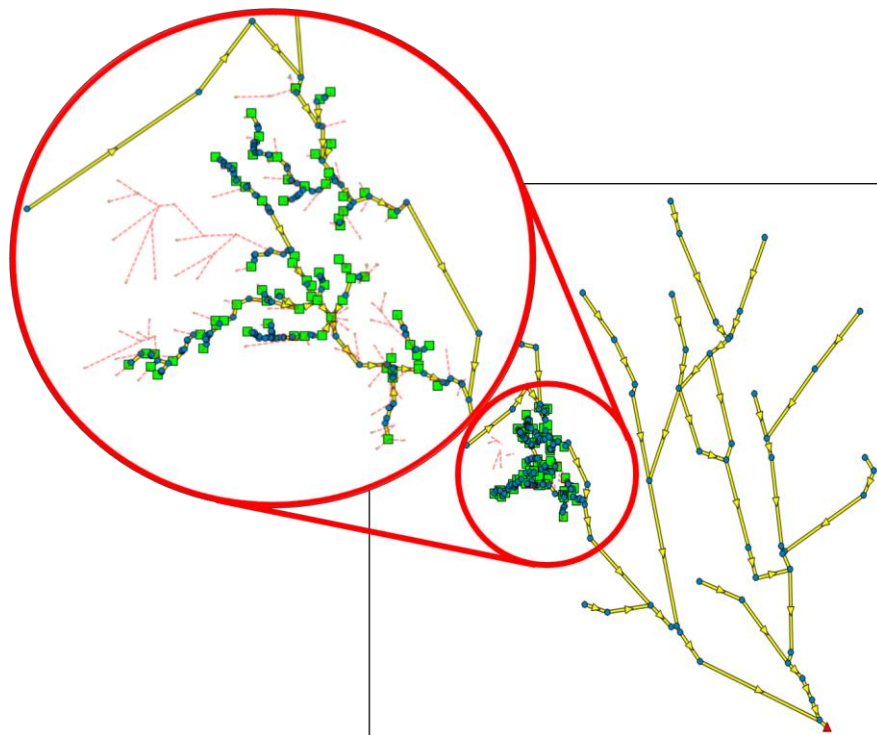


Figure 3.9 The nested model.

3.2.4 SWMM Model Calibration and Validation

The SWMM model for the study area was calibrated for streamflow, total suspended solids (TSS), total nitrogen (TN), and total phosphorus (TP). Streamflow calibration and validation for the SWMM model was conducted at node N190 on Cowskin Creek and the outfall node on the Arkansas River (Figure 3.10). Node N190 on Cowskin Creek was calibrated using data from USGS Gage Station #07144490 and the outfall node was calibrated to the USGS Gage Station #07144550 on the Arkansas River downstream of the City of Wichita. Pollutant calibration and validation for the SWMM model was conducted at the outfall node on the Arkansas River using data from EPA Station SC281 and the EPA STORET database.

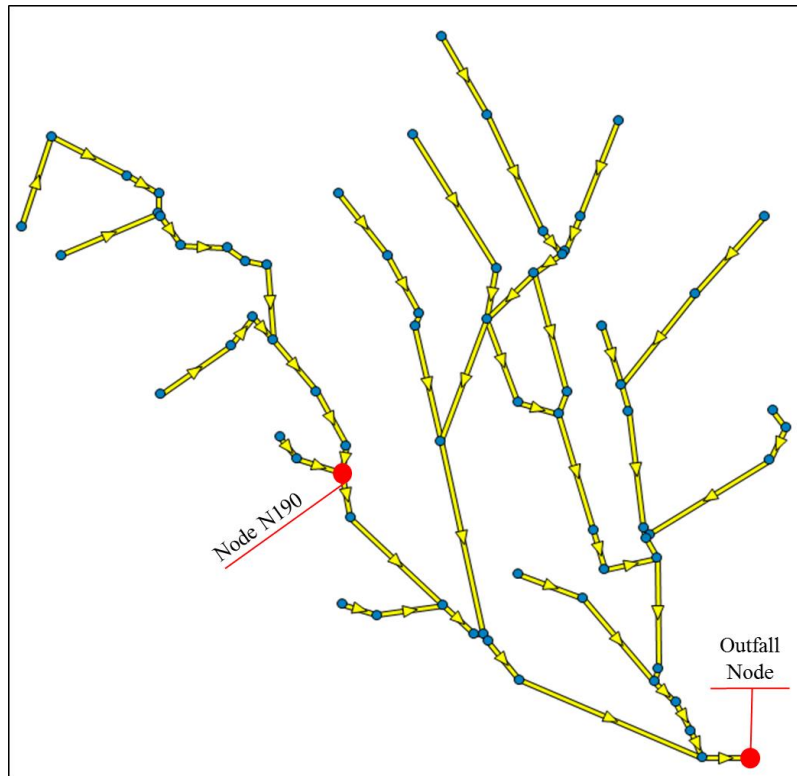


Figure 3.10 Location of streamflow calibration/validation.

The Sensitivity-based Radio Tuning Calibration (SRTC) tool in PC-SWMM was used for model calibration for streamflow. The SRTC tool allows the user to calibrate each individual model parameter to a specified level of uncertainty. The SRTC tool runs PC-SWMM two times for each parameter: once for each high and low percentage of the selected uncertainty range (CHI Support, 2014). Once run, the SRTC tool has a slider bar that allows the user to optimize the model parameters within the uncertainty range to match the simulated hydrograph with the observed (measured) hydrograph.

The SRTC tool optimizes model parameters according to the Nash-Sutcliffe Efficiency (NSE) and automatically reports the NSE value between the simulated and observed hydrographs. The Nash-Sutcliffe Efficiency (Equation 3.1) is a mathematical relationship that

determines the level of fit between a simulated and observed hydrograph (Nash & Sutcliffe, 1970).

$$NSE = 1 - \frac{\sum_{i=1}^n (Q_{o_i} - Q_{s_i})^2}{\sum_{i=1}^n (Q_{o_i} - \overline{Q_o})^2} \quad (\text{Equation 3.1})$$

Where: Q_{o_i} = observed flow rate (m^3/s)
 Q_{s_i} = simulated flow rate (m^3/s)
 $\overline{Q_o}$ = mean value of observed flow rate (m^3/s)

The Nash-Sutcliffe efficiency may range from $-\infty$ to 1, where a computed value of $NSE=1$ indicates a perfect match of simulated model results and observed data (Nash & Sutcliffe, 1970).

In terms of water quality, the simulated pollutant loads for each individual pollutant was compared to the observed pollutant loads using the NSE. The build-up and wash-off functions for each pollutant parameter must be adjusted to improve the NSE between the simulated pollutograph and the observed pollutograph.

3.3 Ecosystem Service Analysis

3.3.1 Identification of Ecosystem Services

As stated in the literature review, ecosystem services are the human-defined benefits, arising from ecological characteristics, functions or processes, that people obtain from ecosystems (Costanza, 2012; Millennium Ecosystem Assessment, 2005). The types of ecosystem services that humans benefit from range from food and fiber provision to recreational enjoyment. Three ecosystem services were chosen for analysis in this research project. Fresh water provision (FWP), erosion regulation (ER), and flood regulation (FR) were the three services chosen for analysis due to their importance to the City of Wichita and their dependence on hydrologic processes.

3.3.2 Quantitative Indices

Logsdon and Chaubey (2013) developed a set of mathematical indices to represent ecosystem service provisioning for selected provisional and regulatory ecosystem services using the outputs of a physical, process-based model. These indices will provide a basis to compare changes in ecosystem service provision amongst various holistic land management scenarios in this research.

Three quantitative indices were calculated to determine changes in fresh water provision, erosion regulation, and flood regulation. Data for these calculations was obtained from the model output at three site locations within the SWMM model (Figure 3.11). The first two locations were used to determine the quantitative indices for fresh water provision and erosion regulation. The first site was located at the outfall node of the entire model along the Arkansas River, just downstream of the City of Wichita. The second site was located at node N190, which is along Cowskin Creek just downstream from the targeted BMP implementation area. The assessment of fresh water provision and erosion regulation services at the outfall of the entire model provided insight into the impact of targeted BMP implementation on the watershed scale. The evaluation of these two ecosystem services at node N190 provided information about the immediate impact of BMP implementation on a more localized scale. The difference in fresh water provision and erosion regulation between these two locations was valuable in understanding the role that targeted BMP implementation plays throughout the watershed.

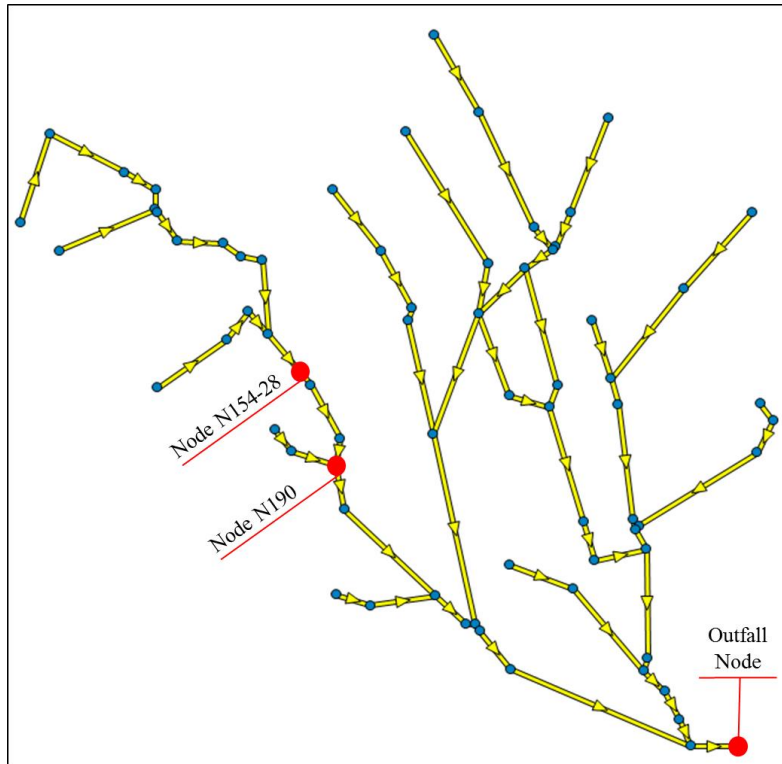


Figure 3.11 Location of data-collection sites.

The third location in the SWMM model was used to quantify and understand the impact of targeted BMP implementation on flood regulation services. This site was located at node N154-28 along Cowskin Creek. Node N154-28 represents the actual location of USGS Site #07144480 where flooding of Cowskin Creek is evaluated in real time. The node depths at node N154-28 were recorded for a random group of land management scenarios and evaluated for flooding across all of the design storm applications.

3.3.2.1 Fresh Water Provision

The fresh water provision index (Equation 3.2) was calculated as a function of water quantity and water quality (Logsdon & Chaubey, 2013).

$$FWPI_t = \left(\frac{\frac{MF_t}{MF_{EF}}}{\left(\frac{MF_t}{MF_{EF}}\right) + \left(\frac{qne_t}{n_t}\right)} \right) * \left(\frac{WQI_{avg,t}}{1 + \left(\frac{e_t}{n_t}\right)} \right) \quad (\text{Equation 3.2})$$

$$FWP_t = (Q_t) * FWPI_t \quad (\text{Equation 3.3})$$

Where: FWP = Fresh Water provision (m³ of water)

t = time step

Q_t = total flow in time step (m³)

MF = mean flow (m³/s)

MF_{EF} = environmental flow requirement, long-term (m³/s)

qne = number of times flow is less than environmental flows

WQI_{avg} = average Water Quality Index (Equation 3.3)

e = number of times WQI is less than one

n = number of units in time step (i.e., 365/366 if FWP is calculated for the year on a daily basis)

$$WQI = \frac{\exp(w_1 + w_2 + \dots + w_n)}{\exp\left[\left(w_1 \left(\frac{C_1}{C_{1std}}\right)\right) + \left(w_2 \left(\frac{C_2}{C_{2std}}\right)\right) + \dots + \left(w_n \left(\frac{C_n}{C_{nstd}}\right)\right)\right]} \quad (\text{Equation 3.4})$$

Where: WQI = water quality index

C₁, C₂, ..., C_n = concentrations of water quality constituents of concern

w₁, w₂, ..., w_n = weights for water quality constituents of concern, where Σ(w₁+w₂+...+w_n)=1

std = standard limits for water quality constituents of concern

The $\left(\frac{\frac{MF_t}{MF_{EF}}}{\left(\frac{MF_t}{MF_{EF}}\right) + \left(\frac{qne_t}{n_t}\right)}\right)$ component, or water quantity term, of Equation 3.2 was designed to equal a value of one if the environmental flow conditions are met throughout the simulation period (Logsdon & Chaubey, 2013). The environmental flow condition is a minimum flow requirement (m^3/s) set by a local governing association that is necessary to maintain environmental ecosystem health in the water body. Similarly, the $\left(\frac{WQI_{avg,t}}{1 + \left(\frac{e_t}{n_t}\right)}\right)$ component, or water quality term of Equation 3.2 was designed to equal a value of one if water quality standards are met throughout the simulation period (Logsdon & Chaubey, 2013). If both the water quantity term and water quality term are equal to one, then Equation 3.2 will also equal one. Thus the quantity of fresh water provision (Equation 3.3) will equal the total amount of water provided, Q_t , indicating excellent fresh water provisioning service (Logsdon & Chaubey, 2013). A water quantity term or water quality term of less than one will indicate that either the environmental flow requirement or water quality standard has not been met (Logsdon & Chaubey, 2013). Thus the quantity of fresh water provision found in Equation 3.3 will be less than Q_t , indicating a reduction in fresh water provision services.

3.3.2.2 Erosion Regulation

Though erosion is a natural process, changes in land use may increase erosion rates which will jeopardize the viability of aquatic habitats in a particular area. It is important to stabilize erosion rates in order to preserve existing land, prevent habitat degradation, and maintain water quality. The erosion regulation index (Equation 3.5) compares the current erosion rate to the allowable (or natural) rate of erosion (Logsdon & Chaubey, 2013).

$$ERI = \exp\left(1 - \left(\frac{E_{ann}}{E_{max}}\right)\right) \quad (\text{Equation 3.5})$$

Where: ERI = erosion regulation index

E_{ann} = annual erosion rate (T/ha)

E_{max} = allowable/natural rate of erosion (T/ha)

The erosion regulation index operates similarly to the fresh water provision index. If the annual erosion rate equal the allowable erosion rate, then the value of ERI will equal one (Logsdon & Chaubey, 2013). The allowable/natural rate of erosion was determined for the study area using the Universal Soil Loss Equation. An ERI value of greater than one is indication of good erosion regulation services ($E_{ann} < E_{max}$). An ERI value of less than one is indication of poor erosion regulation services since ($E_{ann} > E_{max}$).

3.3.2.3 Flood Regulation

Similar to erosion, flooding is a natural ecosystem process that can be important for ecosystems (Logsdon & Chaubey, 2013). However changes in land-use associated with urbanization and intense agriculture can increasing the occurrence of flooding events, which has the potential to be damaging to both ecosystems and human well-being. The flood regulation index (Equation 3.6) was determined from three factors: the duration of flood events, the number of flood events within a time period, and the magnitude or extent of the flood event (Logsdon & Chaubey, 2013).

$$FRI = \frac{1}{\exp \left[w_1 \left(\frac{DF}{DF_{LT}} \right) + w_2 \left(\frac{QF}{QF_{LT}} \right) + w_3 \left(\frac{FE}{FE_{LT}} \right) \right]} \quad (\text{Equation 3.6})$$

Where: FRI = flood regulation index

DF = duration of flood events (days)

QF = average magnitude of flooding events (m³/s)

FE = number of flood events per year

w₁, w₂, ..., w_n = weights for water quality constituents of concern, where Σ(w₁+w₂+...+w_n)=1

**The LT subscript denotes a calculation using long-term (historical) data.*

If there are no flood events within the simulation period, the flood regulation index will equal one, indicating maximum flood regulation services (Logsdon & Chaubey, 2013). However the occurrence of any flood events during the simulation period will result in an *FRI* value of less than one, indicating a decrease in flood regulation services (Logsdon & Chaubey, 2013).

3.4 Land Management Scenarios

A significant component of this research was focused on identifying and quantifying the types of ecosystem services provided by urban best management practices. Since the overarching goal of this research was to improve the potential benefits and tradeoffs in water quality in the City of Wichita through the implementation of a targeted BMP program, a variety of BMP implementation scenarios were simulated to understand the impacts on water quality. Each land management scenario was run for a 30.5-mm (1.2-inch) design storm (City of Wichita Public Works & Utilities, 2010) as well as a 5-year, 10-year, 25-year, and 100-year return frequency, SCS 24-hour Type II storm event (Table 3.4). SWMM outputs were then used to calculate the

provision of ecosystem services using the indices developed by Logsdon (2011) for each scenario.

Table 3.4 Precipitation frequency estimates for Wichita, KS {{136 NOAA 2014}}.

Average Recurrence Interval [years]	Duration [hours]	Precipitation Depth [mm(in)]
Design Storm	24	30.5 (1.2)
5	24	107.7 (4.24)
10	24	126.5 (4.98)
25	24	153.7 (6.05)
100	24	198.9 (7.83)

Fifty-six different land management scenarios (Table 3.5) with varying applications of BMP type and density were applied to the existing SWMM model to simulate water quantity and quality impacts using a baseline scenario with no BMP implementation as the control. Each BMP was designed to handle runoff from a specified percentage of impervious area. The BMPs that were simulated in this model included bioretention cells, green roofs, and rain barrels. Bioretention cells were specified in the model to capture runoff from both pavement and roof land uses, while green roofs and rain barrels were specified to only capture runoff from roof land uses. These BMPs were selected to represent the variety of hydrologic processes BMPs employ (e.g. infiltration and storage) as well as the interests of the City of Wichita.

Table 3.5 Land management scenarios with varying BMP application. The % indicates the % of impervious surface area treated within each BMP scenario.

Scenario	Bioretention Cell (%)	Green Roof (%)	Rain Barrel (%)
1	0	0	0
2-11	10-100 (10% increments)	0	0
12-21	0	2-20 (2% increments)	0
22-31	0	0	2-20 (10% increments)
32-34	0	4-12 (4% increments)	2
35-37	0	4-12 (4% increments)	4
38-40	0	4-12 (4% increments)	6
41-42	20-40 (20% increments)	4	0
43-44	20-40 (20% increments)	8	0
45-46	20-40 (20% increments)	4	2
47-48	20-40 (20% increments)	8	2
49-50	20-40 (20% increments)	4	4
51-52	20-40 (20% increments)	8	4
53-54	20-40 (20% increments)	4	6
55-56	20-40 (20% increments)	8	6

3.4.1 Bioretention Cell Design Specifications

A bioretention cell is a type of infiltration-based BMP that is used to treat stormwater runoff from impervious areas in the urban landscape. This water quality and quantity control practice uses natural chemical, biological, and physical properties of plants, microbes, and soils for removal of pollutants from stormwater runoff (Environmental Services Division, 2007).

Bioretention cells are known to capture runoff and reduce peak flow through natural hydrologic processes such as infiltration and evapotranspiration (Ahiablame et al., 2012). The reduction of runoff volume and peak flow rate using bioretention cells has been found to range from 40-97% (Ahiablame et al., 2012). This BMP is ideal for controlling urban stormwater runoff at the

source, therefore reducing large volumes of runoff that would otherwise be managed downstream (Mid-America Regional Council and American Public Works Association, 2012).

One of the major advantages of bioretention cells is that they have been found to have one of the highest nutrient and pollutant removal efficiencies of any BMP (Mid-America Regional Council and American Public Works Association, 2012). Research on bioretention performance in North Carolina found that total nitrogen removal ranged from 40-68% and total phosphorus removal ranged from 22-68% (Hunt & Lord, 2006). The removal of total suspended solids has been reported as high as 97% (Environmental Services Division, 2007). Additionally bioretention cells have been found to reduce metal concentrations from 30-90%, positively affect bacteria retention, and increase microbial removal (Ahiablame et al., 2012).

Bioretention cells were chosen for this study to represent the function of infiltration-based BMPs in an urban area. Each bioretention cell was designed to treat stormwater runoff and associated pollutants from 4047-m² (1-acre) of impervious area (Table 3.6). It is assumed that each bioretention cell operates with an 85% TSS removal rate, 40% TP removal rate, and 50% nitrogen removal rate for a 30.5-mm (1.2-inch) design storm (Ahiablame et al., 2012; City of Wichita Public Works & Utilities, 2010). The number of bioretention cells in each design scenario was increased or decreased accordingly to treat runoff from the designated percentage of impervious area. For example, two bioretention cells with the following design specifications would be used to treat runoff from an impervious area of 8094-m² (2-acres).

Table 3.6 Bioretention design values for SWMM.

Parameter	Value	Source
<i>LID Usage</i>		
Unit Area (m ²)	334	
Surface width per unit (m)	12.8	(Mid-America Regional Council and American
% initially saturated	0	
Impervious area treated (m ²)	4040	
<i>Surface</i>		
Berm height (mm)	304.8	(Mid-America Regional Council and American
Vegetation volume (frac.)	0.025	(Merriman, Wilson, Winston, & Hunt, 2013)
Surface roughness	0	(L. A. Rossman, 2010)
Surface slope (%)	0	(L. A. Rossman, 2010)
<i>Soil</i>		
Thickness (mm)	762	(Mid-America Regional Council and American
Porosity (vol. fraction)	0.475	
Field capacity (vol. fraction)	0.37	
Wilting point (vol. fraction)	0.2	
Conductivity (m/s)	4.4x10 ⁻⁶	
Conductivity slope	12.8	(L. Rossman, 2011)
Suction head (mm)	320	
<i>Storage</i>		
Thickness (mm)	304.8	
Void ratio (voids/solids)	0.75	
Seepage rate (m/s)	1.4x10 ⁻⁴	
Clogging factor	0	
<i>Underdrain</i>		
Drain coefficient (m/s)	0	
Drain exponent	0	
Drain offset height (mm)	0	

3.4.2 Green Roof Design Specifications

A green roof is a type of urban BMP that is installed on a pre-existing building rooftop, using vegetation and high quality waterproof membranes to compensate for the vegetation that was removed when the building was constructed (Ahiablame et al., 2012). This type of BMP is especially suitable for urban areas where there is limited green space to implement traditional stormwater controls (Berghahe et al., 2009). Green roofs have been found to serve a multitude of purposes, including controlling runoff volume, providing building insulation, creating wildlife

habitat, and helping to combat the urban heat island effect (Mid-America Regional Council and American Public Works Association, 2012).

Green roofs are an effective means to reduce runoff quantity. Research has shown that rainfall retention by green roofs may vary from 20-100%, though this percentage functions as a result of rainfall quantity (Mid-America Regional Council and American Public Works Association, 2012). Green roofs tend to be more effective at retaining precipitation during summer months, capturing nearly 95% of rainfall, compared to winter months where retention may be less than 20% (Berghahe et al., 2009; Mid-America Regional Council and American Public Works Association, 2012). Water quality impacts of a green roof are directly related to the design, management, and vegetation, and research has reported conflicting and inconclusive results (Ahiablame et al., 2012; Berghahe et al., 2009). It is recommended that green roofs are used in conjunction with other stormwater BMPs, such as bioretention cells, for the purpose of stormwater runoff water quality treatment (Berghahe et al., 2009).

Green roofs were chosen for simulation in this study due to the large urban land-use component. Each green roof was designed to treat stormwater runoff from 202-m² (0.05-acre) of impervious roof area (Table 3.7). This green roof should theoretically retain 100% of rainfall from a 30.5-mm (1.2-inch) design storm. Due to conflicting reports for green roof pollutant removal, this research assumed a 0% removal rate for TSS, TP, and TN. The number of green roof units in each design scenario will be increased or decreased accordingly to treat runoff for a designated percentage of roof impervious area.

Table 3.7 Green roof design values for SWMM.

Parameter	Value	Source
<i>LID Usage</i>		
Unit Area (m ²)	60.7	
Surface width per unit (m)	6.096	
% initially saturated	0	
Impervious area treated (m ²)	202.3	
<i>Surface</i>		
Berm height (mm)	152.4	
Vegetation volume (frac.)	0.8	(Rusenieks & Kamenders, 2013)
Surface roughness	0	
Surface slope (%)	0	
<i>Soil</i>		
Thickness (mm)	101.6	(Berghahe et al., 2009)
Porosity (vol. fraction)	0.6	(Rooflite Soil,)
Field capacity (vol. fraction)	0.55	(Rooflite Soil,)
Wilting point (vol. fraction)	0.1	(Rooflite Soil,)
Conductivity (m/s)	1.4x10 ⁻⁷	(Rusenieks & Kamenders, 2013)
Conductivity slope	10	(Rusenieks & Kamenders, 2013)(L. Rossman,
Suction head (mm)	3.5	(Rusenieks & Kamenders, 2013)
<i>Drainage Mat</i>		
Thickness (mm)	15.24	(Colbond Inc., 2006)
Void fraction	0.95	(Colbond Inc., 2006)
Roughness (Manning's N)	0.022	(Colbond Inc., 2006)

3.4.3 Rain Barrel Design Specifications

Rain barrels are a type of BMP that collect stormwater runoff from impervious roof surfaces. Rain barrels operate by retaining a predetermined volume of rooftop runoff that may be stored for later reuse in a variety of applications, such as in lawn and garden irrigations (Programs and Planning Division, 1999). Rain barrels have a variety of benefits, including the reduction of stormwater runoff volume and storing water for reuse applications (especially in drought) (Sands & Chapman, 2003). Though rain barrels do not provide substantial water quality treatment, they are a low-cost, effective, and easily maintainable method for water quantity management (Programs and Planning Division, 1999). Rain barrels can be extremely effective when used in conjunction with other BMP methods, such as green roofs or bioretention cells.

Rain barrels were chosen for simulation in this study due to the significant portion of urban land-use. Each rain barrel was assumed to have a capacity of 19.3-m³ (5100-gal), which is sufficient to capture 100% of stormwater runoff from 634-m² (6825-ft²) of impervious roof area in a 30.5-mm (1.2-inch) design storm (Table 3.8). A rain barrel of this magnitude is typically referred to as a cistern, since rain barrels in practice typically hold smaller volumes of water. Pollutant removal rates were 0% for TSS, TP, and TN. It was assumed that all runoff collected in the rain barrels would be applied to pervious areas in the watershed at a later date. The number of rain barrels in each design scenario was increased or decreased accordingly to treat the designated percentage of roof impervious area.

Table 3.8 Rain barrel design values for SWMM.

Parameter	Value	Source
<i>LID Usage</i>		
Unit Area (m ²)	62.6	
Surface width per unit (m)	2.18	(Rain Harvest Systems, 2015)
% initially saturated	0	
Impervious area treated (m ²)	634	
<i>Surface</i>		
Barrel height (m)	2.7	(Rain Harvest Systems, 2015)
<i>Underdrain</i>		
Drain coefficient (m/s)	0	
Drain exponent	0	(Rooflite Soil,)
Drain offset height (mm)	0	
Drain delay (sec)	0	

3.5 Statistical Analysis

SWMM operates as a deterministic model, meaning that the model will always produce the same output from a given starting condition. This essentially indicates that the final output data would always be the same whether the SWMM model were to be run five times or fifty times under the same treatment scenario. As a result, there is no variability within the model. In order to statistically analyze the results obtained under this experiment, a randomized complete block design was used. This standard statistical method divides experimental units into homogenous groups, or blocks, with treatments applied to each block. The design storms used in the model simulation (1.2-inch, 5-year, 10-year, 25-year, and 100-year) were grouped together as a block and each of the individual land management scenarios were the treatments applied to each block. This design method allows for some variability among results within the block so that the data from the SWMM model could be analyzed statistically.

Statistical Analysis System, or SAS, is a software program developed by the SAS Institute for analytics and data management. The SAS University Edition was used to develop the randomized complete block design using a generalized linear model (Appendix C). Fresh water provision index data (FWPI) and erosion regulation index (ERI) data from two locations in the model were obtained for statistical analysis. The first location was at the outfall node of the entire model along the Arkansas River downstream of the City of Wichita, and the second location was at node N190, which is along Cowskin Creek just downstream from the targeted BMP implementation site. The research question that this statistical analysis aimed to answer was: Is there a significant difference in mean values of FWPI and ERI between treatments at the two monitoring locations? Unfortunately, the mathematical structure of the flood regulation index limited the data from being analyzed statistically.

Chapter 4 - Results

4.1 Model Calibration and Validation

Streamflow calibration and validation for the SWMM model was conducted at node N190 on Cowskin Creek and the outfall node on the Arkansas River. Node N190 on Cowskin Creek was calibrated using data from USGS Gage Station #07144490 and the outfall node was calibrated to the USGS Gage Station #07144550 on the Arkansas River downstream of the City of Wichita. A total of 21 parameters were calibrated for streamflow using SWMM’s Sensitivity Radio Tuned Calibration (SRTC) tool and the Nash-Sutcliffe Efficiency (NSE) (Table 4.1). Each parameter was given an uncertainty of 100% in the SRTC tool, which optimized parameter values by simultaneously varying each within the assigned uncertainty range to maximize NSE. The final calibrated value for each parameter determined using the SRTC tool was applied to the SWMM model is available in Appendix D.

Table 4.1 Calibrated model parameters.

SWMM Layer	Parameter	Description
Subcatchments	Area (ac)	Subcatchment area in acres
Subcatchments	Width (ft)	Width of the overland flow path for sheet flow runoff
Subcatchments	Slope (%)	Average percent slope of the subcatchment
Subcatchments	Imperv (%)	Percent of land area which is impervious
Subcatchments	N Imperv	Manning’s N for overland flow for impervious area
Subcatchments	N Perv	Manning’s N for overland flow for pervious area
Subcatchments	Dstore Imperv (in)	Depth of depression storage for impervious area
Subcatchments	Dstore Perv (in)	Depth of depression storage for pervious area
Subcatchments	Zero Imperv (%)	Percent of impervious area with no depression storage
Subcatchments	Percent Routed (%)	Percent of runoff routed between subareas
Subcatchments	Suction head (in)	Value of soil capillary suction along the wetting front
Subcatchments	Conductivity (in/hr)	Soil saturated hydraulic conductivity
Subcatchments	Initial Deficit (frac.)	Diff. between soil porosity & initial moisture content
Junctions	Invert Elev. (ft)	Invert elevation of the junction

Junctions	Ponded Area (ft ²)	Area occupied by ponded water atop the junction
Conduits	Length (ft)	Conduit length
Conduits	Roughness	Manning's roughness coefficient
Conduits	Geom1 (ft)	First geometrical dimension of the conduit's shape
Conduits	Geom2 (ft)	Second geometrical dimension of the conduit's shape
Storages	Invert El. (ft)	Elevation of the bottom of the storage unit
Storages	Depth (ft)	Depth of the storage unit (from the invert to rim)

The NSE values obtained through calibration and validation on a daily time scale are summarized in Table 4.2, while the measured and modeled hydrographs are presented in Figure 4.1, Figure 4.2, Figure 4.3, and Figure 4.4. Daily NSE values of 0.5 or greater are acceptable for model simulation (Logsdon, 2011) and therefore the following calibration and validation values were satisfactory for streamflow prediction.

Table 4.2 NSE values for streamflow calibration and validation.

Location	Calibration NSE	Validation NSE
N190	0.586	0.63
Outfall	0.643	0.61

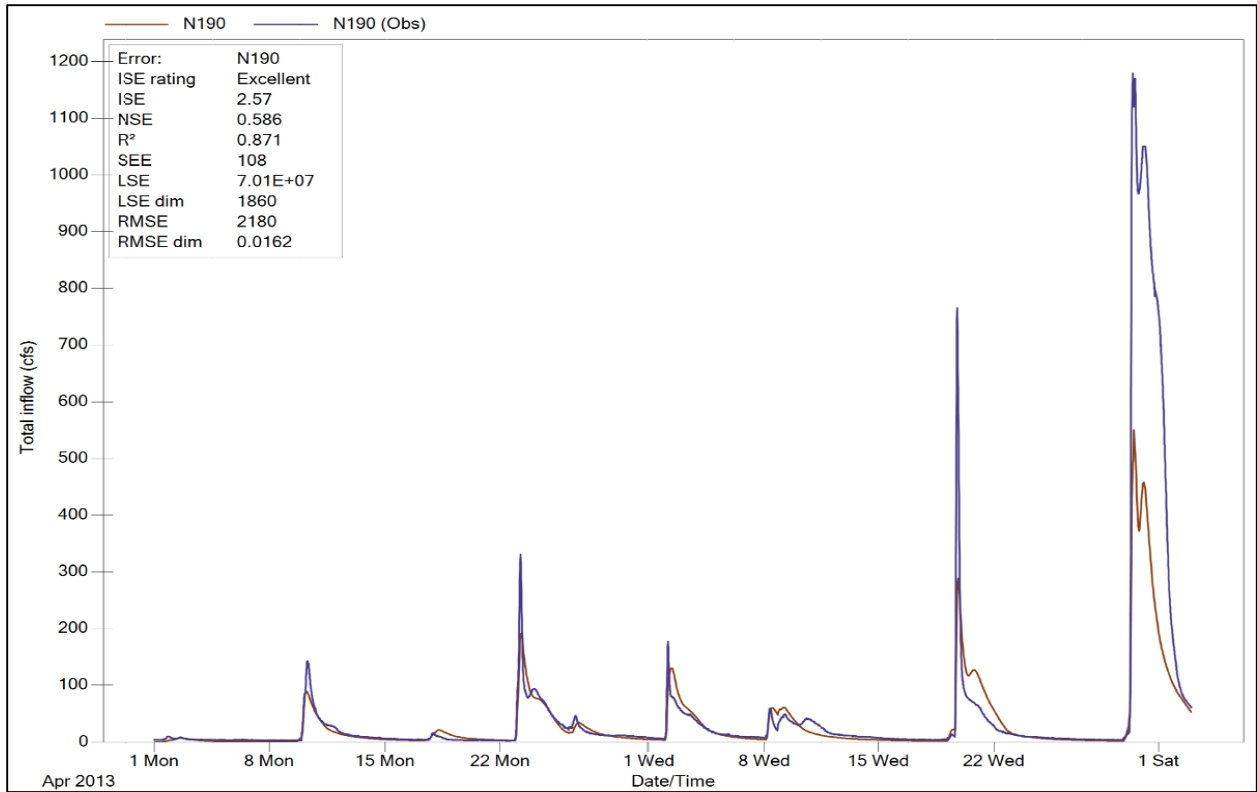


Figure 4.1 Simulated and observed streamflow at node N190 for the calibration period.

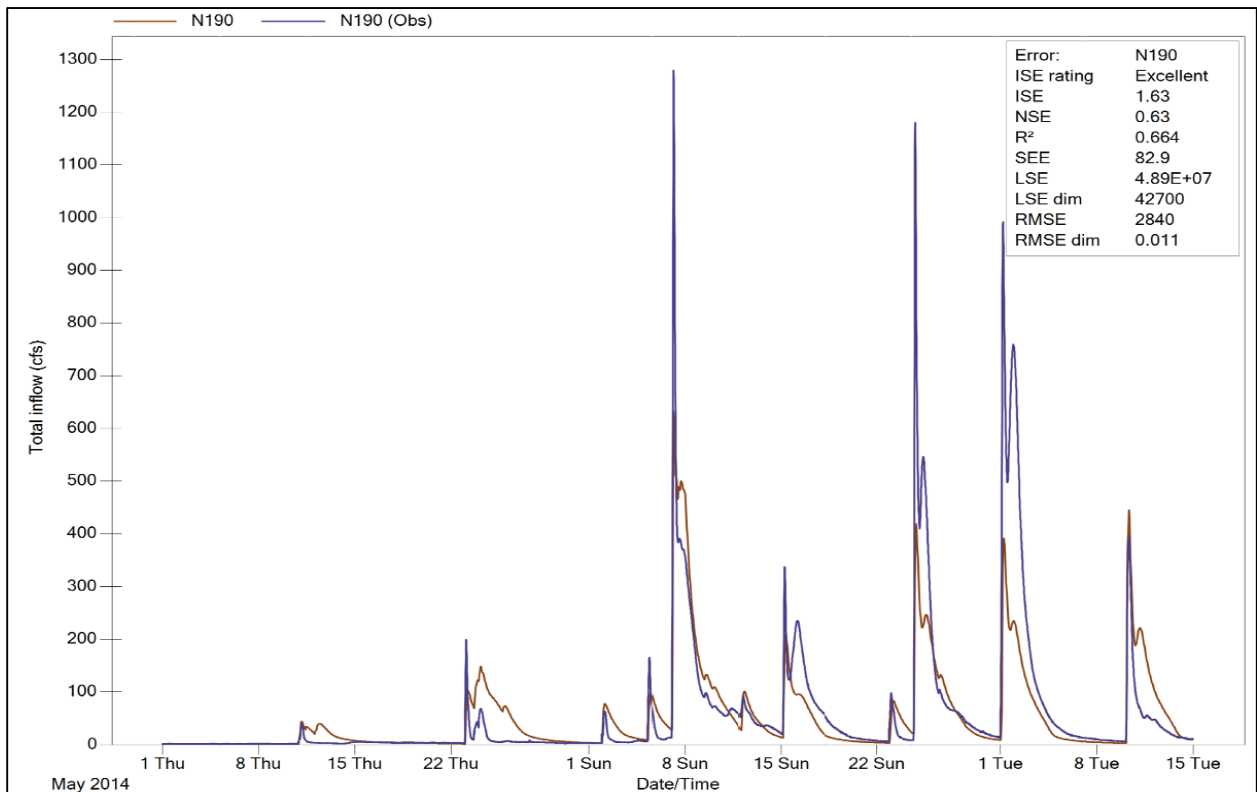


Figure 4.2 Simulated and observed streamflow at node N190 for the validation period.

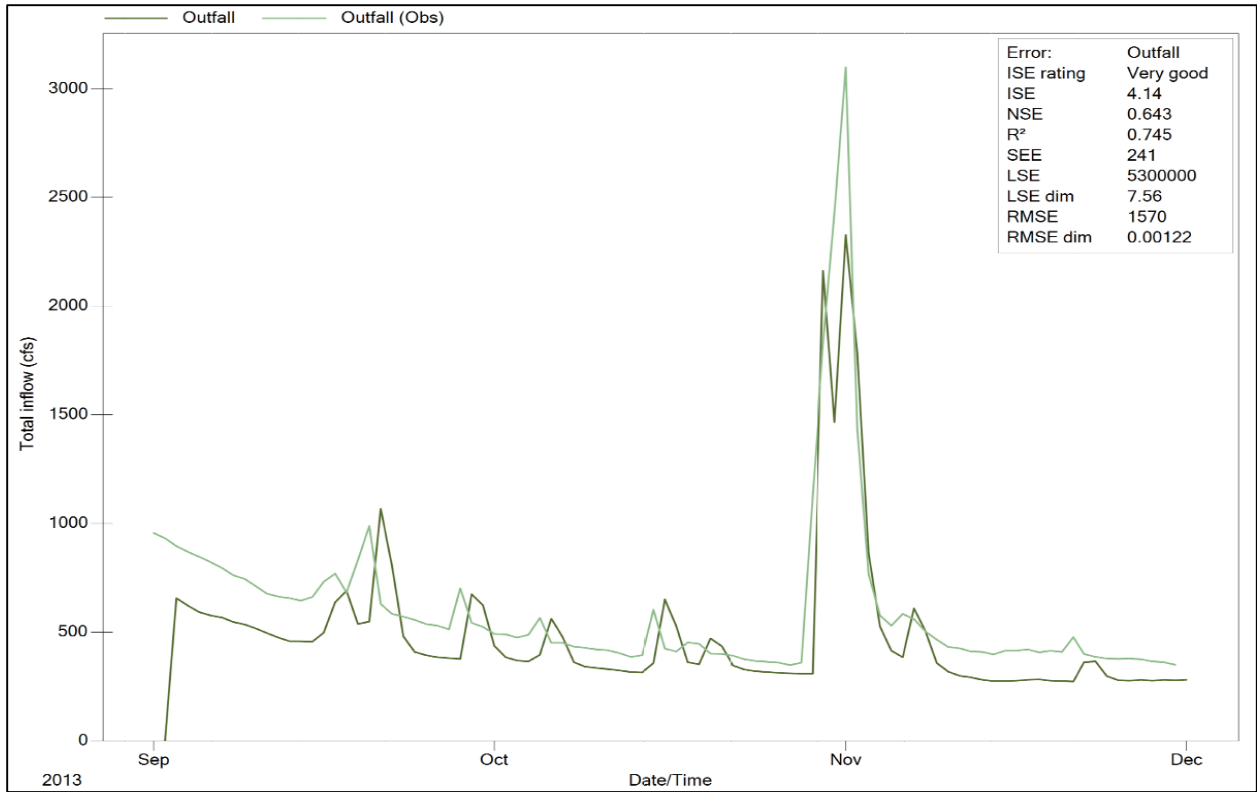


Figure 4.3 Simulated and observed streamflow at the outfall node for calibration period.

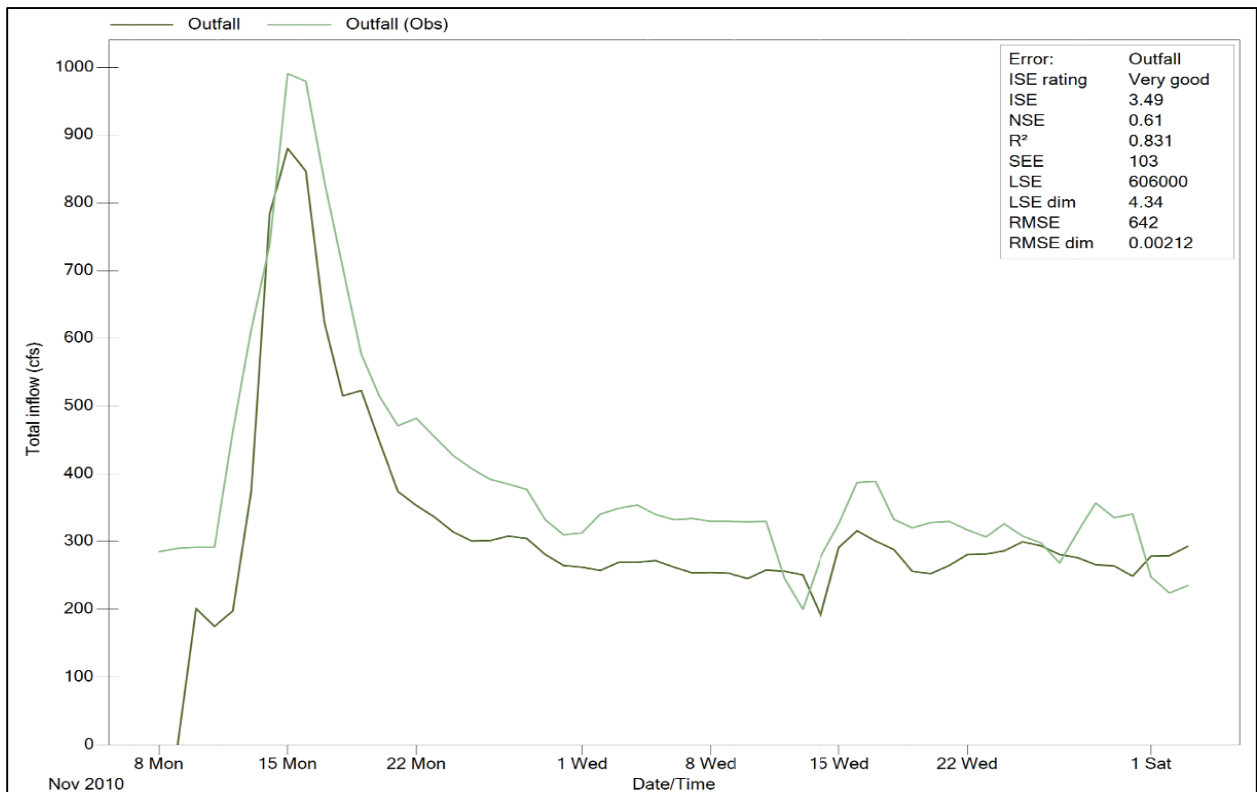


Figure 4.4 Simulated and observed streamflow at the outfall node for the validation period.

SWMM model predictions of total nitrogen (TN), total phosphorus (TP) and total suspended sediment (TSS) were also calibrated and validated at the Arkansas River outfall node downstream from the City of Wichita. TSS, nitrate, total kjeldahl nitrogen, and TP data were obtained for calibration from the EPA STORET database at Arkansas River at Derby Station (Station ID: SC281), which is approximately 5.2-km upstream from the model outfall node. Nitrate and total kjeldahl nitrogen were summed to obtain estimates for TN at the site.

An individual pollutant wash-off function was assigned to the four land-use categories within the land-use editor for each pollutant of interest. Event mean concentration, or EMC (mg/L), and exponential, or EXP, were the two wash-off function types used to simulate pollutant loading (Table 4.3). Each wash-off function was calibrated by comparing the simulated pollutant loads against measured pollutant loads using the Nash-Sutcliffe Efficiency. Final wash-off functions were determined for TN, TP, and TSS for each land-use category once an acceptable NSE value was obtained (Table 4.3).

Table 4.3 Pollutant wash-off characteristics for each land use.

Land-Use Category	Pollutant	Wash-Off Function	Coefficient	Exponent
Mixed Development	TN	EMC (mg/L)	5	-
Pavement	TN	EMC (mg/L)	5.2	-
Roofs	TN	EMC (mg/L)	5.2	-
Undeveloped	TN	EMC (mg/L)	4.8	-
Mixed Development	TP	EMC (mg/L)	0.8	-
Pavement	TP	EMC (mg/L)	0.88	-
Roofs	TP	EMC (mg/L)	0.88	-
Undeveloped	TP	EMC (mg/L)	0.5	-
Mixed Development	TSS	EXP	20	1.8
Pavement	TSS	EXP	40	2.2
Roofs	TSS	EXP	40	2.2
Undeveloped	TSS	EXP	10	1.2

The pollutant loading NSE values obtained through calibration and validation on a daily time scale are summarized in Table 4.4, while the measured and modeled pollutographs are presented in Figure 4.5, Figure 4.6, Figure 4.7, Figure 4.8, Figure 4.9, and Figure 4.10. Daily NSE values of 0.5 or greater are acceptable for model simulation (Logsdon, 2011) and therefore the following calibration and validation values were satisfactory for pollutant loading prediction.

Table 4.4 NSE values for pollutant calibration and validation.

Pollutant	Calibration NSE	Validation NSE
TSS	0.72	0.82
TN	0.65	0.93
TP	0.59	0.92

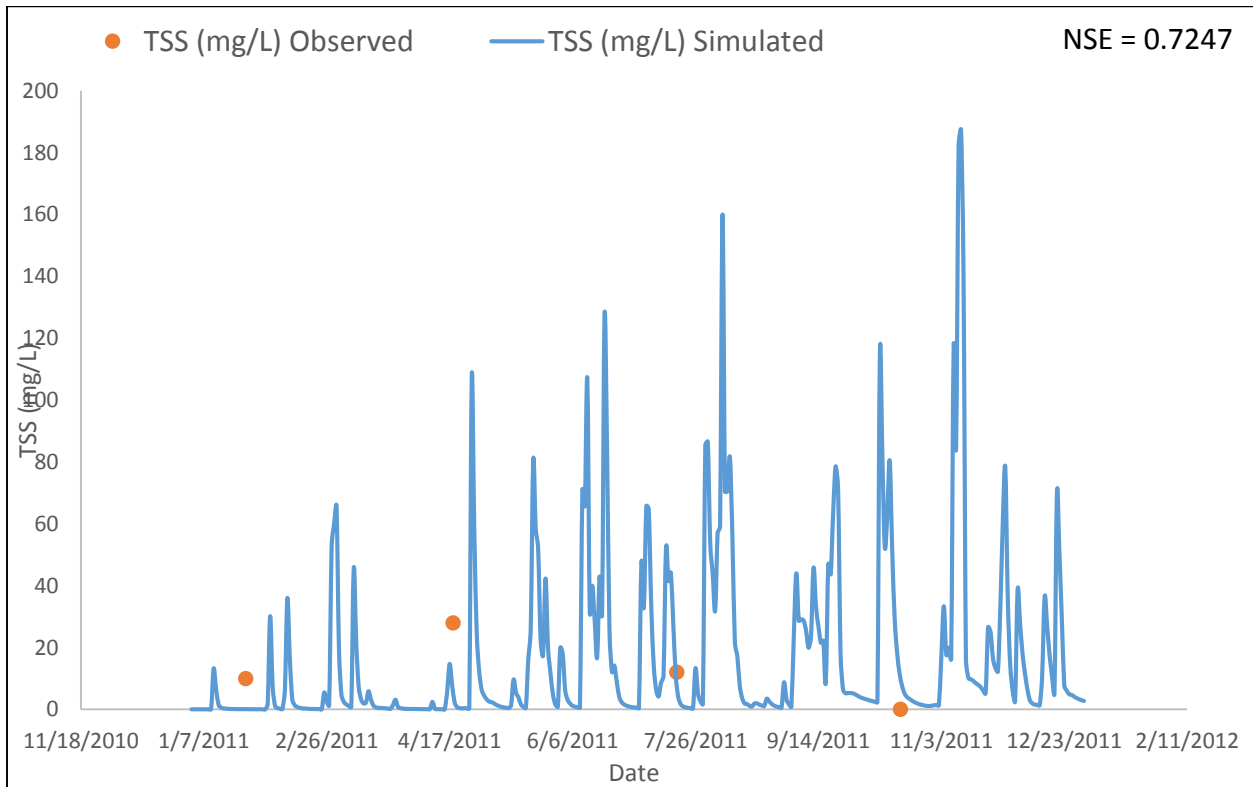


Figure 4.5 Simulated and observed TSS for the calibration period.

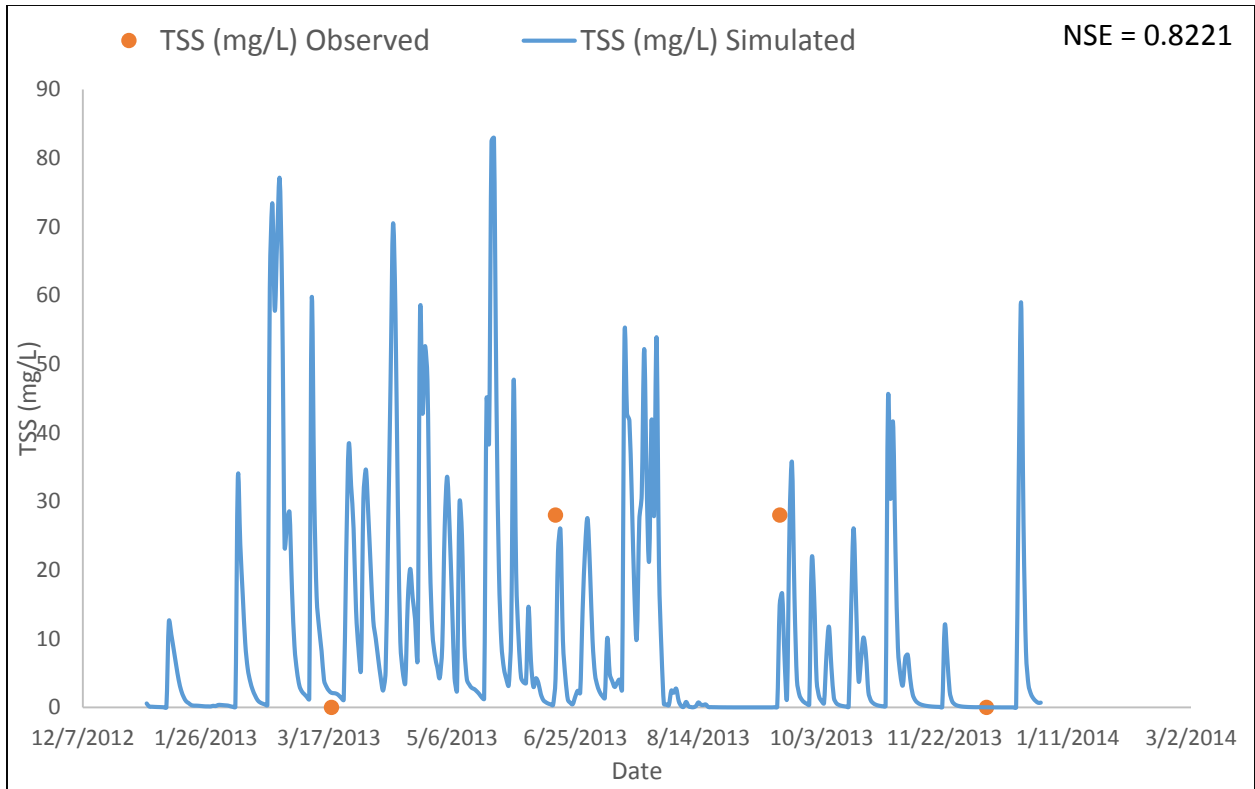


Figure 4.6 Simulated and observed TSS for the validation period.

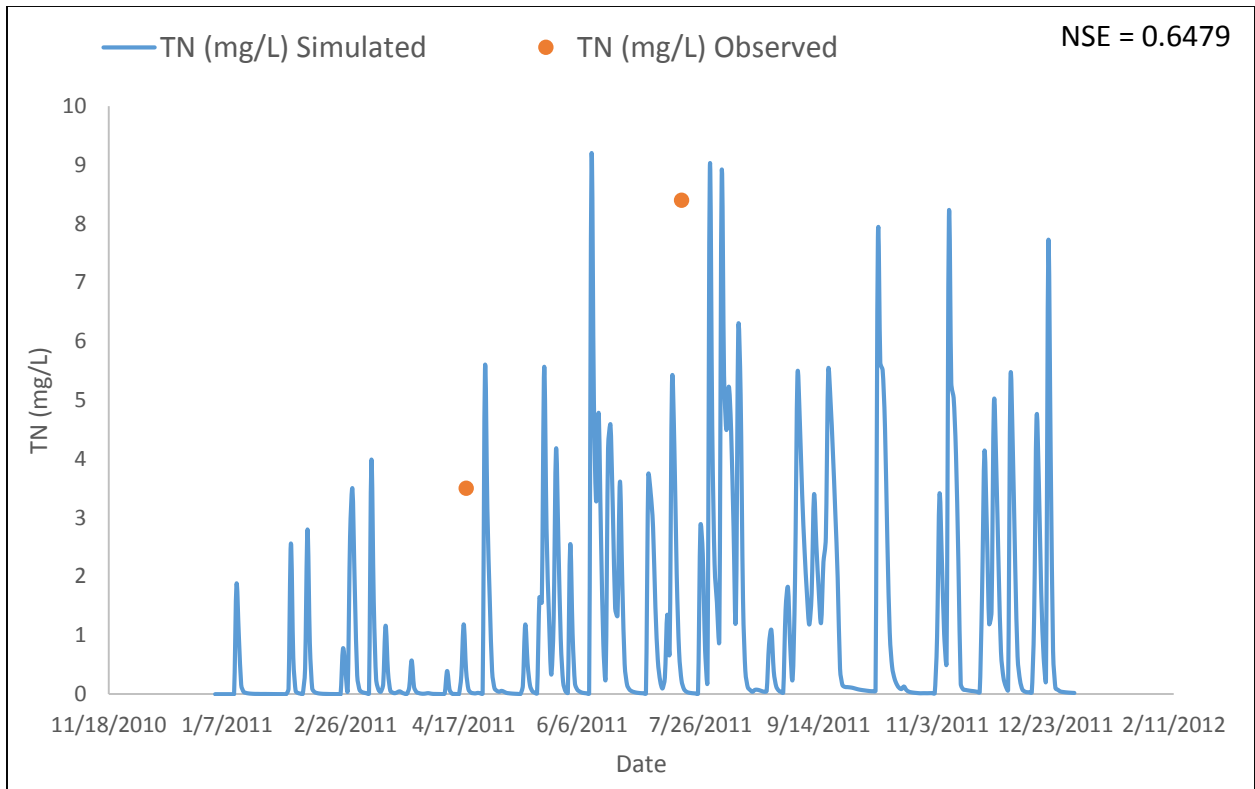


Figure 4.7 Simulated and observed TN for the calibration period.

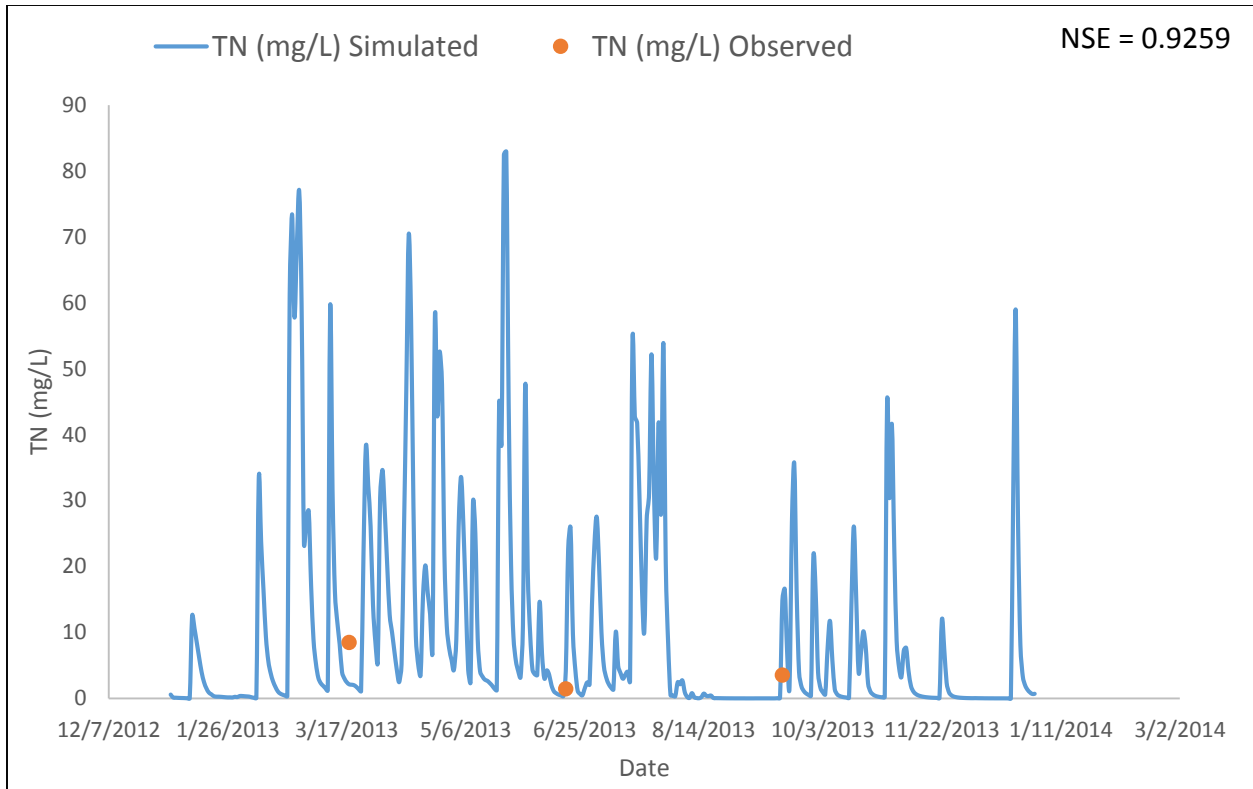


Figure 4.8 Simulated and observed TN for the validation period.

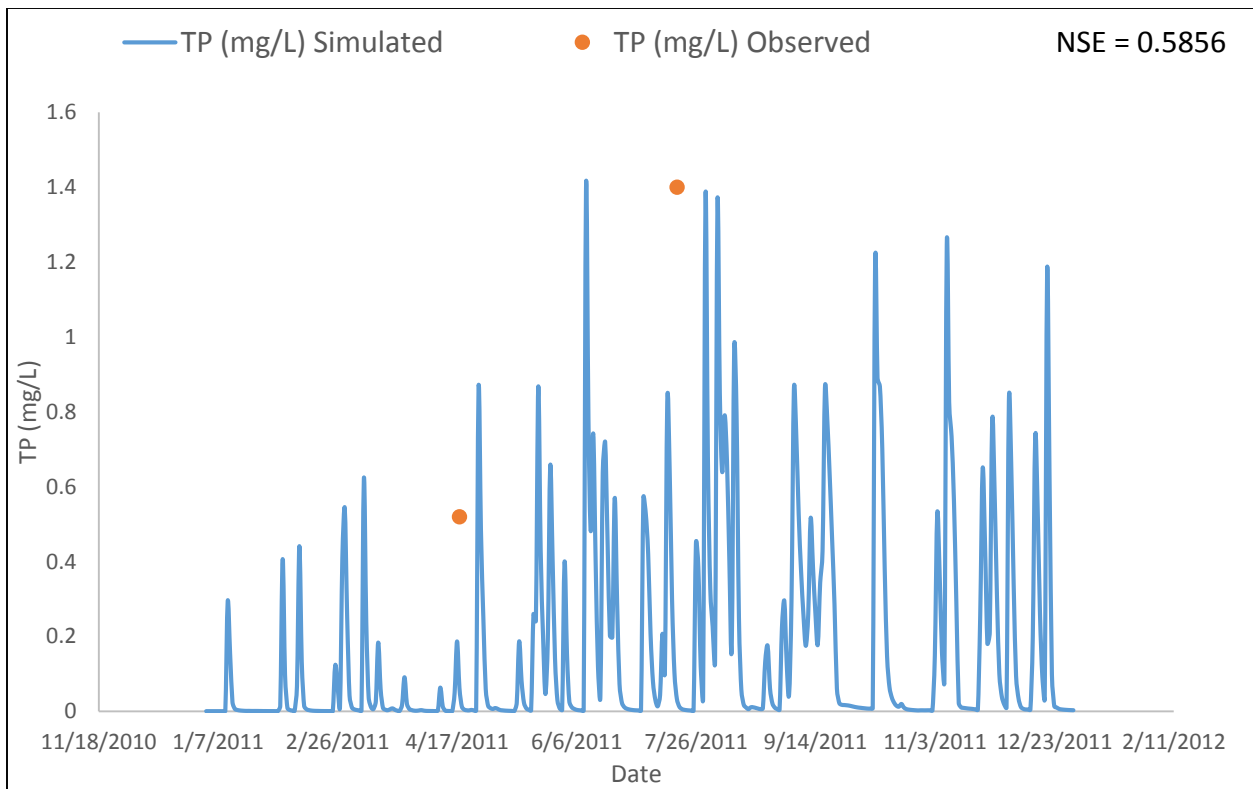


Figure 4.9 Simulated and observed TP for the calibration period.

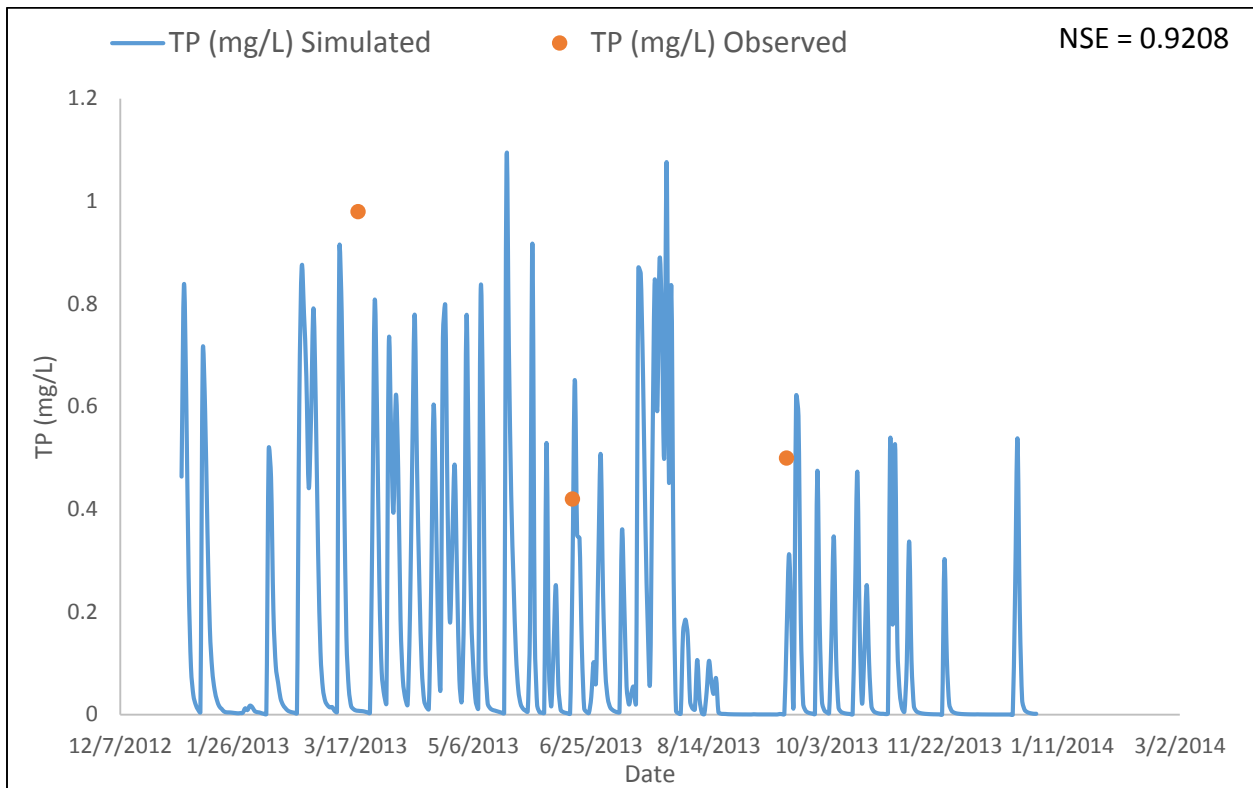


Figure 4.10 Simulated and observed TP for the validation period.

4.2 Results and Statistical Analysis

4.2.1 Simulation Results

Each land management scenario was compared against the baseline control scenario (i.e. no stormwater BMPs) to assess quantitatively the impact of targeted BMP implementation on ecosystem service provision throughout the study area. The fresh water provision index (FWPI) and erosion regulation index (ERI) were calculated at two locations in the model. The first site was located at the outfall node of the entire model along the Arkansas River, just downstream of the City of Wichita (Figure 4.11). The second site was located at node N190, which is along Cowskin Creek downstream from the targeted BMP implementation area (Figure 4.11). The flood regulation index (FRI) was calculated for a random group of land management scenarios

across all design storm applications at node N154-28 (Figure 4.11). Model node N154-28 is collocated with USGS site #07144480 where flooding on Cowskin Creek is evaluated in real time.

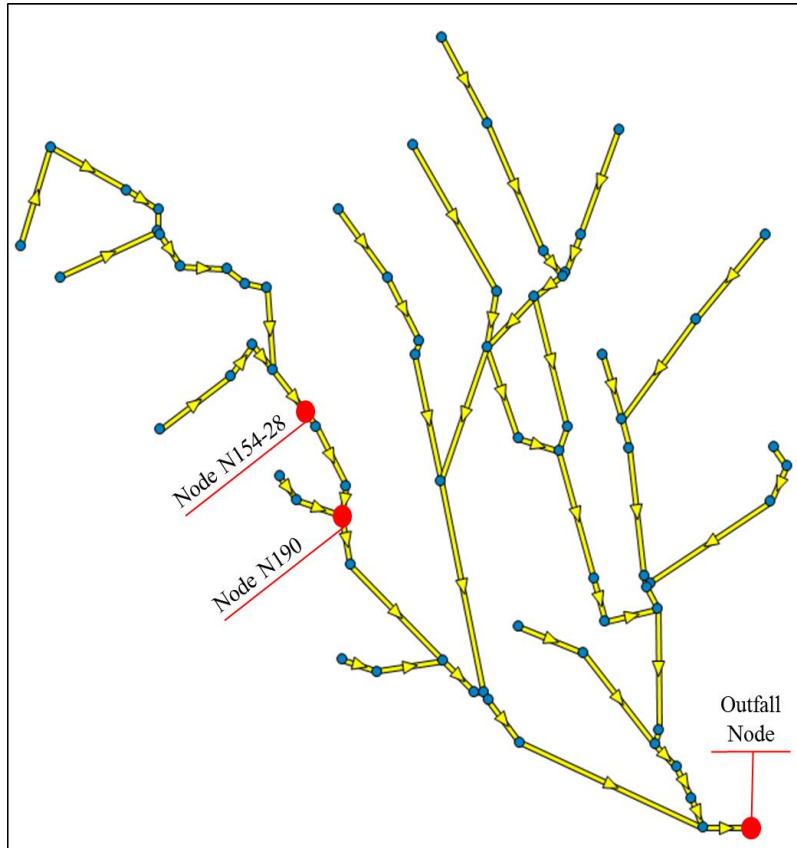


Figure 4.11 Location of ecosystem service data collection.

4.2.1.1 FWPI Provision at the Outfall Node

Those scenarios containing only bioretention cells produced the greatest FWPI values at the outfall node for the 30.5-mm (1.2-inch) design storm. The smallest values of FWPI at the outfall node for this group of land management scenarios resulted from the 100-year design storm (Table B.1). This trend indicates that system performance declines with an increase in design storm magnitude (Figure 4.12), which is understandable given the bioretention cell in this model was designed to effectively treat 4047-m² (1-acre) of runoff during a 30.5-mm (1.2-inch) design storm. It is likely that the system is overwhelmed by the larger volumes of runoff

associated with more significant design storms and thus the fresh water provision at the outfall is diminished. FWPI values at the outfall node from the various stages of bioretention cell implementation were compared against the baseline land management scenario to quantify the change in ecosystem service provision. Though values of FWPI increased from the baseline scenario with bioretention cell application, none of the values of FWPI ever exceeded one. A value of one is a numerical indication that water quality standards have been met and that there is excellent freshwater provision service. The greatest percent increase in FWPI at the outfall among this group was observed between the baseline land management scenario and scenario 2 (10% bioretention cell implementation) for a 30.5-mm (1.2-inch) design storm (Δ FWPI=7.32%) (Table B.2).

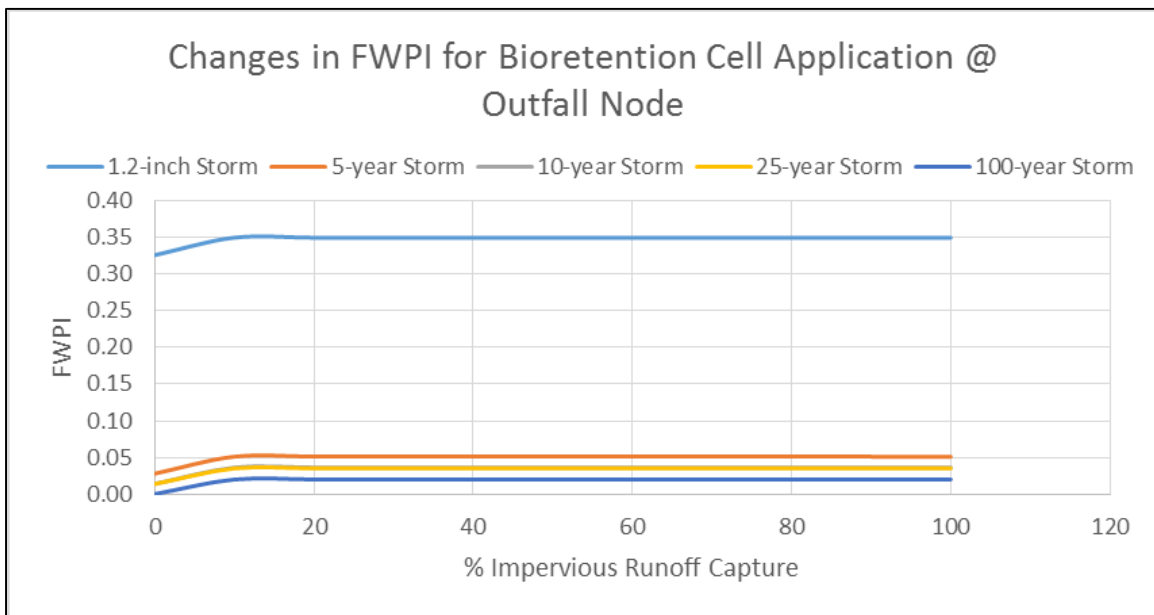


Figure 4.12 Changes in FWPI at the outfall node with bioretention cell application.

There was not a significant difference in FWPI values between the baseline land management scenario and all green roof application, all rain barrel application, and all combination green roof and rain barrel application at the outfall node (Figure 4.13; Figure 4.14;

Figure 4.15). It is not surprising that there was no major change in values of FWPI since neither the green roofs nor the rain barrels in this model were assumed to provide water quality treatment in the model. Similar to the bioretention cell scenarios, all green roof, rain barrel, and green roof/rain barrel combination scenarios demonstrated greater FWPI performance at the outfall node during the 30.5-mm (1.2-inch) storm than during larger design storms (Table B.1). Again this is likely because the green roofs and rain barrels were designed to handle runoff from a 30.5-mm (1.2-inch) design storm and were unable to process the larger volumes of runoff associated with larger design storms. To quantify the impact of BMP implementation on ecosystem service provision, the all green roof application, all rain barrel application, and all combination green roof and rain barrel application were compared against the baseline land management scenario at the model outfall. In general, the percentage change in FWPI from the baseline land management scenario to this group of scenarios was zero (Table B.2).

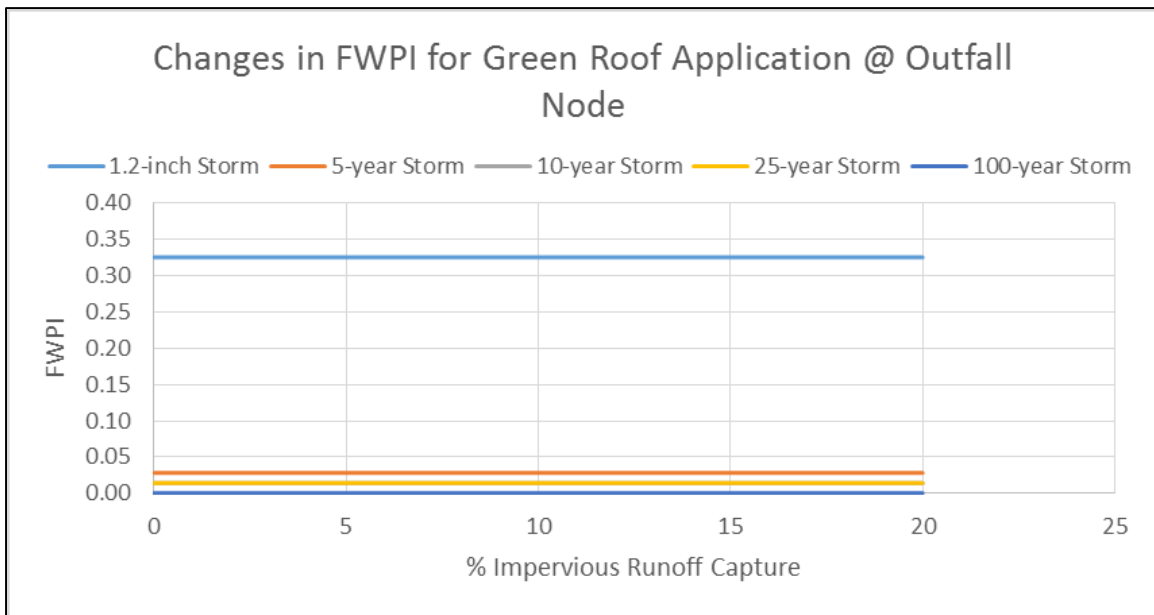


Figure 4.13 Changes in FWPI at the outfall node with green roof application.

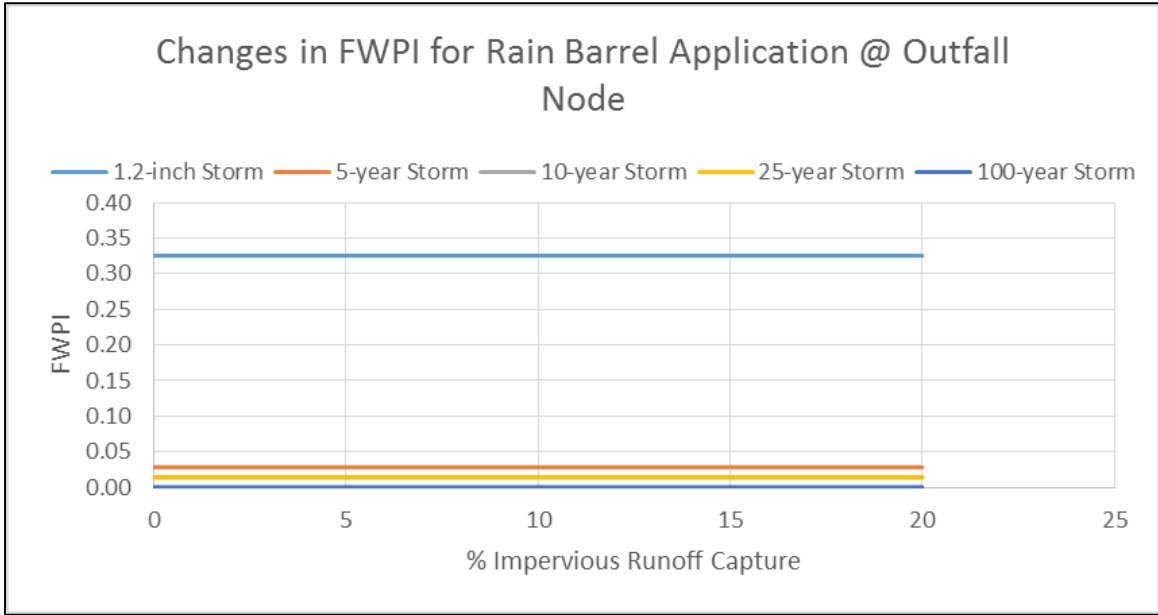


Figure 4.14 Changes in FWPI at the outfall node with rain barrel application.

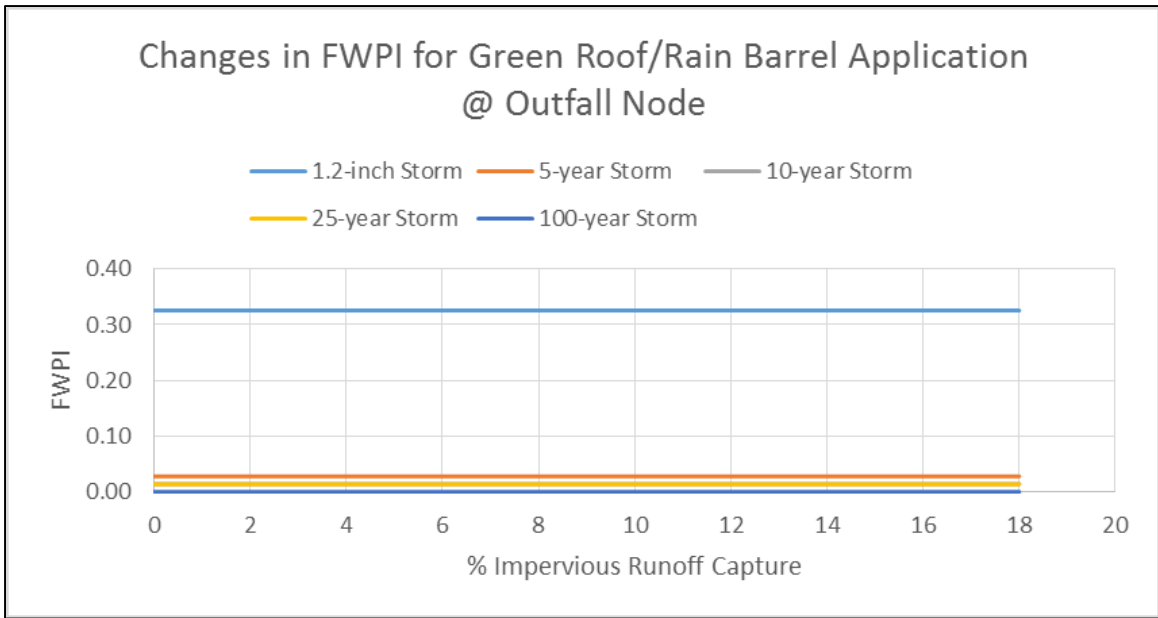


Figure 4.15 Changes in FWPI at the outfall node with combination green roof/rain barrel application.

The combination bioretention cell and green roof scenarios performed similarly to the scenarios in which only bioretention cell were modeled. The combination bioretention cell and green roof scenarios demonstrated the greatest values of FWPI at the outfall node during the

30.5-mm (1.2-inch) design storm, with values of FWPI decreasing with increasing storm size (Figure 4.16). As stated previously, the bioretention cell in this model was designed to successfully treat 4047-m² (1-acre) of runoff during a 30.5-mm (1.2-inch) design storm, so it understandable that system performance would decrease as design storm size increased. FWPI values at the outfall node produced by various intensities of combined bioretention cell/green roof application were compared against the baseline land management scenario to quantify the change in fresh water provision. Though values of FWPI increased from the baseline with these combination bioretention cell/green roof application scenarios, none of the values were ever recorded to be FWPI \geq 1, which is an indication of excellent freshwater provision service. The greatest percent increase in FWPI at the outfall among this group was observed comparing the baseline land management scenario to scenario 42 (40% bioretention cell, 4% green roof) with Δ FWPI=7.2% during a 30.5-mm (1.2-inch) design storm (Table B.2).

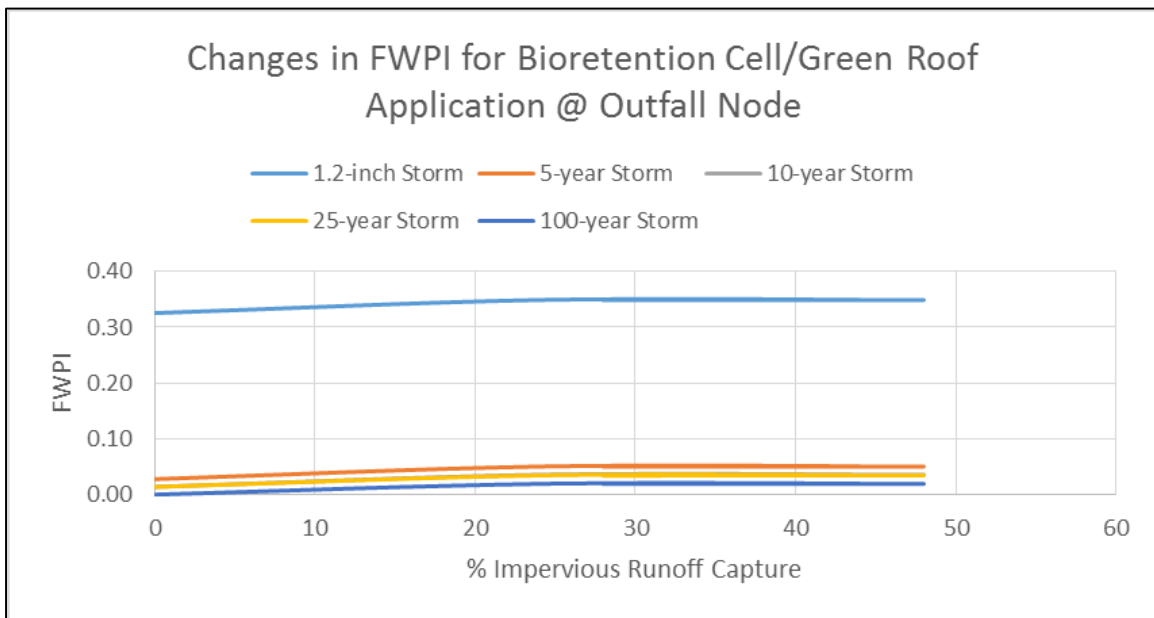


Figure 4.16 Changes in FWPI at the outfall node for combination bioretention cell/green roof application.

The combination bioretention cell, green roof, and rain barrel application scenarios performed very similarly as all other scenarios containing a bioretention cell. These combination

scenarios demonstrated the greatest values of FWPI at the outfall node during the 30.5-mm (1.2-inch) design storm, with values of FWPI decreasing with increasing storm size (Figure 4.17; Table B.1). It is likely that the system was overwhelmed with the larger volumes of runoff associated with larger design storms since the bioretention cell in this model was only designed to effectively treat 4047-m² (1-acre) of runoff during a 30.5-mm (1.2-inch) design storm. Though values of FWPI increased from the baseline scenario with the combination bioretention cell/green roof/rain barrel application scenarios, none of the values ever exceeded one, which is an indication of excellent freshwater provision service. The percent change in values of FWPI at the outfall node from the various stages of combination bioretention cell/green roof/rain barrel implementation were compared against the baseline land management scenario to quantify improvement in fresh water provision. The greatest percent increase in values of FWPI occurred between the baseline land management scenario and scenario 46 (40% bioretention, 4% green roof, 2% rain barrel) with Δ FWPI=7.2% during a 30.5-mm (1.2-inch) design storm (Table B.2).

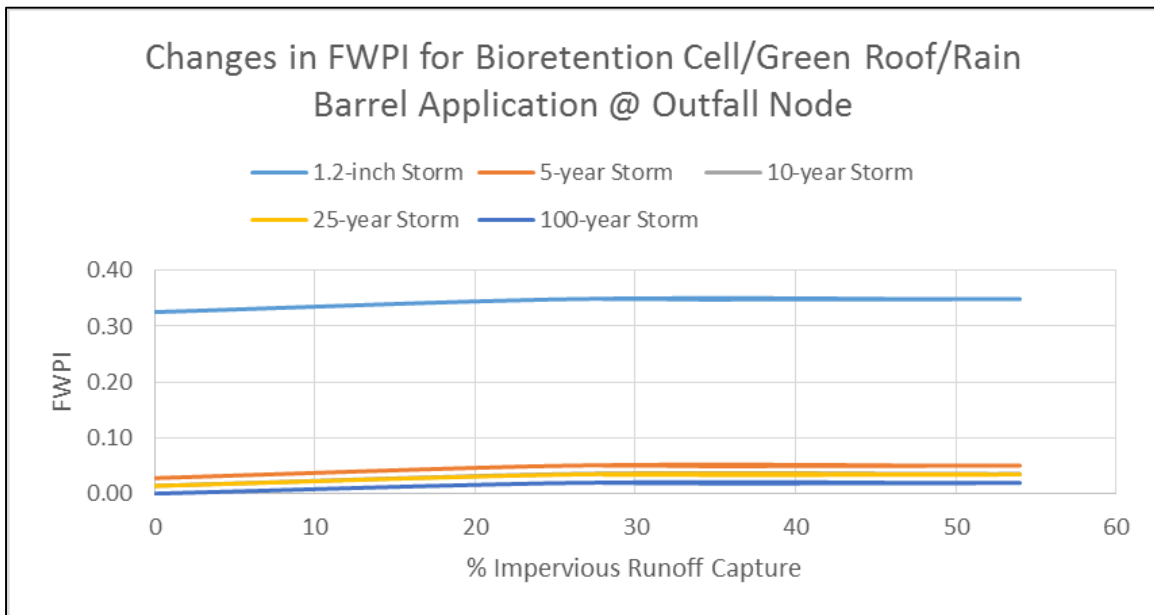


Figure 4.17 Changes in FWPI at the outfall node for combination bioretention cell/green roof/rain barrel application.

The largest percent change in FWPI at the outfall node among all of the land management scenarios occurred between the baseline scenario and scenario 2 (10% bioretention application) with $\Delta\text{FWPI}=7.3\%$ during a 30.5-mm (1.2-inch) design storm (Table B.2). This result indicates that land management scenarios with 10% runoff capture by bioretention cells will provide optimal fresh water provision at the outfall node across all sizes of design storms. However it is important to note that FWPI values did not meet or exceed one under any scenario. To achieve a FWPI value of one, the requirements in both the water quantity term and the water quality term of the index must be satisfied. This means that the minimum flow requirement for the water body of interest must be met for the water quantity term and that the simulated/measured pollutant concentrations must be below the acceptable concentration limit for the water quality term. A FWPI value of one indicates excellent freshwater provision services, and this standard was not achieved for any land management scenario at the outfall node.

4.2.1.2 ERI Provision at the Outfall Node

Those land management scenarios in which only bioretention cells were implemented were compared to the baseline land management scenario to assess the impact of BMP implementation on erosion regulation at the outfall node. As a general trend, the percent change in values of ERI increased as the percentage of runoff capture by the bioretention cells increased (Table B.4). The highest percent change in values of ERI was observed between the baseline land management scenario and scenario 11 (100% bioretention cell) with $\Delta\text{ERI}=683.7\%$ during a 30.5-mm (1.2-inch) design storm (Table B.4). The daily erosion rate for this scenario was calculated as 2111 kg/km²/d (18.8 lbs/ac/d) during the 30.5-mm (1.2-inch) design storm, and the maximum allowable erosion rate was 6568 kg/km²/d (58.6 lbs/ac/d). However, the percent

change in ERI values between the baseline and the 10% bioretention cell scenario ($\Delta\text{ERI}=682.1\%$) during a 30.5-mm (1.2-inch) design storm (Table B.4) was nearly the same. For comparison, the daily erosion rate for this scenario was 2130 kg/km²/d (19 lbs/ac/d). Additionally the percent change in values of ERI rose as the size of the design storm increased (Table B.4). ERI values at the outfall node exceeded 1 for all bioretention cell scenarios during the 30.5-mm (1.2-inch) design storm (Table B.3), which is an indication of excellent erosion regulation services gained by implementation of bioretention cells. There was a general decline in values of ERI as the storm size increased (Figure 4.18), which is understandable since each bioretention cell was designed to only effectively treat 4047-m² (1-acre) of runoff during a 30.5-mm (1.2-inch) design storm.

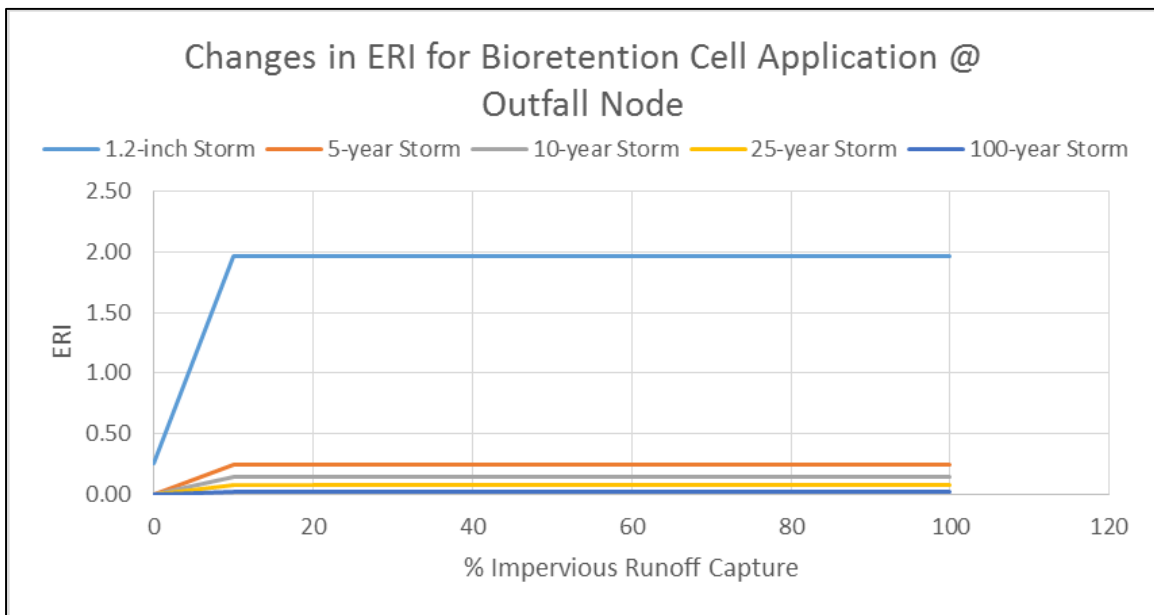


Figure 4.18 Changes in ERI at the outfall node with bioretention cell application.

Those land management scenarios containing only green roof, only rain barrel, or combination green roof/rain barrel BMPs were compared against the baseline land management scenario to evaluate the impact of BMP application on erosion regulation at the outfall node. The three land management types performed similarly with ERI values decreasing as the magnitude

of the design storm increased (Figure 4.19; Figure 4.20; Figure 4.21). On average, the percent change in ERI values between the baseline and all green roof and/or rain barrel scenarios was negligible (Table B.4). The percent change in values of ERI among green roof scenarios was the largest between the baseline scenario and scenario 21 (20% green roof) with $\Delta\text{ERI}=0.21\%$ (Table B.4) during a 30.5-mm (1.2-inch) design storm. The daily erosion rate for scenario 21 was 15580 kg/km²/d (139 lbs/ac/d), which is significantly higher than that maximum allowable erosion rate of 6568 kg/km²/d (58.6 lbs/ac/d). The percent change in values of ERI among green roof scenarios decreased as the size of the design storms increased, becoming negative among larger design storm simulations. The largest percent change in ERI among rain barrel scenarios was observed between the baseline land management scenario and scenario 31 (20% rain barrel) with $\Delta\text{ERI}=0.40\%$ (Table B.4) during a 30.5-mm (1.2-inch) design storm. The daily erosion rate for scenario 31 was 15580 kg/km²/d (139 lbs/ac/d), which is significantly higher than that maximum allowable erosion rate of 6568 kg/km²/d (58.6 lbs/ac/d). The percent change in ERI values increased during the rain barrel scenarios as the design storm magnitude increased, which is opposite to the performance trend of the green roof scenarios. Among the combination green roof and rain barrel application scenarios, the largest percent change in values of ERI was observed between the baseline scenario and scenario 40 (12% green roof application, 6% rain barrel application) with $\Delta\text{ERI}=0.23\%$ (Table B.4) during a 30.5-mm (1.2-inch) design storm. The daily erosion rate for scenario 21 was 15580 kg/km²/d (139 lbs/ac/d), which is significantly higher than that maximum allowable erosion rate of 6568 kg/km²/d (58.6 lbs/ac/d). The percent change in values of ERI tended to increase during the combination green roof and rain barrel scenarios as the size of the design storm increased. Those scenarios containing only rain barrel implementation had the highest percent changes in values of ERI when compared to the baseline,

though the performance was only slightly better than the green roof implementation scenarios and the combination green roof/rain barrel implementation scenarios. The negative percent change values calculated for the some of the green roof implementation scenarios may indicate that the addition of green roofs to the system may actually inhibit ecosystem service provision in regards to erosion regulation. None of the scenarios resulted in an ERI value greater than one, which indicates that there was not beneficial erosion regulation occurring in any of these land management scenarios.

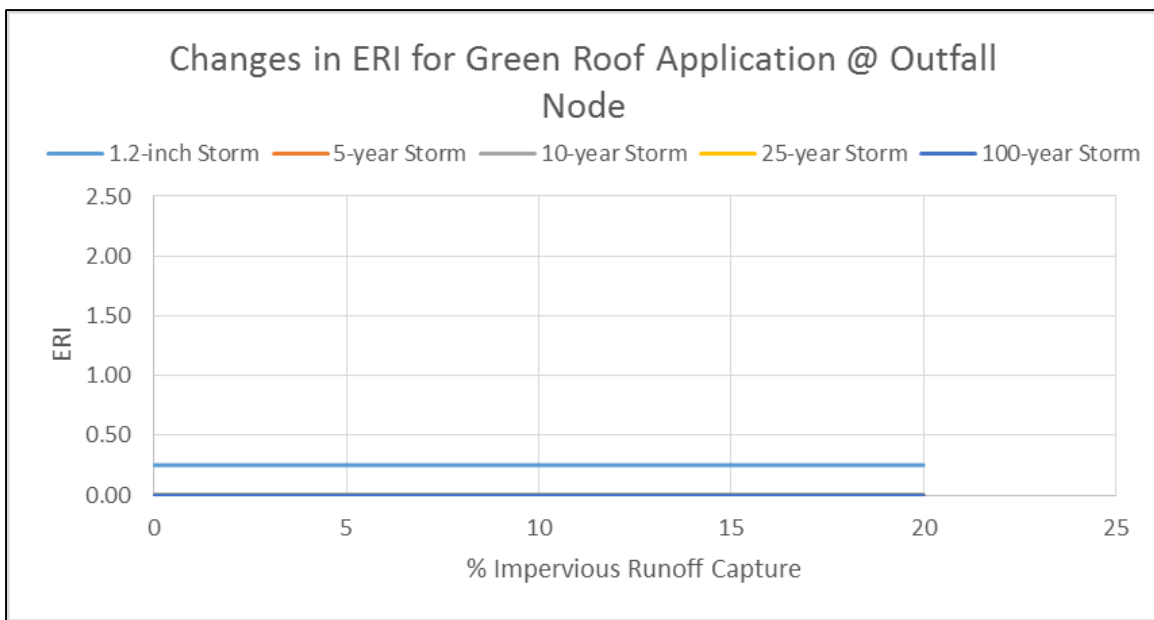


Figure 4.19 Changes in ERI at the outfall node with green roof application.

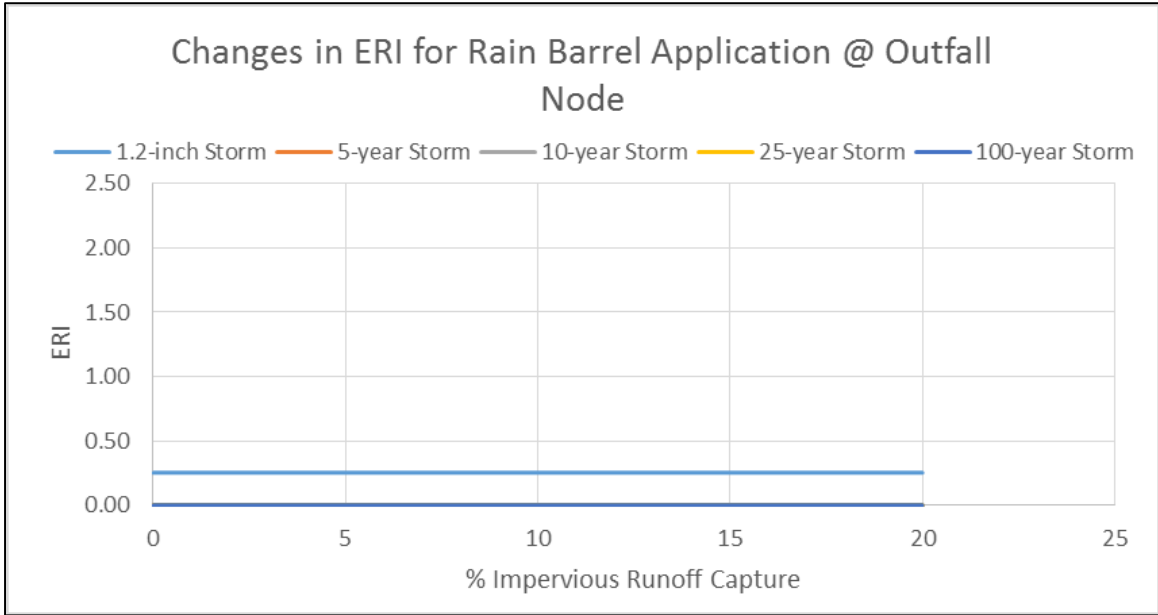


Figure 4.20 Changes in ERI at the outfall node with rain barrel application.

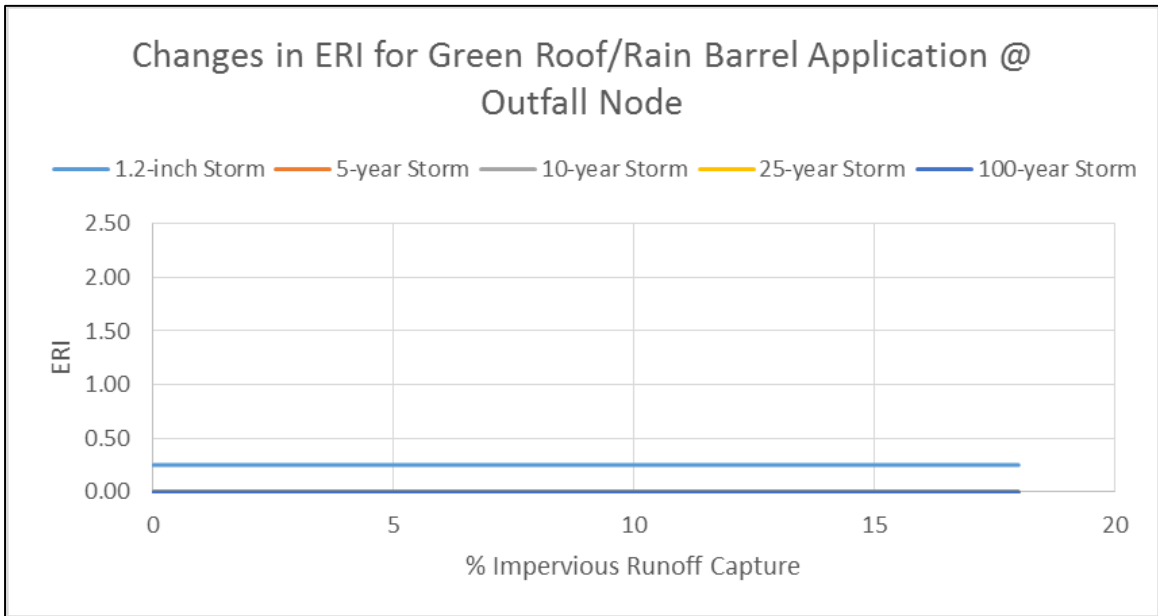


Figure 4.21 Changes in ERI at the outfall node with combination green roof/rain barrel application.

The combination bioretention cell and green roof application scenarios produced similar results to the all bioretention cell implementation scenarios, with ERI values at the outfall node decreasing as the size of the design storm increased (Figure 4.22). The highest percent change in combination bioretention cell and green roof application when compared with the baseline was

observed for scenario 42 (40% bioretention application and 4% green roof application). The percent change in ERI during a 30.5-mm (1.2-inch) design storm for scenario 42 was $\Delta\text{ERI}=681.2\%$ (Table B.4). The daily rate of erosion for scenario 42 was $2130 \text{ kg/km}^2/\text{d}$ (19 lbs/ac/d), which is less than the maximum allowable erosion rate. Values of $\text{ERI} \geq 1$ were calculated for all combination bioretention cell and green roof application scenarios during the 30.5-mm (1.2-inch) design storm (Table B.3), indicating the occurrence of positive erosion regulation services. As the magnitude of the design storm increased, however, ERI values fell below one, indicating that the larger design storm size potentially overwhelmed the ability of the bioretention cell/green roof system to retain pollutants from stormwater runoff.

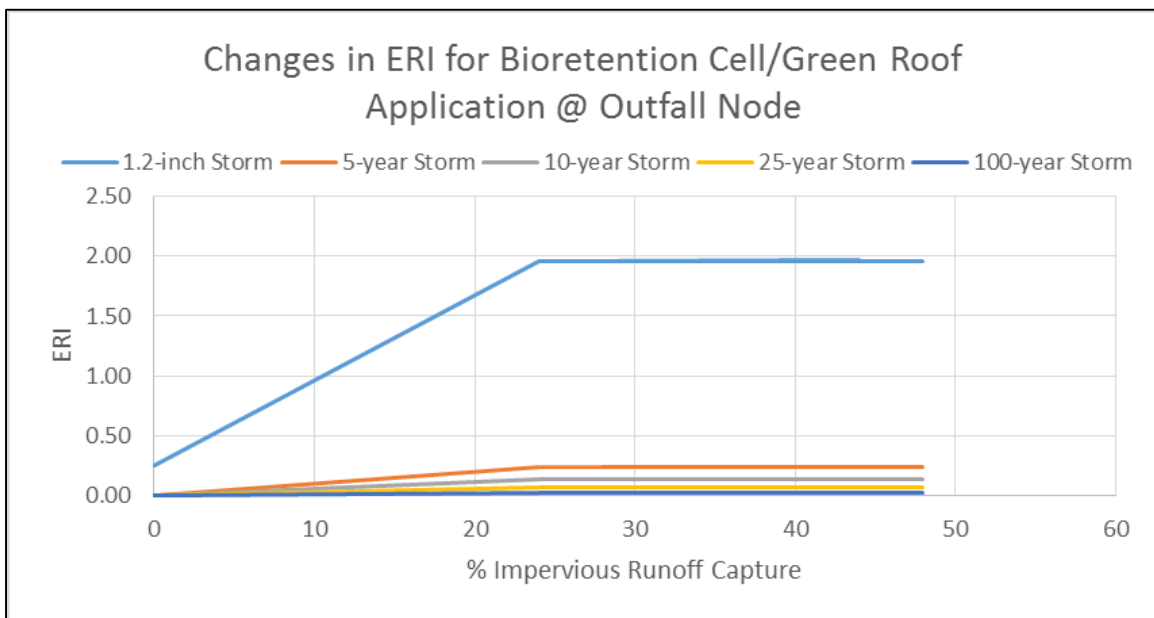


Figure 4.22 Changes in ERI at the outfall node with combination bioretention cell/green roof application.

The combination bioretention cell, green roof, and rain barrel land management scenarios performed similarly to all other scenarios containing a bioretention cell (Table B.3). In general, ERI values declined as the size of the design storm increased (Figure 4.23). The percent change in ERI values tended to increase as the size of the design storm increased, which is likely

because the baseline ERI value from the larger design storms was quite small. The largest percent change in values of ERI was observed between the baseline scenario and scenario 46 (40% bioretention cell application, 4% green roof application, and 2% rain barrel application). The $\Delta\text{ERI}=680.5\%$ for a 30.5-mm (1.2-inch) design storm (Table B.4). The daily erosion rate for scenario 46 was 2130 kg/km²/d (19 lbs/ac/d), which is less than the maximum allowable erosion rate.

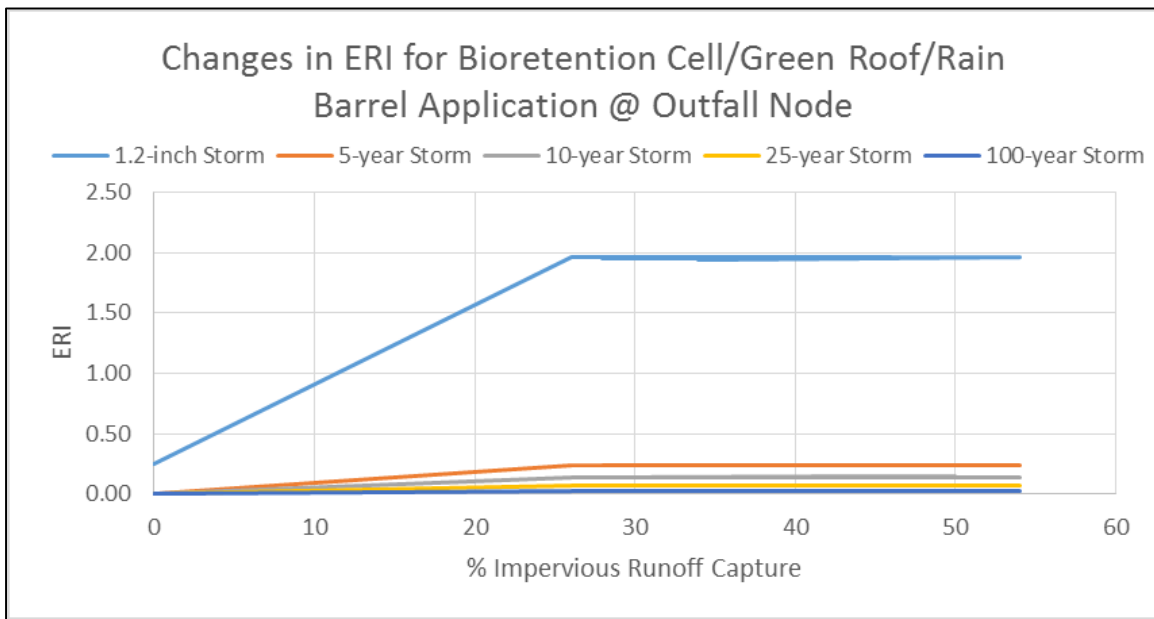


Figure 4.23 Changes in ERI at the outfall node with combination bioretention cell/green roof/rain barrel application.

The largest percent change in ERI values at the outfall among all of the land management scenarios occurred comparing the baseline scenario to scenario 11 (100% bioretention application) with $\Delta\text{ERI}=683.65\%$ during a 30.5-mm (1.2-inch) design storm (Table B.4). However, the percentage change in ERI between the baseline and 10% bioretention application (scenario 2) was approximately the same (682.1%) for the 30.5-mm (1.2-inch) design storm (Table B.4). ERI values for land management scenarios in which only bioretention cells were implemented during the 30.5-mm (1.2-inch) design storm exceed a value of one (Figure 4.18),

indicating excellent erosion regulation services during this storm event. Other scenarios containing bioretention cells (combined with green roofs and rain barrels) performed similarly to the only bioretention cell implementation scenarios with values of ERI above one during the smallest design storm. However, the greatest increases in ERI relative to the baseline scenario were observed in combination scenarios with the highest application of bioretention cells and lowest application of green roof and/or rain barrel. This may indicate that the addition of the green roof and/or rain barrel best management practice to the system may actually detract from the ecosystem service provision being provided by the bioretention cell.

4.2.1.3 FWPI Provision at Node N190 on Cowskin Creek

Percent change in the FWPI values were compared between land management scenarios representing increasing intensity of bioretention cell application and the baseline land management scenario in order to assess the effect of targeted BMP implementation on ecosystem service provision at node N190. Values of FWPI tended to increase as the percent of runoff capture in the bioretention cell scenarios increased (Figure 4.24). The increase in FWPI around 90%-100% impervious runoff capture is likely caused by the impervious runoff routing mechanism in SWMM. Runoff is routed from the impervious area to either pervious areas or BMPs, and it is likely that there was a greater area of BMPs than impervious area in these higher BMP scenarios. Thus, the system was able to effectively treat all impervious runoff, sending none to pervious areas or waterways, caused inflated FWPI values. However, the scenarios with higher percentage of BMP implementation are somewhat unrealistic, and it is unlikely that 90 or 100% bioretention cell application would actually be implemented. Relative to the baseline scenario, the percent change in FWPI increased 37.25% under scenario 2 (10% bioretention cell application) for the 30.5-mm (1.2-inch) design storm (Table B.6). For comparison, the largest

percent change in FWPI was observed between the baseline and scenario 11 (100% bioretention cell application) with $\Delta\text{FWPI} = 249.95\%$ in the 30.5-mm (1.2-inch) design storm (Table B.6). This demonstrates that the percent change in values of FWPI increased as the volume of runoff capture by the bioretention cells increased (Table B.6). These two trends in values of FWPI and percent change of FWPI indicate that freshwater provisioning services will increase with the number of bioretention cells in a system. Values of FWPI were greater than or equal to one, which is an indication of excellent freshwater provisioning services, for the 100% bioretention cell application scenario during the 30.5-mm (1.2-inch) design storm (Table B.5). FWPI values declined as the magnitude of the design storm increased, which indicates that the larger design storms overwhelmed the ability of the system to treat stormwater runoff.

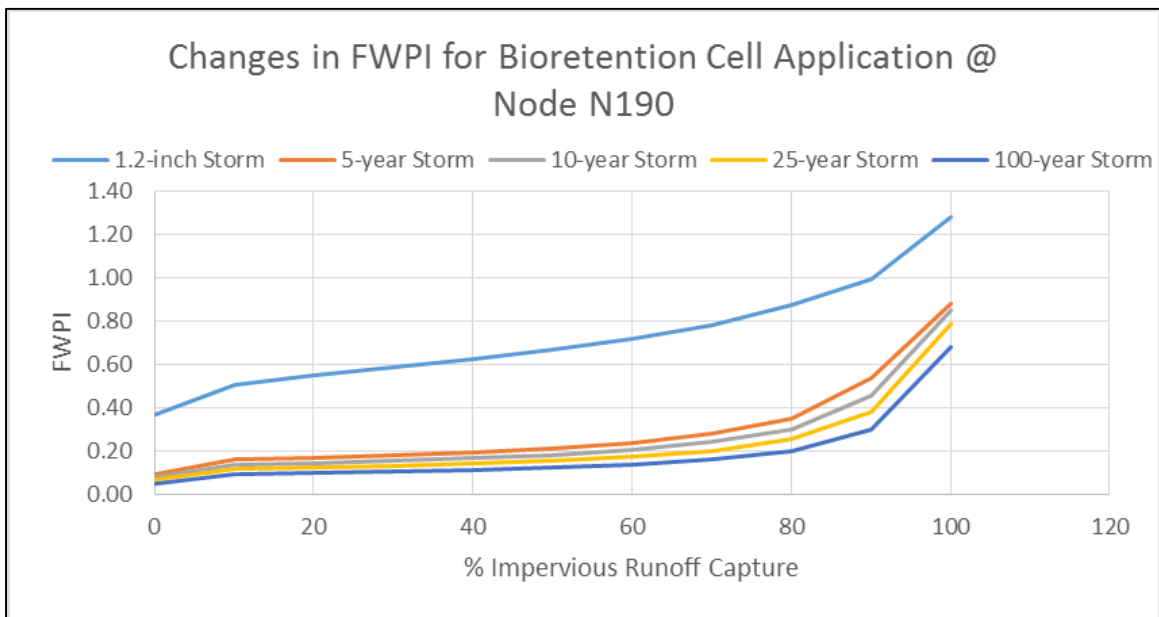


Figure 4.24 Changes in FWPI at Node N190 with bioretention cell application.

Percent changes in FWPI values between land management scenarios with varying intensities of green roof application and the baseline were compared to understand the impact of green roof implementation on ecosystem service provision. FWPI values increased as the percent of runoff capture by green roof implementation increased (Figure 4.25; Table B.5). However,

values of FWPI declined as the magnitude of the design storm increased, indicating that green roof performance deteriorated with larger volumes of runoff. The largest percent change in FWPI was observed between the baseline land management scenario and scenario 21 (20% green roof application) with Δ FWPI=21.8% during a 30.5-mm (1.2-inch) design storm (Table B.6).

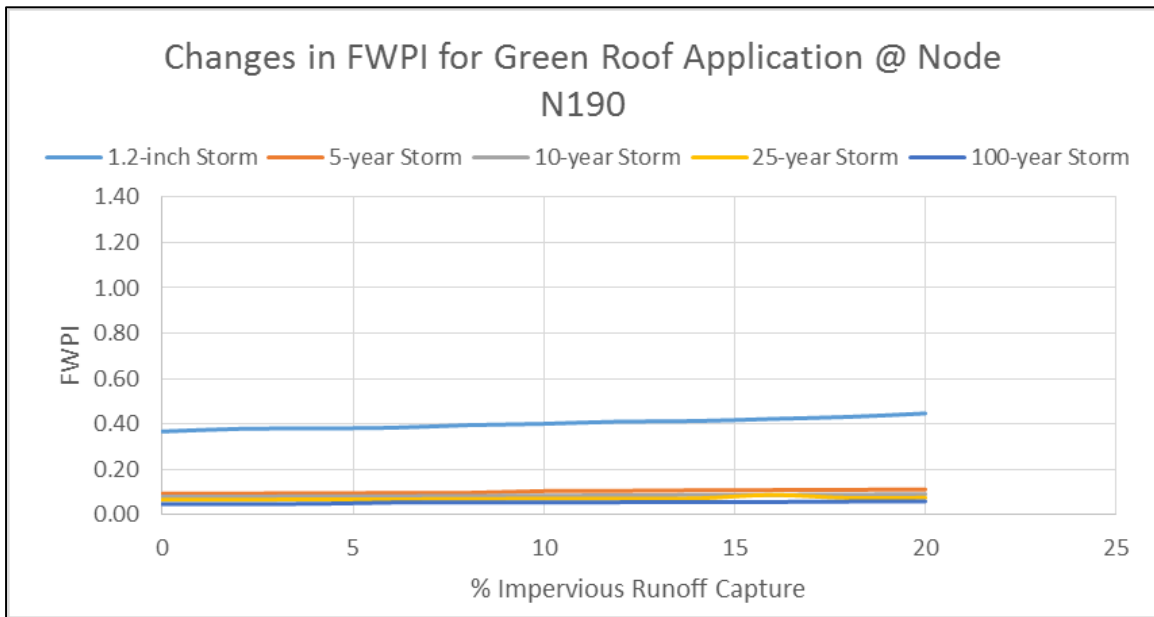


Figure 4.25 Changes in FWPI at Node N190 with green roof application.

Land management scenarios with varying intensities of rain barrel application were compared against the baseline land management scenario to assess the impact of rain barrel best management practices on ecosystem service provision. The rain barrel application scenarios performed very similarly to the green roof application scenarios with FWPI values increasing as the volume of runoff capture increased (Figure 4.26). This trend is an indication that greater freshwater provisioning services are associated with a higher density of rain barrel application. The largest percent change in FWPI among this group was observed between the baseline scenario and scenario 31 (20% rain barrel application) with Δ FWPI=21.57% for a 30.5-mm (1.2-inch) design storm (Table B.6). FWPI values and the percent change in FWPI generally declined

as the size of the design storm increased, indicating that the system may have been overwhelmed with the volume of runoff generated during larger storms (Table B.5; Table B.6).

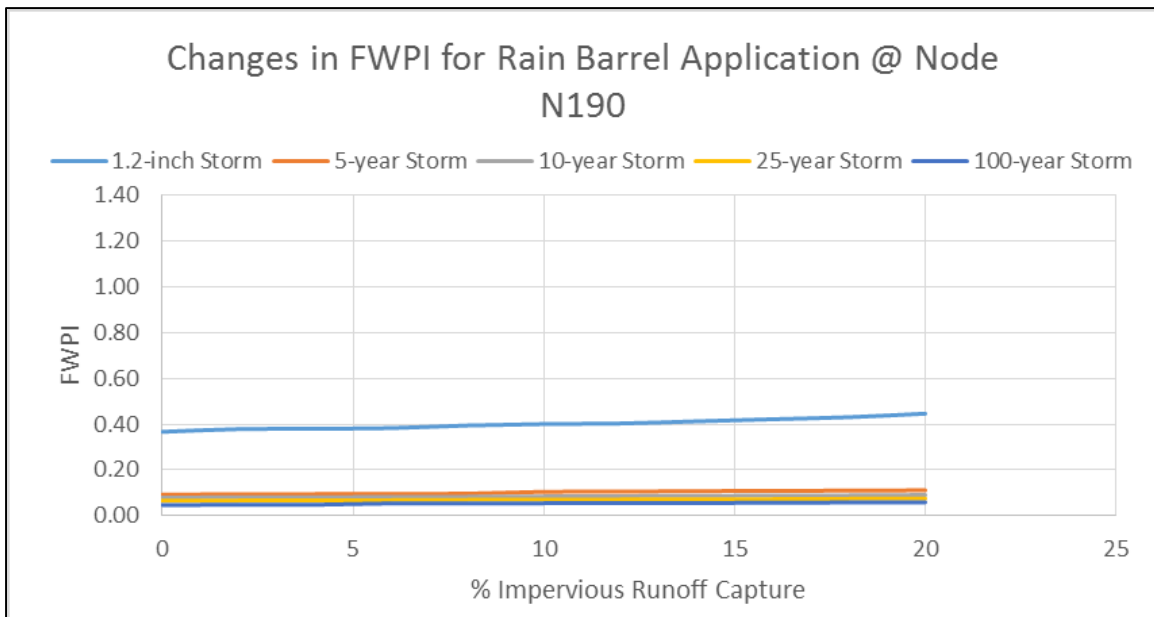


Figure 4.26 Changes in FWPI at Node N190 with rain barrel application.

The combination green roof and rain barrel land management scenarios were compared against the baseline scenario to assess the impact of BMP implementation on ecosystem service provision. Generally, FWPI values increased as the volume of runoff capture by BMPs in this group of scenarios increased (Table B.5; Figure 4.27), indicating that greater freshwater provision is associated with higher densities of BMP application. The largest percent change in FWPI (Δ FWPI=17.52% for a 30.5-mm (1.2-inch) design storm) occurred between the baseline land management scenario and scenario 40 (12% green roof, 6% rain barrel application) which is the highest application intensity in the green roof/rain barrel combination test group (Table B.6). This result is very similar to the results obtained for the all green roof and all rain barrel land management scenarios. The percent change in FWPI values for this group of land management scenarios generally declined as the size of the design storm increased, which may mean that

system performance in terms of ecosystem service provision declined as the volume of runoff increased.

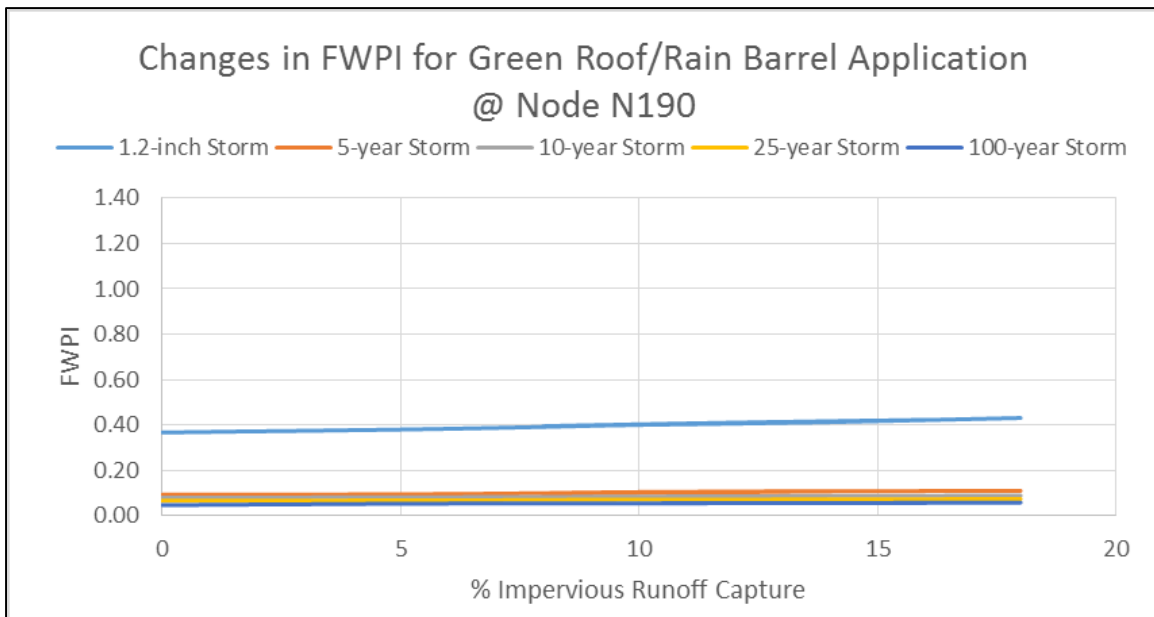


Figure 4.27 Changes in FWPI at Node N190 with combination green roof/rain barrel application.

The baseline land management scenario was compared against the combination bioretention cell and green roof land management scenarios to assess the impact of BMP implementation on freshwater provision in the study area. FWPI values generally improved as the intensity of BMP implementation increased (Table B.5; Figure 4.28). This pattern indicates that a greater density of FWPI implementation yields greater freshwater provision at node N190. The largest percent change in values of FWPI were observed between the baseline land management scenario and scenario 44, with $\Delta\text{FWPI} = 78.03\%$ for a 30.5-mm (1.2-inch) design storm (Table B.6). The large value of percent change in FWPI may be because scenario 44 had the largest volume of runoff capture among this group of land management scenarios, with 40% of runoff capture by bioretention cells and 8% of runoff capture by green roofs. Another trend to note is the general decline in FWPI provision among all scenarios as the size of the design storm

increased, indicating that the system may be overwhelmed by larger volumes of runoff produced by larger design storms.

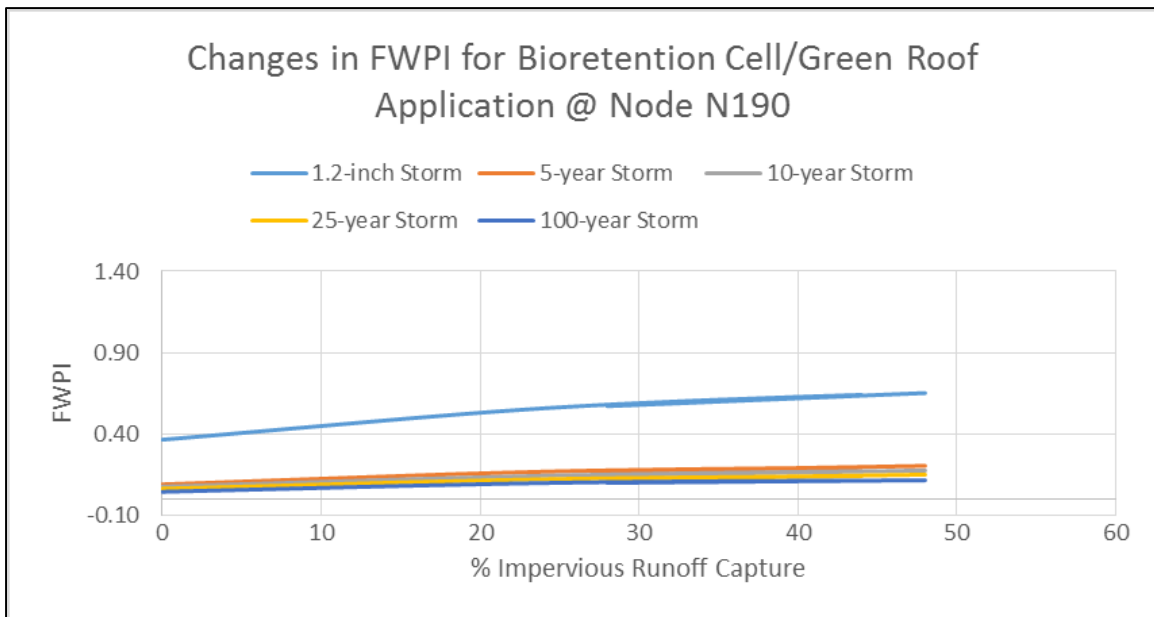


Figure 4.28 Changes in FWPI at Node N190 with combination bioretention cell/green roof application.

The combination bioretention cell, green roof, and rain barrel land management scenarios were compared against the baseline land management scenario to assess the impact of this group of BMPs on freshwater provision in the study area. This group of land management scenarios performed similarly to other land management scenarios containing bioretention cells, with values of FWPI increasing as the volume of runoff capture by the system increased (Table B.5; Figure 4.29). This trend indicates that there is a general increase in freshwater provisioning services as BMP implementation intensity increases. The largest percent change in FWPI was observed between the baseline land management scenario and scenario 56, with $\Delta\text{FWPI}=85.08\%$ for the 30.5-mm (1.2-inch) design storm (Table B.6). The large value of percent change in FWPI may be because scenario 56 had the largest volume of runoff capture among this group of land management scenarios, with 40% of runoff capture by bioretention cells, 8% of runoff capture by

green roofs, and 6% of runoff capture by rain barrels. Another trend to note is the general decline in FWPI as the magnitude of the design storm increased for all mixed land management scenarios (Table B.6). This pattern indicates that the system is overwhelmed by the larger volumes of runoff produced storms exceed the 30.5-mm (1.2-inch) design storm, and therefore is unable to effectively treat runoff to the same level.

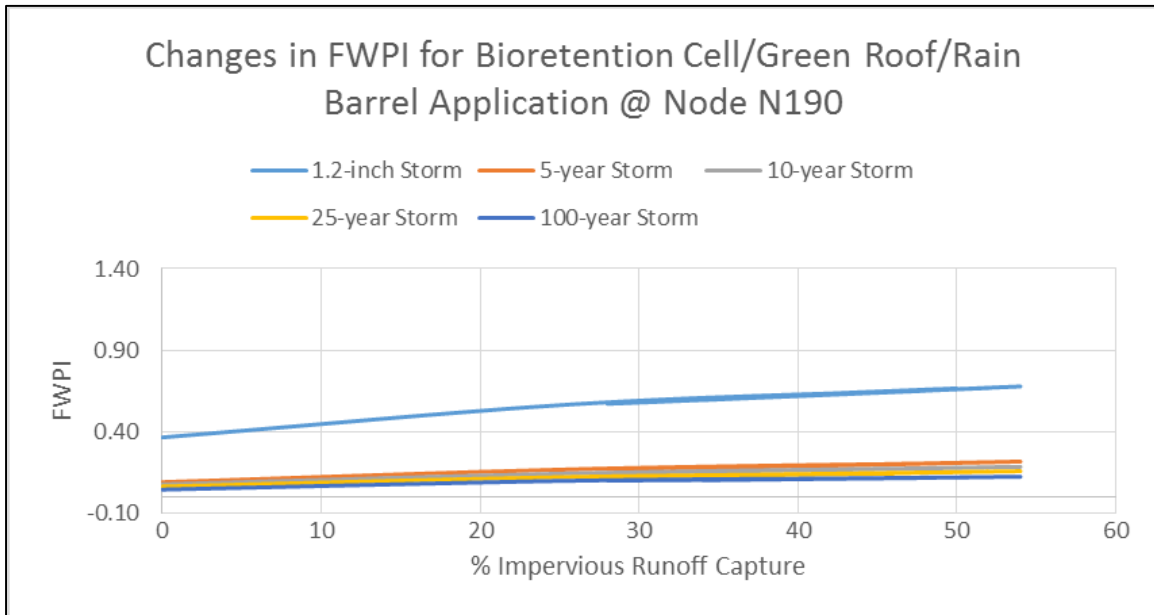


Figure 4.29 Changes in FWPI at Node N190 with combination bioretention cell/green roof/rain barrel application.

4.2.1.4 ERI Provision at Node N190 on Cowskin Creek

The baseline land management scenario was compared to the land management scenarios with only bioretention cell application to understand the impact of targeted BMP implementation on erosion regulation services. As a general trend, ERI values increased as the volume of runoff capture by the system increased (Figure 4.30). The largest percent change in ERI ($\Delta\text{ERI}=23.01\%$) was observed between the baseline scenario and scenario 11 for the 30.5-mm (1.2-inch) design storm (Table B.8). The daily rate of erosion for scenario 11 during the smallest design storm was 95 kg/km²/d (0.85 lbs/ac/d), which is significantly less than the maximum

allowable rate of erosion at 6569 kg/km²/d (58.6 lbs/ac/d). The large value of percent change in ERI may be because scenario 11 had the largest volume of runoff capture among this group of land management scenarios, with 100% of runoff capture by bioretention cells. This indicates that higher erosion regulation may occur with greater bioretention cell implementation. A decline in the percent change of ERI was observed as the size of the design storm increased. This pattern indicates that bioretention cells are more effective at treating runoff from smaller storms, and may be overwhelmed with processing the larger volumes of runoff associated with more significant design storms.

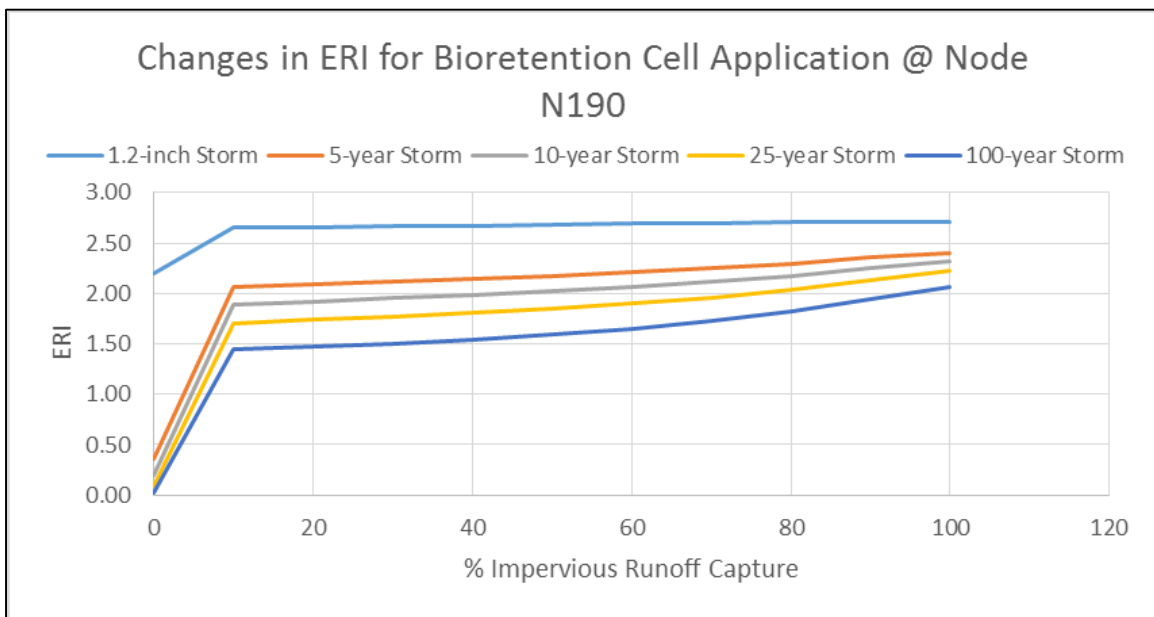


Figure 4.30 Changes in ERI at Node N190 with bioretention cell application.

Land management scenarios with green roof implementation were compared to the baseline land management scenario to assess the impact of green roof implementation on erosion regulation services. Generally ERI values and the percent change in ERI compared to the baseline increased slightly as the volume of runoff capture by the green roof system increased (Figure 4.31). The largest percent change in ERI ($\Delta\text{ERI}=3.24\%$) was observed between scenario 21 and the baseline scenario for the 30.5-mm (1.2-inch) design storm (Table B.7; Table B.8).

The daily rate of erosion for scenario 21 was 1177 kg/km²/d (10.5 lbs/ac/d), which is less than the maximum allowable rate of erosion. The large value of percent change in ERI may be because scenario 21 had the largest volume of runoff capture among this group of land management scenarios, with 20% of runoff capture by green roofs. Though the percent change in ERI is quite small, this result still indicates that there may be an association between the slight increase in percent change of ERI and a higher green roof density.

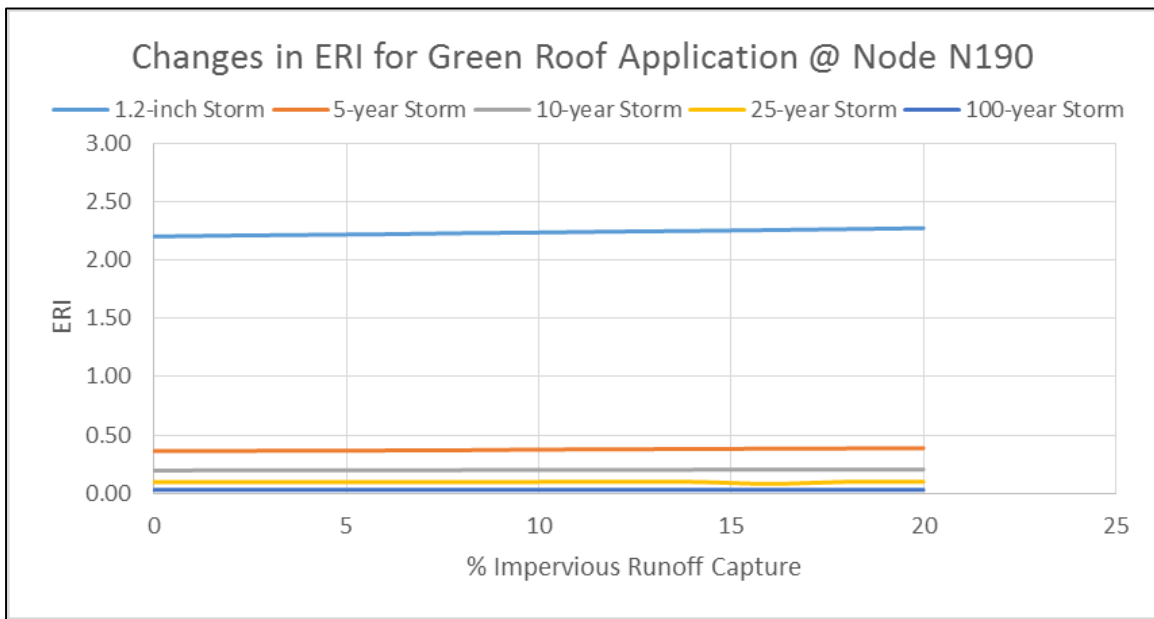


Figure 4.31 Changes in ERI at Node N190 with green roof application.

The rain barrel land management scenarios were compared to the baseline land management scenario to understand the effect of rain barrels on erosion regulation services. This group of land management scenarios produced similar results as the green roof land management scenarios with ERI values and the percent change of ERI increasing as the volume of runoff capture in each scenario increased (Figure 4.32). Comparison between the baseline land management scenario and scenario 31 resulted in the largest percent change of ERI among the group, with $\Delta\text{ERI}=4.42\%$ during a 30.5-mm (1.2-inch) design storm (Table B.8). The daily rate of erosion for scenario 31 was 1177 kg/km²/d (10.5 lbs/ac/d), which is less than the maximum

allowable rate of erosion. This result is likely because scenario 31 had the highest rain barrel implementation, with 20% of runoff capture occurring. This indicates that the slight increase in ERI may be due to the higher implementation density of rain barrels.

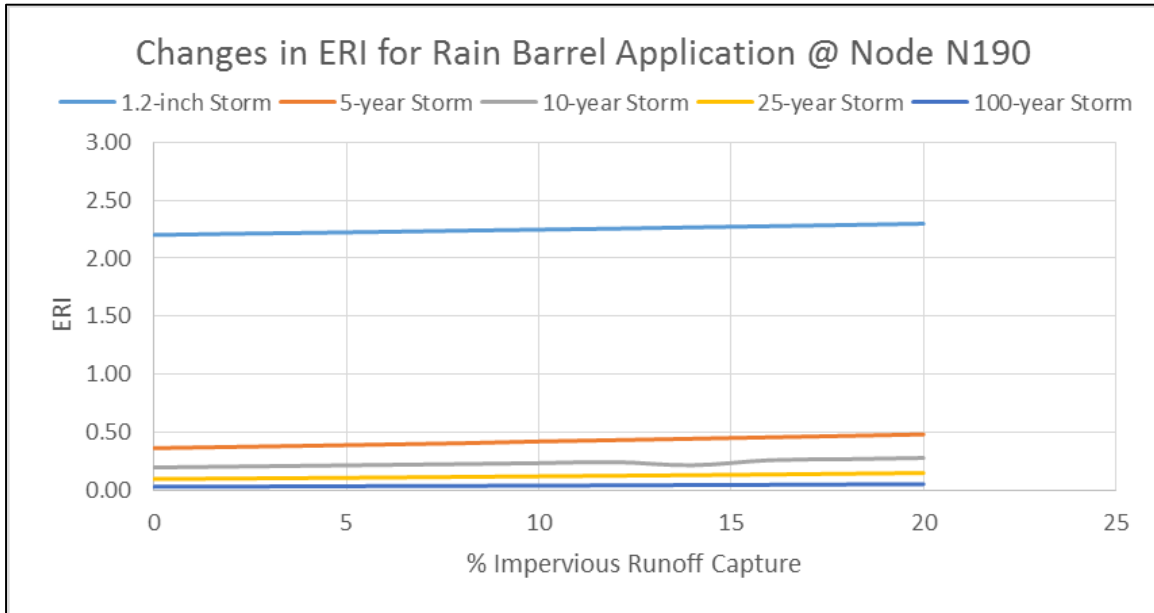


Figure 4.32 Changes in ERI at Node N190 with rain barrel application.

The land management scenarios with combination green roof and rain barrel implementation were compared against the baseline land management scenario to assess the impact of these two BMPs together on erosion regulation services. This group of scenarios exhibited similar behavior as the all green roof and all rain barrel land management scenarios, with ERI values and percent change in ERI increasing as the volume of runoff capture increased (Figure 4.33). Scenario 40 (12% green roof capture, 6% rain barrel capture) had the largest percent change in ERI when compared to the baseline land management scenario with $\Delta\text{ERI}=3.24\%$ during a 30.5-mm (1.2-inch) design storm (Table B.7; Table B.8). The daily rate of erosion for scenario 40 was 1177 kg/km²/d (10.5 lbs/ac/d), which is less than the maximum allowable rate of erosion. Scenario 40 had the highest percentage of runoff capture among this

group of scenarios, indicating that the slight increase in ERI may be associated with higher densities of BMP application.

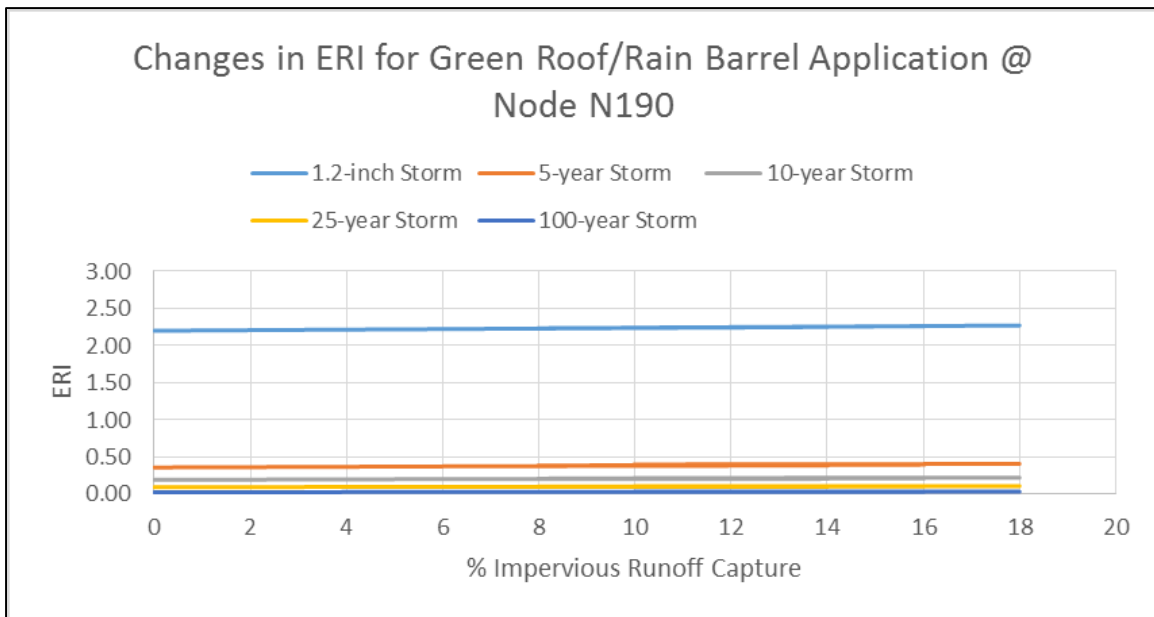


Figure 4.33 Changes in ERI at Node N190 with combination green roof/rain barrel application.

The combination bioretention cell and green roof land management scenarios were compared against the baseline land management scenario to assess the impact of these two BMPs on erosion regulation services. There was a slight increase in values of ERI and in the percent change of ERI as the volume of runoff capture by the system increased (Figure 4.34). Scenario 44 (40% bioretention cell capture, 8% green roof capture) exhibited the largest percent change in ERI when compared with the baseline scenario, with $\Delta\text{ERI}=21.70\%$ for a 30.5-mm (1.2-inch) design storm (Table B.7; Table B.8). The daily rate of erosion for scenario 44 during the smallest design storm was $95 \text{ kg/km}^2/\text{d}$ (0.85 lbs/ac/d), which is significantly less than the maximum allowable rate of erosion at $6569 \text{ kg/km}^2/\text{d}$ (58.6 lbs/ac/d). Similar to previous results, this pattern indicates that higher erosion regulation provision may be associated with increased application of BMP implementation. The percent change of ERI decreased as the size of the

design storm increased, which may be an indication of system decline in the ability to process and treat larger volumes of runoff. This is understandable, however, since the bioretention cell and green roof for this model were designed to effectively treat runoff from 4047-m² (1-acre) of impervious area during a 30.5-mm (1.2-inch) design storm.

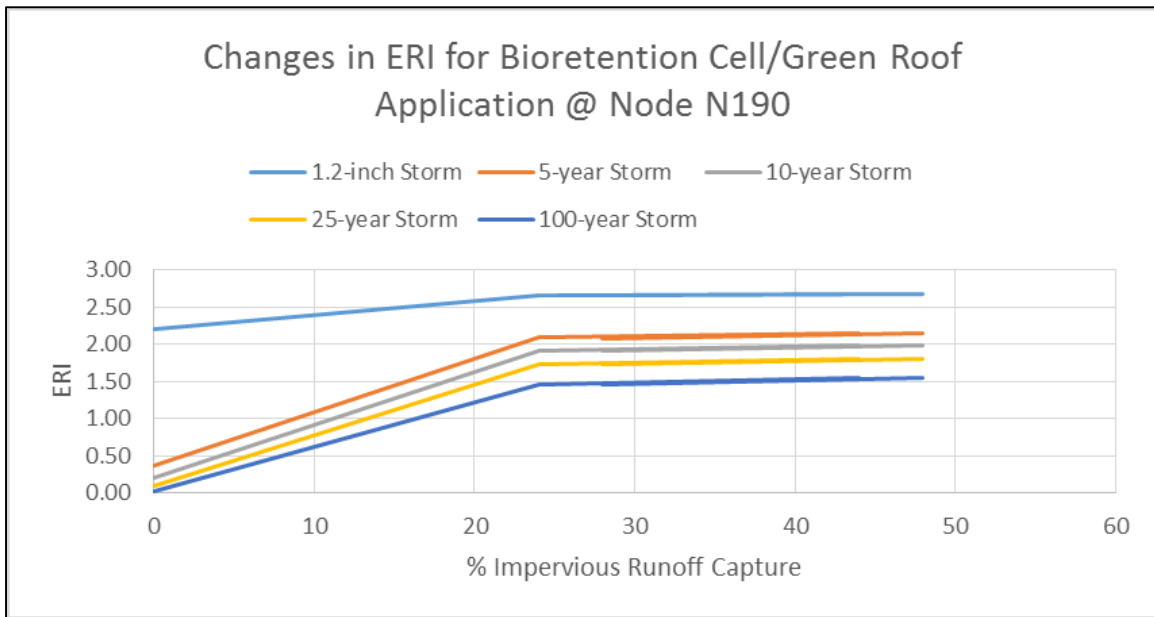


Figure 4.34 Changes in ERI at Node N190 with combination bioretention cell/green roof application.

The baseline land management scenario was compared against the combination bioretention cell, green roof, and rain barrel land management scenario to understand the impact of these BMPs on erosion regulation services. Similar to other land management scenarios containing bioretention cells, this group exhibited a general increase in ERI values and in the percent change of ERI as the volume of runoff capture by the system increased (Figure 4.35). Scenario 56 demonstrated the highest percent increase of ERI when compared to the baseline scenario with $\Delta\text{ERI}=21.91\%$ during a 30.5-mm (1.2-inch) design storm (Table B.7; Table B.8). Scenario 56 had the highest application of BMPs among this group of scenarios, with 40% bioretention cell implementation, 8% green roof implementation, and 6% rain barrel

implementation. This result indicates that a general increase in erosion regulation services may be associated with higher densities of BMP application. Another trend observed among this group was that the percent change in ERI declined from 30.5-mm (1.2-inch) design storm to the 100-year design storm. This result may indicate that the system was overwhelmed by larger volumes of runoff associated with more significant design storms, and therefore the BMPs in the system were unable to effectively treat runoff to the same level of efficiency.

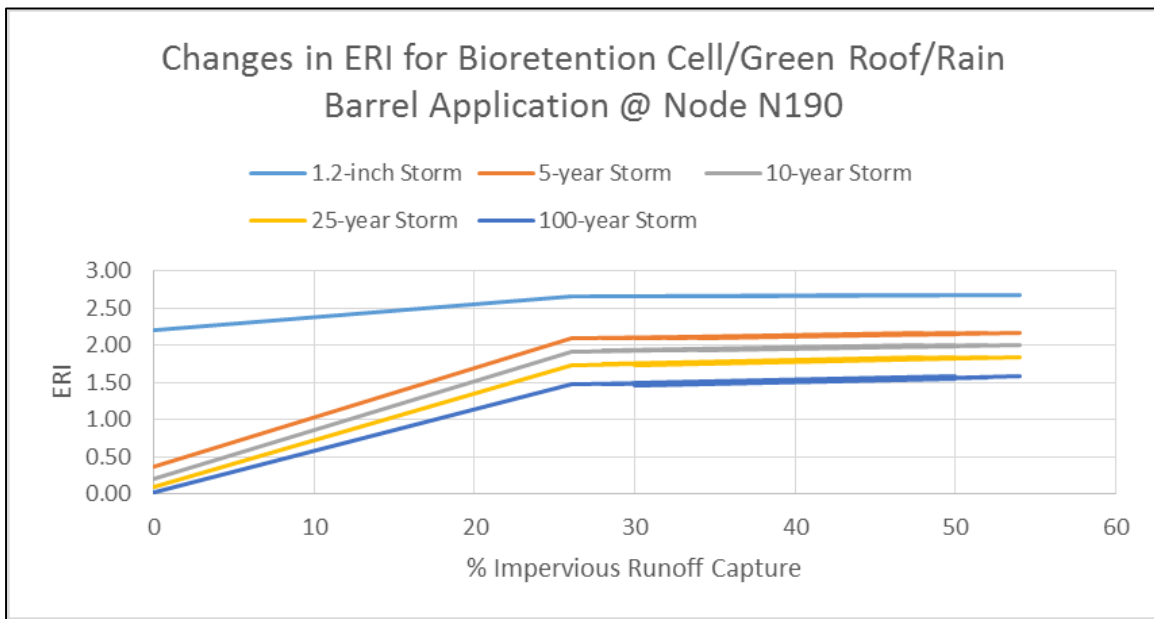


Figure 4.35 Changes in ERI at Node N190 with combination bioretention cell/green roof/rain barrel application.

4.2.1.5 FRI Provision at Node N154-28 on Cowskin Creek

The flood regulation index (FRI) for group of land management scenarios selected at random (scenarios 1, 2, 5, 12, 15, 22, 25, 33, 42, and 47) was calculated and compared against the baseline land management scenario to assess the impact of targeted BMP implementation on FRI. The magnitude, duration, and occurrence of flood events for each land management scenario across the five design storms was recorded and used to calculate the FRI value. A general increase in values of FRI was observed as the volume of runoff capture increased among

the land management scenarios; however, scenarios containing bioretention cells produced higher values of FRI than those without (Figure 4.36). The largest percent change in values of FRI was observed between the baseline land management scenario and scenario 5 (40% bioretention cell application) with $\Delta FRI=0.458\%$ (Table B.9). However, none of the values of FRI were observed to be greater than or equal to one, which would be an indication of excellent flood regulation services.

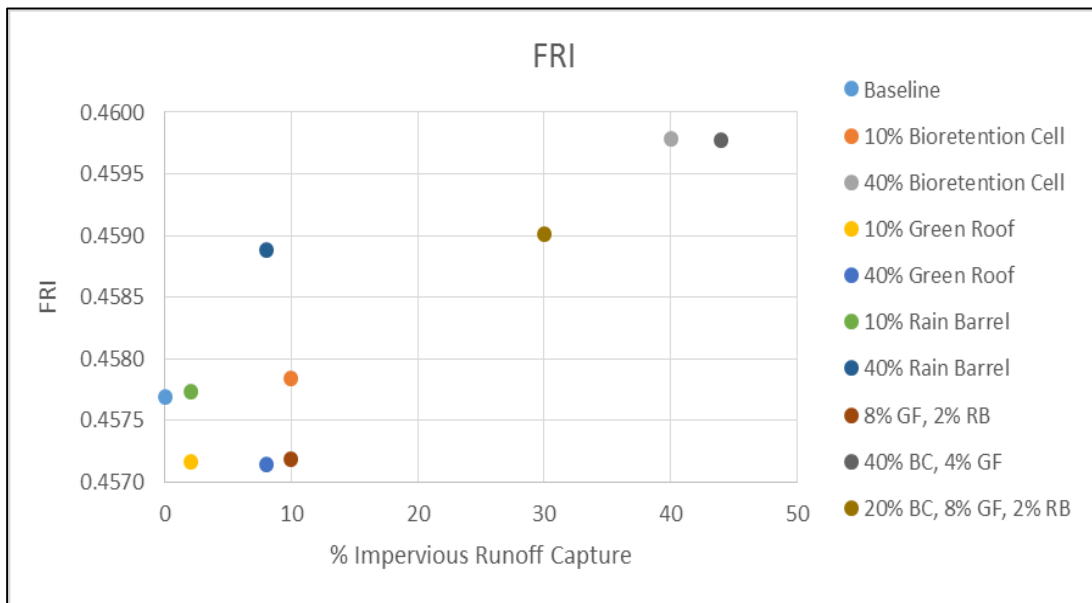


Figure 4.36 Changes in FRI with varying scenarios of land management.

4.2.2 Statistical Analysis

Fresh water provision index data (FWPI) and erosion regulation index (ERI) data from two locations in the model were obtained for statistical analysis. The first location was at the outfall node of the entire model along the Arkansas River downstream of the City of Wichita, and the second location was at node N190, which is along Cowskin Creek just downstream from the targeted BMP implementation site. FWPI and ERI data from this experiment was analyzed

using a generalized linear model with randomized complete block design. This method divided the experimental units in homogenous groups, or blocks, with treatments applied to each block. The design storms used in the model simulation (1.2-inch, 5-year, 10-year, 25-year, and 100-year) were grouped together as a block and each of the individual land management scenarios were the treatments applied to each block. The research question that this statistical analysis aimed to answer was: Is there a significant difference in mean values of FWPI and ERI between treatments at the two monitoring locations?

4.2.2.1 FWPI Analysis at the Outfall Node

The FWPI data at the outfall node was adjusted in the generalized linear model with a beta distribution and evaluated using the Tukey-Kramer method for all pairwise comparisons. Each pairwise comparison was analyzed at a Type I error rate of 5% with the null hypothesis, $H_0) \mu_1 = \mu_2 = \dots = \mu_{56}$, and the alternative hypothesis, $H_1) \mu_1 \neq \mu_2 \neq \dots \neq \mu_{56}$. The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5%, and therefore there was not sufficient evidence to conclude that a significant difference exists among mean values of FWPI at the outfall node between land management scenarios (Figure 4.37).

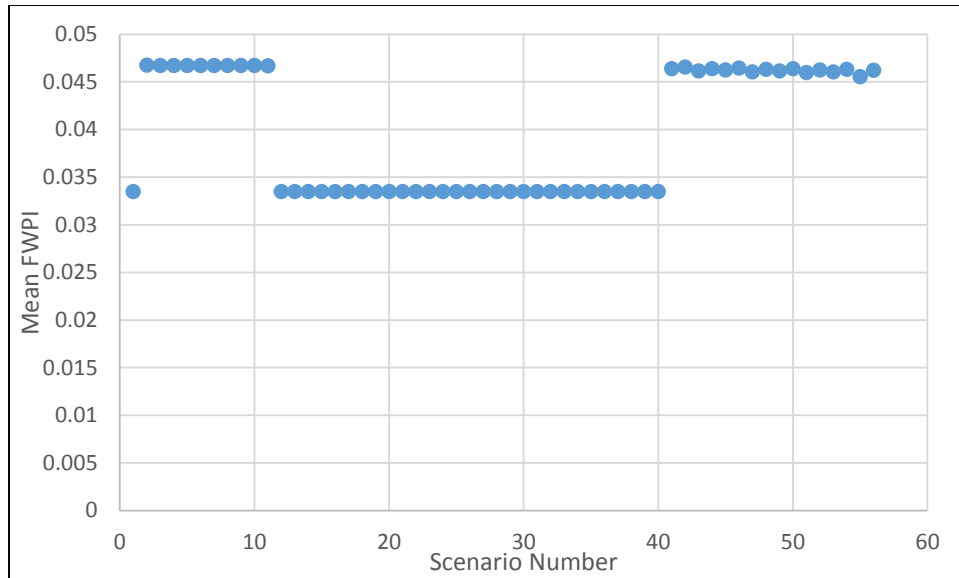


Figure 4.37 Mean values of FWPI at the outfall node.

4.2.2.2 ERI Analysis at the Outfall Node

The ERI data at the outfall node was adjusted in the generalized linear model with a gamma distribution and evaluated using the Tukey-Kramer method for all pairwise comparisons. Each pairwise comparison was analyzed at a Type I error rate of 5% with the null hypothesis, $H_0) \mu_1=\mu_2=\dots=\mu_{56}$, and the alternative hypothesis, $H_1) \mu_1\neq\mu_2\neq\dots\neq\mu_{56}$. The following results were obtained from this analysis (Figure 4.38):

- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 1, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, and 40 (hereby referred to as *Group 1*). Therefore there was not sufficient evidence to suggest that mean values of ERI at the outfall node are significantly different between land management scenarios.

- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, and 56 (hereby referred to as *Group 2*). Therefore there was not sufficient evidence to suggest that mean values of ERI at the outfall node are significantly different between land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing the scenarios between those in Group 1 and those in Group 2. There was, therefore, sufficient evidence to suggest that mean values of ERI at the outfall node are significantly different between land management scenarios in these two groups.

These findings indicate that there was not a significant difference among the mean values of ERI at the outfall node between the baseline condition, all green roof application, all rain barrel application, and all combination green roof/rain barrel application scenarios. There was also not a significant difference in the mean values of ERI at the outfall node between all of the bioretention cell application, all combination bioretention/green roof application, and all of the combination bioretention/green roof/rain barrel application scenarios. There was a significant difference, however, among the mean values of ERI at the outfall node when comparing any scenario containing a bioretention cell to the baseline condition, all green roof application, all rain barrel application, and all combination green roof/rain barrel application scenarios.

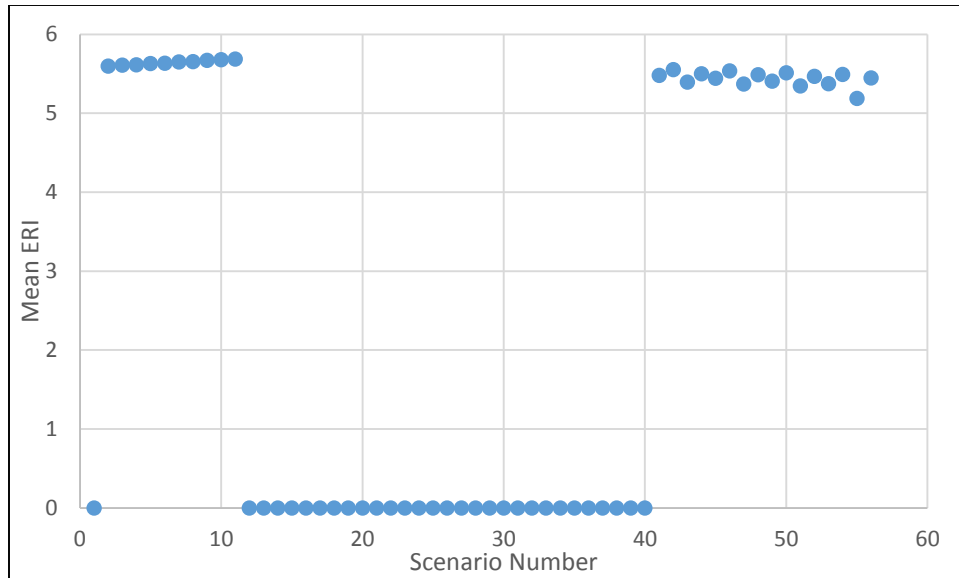


Figure 4.38 Mean values of ERI at the outfall node.

4.2.2.3 FWPI Analysis at Node N190

The FWPI data at node N190 was adjusted in the generalized linear model with a gamma distribution and evaluated using the Tukey-Kramer method for all pairwise comparisons. Each pairwise comparison was analyzed at a Type I error rate of 5% with the null hypothesis, $H_0) \mu_1=\mu_2=\dots=\mu_{56}$, and the alternative hypothesis, $H_1) \mu_1\neq\mu_2\neq\dots\neq\mu_{56}$. The following results were obtained (Figure 4.39):

- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 1, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, and 40 (hereby referred to as *Group 3*). Therefore, there was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 3 land management scenarios.

- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 2, 3, 4, 5, 41, 42, 43, 45, 47, 49, 51, 53, and 55 (hereby referred to as *Group 4*). There was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 4 land management scenarios.
- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 3, 4, 5, 6, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 53, 54, and 55 (hereby referred to as *Group 5*). Therefore, there was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 5 land management scenarios.
- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 4, 5, 6, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, and 55 (hereby referred to as *Group 6*). There was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 6 land management scenarios.
- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 4, 5, 6, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, and 56 (hereby referred to as *Group 7*). Therefore, there was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 7 land management scenarios.

- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 5, 6, 7, 42, 44, 46, 48, 50, 52, 54, and 56 (hereby referred to as *Group 8*). There was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 8 land management scenarios.
- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 7, 8, and 56 (hereby referred to as *Group 9*). There was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 9 land management scenarios.
- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 8 and 9 (hereby referred to as *Group 10*). Therefore, there was not sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between these Group 10 land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing the scenarios between those in Group 3 to all other scenarios. There was, therefore, sufficient evidence to conclude upon a significant difference among the mean values of FWPI at node N190 between the Group 3 land management scenarios and all other scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenario 2 to scenarios 6, 7, 8, 9, 10, 11, 44, 46, 48, 50, 52, 54, and 56. There was sufficient evidence to conclude upon a

significant difference among mean values of FWPI at node N190 between the aforementioned land management scenarios.

- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenario 3 to scenarios 8, 9, 10, 11, 52, and 56. There was sufficient evidence to conclude upon a significant difference among mean values of FWPI at node N190 between the aforementioned land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenario 41 to scenarios 7, 8, 9, 10, 11, and 56. There was sufficient evidence to conclude upon a significant difference among mean values of FWPI between the aforementioned land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 4, 43, 45, 47, 49, 51, 53, and 55 to scenarios 7, 8, 9, 10, and 11. There was sufficient evidence to conclude upon a significant difference among mean values of FWPI between the aforementioned land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 5, 6, 42, 44, 46, 48, 50, 52, and 54 to scenarios 8, 9, 10, and 11. There was sufficient evidence to conclude upon a significant difference among mean values of FWPI between the aforementioned land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing the scenarios 7 and 56 to scenarios 9,

10, and 11. There was sufficient evidence to conclude upon a significant difference among mean values of FWPI between the aforementioned land management scenarios.

- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing the scenario 8 to scenarios 10 and 11. There was sufficient evidence to conclude upon a significant difference among mean values of FWPI between the aforementioned land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 9, 10, and 11. There was sufficient evidence to conclude upon a significant difference among mean values of FWPI between the aforementioned land management scenarios.

These findings indicate that there was not a significant difference among the mean values of FWPI at node N190 between the baseline, all green roof application, all rain barrel application, and all combination green roof/rain barrel application scenarios. A significant difference was found to exist among the mean values of FWPI at node N190 when comparing any scenario containing a bioretention cell to the baseline condition, all green roof application, all rain barrel application, and all combination green roof/rain barrel application scenarios. When comparing bioretention cell application scenarios (10%-60%), all combination bioretention cell/green roof application, and all bioretention/green roof/rain barrel application, no significant difference was found among the mean values of FWPI at node N190 between treatments. A significant difference was found to exist among the mean values of FWPI at node N190 when comparing all treatment scenarios to bioretention application scenarios ranging from 70-100%, and when comparing between bioretention application scenarios ranging from 70-100%.

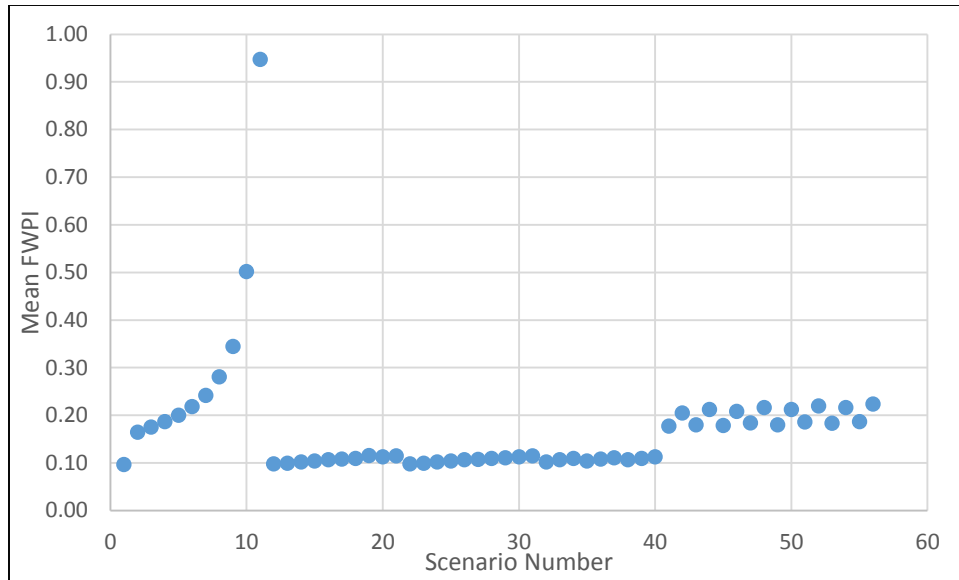


Figure 4.39 Mean values of FWPI at node N190.

4.2.2.4 ERI Analysis at Node N190

The ERI data at node N190 was adjusted in the generalized linear model with a gamma distribution and evaluated using the Tukey-Kramer method for all pairwise comparisons. Each pairwise comparison was analyzed at a Type I error rate of 5% with the null hypothesis, H_0) $\mu_1=\mu_2=\dots=\mu_{56}$, and the alternative hypothesis, H_1) $\mu_1\neq\mu_2\neq\dots\neq\mu_{56}$. Results of this analysis are summarized in the following (Figure 4.40):

- The statistical analysis failed to reject the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 1, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, and 40 (hereby referred to as *Group 11*). There was not sufficient evidence to conclude upon a significant difference among mean values of ERI at node N190 between these Group 11 land management scenarios.

- The statistical analysis failed the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing scenarios 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, and 56 (hereby referred to as *Group 12*). There was not sufficient evidence to conclude upon a significant difference among mean values of ERI at node N190 between these Group 12 land management scenarios.
- The statistical analysis rejected the null hypothesis in favor of the alternative hypothesis based on a Type I error rate of 5% when comparing the scenarios between those in Group 11 and those in Group 12. There was, therefore, sufficient evidence to conclude upon a significant difference among the mean values of ERI at node N190 between the land management scenarios in these two groups.

These findings indicate that there was not a significant difference among the mean values of ERI at node N190 between the baseline condition, all green roof application, all rain barrel application, and all combination green roof/rain barrel application scenarios. There was also not a significant difference in the mean values of ERI at node N190 between all of the bioretention cell application, all combination bioretention/green roof application, and all of the combination bioretention/green roof/rain barrel application scenarios. There was a significant difference, however, among the mean values of ERI at node N190 when comparing any scenario containing a bioretention cell to the baseline condition, all green roof application, all rain barrel application, and all combination green roof/rain barrel application scenarios.

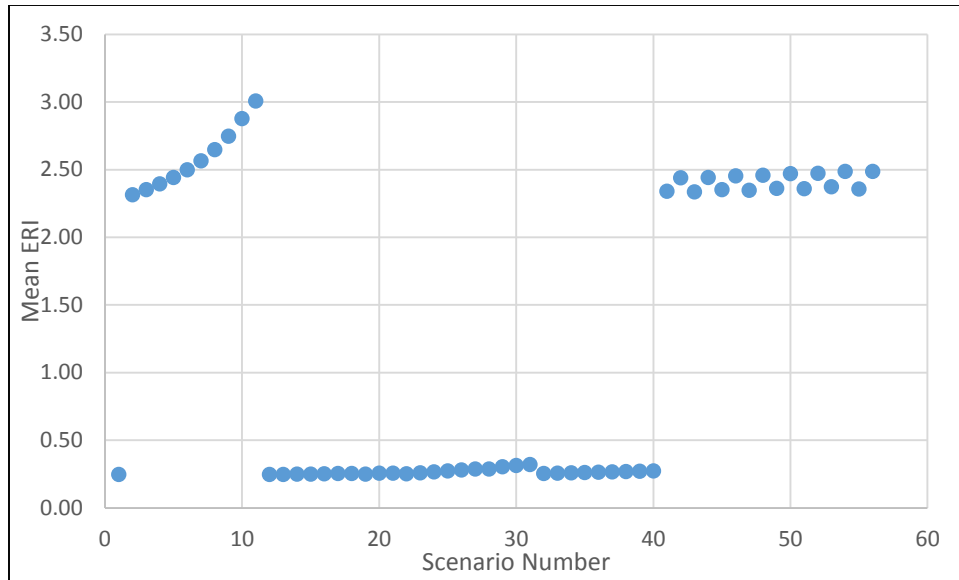


Figure 4.40 Mean values of ERI at node N190.

4.2.3 Discussion

Land management scenarios containing a bioretention cell produced the highest values of fresh water provision, erosion regulation, and flood regulation on average when compared to all other scenarios tested with the SWMM model. The bioretention cell not only provided detention storage, but treatment of total suspended solids, total nitrogen, and total phosphorus in the stormwater runoff. Green roofs and rain barrels did not provide any form of water quality treatment in the SWMM model, which likely contributed to lower ecosystem service indices for land management scenarios containing these BMPs.

Evaluation of fresh water provision at the outfall node indicated that there was not a significant difference in fresh water provision between any of the land management scenarios. None of the values of FWPI were calculated to be greater than or equal to one, indicating that there was poor fresh water provision at the outfall of the study area. This result implies that

targeted BMP implementation within the Cowskin Creek subwatershed did not improve fresh water provision throughout the overall study area.

Assessment of erosion regulation services at the outfall indicated significantly higher values in ERI for all land management scenarios containing a bioretention cell relative to those without. This indicates that improvement in erosion regulation services at the outfall of the study area was associated with the application of bioretention cells as a watershed management strategy. In addition, there was no significant difference in values of erosion regulation among land management scenarios containing bioretention cells. This means that, theoretically, a land management scenario containing 10% bioretention cell application will obtain the same erosion regulation provision as a land management scenario containing 100% bioretention cell application at the watershed scale examined. Lastly, values of erosion regulation were calculated to be greater than or equal to one for bioretention-based land management scenarios for the 30.5-mm (1.2-inch) design storm. This was an indication of excellent erosion regulation services because the annual erosion rate is less than the allowable erosion rate. The ERI value drops below one for larger design storms, indicating that the bioretention cell system may be unable to effectively treat the larger volumes of runoff associated with design storms of greater magnitude.

Changes in fresh water provision services at node N190 on Cowskin Creek were much more dramatic than changes observed at the outfall node. Ecosystem service provision generally increased as the percentage of runoff capture by the best management practices in each land management scenario increased. However, those land management scenarios containing bioretention cells demonstrated the greatest fresh water provision when compared to all other scenarios. There was no significant difference between the baseline scenario and those scenarios containing only green roofs and/or rain barrels. The fresh water provision index was observed to

be greater than one for 100% bioretention cell application, indicating excellent water quantity and water quality at the observation node during a 30.5-mm (1.2-inch) design storm. All other intensities of bioretention cell application provided significant improvement compared to the baseline land management scenario even though their values of FWPI were calculated to be less than one. Unlike the outfall node, a significant difference was found to exist comparing the values of FWPI between land management scenarios containing bioretention cells. However this is likely because node N190 is just downstream of the targeted BMP implementation area, so the effects of BMP application are amplified.

Evaluation of the changes in erosion regulation at node N190 on Cowskin Creek were also more apparent compared to the changes in erosion regulation observed at the model outfall. There was a significant difference between land management scenarios with bioretention cells and land management scenarios without, again indicating that the presence of a bioretention cell contributes to optimal ecosystem service provision. Differences in values of ERI at node N190 between the performance of the baseline land management scenario and those scenarios containing only green roofs and/or rain barrels were not significant. Land management scenarios containing bioretention cells consistently demonstrated ERI values greater than or equal to one for all design storm magnitudes, indicating excellent erosion regulation services at this observation location. The scenario with 100% bioretention cell application demonstrated the highest value of ERI among all of the land management scenarios.

Assessment of the changes in flood regulation at node N154-28 found that those land management scenarios with more intense BMP application had the highest FRI values, though the change in FRI values among scenarios compared to the baseline was negligible. Similar to the results obtained evaluating FWPI and ERI changes, land management scenarios containing a

bioretention cell exhibited the highest values of FRI. The largest percent change in FRI was 0.46%. None of the values of FRI were observed to be greater than or equal to one, indicating that the capacity of bioretention or other BMPs implemented in this study to reduce flooding was limited. An explanation for this result is that the SWMM model only predicted flooding to occur for design storms of greater magnitude, during which the hydrologic regulating functions of BMPs is diminished significantly.

Chapter 5 - Broader Impacts

Publications such as the Millennium Ecosystem Assessment and the EU 2020 Biodiversity Strategy were published in response to growing concern about the state of the environment. Human activity has made significant progress in providing the growing world population with necessary resources such as food, fuel, and fiber. Unfortunately these advancements have cost the world in terms of environmental health, since singularly focused management strategies aim to maximize a single ecosystem service rather than maintaining overall ecosystem service provision. Ecosystem health is determined by the range of various services that an ecosystem provides and is often characterized in terms of vigor, resilience, and organization (Costanza, 2012). Ecosystems that lack these characteristics, such as those that only provide a single ecosystem service, are not sustainable long-term.

The projected implications of climate change have sparked action to reduce human impact on the environment and build up healthy ecosystems. Ecosystems that lack characteristics such as vigor, resilience, and organization have proven to be unable to defend themselves from extreme events such as heat waves, flooding, and water scarcity/droughts (Berte & Panagopoulos, 2014). Many scientists have attributed the rising number and intensity of superstorms, such as Hurricanes Sandy and Katrina, along with the destruction they have left behind, to the inability of ecosystems to defend themselves against natural disasters. Climate change projections predict that there will be substantial changes in precipitation patterns around the world, with larger and more intense storm events becoming the norm. Municipalities will have to adapt their management strategies to the extremes – cities must have the capability to mitigate larger storm events to prevent flooding while also maintaining the ability to capture and retain water during periods of extended drought. Research that aims to understand the interactions

between ecosystem services and identifies preferential management strategies in response to a changing climate will be a key component in restoring ecosystem health around the world.

The overall goal of this research was to understand the role that holistic watershed management plays in the provision of ecosystem services. This research aimed to identify the types of ecosystem services provided by urban best management practices, as well as understand the extent to which targeted BMP implementation is necessary to achieve desirable quantities of ecosystem service provision. Lastly, this research intended to recognize if holistic watershed management across the rural-urban gradient could improve the provision of ecosystem services within the urban area. The outcome of this experiment will provide further insight into methods of successful management for the provision of fresh water, flood regulation, and erosion regulation. This knowledge will contribute towards building healthy urban ecosystems that possess the vigor, resilience, and organization to thrive in the changing climate.

This research experimented with three different types of urban best management practices within the study area. These urban BMPs were applied across a variety of scenarios as part of a targeted implementation program in a smaller sub-watershed within the greater study area. Bioretention cells were chosen to represent the function of infiltration-based urban BMPs. Green roofs and rain barrels were the remaining two urban BMPs chosen for simulation. Bioretention cells demonstrated excellent provision of fresh water and erosion regulation services immediately downstream from the implementation site on Cowskin Creek. Farther downstream at the outfall node, however, only erosion regulation services were apparent. The difference in ecosystem services demonstrated by bioretention cells at node N190 and the outfall node was likely due to the distance between locations and spatial disconnectivity. Bioretention cells did not provide any flood regulation services at either location.

Neither green roofs nor rain barrels demonstrated any fresh water, erosion regulation, or flood regulation provisioning services at either location. There did not appear to be any significant changes comparing the baseline land management scenario and scenarios implementing only these two types of BMPs. Rain barrels do not provide any sort of water quality treatment and that may account for their lack of ecosystem service provision in the model simulation. Current literature on the quantity of water quality treatment by green roofs is inconsistent, and therefore they were not designated for stormwater treatment in model simulations. It is important to note that both green roofs and rain barrels provide other types of ecosystem services that were not quantified in this experiment, so they should not be entirely discounted because of these conclusions. Some additional ecosystem services provided by green roofs include the addition of insulation to existing buildings to reduce heating/cooling costs, the reduction of building albedo to counteract the urban heat island effect, and the addition of green space that may be used as a recreational/cultural/spiritual service. Additional ecosystem service indices should be developed that quantify the supplementary services provided by urban best management practices.

The extent of ecosystem service provision diminished greatly from node N190 in Cowskin Creek downstream to the outfall node of the model along the Arkansas River. Along Cowskin Creek it was apparent that an increase in freshwater provision and erosion regulation services is associated with an increase in bioretention cells. However, at the outfall node, implementation of bioretention cells capturing 10% of runoff achieved the same quantity of erosion regulation services as bioretention cells capturing 100% of stormwater runoff. This is significant since there is much less space, time, and cost associated with constructing bioretention cells to treat 10% of impervious area versus 100% of impervious area. Thus it is

important to identify if there is difference between the location of ecosystem service provision (i.e. at the bioretention cell) and the beneficiary of the ecosystem service (i.e. at the outfall node) in future applications of bioretention cell installation so that watershed management goals are met.

The extent of ecosystem service provision diminished significantly as the size and magnitude of the storm event increased. Since each BMP was designed to successfully treat 100% of runoff from the 30.5-mm (1.2-inch) design storm, it is logical that each land management scenario exhibited the highest ecosystem service provision during this storm size. The amount of fresh water provision and erosion regulation decreased as the size of the design storm increased, with the worst performance for each scenario exhibited during the 100-year design storm. As municipalities aim to increase the resilience and autonomy of cities in response to a changing climate, a first step may be to increase the size of the design storm to a larger storm event. BMPs that are designed to successfully treat stormwater runoff from the 5-year or 10-year storm will be more successful in treating runoff associated with the 100-year storm event than the BMPs that were used in this experiment.

Holistic watershed management across the rural-urban gradient was somewhat successful in this experiment. Improvement in erosion regulation services were observed at all locations across the rural-urban gradient, though there was no noticeable change across the watershed in freshwater provision or flood regulation. Urban stormwater BMPs may need to be implemented on a larger scale than was tested in this experiment in order to achieve desired results in freshwater provision and flood regulation. It is, therefore, important to identify the types of ecosystem services and the location of beneficiaries in a management program before applying holistic watershed management. Increased research in the area of holistic watershed management

should identify whether this management strategy is beneficial in connecting the urban-rural environment to improve watershed-scale ecosystem health.

Future research in understanding the relationship between urban best management practices and ecosystem services should:

1. Identify the spatial relationships between ecosystem services to maintain ecosystem service provision throughout a watershed from the implementation site to the beneficiary.
2. What scale of targeted BMP implementation is necessary to achieve desired results in freshwater provision and flood regulation?
3. Expand analysis to other types of ecosystem services that were not able to be quantified in this modeling study.
4. Account for stream channel erosion occurring in natural channels within the watershed.
5. How does ecosystem service provision increase if BMPs are designed for larger storm events (instead of the City of Wichita's 30.5-mm design storm)? How does this change in design impact ecosystem service provision across all storm events?

It is important to note that these results did not take into account the performance of best management practices during a specific time of year. Simulations also assumed no antecedent moisture content. Modeling simulations that take into account climatic variations throughout the year as well as the effect of antecedent moisture content on the BMP-ecosystem service relationship could provide additional valuable information on the subject.

Bibliography

- Ahiablame, L. M., Engel, B. A., & Chaubey, I. (2012). Effectiveness of low impact development practices: Literature review and suggestions for future research. *Water Air Soil Pollution*, 223, 4253-4273.
- Appleton, A. F. (2002). *How New York City used an ecosystem services strategy carried out through an urban-rural partnership to preserve the pristine quality of its drinking water and save billions of dollars*. Tokyo.
- Bagstad, K. J., Semmens, D., Winthrop, R., Jaworski, D., & Larson, J. (2012). *Ecosystem services valuation to support decision making on public lands - a case study of the San Pedro River watershed, Arizona* (USGS Scientific Investigations Report No. 5251). Reston, Virginia: United States Geological Survey.
- Barco, J., Wong, K. M., & Stenstrom, M. K. (2008). Automatic calibration of the U.S. EPA SWMM model for a large urban catchment. *Journal of Hydraulic Engineering*, 134, 466-474.
- Baylis, K., Peplow, S., Rausser, G., & Simon, L. (2007). Agri-environmental policies in the EU and United States: A comparison. *Ecological Economics*, 65, 753-764.
- Becerra, T. A. (2010). *Muddying the waters: The failure of water restoration bureaucracies in Kansas*. Unpublished Doctor of Philosophy, Kansas State University, Manhattan, KS.
- Bennett, E. M., Peterson, G. D., & Gordon, L. J. (2009). Understanding relationships among multiple ecosystem services. *Ecology Letters*, 12(1394), 1404.
- Berghahe, R. D., Beattie, D., Jarrett, A. R., Thuring, C., Razaeei, F., & O'Connor, T. P. (2009). *Green roofs for stormwater runoff control*. Cincinnati, Ohio: Environmental Protection Agency.

- Berte, E., & Panagopoulos, T. (2014). Enhancing city resilience to climate change by means of ecosystem services improvement: A SWOT analysis for the City of Faro, Portugal. *International Journal of Urban Sustainable Development*, 6(2), 241-253.
- Borisova, T., Racevskis, L., & Kipp, J. (2012). Stakeholder analysis of a collaborative watershed management process: A Florida case study. *Journal of the American Water Resources Association*, 48(2), 277-296.
- Bullock, J. M., Aronson, J., Newton, A. C., Pywell, R. F., & Rey-Benayas, J. M. (2011). Restoration of ecosystem services and biodiversity: Conflicts and opportunities. *Trends in Ecology and Evolution*, 26(10), 541-549.
- Carpenter, S. R., Mooney, H. A., Agard, J., Capistrano, D., DeFries, R. S., Diaz, S., et al. (2009). Science for managing ecosystem services: Beyond the Millennium Ecosystem Assessment. *Proceedings of the National Academy of Sciences of the United States of America*, 106(5), 1305-1312.
- Chen, L., Yang, L., Wei, W., Wang, Z., Mo, B., & Cai, G. (2013). Towards sustainable integrated watershed ecosystem management: A case study in Dingxi on the Loess Plateau, China. *Environmental Management*, 51, 126-137.
- CHI Support. (2014). *Calibrating a SWMM5 model using the SRTC tool*. Retrieved July 13, 2015, from <http://support.chiwater.com/support/solutions/articles/29894-calibrating-a-swmm5-model-using-the-srtc-tool>
- City of Wichita Public Works & Utilities. (2010). *Stormwater manual*. Wichita, KS: City of Wichita.

- Claassen, R., Cattaneo, A., & Johansson, R. (2007). Cost-effective design of agri-environmental payment programs: U.S. experience in theory and practice. *Ecological Economics*, 65, 737-752.
- Colbond Inc. (2006). *EnkaRetain & drain 3111, technical data*. Global Plastic Sheeting.
- Costanza, R. (2012). Ecosystem health and ecological engineering. *Ecological Engineering*, 45, 24-29.
- Dolowitz, D., Keeley, M., & Medearis, D. (2012). Stormwater management: Can we learn from others? *Policy Studies*, 33(6), 501-521.
- Duram, L. A., Loftus, T., Adams, J., Lant, C. L., & Kraft, S. E. (2008). Assessing the US watershed management movement: National trends and an Illinois case study. *Water International*, 33(2), 231-242.
- Environmental Services Division. (2007). *Bioretention manual*. Prince George's County, Maryland: Department of Environmental Resources.
- ESRI. (2015). *What is GIS?* Retrieved 6/9, 2015, from <http://www.esri.com/what-is-gis/howgisworks>
- European Commission. (2011). *Our life insurance, our natural capital: An EU biodiversity strategy to 2020*. Brussels.
- Foley, J. A., DeFries, R., Asner, G. P., Barford, C., Bonan, G., Carpenter, S. R., et al. (2005). Global consequences of land use. *Science*, 309(5734), 570-574.
- Gomez-Baggethum, E., & Barton, D. N. (2013). Classifying and valuing ecosystem services for urban planning. *Ecological Economics*, 86, 235-245.

- Grêt-Regamey, A., Celio, E., Klein, T. M., & Hayek, U. W. (2013). Understanding ecosystem services trade-offs with interactive procedural modeling for sustainable urban planning. *Landscape and Urban Planning*, 109, 107-116.
- Grolleau, G., & McCann, L. M. J. (2012). Designing watershed programs to pay farmers for water quality services: Case studies of Munich and New York City. *Ecological Economics*, 76, 87-94.
- Hunt, W. F., & Lord, W. G. (2006). *Urban waterways: Bioretention performance, design, construction, and maintenance*. North Carolina: North Carolina Cooperative Extension Service.
- James, W., Rossman, L. E., & James, W. R. C. (2010). *User's guide to SWMM5* (13th ed.). Ontario, Canada: Computational Hydraulics International.
- Kansas Water Pollution Control Municipal Separate Storm Sewer System (MS4) Permit and Authorization to Discharge Under the National Pollutant Discharge Elimination System, Federal Permit No.:KS0091049U.S.C. (2014).
- Logsdon, R. A. (2011). Development of a quantification method for ecosystem services. (Master of Science in Engineering, Purdue University).
- Logsdon, R. A., & Chaubey, I. (2013). A quantitative approach to evaluating ecosystem services. *Ecological Modelling*, 257, 57-65.
- Maes, J., Paracchini, M. L., Zulian, G., Dunbar, M. B., & Alkemade, R. (2012). Synergies and trade-offs between ecosystem service supply, biodiversity, and habitat conservation status in Europe. *Biological Conservation*, 155, 1-12.

- McGarity, A. E. (2013). Watershed systems analysis for urban storm-water management to achieve water quality goals. *Journal of Water Resources Planning and Management*, 139(5), 464-477.
- Merriman, L., Wilson, C., Winston, R., & Hunt, W. (2013). Assessing the important of temporary storage volume occupied by emergent vegetation in constructed storm water wetlands. *Journal of Hydrologic Engineering*, 18(10), 1372-1376.
- Mid-America Regional Council and American Public Works Association. (2012). *Manual of best management practices for stormwater quality*
- Millennium Ecosystem Assessment. (2005). *Ecosystems and human well-being: Synthesis*. Washington, D.C.: Island Press.
- Mitsch, W. J. (2012). What is ecological engineering? *Ecological Engineering*, 45, 5-12.
- Nash, J. E., & Sutcliffe, J. V. (1970). River flow forecasting through conceptual models part I - a discussion of principles. *Journal of Hydrology*, 10, 282-290.
- Natural Capital Project. (2007). *Integrated valuation of ecosystem services and tradeoffs*. Retrieved 9/10, 2015, from <http://www.naturalcapitalproject.org/InVEST.html>
- Programs and Planning Division. (1999). *Low-impact development design strategies: An integrated design approach*. Prince George's County, Maryland: Department of Environmental Resources.
- Prokopy, L. S., Mullendore, N., Brasier, K., & Floress, K. (2014). A typology of catalyst events for collaborative watershed management in the United States. *Society & Natural Resources: An International Journal*, 27(11), 1177-1191.
- Rain Harvest Systems. (2015). *Graf carat S 5100 gallon modular cistern*. 2014, from <http://www.rainharvest.com/graf-carat-s-5100-gallon-modular-cistern.asp>

Rooflite Soil. *Rooflite certified green roof media, specifications: Rooflite extensive MCL*.

Rossman, L. (2011). *Conductivity slope parameter in LID soil layer and aquifer*. Retrieved June 10, 2015, from <https://www.openswmm.org/Topic/4312/conductivity-slope-parameter-in-lid-soil-layer-and-aquifer>

Rossman, L. A. (2010). *Storm water management model user's manual* (5th Ed.). Cincinnati, Ohio: United States Environmental Protection Agency.

Rusenieks, R., & Kamenders, A. (2013). Extensive green roof ecological benefits in Latvia. *Environmental and Climate Technologies 2013*,

Sands, K., & Chapman, T. (2003). *Rain barrels - truth or consequences*. Milwaukee, Wisconsin: Milwaukee Metropolitan Sewerage District.

Serna-Chavez, H. M., Schulp, C. J. E., van Bodegom, P. M., Bouten, W., Verburg, P. H., & Davidson, M. D. (2014). A quantitative framework for assessing spatial flows of ecosystem services. *Ecological Indicators*, 39, 24-33.

Tomer, M. D., & Locke, M. A. (2011). The challenge of documenting water quality benefits of conservation practices: A review of USDA-ARS's conservation effects assessment project watershed studies. *Water Science & Technology*, 64(1), 300-310.

U.S. Department of the Interior. (2015). *National land cover database 2006 (NLCD 2006) product legend*. 2015, from http://www.mrlc.gov/nlcd06_leg.php

USDA NRCS. (2015). *Geospatial data gateway*. Retrieved 2/12, 2015, from <https://gdg.sc.egov.usda.gov/>

USDA NRCS. (2015) *Small Watershed Hydrology WinTR-55 User Guide*. Retrieved November 1, 2015, from http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1042897.pdf

- Vaze, J., Teng, J., & Spencer, G. (2010). Impact of DEM accuracy and resolution on topographic indices. *Environmental Modelling & Software*, 25(10), 1086-1098.
- Vigerstol, K. L., & Aukema, J. E. (2011). A comparison of tools for modeling freshwater ecosystem services. *Journal of Environmental Management*, 92, 2403-2409.
- Villa, F. (2014). A methodology for adaptable and robust ecosystem services assessment. *Plos One*, 9(3)
- Vogel, J. R., Moore, T. L., Coffman, R. R., Rodie, S. N., Hutchinson, S. L., McDonough, K. R., et al. (2015). Critical review of technical questions facing low impact development and green infrastructure: A perspective from the Great Plains. *Water Environment Research*, 87(9), 849-862.
- Wu, J. Y., Thompson, J. R., Kolka, R. K., Franz, K. J., & Stewart, T. W. (2013). Using the storm water management model to predict urban headwater stream hydrological response to climate and land cover change. *Hydrology and Earth System Sciences*, 17, 4743-4758.
- Yan, H., & Edwards, F. G. (2013). Effects of land use change on hydrologic response at a watershed scale, Arkansas. *Journal of Hydrologic Engineering*, 18(12), 1779-1785.
- Zari, M. P. (2012). Ecosystem services analysis for the design of regenerative built environments. *Building Research & Information*, 40(1), 54-64.

Appendix A - Reference Tables

Table A.1 Subcatchment impervious factor values (U.S. Department of the Interior, 2015).

Land-Use Category	% Impervious	Impervious Factor
Developed, Open Space	<20%	0.1
Developed, Low Intensity	20-49%	0.35
Developed, Medium Intensity	50-79%	0.65
Developed, High Intensity	80-100%	0.9

Table A.2 Manning's N overland flow values.

Land-Use Category	Manning's N
Cultivated Crops	0.035
Deciduous Forest	0.1
Developed, Open Space	0.015
Developed, Low Intensity	0.015
Developed, Medium Intensity	0.012
Developed, High Intensity	0.012
Woody Wetlands	0.07
Open Water	0.015
Herbaceous	0.13
Hay/Pasture	0.035
Emergent Herbaceous Wetlands	0.05
Mixed Forest	0.1
Barren Land	0.03
Shrub/Scrub	0.06

Table A.3 Depression storage values.

General Land-Use Category	Land-Use Category	Depression Storage [mm (in)]
Impervious Surfaces	Open Space, Low Intensity, Medium Intensity, High Intensity (Impervious)	1.905 (0.075)
Lawns	Open Space, Low Intensity, Medium Intensity, High Intensity (Pervious)	3.81 (0.15)
Pasture	Cultivated Crops, Herbaceous, Hay/Pasture, Barren Land	5.08 (0.20)
Forest Litter	Deciduous Forest, Mixed Forest, Shrub/Scrub	7.62 (0.30)

Water	Open Water, Woody Wetlands, Emergent Herbaceous Wetlands	1.905 (0.075)
-------	--	---------------

Table A.4 Suction and porosity values.

Soil Texture Class	Suction [mm (in)]	Porosity (fraction)
Sand	49.02 (1.93)	0.437
Loamy Sand	60.96 (2.4)	0.437
Coarse(Sandy)-Loam	109.98 (4.33)	0.453
Loam	88.9 (3.5)	0.463
Silt Loam	169.93 (6.69)	0.501
Urban Land	219.96 (8.66)	0.398
Fine(Clay)-Loam	210.06 (8.27)	0.464
Silty Clay Loam	270 (10.63)	0.471
Sandy Clay (Loam)	240.03 (9.45)	0.430
Fine(Clay)-Silty	290.07 (11.42)	0.479
Fine(Clay)	320.04 (12.6)	0.475

Appendix B - Calculated Results

Table B.1 Values of FWPI at the outfall node on the Arkansas River.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1	0.3255	0.0281	0.0142	0.0141	0.0004
2	0.3494	0.0513	0.0365	0.0353	0.0202
3	0.3494	0.0513	0.0365	0.0352	0.0202
4	0.3494	0.0513	0.0365	0.0352	0.0202
5	0.3493	0.0513	0.0365	0.0352	0.0202
6	0.3493	0.0513	0.0365	0.0352	0.0202
7	0.3493	0.0513	0.0364	0.0352	0.0202
8	0.3493	0.0513	0.0364	0.0352	0.0202
9	0.3493	0.0512	0.0364	0.0352	0.0202
10	0.3493	0.0512	0.0364	0.0352	0.0202
11	0.3493	0.0512	0.0364	0.0352	0.0202
12	0.3255	0.0281	0.0142	0.0141	0.0004
13	0.3255	0.0281	0.0142	0.0141	0.0004
14	0.3255	0.0281	0.0142	0.0141	0.0004
15	0.3255	0.0281	0.0142	0.0141	0.0004
16	0.3255	0.0281	0.0142	0.0141	0.0004
17	0.3255	0.0281	0.0142	0.0141	0.0004
18	0.3255	0.0281	0.0142	0.0141	0.0004
19	0.3255	0.0281	0.0142	0.0143	0.0004
20	0.3255	0.0281	0.0142	0.0141	0.0004
21	0.3255	0.0281	0.0142	0.0141	0.0004
22	0.3255	0.0281	0.0142	0.0141	0.0004
23	0.3255	0.0281	0.0142	0.0141	0.0004
24	0.3255	0.0281	0.0142	0.0141	0.0004
25	0.3255	0.0281	0.0142	0.0141	0.0004
26	0.3255	0.0281	0.0142	0.0141	0.0004
27	0.3255	0.0281	0.0142	0.0141	0.0004
28	0.3255	0.0281	0.0142	0.0141	0.0004
29	0.3255	0.0281	0.0142	0.0141	0.0004
30	0.3255	0.0281	0.0142	0.0141	0.0004
31	0.3255	0.0281	0.0142	0.0141	0.0004
32	0.3255	0.0281	0.0142	0.0141	0.0004
33	0.3255	0.0281	0.0142	0.0141	0.0004
34	0.3255	0.0281	0.0142	0.0141	0.0004
35	0.3255	0.0281	0.0142	0.0141	0.0004
36	0.3255	0.0281	0.0142	0.0141	0.0004
37	0.3255	0.0281	0.0142	0.0141	0.0004
38	0.3255	0.0281	0.0142	0.0141	0.0004
39	0.3255	0.0281	0.0142	0.0141	0.0004

40	0.3255	0.0281	0.0142	0.0141	0.0004
41	0.3489	0.0507	0.0359	0.0347	0.0197
42	0.3491	0.0510	0.0362	0.0349	0.0199
43	0.3486	0.0503	0.0355	0.0343	0.0193
44	0.3489	0.0507	0.0359	0.0347	0.0197
45	0.3487	0.0505	0.0357	0.0345	0.0195
46	0.3490	0.0508	0.0360	0.0348	0.0198
47	0.3485	0.0502	0.0354	0.0342	0.0191
48	0.3488	0.0506	0.0358	0.0346	0.0196
49	0.3486	0.0503	0.0355	0.0343	0.0193
50	0.3489	0.0507	0.0359	0.0347	0.0197
51	0.3483	0.0501	0.0353	0.0340	0.0190
52	0.3487	0.0505	0.0357	0.0345	0.0195
53	0.3485	0.0502	0.0354	0.0342	0.0191
54	0.3488	0.0506	0.0358	0.0346	0.0195
55	0.3478	0.0494	0.0346	0.0334	0.0183
56	0.3487	0.0505	0.0357	0.0344	0.0194

Table B.2 Percent change in values of FWPI at the outfall node on the Arkansas River.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1					
2	7.3210	82.2549	156.1389	150.4150	5487.3817
3	7.3169	82.2304	156.0971	150.3809	5486.4244
4	7.3127	82.2066	156.0554	150.3467	5485.4727
5	7.3118	82.1828	156.0132	150.3116	5484.4881
6	7.3053	82.1730	155.9694	150.2767	5483.4850
7	7.3013	82.1517	155.9274	150.2406	5482.4954
8	7.2980	82.1318	155.8846	150.2057	5481.4874
9	7.2956	82.1130	155.8453	150.1694	5480.4759
10	7.2923	82.1087	155.8285	150.1486	5479.7001
11	7.2906	82.0674	155.7540	150.0940	5478.3697
12	-0.0007	0.0000	0.0000	0.0001	0.0011
13	-0.0007	0.0000	0.0001	0.0001	0.0021
14	-0.0015	0.0000	0.0001	0.0001	0.0032
15	-0.0015	0.0001	0.0001	0.0002	0.0042
16	-0.0022	0.0002	0.0002	0.0002	0.0052
17	-0.0022	0.0002	0.0002	0.0002	0.0064
18	-0.0030	0.0002	0.0002	0.0003	0.0074
19	-0.0030	0.0002	0.0003	1.2911	0.0085
20	-0.0037	0.0002	0.0003	0.0003	0.0096
21	-0.0037	0.0002	0.0003	0.0004	0.0106
22	-0.0007	-0.0002	-0.0003	-0.0002	-0.0059
23	-0.0015	-0.0004	-0.0006	-0.0005	-0.0121

24	-0.0022	-0.0008	-0.0009	-0.0008	-0.0180
25	-0.0030	-0.0010	-0.0012	-0.0010	-0.0240
26	-0.0037	-0.0012	-0.0015	-0.0012	-0.0301
27	-0.0022	-0.0014	-0.0018	-0.0015	-0.0360
28	-0.0045	-0.0018	-0.0021	-0.0017	-0.0420
29	-0.0052	-0.0020	-0.0023	-0.0020	-0.0482
30	-0.0059	-0.0022	-0.0027	-0.0022	-0.0540
31	-0.0067	-0.0024	-0.0030	-0.0025	-0.0601
32	-0.0015	-0.0002	-0.0002	-0.0002	-0.0038
33	-0.0022	-0.0002	-0.0002	-0.0001	-0.0017
34	-0.0030	-0.0002	-0.0001	0.0000	0.0004
35	-0.0022	-0.0004	-0.0005	-0.0004	-0.0098
36	-0.0030	-0.0004	-0.0005	-0.0003	-0.0076
37	-0.0037	-0.0004	-0.0004	-0.0003	-0.0056
38	-0.0030	-0.0006	-0.0008	-0.0007	-0.0159
39	-0.0037	-0.0006	-0.0007	-0.0006	-0.0138
40	-0.0045	-0.0006	-0.0007	-0.0005	-0.0115
41	7.1750	80.2656	152.2140	146.4689	5335.7893
42	7.2310	81.1130	153.8781	148.1605	5401.6453
43	7.0767	78.9111	149.5300	143.7671	5231.8505
44	7.1667	80.2310	152.1359	146.4067	5334.1168
45	7.1212	79.5207	150.7429	144.9870	5278.7688
46	7.1968	80.6432	152.9488	147.2245	5365.6079
47	7.0382	78.3692	148.4595	142.6894	5190.4377
48	7.1382	79.8391	151.3607	145.6260	5304.0927
49	7.0764	78.8887	149.4942	143.7296	5230.4409
50	7.1657	80.2148	152.1001	146.3695	5332.7090
51	7.0041	77.8982	147.5292	141.7534	5154.4719
52	7.1120	79.4791	150.6485	144.9088	5276.5447
53	7.0372	78.3473	148.4249	142.6534	5189.0668
54	7.1372	79.8228	151.3250	145.5888	5302.6847
55	6.8293	75.4601	142.7200	136.9179	4968.7028
56	7.1017	79.3323	150.3596	144.6172	5265.3673

Table B.3 Values of ERI at the outfall node on the Arkansas River.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1	0.2515	1.13E-07	2.57E-09	1.41E-11	1.89E-15
2	1.9671	2.42E-01	1.44E-01	7.09E-02	2.09E-02
3	1.9676	2.43E-01	1.44E-01	7.10E-02	2.10E-02
4	1.9683	2.43E-01	1.44E-01	7.11E-02	2.10E-02
5	1.9688	2.44E-01	1.44E-01	7.12E-02	2.11E-02
6	1.9693	2.44E-01	1.44E-01	7.13E-02	2.11E-02
7	1.9698	2.44E-01	1.45E-01	7.15E-02	2.12E-02

8	1.9702	2.45E-01	1.45E-01	7.16E-02	2.12E-02
9	1.9706	2.45E-01	1.45E-01	7.17E-02	2.13E-02
10	1.9709	2.46E-01	1.46E-01	7.19E-02	2.13E-02
11	1.9711	2.46E-01	1.46E-01	7.19E-02	2.13E-02
12	0.2515	1.13E-07	2.57E-09	1.41E-11	1.89E-15
13	0.2516	1.13E-07	2.57E-09	1.41E-11	1.84E-15
14	0.2517	1.13E-07	2.57E-09	1.41E-11	1.84E-15
15	0.2518	1.13E-07	2.57E-09	1.41E-11	1.84E-15
16	0.2518	1.13E-07	2.56E-09	1.41E-11	1.84E-15
17	0.2518	1.13E-07	2.56E-09	1.41E-11	1.84E-15
18	0.2519	1.13E-07	2.56E-09	1.41E-11	1.84E-15
19	0.2519	1.13E-07	2.56E-09	3.83E-12	1.84E-15
20	0.2520	1.13E-07	2.56E-09	1.41E-11	1.84E-15
21	0.2521	1.13E-07	2.56E-09	1.41E-11	1.84E-15
22	0.2516	1.13E-07	2.58E-09	1.42E-11	1.89E-15
23	0.2517	1.14E-07	2.59E-09	1.43E-11	1.89E-15
24	0.2518	1.14E-07	2.60E-09	1.44E-11	1.89E-15
25	0.2519	1.14E-07	2.61E-09	1.45E-11	1.94E-15
26	0.2521	1.15E-07	2.62E-09	1.46E-11	1.94E-15
27	0.2521	1.15E-07	2.64E-09	1.46E-11	1.94E-15
28	0.2522	1.16E-07	2.65E-09	1.47E-11	2.00E-15
29	0.2524	1.16E-07	2.66E-09	1.48E-11	2.00E-15
30	0.2524	1.17E-07	2.67E-09	1.49E-11	2.00E-15
31	0.2525	1.17E-07	2.68E-09	1.50E-11	2.00E-15
32	0.2517	1.13E-07	2.57E-09	1.42E-11	1.89E-15
33	0.2518	1.13E-07	2.57E-09	1.42E-11	1.89E-15
34	0.2519	1.13E-07	2.57E-09	1.42E-11	1.89E-15
35	0.2518	1.13E-07	2.59E-09	1.43E-11	1.89E-15
36	0.2519	1.13E-07	2.58E-09	1.43E-11	1.89E-15
37	0.2521	1.13E-07	2.58E-09	1.43E-11	1.89E-15
38	0.2519	1.14E-07	2.60E-09	1.44E-11	1.89E-15
39	0.2521	1.14E-07	2.60E-09	1.44E-11	1.89E-15
40	0.2521	1.14E-07	2.60E-09	1.44E-11	1.89E-15
41	1.9603	2.40E-01	1.42E-01	6.97E-02	2.04E-02
42	1.9649	2.42E-01	1.43E-01	7.05E-02	2.07E-02
43	1.9551	2.38E-01	1.40E-01	6.87E-02	2.00E-02
44	1.9615	2.40E-01	1.42E-01	6.99E-02	2.04E-02
45	1.9576	2.39E-01	1.41E-01	6.92E-02	2.02E-02
46	1.9631	2.41E-01	1.43E-01	7.02E-02	2.06E-02
47	1.9530	2.37E-01	1.40E-01	6.84E-02	1.99E-02
48	1.9601	2.40E-01	1.42E-01	6.97E-02	2.04E-02
49	1.9552	2.38E-01	1.41E-01	6.88E-02	2.00E-02
50	1.9616	2.41E-01	1.42E-01	7.00E-02	2.05E-02
51	1.9513	2.37E-01	1.40E-01	6.82E-02	1.97E-02
52	1.9588	2.40E-01	1.42E-01	6.95E-02	2.03E-02

53	1.9532	2.38E-01	1.40E-01	6.85E-02	1.99E-02
54	1.9602	2.40E-01	1.42E-01	6.98E-02	2.04E-02
55	1.9413	2.33E-01	1.37E-01	6.65E-02	1.90E-02
56	1.9577	2.39E-01	1.41E-01	6.94E-02	2.02E-02

Table B.4 Percent change in values of ERI at the outfall node along the Arkansas River.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1					
2	682.08	2.15E+08	5.60E+09	5.02E+11	1.11E+15
3	682.30	2.15E+08	5.61E+09	5.02E+11	1.11E+15
4	682.54	2.16E+08	5.61E+09	5.03E+11	1.11E+15
5	682.75	2.16E+08	5.62E+09	5.04E+11	1.12E+15
6	682.96	2.16E+08	5.63E+09	5.05E+11	1.12E+15
7	683.15	2.17E+08	5.64E+09	5.06E+11	1.12E+15
8	683.30	2.17E+08	5.65E+09	5.07E+11	1.12E+15
9	683.47	2.18E+08	5.66E+09	5.07E+11	1.13E+15
10	683.59	2.18E+08	5.67E+09	5.08E+11	1.13E+15
11	683.65	2.18E+08	5.68E+09	5.09E+11	1.13E+15
12	0.01	1.37E-02	5.51E-03	1.19E-02	1.52E-02
13	0.05	2.18E-02	1.87E-02	2.11E-02	-2.82E+00
14	0.06	3.32E-02	2.27E-02	3.24E-02	-2.80E+00
15	0.10	4.61E-02	2.85E-02	-2.65E-01	-2.78E+00
16	0.11	5.99E-02	-2.81E-01	-2.53E-01	-2.77E+00
17	0.11	6.98E-02	-2.73E-01	-2.47E-01	-2.75E+00
18	0.15	8.13E-02	-2.67E-01	-5.41E-01	-2.74E+00
19	0.16	8.53E-02	-2.55E-01	-7.29E+01	-2.72E+00
20	0.20	9.30E-02	-2.48E-01	-5.21E-01	-2.71E+00
21	0.21	1.10E-01	-2.44E-01	-5.16E-01	-2.69E+00
22	0.05	3.14E-01	6.23E-01	5.97E-01	-1.46E-02
23	0.07	9.47E-01	9.29E-01	1.19E+00	-2.85E-02
24	0.12	1.28E+00	1.24E+00	1.79E+00	-4.71E-02
25	0.17	1.61E+00	1.87E+00	2.39E+00	2.87E+00
26	0.22	1.99E+00	2.17E+00	2.99E+00	2.84E+00
27	0.23	2.37E+00	2.80E+00	3.59E+00	2.82E+00
28	0.28	2.76E+00	3.10E+00	4.19E+00	5.81E+00
29	0.33	3.15E+00	3.73E+00	4.79E+00	5.78E+00
30	0.35	3.54E+00	4.03E+00	5.39E+00	5.75E+00
31	0.40	3.95E+00	4.31E+00	5.98E+00	5.71E+00
32	0.07	3.45E-01	3.28E-01	6.19E-01	2.09E-02
33	0.11	3.64E-01	3.49E-01	3.36E-01	5.69E-02
34	0.16	3.95E-01	3.65E-01	3.55E-01	9.23E-02
35	0.12	6.58E-01	9.58E-01	1.22E+00	7.43E-03
36	0.16	6.93E-01	6.57E-01	9.38E-01	4.43E-02

37	0.21	7.22E-01	6.80E-01	9.62E-01	8.21E-02
38	0.17	1.30E+00	1.26E+00	1.82E+00	-5.64E-03
39	0.21	1.01E+00	1.29E+00	1.54E+00	3.28E-02
40	0.23	1.04E+00	1.32E+00	1.57E+00	7.18E-02
41	679.38	2.13E+08	5.53E+09	4.93E+11	1.08E+15
42	681.19	2.15E+08	5.58E+09	4.99E+11	1.10E+15
43	677.31	2.11E+08	5.47E+09	4.86E+11	1.06E+15
44	679.85	2.13E+08	5.54E+09	4.95E+11	1.08E+15
45	678.29	2.12E+08	5.50E+09	4.90E+11	1.07E+15
46	680.50	2.14E+08	5.56E+09	4.97E+11	1.09E+15
47	676.48	2.10E+08	5.46E+09	4.84E+11	1.05E+15
48	679.32	2.13E+08	5.53E+09	4.93E+11	1.08E+15
49	677.33	2.11E+08	5.48E+09	4.87E+11	1.06E+15
50	679.91	2.14E+08	5.55E+09	4.95E+11	1.09E+15
51	675.79	2.10E+08	5.44E+09	4.82E+11	1.05E+15
52	678.78	2.13E+08	5.52E+09	4.92E+11	1.08E+15
53	676.54	2.11E+08	5.46E+09	4.85E+11	1.05E+15
54	679.34	2.13E+08	5.54E+09	4.94E+11	1.08E+15
55	671.82	2.07E+08	5.34E+09	4.71E+11	1.01E+15
56	678.33	2.13E+08	5.51E+09	4.91E+11	1.07E+15

Table B.5 Values of FWPI at node N190 on Cowskin Creek.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1	0.3669	0.0924	0.0794	0.0661	0.0472
2	0.5036	0.1592	0.1361	0.1164	0.0949
3	0.5512	0.1686	0.1436	0.1225	0.1002
4	0.5887	0.1783	0.1567	0.1290	0.1058
5	0.6274	0.1912	0.1683	0.1401	0.1124
6	0.6680	0.2117	0.1815	0.1557	0.1233
7	0.7191	0.2382	0.2072	0.1718	0.1347
8	0.7848	0.2828	0.2407	0.2003	0.1602
9	0.8747	0.3503	0.3012	0.2538	0.1979
10	0.9929	0.5383	0.4537	0.3824	0.2960
11	1.2840	0.8839	0.8528	0.7860	0.6790
12	0.3787	0.0938	0.0803	0.0668	0.0477
13	0.3810	0.0948	0.0811	0.0674	0.0482
14	0.3834	0.0958	0.0819	0.0681	0.0539
15	0.3949	0.0968	0.0828	0.0697	0.0544
16	0.4011	0.1046	0.0846	0.0704	0.0549
17	0.4107	0.1056	0.0855	0.0712	0.0555
18	0.4131	0.1078	0.0869	0.0720	0.0560
19	0.4225	0.1089	0.0879	0.0879	0.0566
20	0.4314	0.1101	0.0889	0.0741	0.0583

21	0.4468	0.1114	0.0909	0.0749	0.0590
22	0.3786	0.0938	0.0803	0.0668	0.0477
23	0.3809	0.0948	0.0811	0.0674	0.0482
24	0.3831	0.0957	0.0819	0.0681	0.0539
25	0.3946	0.0967	0.0827	0.0697	0.0544
26	0.4007	0.1045	0.0845	0.0704	0.0549
27	0.4032	0.1055	0.0854	0.0711	0.0554
28	0.4126	0.1076	0.0868	0.0719	0.0560
29	0.4217	0.1088	0.0878	0.0727	0.0566
30	0.4307	0.1099	0.0888	0.0740	0.0583
31	0.4460	0.1112	0.0908	0.0748	0.0589
32	0.3833	0.0958	0.0819	0.0681	0.0539
33	0.4011	0.1046	0.0846	0.0704	0.0549
34	0.4131	0.1078	0.0869	0.0720	0.0560
35	0.3947	0.0967	0.0828	0.0697	0.0544
36	0.4105	0.1056	0.0855	0.0712	0.0555
37	0.4222	0.1089	0.0879	0.0728	0.0566
38	0.4009	0.1045	0.0845	0.0704	0.0549
39	0.4129	0.1077	0.0869	0.0720	0.0560
40	0.4312	0.1101	0.0889	0.0740	0.0583
41	0.5600	0.1705	0.1454	0.1238	0.1009
42	0.6419	0.1956	0.1735	0.1431	0.1156
43	0.5732	0.1730	0.1478	0.1256	0.1021
44	0.6532	0.2060	0.1776	0.1522	0.1183
45	0.5707	0.1717	0.1467	0.1247	0.1015
46	0.6470	0.2034	0.1755	0.1448	0.1169
47	0.5878	0.1758	0.1543	0.1267	0.1036
48	0.6668	0.2101	0.1799	0.1541	0.1218
49	0.5730	0.1730	0.1478	0.1257	0.1022
50	0.6528	0.2060	0.1777	0.1523	0.1184
51	0.5946	0.1777	0.1560	0.1290	0.1046
52	0.6700	0.2145	0.1827	0.1575	0.1237
53	0.5817	0.1758	0.1544	0.1268	0.1037
54	0.6659	0.2101	0.1800	0.1542	0.1220
55	0.5959	0.1789	0.1574	0.1293	0.1045
56	0.6791	0.2188	0.1865	0.1601	0.1259

Table B.6 Percent change in values of FWPI at node N190 on Cowskin Creek.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1					
2	37.25	72.18	71.37	76.03	100.96
3	50.22	82.35	80.79	85.33	112.18
4	60.46	92.85	97.34	95.10	124.05

5	70.99	106.82	111.84	111.87	137.94
6	82.07	129.05	128.51	135.47	161.20
7	95.99	157.71	160.80	159.78	185.23
8	113.90	205.91	203.06	202.92	239.32
9	138.39	278.88	279.16	283.79	319.04
10	170.60	482.30	471.21	478.37	526.92
11	249.95	856.11	973.65	1088.81	1337.94
12	3.22	1.51	1.08	0.99	0.99
13	3.85	2.54	2.12	2.00	2.01
14	4.49	3.61	3.17	3.06	14.24
15	7.62	4.70	4.25	5.42	15.29
16	9.33	13.14	6.50	6.54	16.37
17	11.93	14.28	7.65	7.69	17.48
18	12.60	16.61	9.43	8.87	18.64
19	15.14	17.85	10.66	32.94	19.87
20	17.58	19.12	11.98	12.01	23.53
21	21.77	20.49	14.49	13.35	24.88
22	3.20	1.48	1.03	0.96	0.97
23	3.80	2.50	2.08	1.98	1.99
24	4.42	3.54	3.11	3.01	14.21
25	7.53	4.61	4.18	5.36	15.25
26	9.21	13.03	6.40	6.46	16.32
27	9.90	14.14	7.53	7.59	17.42
28	12.44	16.45	9.29	8.76	18.56
29	14.94	17.65	10.50	10.01	19.79
30	17.39	18.90	11.80	11.87	23.42
31	21.57	20.24	14.27	13.18	24.75
32	4.46	3.59	3.15	3.04	14.23
33	9.31	13.12	6.48	6.52	16.36
34	12.58	16.59	9.41	8.86	18.63
35	7.58	4.65	4.21	5.39	15.27
36	11.89	14.24	7.61	7.66	17.46
37	15.07	17.80	10.62	10.11	19.85
38	9.26	13.08	6.44	6.49	16.34
39	12.53	16.54	9.37	8.83	18.60
40	17.52	19.05	11.92	11.96	23.50
41	52.62	84.44	83.00	87.25	113.77
42	74.95	111.55	118.42	116.39	144.77
43	56.21	87.16	86.08	90.02	116.31
44	78.03	122.87	123.58	130.12	150.50
45	55.54	85.73	84.67	88.60	115.05
46	76.34	120.07	120.96	119.01	147.65
47	60.21	90.15	94.31	91.63	119.46
48	81.75	127.28	126.49	133.09	158.01
49	56.16	87.16	86.13	90.13	116.51

50	77.92	122.88	123.66	130.27	150.78
51	62.06	92.18	96.37	95.05	121.56
52	82.61	132.07	130.03	138.22	161.99
53	58.53	90.15	94.36	91.74	119.66
54	81.48	127.30	126.57	133.25	158.30
55	62.41	93.53	98.13	95.58	121.21
56	85.08	136.68	134.78	142.10	166.62

Table B.7 Values of ERI at node N190 on Cowskin Creek.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1	2.2018	0.3621	0.1961	0.0961	0.0290
2	2.6501	2.0672	1.8914	1.7073	1.4431
3	2.6592	2.0927	1.9196	1.7372	1.4728
4	2.6678	2.1190	1.9526	1.7702	1.5062
5	2.6762	2.1469	1.9845	1.8076	1.5457
6	2.6845	2.1787	2.0199	1.8532	1.5928
7	2.6936	2.2131	2.0633	1.9019	1.6502
8	2.7014	2.2535	2.1124	1.9640	1.7277
9	2.7061	2.2980	2.1733	2.0413	1.8179
10	2.7085	2.3544	2.2487	2.1372	1.9399
11	2.7086	2.4001	2.3222	2.2285	2.0710
12	2.2098	0.3642	0.1969	0.0964	0.0290
13	2.2158	0.3658	0.1977	0.0966	0.0290
14	2.2219	0.3676	0.1986	0.0969	0.0298
15	2.2301	0.3695	0.1994	0.0973	0.0298
16	2.2363	0.3753	0.2005	0.0976	0.0298
17	2.2441	0.3776	0.2015	0.0979	0.0299
18	2.2501	0.3802	0.2024	0.0982	0.0299
19	2.2574	0.3825	0.2034	0.0815	0.0299
20	2.2651	0.3849	0.2043	0.0989	0.0300
21	2.2731	0.3873	0.2055	0.0993	0.0300
22	2.2123	0.3726	0.2030	0.1002	0.0306
23	2.2200	0.3831	0.2102	0.1046	0.0323
24	2.2285	0.3937	0.2176	0.1091	0.0351
25	2.2393	0.4048	0.2252	0.1140	0.0371
26	2.2479	0.4199	0.2334	0.1190	0.0392
27	2.2568	0.4316	0.2416	0.1243	0.0414
28	2.2673	0.4437	0.2151	0.1297	0.0437
29	2.2777	0.4557	0.2587	0.1355	0.0462
30	2.2882	0.4680	0.2678	0.1415	0.0489
31	2.2990	0.4805	0.2774	0.1477	0.0517
32	2.2238	0.3761	0.2047	0.1008	0.0314
33	2.2381	0.3838	0.2066	0.1015	0.0314

34	2.2524	0.3886	0.2086	0.1022	0.0315
35	2.2348	0.3868	0.2119	0.1053	0.0332
36	2.2489	0.3947	0.2140	0.1060	0.0332
37	2.2627	0.3995	0.2161	0.1066	0.0332
38	2.2432	0.4013	0.2196	0.1099	0.0350
39	2.2575	0.4061	0.2216	0.1106	0.0350
40	2.2732	0.4108	0.2238	0.1113	0.0351
41	2.6605	2.0877	1.9141	1.7299	1.4622
42	2.6779	2.1463	1.9845	1.8067	1.5435
43	2.6622	2.0857	1.9118	1.7258	1.4550
44	2.6796	2.1497	1.9857	1.8115	1.5421
45	2.6620	2.0925	1.9208	1.7377	1.4703
46	2.6793	2.1551	1.9930	1.8172	1.5558
47	2.6638	2.0919	1.9224	1.7347	1.4649
48	2.6811	2.1569	1.9945	1.8225	1.5556
49	2.6633	2.0979	1.9277	1.7462	1.4794
50	2.6807	2.1619	2.0016	1.8324	1.5687
51	2.6654	2.0979	1.9301	1.7444	1.4752
52	2.6825	2.1637	2.0033	1.8340	1.5691
53	2.6649	2.1039	1.9383	1.7552	1.4895
54	2.6823	2.1688	2.0116	1.8441	1.5827
55	2.6660	2.0949	1.9290	1.7439	1.4737
56	2.6842	2.1706	2.0128	1.8462	1.5833

Table B.8 Percent change in values of ERI at node N190 on Cowskin Creek.

Scenario #	<i>Design Storm Size</i>				
	30.5-mm	5-Year	10-Year	25-Year	100-Year
1					
2	20.36	470.86	864.69	1676.03	4874.14
3	20.78	477.90	879.07	1707.13	4976.56
4	21.16	485.17	895.87	1741.44	5091.78
5	21.55	492.88	912.13	1780.31	5227.81
6	21.92	501.66	930.21	1827.75	5390.21
7	22.33	511.17	952.32	1878.41	5588.10
8	22.69	522.30	977.40	1943.07	5854.99
9	22.90	534.60	1008.43	2023.46	6165.83
10	23.01	550.19	1046.89	2123.24	6586.60
11	23.01	562.79	1084.37	2218.21	7038.22
12	0.36	0.56	0.43	0.25	-0.06
13	0.63	1.03	0.82	0.50	-0.09
14	0.91	1.53	1.29	0.79	2.84
15	1.28	2.05	1.71	1.25	2.85
16	1.57	3.63	2.25	1.55	2.88
17	1.92	4.27	2.77	1.86	2.91

18	2.19	4.99	3.23	2.19	2.92
19	2.52	5.63	3.73	-15.27	3.00
20	2.87	6.31	4.19	2.90	3.31
21	3.24	6.97	4.82	3.29	3.40
22	0.48	2.89	3.56	4.28	5.43
23	0.82	5.80	7.20	8.78	11.27
24	1.21	8.73	10.96	13.49	20.89
25	1.70	11.80	14.87	18.63	27.72
26	2.09	15.95	19.02	23.82	34.94
27	2.50	19.18	23.21	29.27	42.68
28	2.97	22.54	9.73	34.96	50.74
29	3.45	25.85	31.96	40.94	59.35
30	3.92	29.24	36.58	47.19	68.69
31	4.42	32.70	41.48	53.69	78.28
32	1.00	3.86	4.39	4.87	8.39
33	1.65	5.98	5.39	5.62	8.31
34	2.30	7.32	6.40	6.29	8.43
35	1.50	6.81	8.07	9.55	14.32
36	2.14	8.99	9.14	10.23	14.30
37	2.76	10.34	10.22	10.93	14.39
38	1.88	10.83	12.00	14.32	20.71
39	2.53	12.14	13.04	15.01	20.68
40	3.24	13.43	14.13	15.78	21.04
41	20.83	476.52	876.24	1699.49	4940.11
42	21.62	492.72	912.13	1779.40	5220.20
43	20.91	475.99	875.06	1695.20	4915.15
44	21.70	493.65	912.75	1784.37	5215.40
45	20.90	477.87	879.66	1707.66	4967.91
46	21.69	495.15	916.47	1790.34	5262.50
47	20.98	477.68	880.48	1704.54	4949.10
48	21.77	495.63	917.27	1795.87	5261.72
49	20.96	479.35	883.18	1716.44	4999.16
50	21.75	497.02	920.89	1806.10	5307.17
51	21.05	479.35	884.42	1714.63	4984.72
52	21.83	497.52	921.76	1807.81	5308.26
53	21.03	481.02	888.61	1725.82	5034.02
54	21.82	498.92	925.99	1818.29	5355.28
55	21.08	478.52	883.84	1714.10	4979.66
56	21.91	499.42	926.60	1820.49	5357.43

Table B.9 Values of FRI a node N154-28 on Cowskin Creek.

Scenario #	FRI	% Change of FRI
1	0.4577	
2	0.4578	0.0332

5	0.4598	0.4584
12	0.4572	-0.1135
15	0.4571	-0.1182
22	0.4577	0.0093
25	0.4589	0.2597
33	0.4572	-0.1089
42	0.4598	0.4555
47	0.4590	0.2894

Appendix C - SAS Code

```
data Outfall_FWPI;
input Scenario $ Rainfall $ FWPI;
datalines;
1 1.2inch 0.325544614
2 1.2inch 0.349377727
3 1.2inch 0.349364237
4 1.2inch 0.349350691
5 1.2inch 0.349347774
6 1.2inch 0.349326674
7 1.2inch 0.349313532
8 1.2inch 0.349303014
9 1.2inch 0.349295017
10 1.2inch 0.349284327
11 1.2inch 0.34927891
12 1.2inch 0.325542202
13 1.2inch 0.325542197
14 1.2inch 0.325539784
15 1.2inch 0.325539779
16 1.2inch 0.32553737
17 1.2inch 0.325537364
18 1.2inch 0.325534951
19 1.2inch 0.325534946
20 1.2inch 0.325532536
21 1.2inch 0.325532531
22 1.2inch 0.325542197
23 1.2inch 0.32553978
24 1.2inch 0.325537361
25 1.2inch 0.325534944
26 1.2inch 0.325532528
27 1.2inch 0.325537335
28 1.2inch 0.325530099
29 1.2inch 0.325527679
30 1.2inch 0.325525262
31 1.2inch 0.325522842
32 1.2inch 0.325539779
33 1.2inch 0.325537364
34 1.2inch 0.325534946
35 1.2inch 0.325537361
36 1.2inch 0.325534946
37 1.2inch 0.325532527
38 1.2inch 0.325534947
39 1.2inch 0.325532527
40 1.2inch 0.325530112
41 1.2inch 0.348902428
42 1.2inch 0.349084602
43 1.2inch 0.348582276
44 1.2inch 0.348875319
45 1.2inch 0.34872739
46 1.2inch 0.348973552
47 1.2inch 0.348457162
48 1.2inch 0.34878273
49 1.2inch 0.348581475
50 1.2inch 0.348872051
```

51 1.2inch 0.348345972
52 1.2inch 0.348697315
53 1.2inch 0.348453884
54 1.2inch 0.348779455
55 1.2inch 0.34777069
56 1.2inch 0.348663799
1 5-year 0.02814088
2 5-year 0.05128813
3 5-year 0.051281249
4 5-year 0.051274528
5 5-year 0.051267851
6 5-year 0.051265098
7 5-year 0.051259091
8 5-year 0.051253485
9 5-year 0.051248204
10 5-year 0.051246981
11 5-year 0.051235361
12 5-year 0.028140883
13 5-year 0.028140885
14 5-year 0.028140887
15 5-year 0.028140921
16 5-year 0.028140924
17 5-year 0.028140926
18 5-year 0.028140928
19 5-year 0.028140931
20 5-year 0.028140933
21 5-year 0.028140935
22 5-year 0.028140818
23 5-year 0.028140757
24 5-year 0.028140662
25 5-year 0.028140601
26 5-year 0.02814054
27 5-year 0.028140478
28 5-year 0.028140385
29 5-year 0.028140323
30 5-year 0.028140262
31 5-year 0.028140201
32 5-year 0.028140823
33 5-year 0.028140828
34 5-year 0.028140832
35 5-year 0.028140762
36 5-year 0.028140766
37 5-year 0.02814077
38 5-year 0.0281407
39 5-year 0.028140704
40 5-year 0.028140709
41 5-year 0.050728315
42 5-year 0.050966802
43 5-year 0.05034716
44 5-year 0.050718576
45 5-year 0.050518694
46 5-year 0.050834594
47 5-year 0.050194664
48 5-year 0.050608309
49 5-year 0.050340843
50 5-year 0.05071403

51 5-year 0.050062123
52 5-year 0.050507
53 5-year 0.050188494
54 5-year 0.050603731
55 5-year 0.049376028
56 5-year 0.050465682
1 10-year 0.014241189
2 10-year 0.03647723
3 10-year 0.036471264
4 10-year 0.036465333
5 10-year 0.036459327
6 10-year 0.03645309
7 10-year 0.036447098
8 10-year 0.036441013
9 10-year 0.036435417
10 10-year 0.036433016
11 10-year 0.036422409
12 10-year 0.014241192
13 10-year 0.014241204
14 10-year 0.014241207
15 10-year 0.01424121
16 10-year 0.014241212
17 10-year 0.014241215
18 10-year 0.014241218
19 10-year 0.01424123
20 10-year 0.014241233
21 10-year 0.014241235
22 10-year 0.014241144
23 10-year 0.014241108
24 10-year 0.014241063
25 10-year 0.014241017
26 10-year 0.014240982
27 10-year 0.014240936
28 10-year 0.014240891
29 10-year 0.014240855
30 10-year 0.014240809
31 10-year 0.014240763
32 10-year 0.014241159
33 10-year 0.014241165
34 10-year 0.01424118
35 10-year 0.014241114
36 10-year 0.01424112
37 10-year 0.014241134
38 10-year 0.014241069
39 10-year 0.014241084
40 10-year 0.014241089
41 10-year 0.035918273
42 10-year 0.036155266
43 10-year 0.035536042
44 10-year 0.035907144
45 10-year 0.035708776
46 10-year 0.036022917
47 10-year 0.03538359
48 10-year 0.035796756
49 10-year 0.035530937
50 10-year 0.035902055

51 10-year 0.035251101
52 10-year 0.035695333
53 10-year 0.035378658
54 10-year 0.035791664
55 10-year 0.034566207
56 10-year 0.03565418
1 25-year 0.01407698
2 25-year 0.03525087
3 25-year 0.035246064
4 25-year 0.03524126
5 25-year 0.035236321
6 25-year 0.035231407
7 25-year 0.035226313
8 25-year 0.035221412
9 25-year 0.035216295
10 25-year 0.03521337
11 25-year 0.035205678
12 25-year 0.014076988
13 25-year 0.014076991
14 25-year 0.014076995
15 25-year 0.014077003
16 25-year 0.014077006
17 25-year 0.01407701
18 25-year 0.014077018
19 25-year 0.014258724
20 25-year 0.014077024
21 25-year 0.014077033
22 25-year 0.014076946
23 25-year 0.014076913
24 25-year 0.014076874
25 25-year 0.01407684
26 25-year 0.014076807
27 25-year 0.014076773
28 25-year 0.014076734
29 25-year 0.0140767
30 25-year 0.014076666
31 25-year 0.014076628
32 25-year 0.014076958
33 25-year 0.014076965
34 25-year 0.014076976
35 25-year 0.014076919
36 25-year 0.014076931
37 25-year 0.014076943
38 25-year 0.014076886
39 25-year 0.014076898
40 25-year 0.014076909
41 25-year 0.034695372
42 25-year 0.03493351
43 25-year 0.03431504
44 25-year 0.034686626
45 25-year 0.034486771
46 25-year 0.034801747
47 25-year 0.034163344
48 25-year 0.034576725
49 25-year 0.034309773
50 25-year 0.034681381

51 25-year 0.034031584
52 25-year 0.034475758
53 25-year 0.034158275
54 25-year 0.034571483
55 25-year 0.033350879
56 25-year 0.034434713
1 100-year 0.000361791
2 100-year 0.020214647
3 100-year 0.020211184
4 100-year 0.020207741
5 100-year 0.020204179
6 100-year 0.02020055
7 100-year 0.020196969
8 100-year 0.020193322
9 100-year 0.020189663
10 100-year 0.020186856
11 100-year 0.020182043
12 100-year 0.000361795
13 100-year 0.000361799
14 100-year 0.000361802
15 100-year 0.000361806
16 100-year 0.00036181
17 100-year 0.000361814
18 100-year 0.000361818
19 100-year 0.000361822
20 100-year 0.000361826
21 100-year 0.000361829
22 100-year 0.00036177
23 100-year 0.000361747
24 100-year 0.000361726
25 100-year 0.000361704
26 100-year 0.000361682
27 100-year 0.000361661
28 100-year 0.000361639
29 100-year 0.000361617
30 100-year 0.000361596
31 100-year 0.000361574
32 100-year 0.000361777
33 100-year 0.000361785
34 100-year 0.000361792
35 100-year 0.000361756
36 100-year 0.000361763
37 100-year 0.000361771
38 100-year 0.000361734
39 100-year 0.000361741
40 100-year 0.00036175
41 100-year 0.0196662
42 100-year 0.019904461
43 100-year 0.019290158
44 100-year 0.019660149
45 100-year 0.019459905
46 100-year 0.019774081
47 100-year 0.019140331
48 100-year 0.019551524
49 100-year 0.019285059
50 100-year 0.019655055

```

51 100-year 0.019010209
52 100-year 0.019451858
53 100-year 0.019135371
54 100-year 0.01954643
55 100-year 0.018338114
56 100-year 0.019411419
;
run;

proc univariate data=Outfall_FWPI;
  histogram FWPI;
run;

proc glimmix data=Outfall_FWPI;
  class Scenario Rainfall;
  model FWPI = Scenario /dist=beta;
  random Rainfall;
  lsmeans Scenario / pdiff adjust=tukey ilink;
  output out=residuals residual=residual predicted=predicted;
run;
quit;

data Outfall_ERI;
input Scenario $ Rainfall $ ERI;
datalines;
1 1.2inch 0.251521633
2 1.2inch 1.967111952
3 1.2inch 1.967644633
4 1.2inch 1.968264683
5 1.2inch 1.968792752
6 1.2inch 1.969305669
7 1.2inch 1.969799616
8 1.2inch 1.9701783
9 1.2inch 1.970607696
10 1.2inch 1.970903779
11 1.2inch 1.971055123
12 1.2inch 0.251541431
13 1.2inch 0.251643279
14 1.2inch 0.251663238
15 1.2inch 0.251765521
16 1.2inch 0.251787714
17 1.2inch 0.251808174
18 1.2inch 0.251910869
19 1.2inch 0.251931276
20 1.2inch 0.252036525
21 1.2inch 0.2520573
22 1.2inch 0.251646134
23 1.2inch 0.251688564
24 1.2inch 0.251813586
25 1.2inch 0.251938458
26 1.2inch 0.252065508
27 1.2inch 0.252108434
28 1.2inch 0.252233691
29 1.2inch 0.252359409
30 1.2inch 0.252405841

```

31 1.2inch 0.25253191
32 1.2inch 0.251685839
33 1.2inch 0.251810723
34 1.2inch 0.251933242
35 1.2inch 0.251811212
36 1.2inch 0.251935491
37 1.2inch 0.252058662
38 1.2inch 0.251937854
39 1.2inch 0.252060683
40 1.2inch 0.252104163
41 1.2inch 1.960307842
42 1.2inch 1.964854069
43 1.2inch 1.955104595
44 1.2inch 1.961502773
45 1.2inch 1.957569252
46 1.2inch 1.963131665
47 1.2inch 1.953019918
48 1.2inch 1.960147671
49 1.2inch 1.955157364
50 1.2inch 1.961640185
51 1.2inch 1.95128669
52 1.2inch 1.958811311
53 1.2inch 1.953163757
54 1.2inch 1.960196638
55 1.2inch 1.941305908
56 1.2inch 1.957671705
1 5-year 1.12669E-07
2 5-year 0.242232545
3 5-year 0.242576862
4 5-year 0.24310136
5 5-year 0.243567769
6 5-year 0.243722123
7 5-year 0.244205536
8 5-year 0.24471195
9 5-year 0.245246415
10 5-year 0.245823509
11 5-year 0.24607013
12 5-year 1.12684E-07
13 5-year 1.12693E-07
14 5-year 1.12706E-07
15 5-year 1.12721E-07
16 5-year 1.12736E-07
17 5-year 1.12747E-07
18 5-year 1.1276E-07
19 5-year 1.12765E-07
20 5-year 1.12773E-07
21 5-year 1.12792E-07
22 5-year 1.13022E-07
23 5-year 1.13735E-07
24 5-year 1.14107E-07
25 5-year 1.14483E-07
26 5-year 1.14914E-07
27 5-year 1.15341E-07
28 5-year 1.1578E-07
29 5-year 1.16214E-07
30 5-year 1.16655E-07

31 5-year 1.17115E-07
32 5-year 1.13057E-07
33 5-year 1.13079E-07
34 5-year 1.13113E-07
35 5-year 1.1341E-07
36 5-year 1.13449E-07
37 5-year 1.13482E-07
38 5-year 1.14136E-07
39 5-year 1.13809E-07
40 5-year 1.13839E-07
41 5-year 0.239833041
42 5-year 0.241766357
43 5-year 0.237753501
44 5-year 0.240380914
45 5-year 0.238916039
46 5-year 0.241272593
47 5-year 0.237107233
48 5-year 0.239990912
49 5-year 0.238145873
50 5-year 0.240831666
51 5-year 0.236556901
52 5-year 0.239753049
53 5-year 0.237514179
54 5-year 0.240440861
55 5-year 0.233052053
56 5-year 0.239444212
1 10-year 2.56544E-09
2 10-year 0.143614891
3 10-year 0.143832584
4 10-year 0.144038242
5 10-year 0.144235872
6 10-year 0.144422214
7 10-year 0.144659353
8 10-year 0.14491814
9 10-year 0.145238392
10 10-year 0.145586524
11 10-year 0.145733505
12 10-year 2.56558E-09
13 10-year 2.56592E-09
14 10-year 2.56602E-09
15 10-year 2.56617E-09
16 10-year 2.55824E-09
17 10-year 2.55842E-09
18 10-year 2.55859E-09
19 10-year 2.55889E-09
20 10-year 2.55908E-09
21 10-year 2.55919E-09
22 10-year 2.58142E-09
23 10-year 2.58927E-09
24 10-year 2.59724E-09
25 10-year 2.6134E-09
26 10-year 2.62115E-09
27 10-year 2.6373E-09
28 10-year 2.64501E-09
29 10-year 2.6612E-09
30 10-year 2.66875E-09

31 10-year 2.67609E-09
32 10-year 2.57385E-09
33 10-year 2.57438E-09
34 10-year 2.57479E-09
35 10-year 2.59001E-09
36 10-year 2.58228E-09
37 10-year 2.58288E-09
38 10-year 2.59781E-09
39 10-year 2.59862E-09
40 10-year 2.59933E-09
41 10-year 0.141852081
42 10-year 0.143098075
43 10-year 0.140387144
44 10-year 0.142211055
45 10-year 0.141146371
46 10-year 0.142741686
47 10-year 0.139947378
48 10-year 0.141931075
49 10-year 0.14055251
50 10-year 0.142358534
51 10-year 0.139512674
52 10-year 0.141615126
53 10-year 0.140109929
54 10-year 0.142074954
55 10-year 0.136999996
56 10-year 0.141325667
1 25-year 1.41335E-11
2 25-year 0.070887719
3 25-year 0.070997839
4 25-year 0.071105991
5 25-year 0.071243188
6 25-year 0.071348407
7 25-year 0.071483459
8 25-year 0.071588477
9 25-year 0.071725235
10 25-year 0.071868684
11 25-year 0.071872163
12 25-year 1.41352E-11
13 25-year 1.41365E-11
14 25-year 1.41381E-11
15 25-year 1.4096E-11
16 25-year 1.40977E-11
17 25-year 1.40985E-11
18 25-year 1.4057E-11
19 25-year 3.82602E-12
20 25-year 1.40598E-11
21 25-year 1.40605E-11
22 25-year 1.42179E-11
23 25-year 1.43022E-11
24 25-year 1.43866E-11
25 25-year 1.44715E-11
26 25-year 1.45561E-11
27 25-year 1.46408E-11
28 25-year 1.47256E-11
29 25-year 1.48103E-11
30 25-year 1.4895E-11

31 25-year 1.49787E-11
32 25-year 1.4221E-11
33 25-year 1.41809E-11
34 25-year 1.41837E-11
35 25-year 1.4306E-11
36 25-year 1.42661E-11
37 25-year 1.42695E-11
38 25-year 1.43908E-11
39 25-year 1.43507E-11
40 25-year 1.43547E-11
41 25-year 0.069661835
42 25-year 0.07050001
43 25-year 0.068740525
44 25-year 0.069911141
45 25-year 0.069217508
46 25-year 0.070243984
47 25-year 0.06842893
48 25-year 0.06970534
49 25-year 0.068846529
50 25-year 0.070013644
51 25-year 0.068162463
52 25-year 0.069519237
53 25-year 0.06853355
54 25-year 0.069806639
55 25-year 0.066500323
56 25-year 0.06935115
1 100-year 1.88847E-15
2 100-year 0.020931547
3 100-year 0.021016683
4 100-year 0.02101667
5 100-year 0.021101247
6 100-year 0.021100819
7 100-year 0.021185456
8 100-year 0.021184871
9 100-year 0.021269938
10 100-year 0.021270298
11 100-year 0.021316803
12 100-year 1.88876E-15
13 100-year 1.83522E-15
14 100-year 1.83555E-15
15 100-year 1.83587E-15
16 100-year 1.83617E-15
17 100-year 1.83648E-15
18 100-year 1.8368E-15
19 100-year 1.83709E-15
20 100-year 1.83737E-15
21 100-year 1.83769E-15
22 100-year 1.88819E-15
23 100-year 1.88793E-15
24 100-year 1.88758E-15
25 100-year 1.94262E-15
26 100-year 1.94212E-15
27 100-year 1.94167E-15
28 100-year 1.99822E-15
29 100-year 1.9977E-15
30 100-year 1.99706E-15

```

31 100-year 1.99636E-15
32 100-year 1.88886E-15
33 100-year 1.88954E-15
34 100-year 1.89021E-15
35 100-year 1.88861E-15
36 100-year 1.8893E-15
37 100-year 1.89002E-15
38 100-year 1.88836E-15
39 100-year 1.88909E-15
40 100-year 1.88982E-15
41 100-year 0.020358859
42 100-year 0.020701883
43 100-year 0.019957379
44 100-year 0.020442978
45 100-year 0.020221794
46 100-year 0.02064782
47 100-year 0.019877878
48 100-year 0.020410637
49 100-year 0.020034731
50 100-year 0.020521569
51 100-year 0.01973739
52 100-year 0.020304164
53 100-year 0.019873777
54 100-year 0.020406016
55 100-year 0.018997709
56 100-year 0.020206069
;
run;

proc univariate data=Outfall_ERI;
  histogram ERI;
run;

proc glimmix data=Outfall_ERI maxopt=2000;
  class Scenario Rainfall;
  model ERI = Scenario /dist=gamma;
  random Rainfall;
  lsmeans Scenario/ pdiff adjust=tukey ilink;
  output out=residuals residual=residual predicted=predicted;
run;
quit;

data N190_FWPI;
input Scenario $ Rainfall $ FWPI;
datalines;
1 1.2inch 0.366912875
2 1.2inch 0.503592507
3 1.2inch 0.55116461
4 1.2inch 0.588739441
5 1.2inch 0.627375191
6 1.2inch 0.668028948
7 1.2inch 0.719107899
8 1.2inch 0.784843084
9 1.2inch 0.874671107
10 1.2inch 0.992882337
11 1.2inch 1.284021572

```

12 1.2inch 0.378735111
13 1.2inch 0.381026938
14 1.2inch 0.383375568
15 1.2inch 0.394886146
16 1.2inch 0.401149915
17 1.2inch 0.410694997
18 1.2inch 0.413147208
19 1.2inch 0.422472516
20 1.2inch 0.431426311
21 1.2inch 0.446799283
22 1.2inch 0.378646255
23 1.2inch 0.380856282
24 1.2inch 0.383113871
25 1.2inch 0.394550864
26 1.2inch 0.400721937
27 1.2inch 0.403220987
28 1.2inch 0.412569046
29 1.2inch 0.421717849
30 1.2inch 0.43073708
31 1.2inch 0.44604578
32 1.2inch 0.383287163
33 1.2inch 0.401062709
34 1.2inch 0.413065673
35 1.2inch 0.394719389
36 1.2inch 0.410530507
37 1.2inch 0.422195832
38 1.2inch 0.400893027
39 1.2inch 0.412900486
40 1.2inch 0.431200204
41 1.2inch 0.559985428
42 1.2inch 0.641903321
43 1.2inch 0.573165412
44 1.2inch 0.653226378
45 1.2inch 0.570685232
46 1.2inch 0.647006399
47 1.2inch 0.587829462
48 1.2inch 0.66684706
49 1.2inch 0.572983854
50 1.2inch 0.652800299
51 1.2inch 0.594635872
52 1.2inch 0.670016368
53 1.2inch 0.581676203
54 1.2inch 0.665887424
55 1.2inch 0.595914962
56 1.2inch 0.679098186
1 5-year 0.092445681
2 5-year 0.159169612
3 5-year 0.16857764
4 5-year 0.17827931
5 5-year 0.19119255
6 5-year 0.211747671
7 5-year 0.238242791
8 5-year 0.282801245
9 5-year 0.350257085
10 5-year 0.538310476
11 5-year 0.883881989

12 5-year 0.093844618
13 5-year 0.094797117
14 5-year 0.095779062
15 5-year 0.096787286
16 5-year 0.104596852
17 5-year 0.105647125
18 5-year 0.107803882
19 5-year 0.108944572
20 5-year 0.110123837
21 5-year 0.111391369
22 5-year 0.093817946
23 5-year 0.094760248
24 5-year 0.09571954
25 5-year 0.096708624
26 5-year 0.104493911
27 5-year 0.105521564
28 5-year 0.107649882
29 5-year 0.10876562
30 5-year 0.109918585
31 5-year 0.111159163
32 5-year 0.095760953
33 5-year 0.104577684
34 5-year 0.107783176
35 5-year 0.096748245
36 5-year 0.105606217
37 5-year 0.108900959
38 5-year 0.104535549
39 5-year 0.10773757
40 5-year 0.110055429
41 5-year 0.170506102
42 5-year 0.195572509
43 5-year 0.173025264
44 5-year 0.206029436
45 5-year 0.171699214
46 5-year 0.203446391
47 5-year 0.175789101
48 5-year 0.210108956
49 5-year 0.173023211
50 5-year 0.206045092
51 5-year 0.177657499
52 5-year 0.214538484
53 5-year 0.175785984
54 5-year 0.210132626
55 5-year 0.178907154
56 5-year 0.218803944
1 10-year 0.079429608
2 10-year 0.136122089
3 10-year 0.143604495
4 10-year 0.156746
5 10-year 0.168261712
6 10-year 0.181501955
7 10-year 0.207150248
8 10-year 0.240723303
9 10-year 0.30116741
10 10-year 0.453711172
11 10-year 0.852795319

12 10-year 0.080287764
13 10-year 0.081112648
14 10-year 0.081945897
15 10-year 0.082803464
16 10-year 0.084591855
17 10-year 0.085506298
18 10-year 0.086917464
19 10-year 0.087898449
20 10-year 0.088947637
21 10-year 0.090940658
22 10-year 0.080250408
23 10-year 0.081085395
24 10-year 0.081902297
25 10-year 0.082746808
26 10-year 0.084516066
27 10-year 0.08541355
28 10-year 0.086808611
29 10-year 0.087771211
30 10-year 0.088801232
31 10-year 0.090766525
32 10-year 0.081933047
33 10-year 0.08457801
34 10-year 0.086903021
35 10-year 0.082775593
36 10-year 0.085476248
37 10-year 0.087867407
38 10-year 0.084546033
39 10-year 0.08686987
40 10-year 0.088898797
41 10-year 0.145356073
42 10-year 0.173494089
43 10-year 0.147806478
44 10-year 0.177588578
45 10-year 0.146682781
46 10-year 0.175503706
47 10-year 0.154340588
48 10-year 0.179897738
49 10-year 0.147844801
50 10-year 0.177650372
51 10-year 0.155976935
52 10-year 0.182710792
53 10-year 0.154380526
54 10-year 0.179965146
55 10-year 0.157377345
56 10-year 0.186486278
1 25-year 0.066119439
2 25-year 0.116392558
3 25-year 0.122537972
4 25-year 0.129001497
5 25-year 0.140087078
6 25-year 0.155688653
7 25-year 0.171763997
8 25-year 0.200287882
9 25-year 0.253759374
10 25-year 0.382413495
11 25-year 0.786033972

12 25-year 0.066773964
13 25-year 0.067444505
14 25-year 0.068140183
15 25-year 0.069702262
16 25-year 0.070441117
17 25-year 0.071201902
18 25-year 0.071986206
19 25-year 0.087898449
20 25-year 0.074062669
21 25-year 0.074944704
22 25-year 0.06675742
23 25-year 0.067426657
24 25-year 0.068111865
25 25-year 0.069663855
26 25-year 0.070390101
27 25-year 0.07113999
28 25-year 0.071914504
29 25-year 0.072740626
30 25-year 0.073964539
31 25-year 0.074832659
32 25-year 0.068131839
33 25-year 0.070432107
34 25-year 0.071976791
35 25-year 0.069683337
36 25-year 0.071181122
37 25-year 0.072803732
38 25-year 0.070410591
39 25-year 0.071954641
40 25-year 0.074029623
41 25-year 0.123810246
42 25-year 0.143078119
43 25-year 0.125643411
44 25-year 0.152152878
45 25-year 0.124700937
46 25-year 0.144806265
47 25-year 0.126705971
48 25-year 0.154120845
49 25-year 0.125712766
50 25-year 0.152254231
51 25-year 0.128964889
52 25-year 0.157508936
53 25-year 0.12677711
54 25-year 0.154226372
55 25-year 0.129319362
56 25-year 0.16007646
1 100-year 0.047220095
2 100-year 0.094892457
3 100-year 0.100193391
4 100-year 0.105794658
5 100-year 0.112356141
6 100-year 0.123336877
7 100-year 0.134684206
8 100-year 0.160226288
9 100-year 0.197872609
10 100-year 0.2960304
11 100-year 0.678998977

```

12 100-year 0.047688009
13 100-year 0.048169285
14 100-year 0.053945082
15 100-year 0.054439062
16 100-year 0.054948492
17 100-year 0.055475451
18 100-year 0.056020386
19 100-year 0.056604277
20 100-year 0.058332528
21 100-year 0.05896827
22 100-year 0.047680289
23 100-year 0.048160736
24 100-year 0.053930603
25 100-year 0.054420288
26 100-year 0.054924242
27 100-year 0.055445806
28 100-year 0.055985923
29 100-year 0.056564223
30 100-year 0.058280258
31 100-year 0.05890872
32 100-year 0.05394089
33 100-year 0.054944071
34 100-year 0.05601595
35 100-year 0.054429691
36 100-year 0.055465574
37 100-year 0.05659428
38 100-year 0.05493356
39 100-year 0.056004771
40 100-year 0.058314544
41 100-year 0.100942254
42 100-year 0.115579597
43 100-year 0.102142089
44 100-year 0.118287374
45 100-year 0.101545602
46 100-year 0.116938291
47 100-year 0.103628968
48 100-year 0.121833544
49 100-year 0.102236087
50 100-year 0.118419633
51 100-year 0.10462036
52 100-year 0.123710951
53 100-year 0.103723586
54 100-year 0.12196955
55 100-year 0.104456801
56 100-year 0.125897573
;
run;

proc univariate data=N190_FWPI;
  histogram FWPI;
run;

proc glimmix data=N190_FWPI;
  class Scenario Rainfall;
  model FWPI = Scenario /dist=gamma;
  random Rainfall;

```

```
lsmeans Scenario/ pdiff adjust=tukey ilink;  
output out=residuals residual=residual predicted=predicted;  
run;  
quit;
```

```
data N190_ERI;  
input Scenario $ Rainfall $ ERI;  
datalines;  
1 1.2inch 2.201811711  
2 1.2inch 2.650122118  
3 1.2inch 2.659244492  
4 1.2inch 2.667804857  
5 1.2inch 2.67620254  
6 1.2inch 2.684482134  
7 1.2inch 2.693575239  
8 1.2inch 2.701420937  
9 1.2inch 2.706054751  
10 1.2inch 2.708466163  
11 1.2inch 2.708550708  
12 1.2inch 2.209768767  
13 1.2inch 2.21575887  
14 1.2inch 2.221939642  
15 1.2inch 2.230085663  
16 1.2inch 2.236286412  
17 1.2inch 2.244138738  
18 1.2inch 2.250066038  
19 1.2inch 2.257396186  
20 1.2inch 2.265106762  
21 1.2inch 2.273148914  
22 1.2inch 2.212273978  
23 1.2inch 2.219961884  
24 1.2inch 2.228544701  
25 1.2inch 2.239300183  
26 1.2inch 2.247918127  
27 1.2inch 2.256761144  
28 1.2inch 2.267259483  
29 1.2inch 2.277697691  
30 1.2inch 2.288167847  
31 1.2inch 2.299041828  
32 1.2inch 2.223765283  
33 1.2inch 2.238062688  
34 1.2inch 2.252380423  
35 1.2inch 2.234818129  
36 1.2inch 2.248865229  
37 1.2inch 2.262690908  
38 1.2inch 2.243229038  
39 1.2inch 2.257487296  
40 1.2inch 2.273224811  
41 1.2inch 2.660539391  
42 1.2inch 2.677897395  
43 1.2inch 2.662193384  
44 1.2inch 2.679564238  
45 1.2inch 2.661985766  
46 1.2inch 2.67928921  
47 1.2inch 2.663808189
```

48 1.2inch 2.681126564
49 1.2inch 2.663281738
50 1.2inch 2.680679908
51 1.2inch 2.665393054
52 1.2inch 2.682501155
53 1.2inch 2.664876512
54 1.2inch 2.68230608
55 1.2inch 2.665997737
56 1.2inch 2.684245401
1 5-year 0.362114494
2 5-year 2.067156098
3 5-year 2.092656705
4 5-year 2.118997123
5 5-year 2.146891248
6 5-year 2.178683292
7 5-year 2.213140161
8 5-year 2.253454403
9 5-year 2.297977346
10 5-year 2.354437735
11 5-year 2.400069537
12 5-year 0.364153805
13 5-year 0.365846324
14 5-year 0.367647271
15 5-year 0.36952639
16 5-year 0.375261602
17 5-year 0.37756313
18 5-year 0.380196519
19 5-year 0.382512769
20 5-year 0.384947848
21 5-year 0.38734058
22 5-year 0.372570636
23 5-year 0.383117975
24 5-year 0.39371684
25 5-year 0.40483952
26 5-year 0.419857163
27 5-year 0.431571153
28 5-year 0.443735735
29 5-year 0.45570947
30 5-year 0.467997682
31 5-year 0.480533741
32 5-year 0.376091
33 5-year 0.383752372
34 5-year 0.388623215
35 5-year 0.386775519
36 5-year 0.394651894
37 5-year 0.399544473
38 5-year 0.401333432
39 5-year 0.406071792
40 5-year 0.410764473
41 5-year 2.087651097
42 5-year 2.146308081
43 5-year 2.085727612
44 5-year 2.149709576
45 5-year 2.092535693
46 5-year 2.155120843
47 5-year 2.091859347

48 5-year 2.156852415
49 5-year 2.097896371
50 5-year 2.161891703
51 5-year 2.097920638
52 5-year 2.163695293
53 5-year 2.103946857
54 5-year 2.168777538
55 5-year 2.094920625
56 5-year 2.170588654
1 10-year 0.196067747
2 10-year 1.891443783
3 10-year 1.919648402
4 10-year 1.952578816
5 10-year 1.984463836
6 10-year 2.019911587
7 10-year 2.063251799
8 10-year 2.112437011
9 10-year 2.173277517
10 10-year 2.248678632
11 10-year 2.322164565
12 10-year 0.196911253
13 10-year 0.197671183
14 10-year 0.198602859
15 10-year 0.199420963
16 10-year 0.200480735
17 10-year 0.20149243
18 10-year 0.202400598
19 10-year 0.203377981
20 10-year 0.204282318
21 10-year 0.205525287
22 10-year 0.203044827
23 10-year 0.210187303
24 10-year 0.217563631
25 10-year 0.225222832
26 10-year 0.233358023
27 10-year 0.241566003
28 10-year 0.215136693
29 10-year 0.258723234
30 10-year 0.267789447
31 10-year 0.277387384
32 10-year 0.204670213
33 10-year 0.206643283
34 10-year 0.208609759
35 10-year 0.211895761
36 10-year 0.213986767
37 10-year 0.216111146
38 10-year 0.219591412
39 10-year 0.221627661
40 10-year 0.223776295
41 10-year 1.914096942
42 10-year 1.984462678
43 10-year 1.911772522
44 10-year 1.98567017
45 10-year 1.920787499
46 10-year 1.992968103
47 10-year 1.922399494

48 10-year 1.994540078
49 10-year 1.927698147
50 10-year 2.001637872
51 10-year 1.930124464
52 10-year 2.00334137
53 10-year 1.938336601
54 10-year 2.011643103
55 10-year 1.929001032
56 10-year 2.012839351
1 25-year 0.09613168
2 25-year 1.70733205
3 25-year 1.737227051
4 25-year 1.770204454
5 25-year 1.807576541
6 25-year 1.853173759
7 25-year 1.901876859
8 25-year 1.964040002
9 25-year 2.041315441
10 25-year 2.137234014
11 25-year 2.228538582
12 25-year 0.096375222
13 25-year 0.096616383
14 25-year 0.096889588
15 25-year 0.097331824
16 25-year 0.097618209
17 25-year 0.097923387
18 25-year 0.098239398
19 25-year 0.081450828
20 25-year 0.098922437
21 25-year 0.099289606
22 25-year 0.100247877
23 25-year 0.104576677
24 25-year 0.109102248
25 25-year 0.114043639
26 25-year 0.119032388
27 25-year 0.1242695
28 25-year 0.129742436
29 25-year 0.135487332
30 25-year 0.141492214
31 25-year 0.147747656
32 25-year 0.100808918
33 25-year 0.101533761
34 25-year 0.102175001
35 25-year 0.105310241
36 25-year 0.105964563
37 25-year 0.106634233
38 25-year 0.109900037
39 25-year 0.110562666
40 25-year 0.111305506
41 25-year 1.729876006
42 25-year 1.80670275
43 25-year 1.725759706
44 25-year 1.81147653
45 25-year 1.73773184
46 25-year 1.81721217
47 25-year 1.734737944

48 25-year 1.822535791
49 25-year 1.746171201
50 25-year 1.83237058
51 25-year 1.744435933
52 25-year 1.834010412
53 25-year 1.755194386
54 25-year 1.844087917
55 25-year 1.743926169
56 25-year 1.846197336
1 100-year 0.029012174
2 100-year 1.443107167
3 100-year 1.472820191
4 100-year 1.506249508
5 100-year 1.545714618
6 100-year 1.592829654
7 100-year 1.650240538
8 100-year 1.727671182
9 100-year 1.817854495
10 100-year 1.939928065
11 100-year 2.070953066
12 100-year 0.02899431
13 100-year 0.028986343
14 100-year 0.029836352
15 100-year 0.029839055
16 100-year 0.029846552
17 100-year 0.029857718
18 100-year 0.029859801
19 100-year 0.029881975
20 100-year 0.029973116
21 100-year 0.029998859
22 100-year 0.030587271
23 100-year 0.032281182
24 100-year 0.035073175
25 100-year 0.037055229
26 100-year 0.039150166
27 100-year 0.041394952
28 100-year 0.043734189
29 100-year 0.046231928
30 100-year 0.048941287
31 100-year 0.051721616
32 100-year 0.031445917
33 100-year 0.031422949
34 100-year 0.031456838
35 100-year 0.033166914
36 100-year 0.033160598
37 100-year 0.033187951
38 100-year 0.035021371
39 100-year 0.035011409
40 100-year 0.035116958
41 100-year 1.462245027
42 100-year 1.543504931
43 100-year 1.455004815
44 100-year 1.542114138
45 100-year 1.470310501
46 100-year 1.555776841
47 100-year 1.464854863

```
48 100-year 1.55550224
49 100-year 1.479376876
50 100-year 1.568737904
51 100-year 1.475187551
52 100-year 1.56905457
53 100-year 1.489492044
54 100-year 1.582694159
55 100-year 1.4737188
56 100-year 1.583318361
;
run;

proc univariate data=N190_ERI;
  histogram ERI;
run;

proc glimmix data=N190_ERI maxopt=2000;
  class Scenario Rainfall;
  model ERI = Scenario /dist=gamma;
  random Rainfall;
  lsmeans Scenario/ pdiff adjust=tukey ilink;
  output out=residuals residual=residual predicted=predicted;
run;
quit;
```

Appendix D - Model Code

[TITLE]

Final project. Baseline control, no LIDS (Scenario1)

[OPTIONS]

```
;;Options          Value
;;-----
FLOW_UNITS        CFS
INFILTRATION      GREEN_AMPT
FLOW_ROUTING      DYNWAVE
START_DATE        07/01/2015
START_TIME        00:00:00
REPORT_START_DATE 07/01/2015
REPORT_START_TIME 00:00:00
END_DATE          07/02/2015
END_TIME          00:00:00
SWEEP_START       07/01
SWEEP_END         07/02
DRY_DAYS          15
REPORT_STEP       0:15:00
WET_STEP          0:15:00
DRY_STEP          0:15:00
ROUTING_STEP      1
ALLOW_PONDING     YES
INERTIAL_DAMPING  PARTIAL
VARIABLE_STEP     0.75
LENGTHENING_STEP 0
MIN_SURFAREA      12.566
NORMAL_FLOW_LIMITED BOTH
SKIP_STEADY_STATE NO
FORCE_MAIN_EQUATION H-W
LINK_OFFSETS      DEPTH
MIN_SLOPE         0
MAX_TRIALS        8
HEAD_TOLERANCE    0.005
SYS_FLOW_TOL      5
LAT_FLOW_TOL      5
```

[EVAPORATION]

```
;;Type            Parameters
;;-----
MONTHLY           0      0      0      0      0      0      0      0      0      0      0
0
DRY_ONLY          YES
```

[RAINGAGES]

```
;;              Rain      Time      Snow      Data
;;Name          Type      Intrvl  Catch    Source
;;-----
;Design Storm (Wichita)
SCS_24h_Type_II_1.2in INTENSITY 0:15  1.0    TIMESERIES SCS_24h_Type_II_1.2in
;5-year, 24 hour design storm (Wichita)
SCS_24h_Type_II_4.24in INTENSITY 0:15  1.0    TIMESERIES SCS_24h_Type_II_4.24in
;10 year, 24-hour design storm (Wichita)
SCS_24h_Type_II_4.98in INTENSITY 0:15  1.0    TIMESERIES SCS_24h_Type_II_4.98in
;25-year, 24-hour design storm (Wichita)
SCS_24h_Type_II_6.05in INTENSITY 0:15  1.0    TIMESERIES SCS_24h_Type_II_6.05in
;100-year, 24-hour design storm (Wichita)
SCS_24h_Type_II_7.83in INTENSITY 0:15  1.0    TIMESERIES SCS_24h_Type_II_7.83in
```

```

US1KSSG0002      CUMULATIVE 24:00  1.0    TIMESERIES US1KSSG0002_MayJuneJuly2010
US1KSSG0003      CUMULATIVE 24:00  1.0    TIMESERIES US1KSSG0003_MayJuneJuly2010
US1KSSG0009      CUMULATIVE 24:00  1.0    TIMESERIES US1KSSG0009_MayJuneJuly2010
US1KSSG0020      CUMULATIVE 24:00  1.0    TIMESERIES US1KSSG0020_MayJuneJuly2010
US1KSSG0026      CUMULATIVE 24:00  1.0    TIMESERIES US1KSSG0026_MayJuneJuly2010
US1KSSG0064      CUMULATIVE 24:00  1.0    TIMESERIES USW00003974_MayJuneJuly2010
US1KSSG0069      CUMULATIVE 24:00  1.0    TIMESERIES US1KSSG0009_MayJuneJuly2010
USW00003928      CUMULATIVE 24:00  1.0    TIMESERIES USW00003928_MayJuneJuly2010
USW00003974      CUMULATIVE 24:00  1.0    TIMESERIES USW00003974_MayJuneJuly2010

```

[SUBCATCHMENTS]

;;				Total	Pcnt.	Pcnt.
Curb	Snow		Outlet	Area	Imperv	Slope
;;Name		Raingage			Width	
Length	Pack					
;;-----						
100		SCS_24h_Type_II_7.83in	N99	2013.248	0.474	1937.304
2.39	0					
101		SCS_24h_Type_II_7.83in	N112	1915.243	5.037	1754.814
2.132	0					
102		SCS_24h_Type_II_7.83in	121	901.9442	10.381	1789.568
3.914	0					
103		SCS_24h_Type_II_7.83in	121	2456.775	10.699	2020.105
4.36	0					
104		SCS_24h_Type_II_7.83in	N107	699.095	17.571	1633.498
3.063	0					
105		SCS_24h_Type_II_7.83in	N107	48.0183	2.848	3641.985
12.915	0					
106		SCS_24h_Type_II_7.83in	N131	149.1775	17.566	4226.892
6.733	0					
107		SCS_24h_Type_II_7.83in	N131	14.5275	11.839	741.425
11.304	0					
108		SCS_24h_Type_II_7.83in	N124	3332.2342	2.607	1974.325
2.397	0					
109		SCS_24h_Type_II_7.83in	N109	2660.109	0.234	630.05
0.748	0					
110		SCS_24h_Type_II_7.83in	N124	952.0092	4.498	1555.113
2.821	0					
111		SCS_24h_Type_II_7.83in	N112	925.017	0.436	489.594
0.672	0					
112		SCS_24h_Type_II_7.83in	N114	264.981	0.149	85.84
0.791	0					
113		SCS_24h_Type_II_7.83in	N111	1629.223	0.562	1281.745
2.363	0					
114		SCS_24h_Type_II_7.83in	N139	303.656	0.179	351.651
0.788	0					
115		SCS_24h_Type_II_7.83in	N139	1018.863	1.66	1112.74
1.62	0					
116		SCS_24h_Type_II_7.83in	N130	2045.9292	4.504	2170.821
5.17	0					
117		SCS_24h_Type_II_7.83in	N130	655.4333	1.918	3539.581
6.615	0					
118		SCS_24h_Type_II_7.83in	N149	3412.2567	27.346	2030.287
4.672	0					
119		SCS_24h_Type_II_7.83in	N149	9.1408	12.856	1737.851
10.128	0					
120		SCS_24h_Type_II_7.83in	119	767.6283	35.598	1967.249
4.901	0					
121		SCS_24h_Type_II_7.83in	135	343.8467	37.497	2395.673
5.317	0					
122		SCS_24h_Type_II_7.83in	135	1082.0408	13.563	1734.849
3.797	0					

123		SCS_24h_Type_II_7.83in 119	762.3675	42.749	2816.052
4.913	0				
124		SCS_24h_Type_II_7.83in N137	489.7792	32.43	2438.625
4.277	0				
125		SCS_24h_Type_II_7.83in N114	2878.153	0.794	1365.583
2.451	0				
126		SCS_24h_Type_II_7.83in N138	1088.4967	1.408	1603.924
1.95	0				
127		SCS_24h_Type_II_7.83in 136	1491.7908	22.254	2465.073
3.973	0				
128		SCS_24h_Type_II_7.83in 136	808.2167	37.348	470.806
5.985	0				
129		SCS_24h_Type_II_7.83in N137	2822.8242	10.309	941.44
4.06	0				
130		SCS_24h_Type_II_7.83in N173	229.4075	1.233	2305.559
4.785	0				
131		SCS_24h_Type_II_7.83in N151	320.3558	14.169	2887.199
9.246	0				
132		SCS_24h_Type_II_7.83in 176	931.772	26.466	1448.283
4.315	0				
133		SCS_24h_Type_II_7.83in 176	1444.99	12.948	761.156
2.873	0				
134		SCS_24h_Type_II_7.83in N148	1551.6808	35.2	1244.913
5.324	0				
135		SCS_24h_Type_II_7.83in N148	157.6517	25.646	1314.477
7.631	0				
136		SCS_24h_Type_II_7.83in N172	44.8783	10.381	2500.718
3.455	0				
137		SCS_24h_Type_II_7.83in N172	30.3583	32.339	1464.304
6.6	0				
138		SCS_24h_Type_II_7.83in N154	143.246	0.627	295.44
1.755	0				
139		SCS_24h_Type_II_7.83in N154	1049.636	1.689	483.616
1.016	0				
140		SCS_24h_Type_II_7.83in N138	204.443	4.822	158.437
1.364	0				
141		SCS_24h_Type_II_7.83in N140	930.593	0.993	2924.613
2.016	0				
142		SCS_24h_Type_II_7.83in 144	1083.676	0.848	1828.398
2.765	0				
143		SCS_24h_Type_II_7.83in 144	850.336	0.462	1227.369
2.901	0				
144		SCS_24h_Type_II_7.83in 146	107.594	4.716	1313.981
5.842	0				
145		SCS_24h_Type_II_7.83in 147	1274.755	0.838	1036.548
2.787	0				
146		SCS_24h_Type_II_7.83in 147	573.092	0.83	1809.694
3.189	0				
147		SCS_24h_Type_II_7.83in 155	224.467	0.632	1234.987
4.904	0				
148		SCS_24h_Type_II_7.83in N162	974.5217	51.391	3138.596
4.949	0				
149		SCS_24h_Type_II_7.83in N162	3191.3758	30.858	1110.683
4.661	0				
150		SCS_24h_Type_II_7.83in N175	1084.65	36.361	755.61
4.883	0				
151		SCS_24h_Type_II_7.83in N165	1574.0883	30.895	2119.781
4.01	0				
152		SCS_24h_Type_II_7.83in N165	911.2667	36.964	1157.971
2.685	0				
153		SCS_24h_Type_II_7.83in 155	1053.77	1.083	1584.824
3.226	0				

154-1		SCS_24h_Type_II_7.83in N154-1	36.375	2.156	267.432
1.484	0				
154-10		SCS_24h_Type_II_7.83in 4649-0080	63.386	5.878	496.07
1.088	0				
154-11		SCS_24h_Type_II_7.83in 4549-0081	40.505	20.668	286.767
1.599	0				
154-12		SCS_24h_Type_II_7.83in 4549-0015	75.786	11.88	338.273
0.813	0				
154-13		SCS_24h_Type_II_7.83in 4649-0136	48.931	3.374	282.731
0.649	0				
154-14		SCS_24h_Type_II_7.83in 4649-0101	13.207	10.187	146.712
1.102	0				
154-15		SCS_24h_Type_II_7.83in 154-18	17.466	5.052	288.463
0.583	0				
154-16		SCS_24h_Type_II_7.83in 4648-0115	39.008	16.885	242.801
1.269	0				
154-17		SCS_24h_Type_II_7.83in N154-23	91.641	13.038	428.622
1.883	0				
154-18		SCS_24h_Type_II_7.83in 4648-0049	74.057	19.226	383.534
1.611	0				
154-19		SCS_24h_Type_II_7.83in 4648-0033	43.559	3.269	282.363
1.993	0				
154-2		SCS_24h_Type_II_7.83in 154-3	55.108	3.584	353.804
0.567	0				
154-20		SCS_24h_Type_II_7.83in 154-19	5.28	6.601	116.241
1.681	0				
154-21		SCS_24h_Type_II_7.83in 4748-0115	46.086	16.148	260.93
1.344	0				
154-22		SCS_24h_Type_II_7.83in 4648-0083	50.072	21.229	336.338
1.405	0				
154-23		SCS_24h_Type_II_7.83in 4648-0034	17.627	7.833	247.422
2.745	0				
154-24		SCS_24h_Type_II_7.83in 154-20	44.065	7.133	313.418
0.85	0				
154-25		SCS_24h_Type_II_7.83in N154-26	40.749	12.994	256.158
2.045	0				
154-26		SCS_24h_Type_II_7.83in N154-28	27.634	3.772	191.388
3.002	0				
154-27		SCS_24h_Type_II_7.83in 4748-0139	52.872	19.326	348.958
1.643	0				
154-28		SCS_24h_Type_II_7.83in N175	4.337	0.528	74.771
4.646	0				
154-29		SCS_24h_Type_II_7.83in 4648-0147	40.643	5.787	348.155
2.026	0				
154-3		SCS_24h_Type_II_7.83in 4649-0163	90.466	9.294	426.262
0.931	0				
154-30		SCS_24h_Type_II_7.83in 4648-0151	41.365	16.667	442.182
1.514	0				
154-31		SCS_24h_Type_II_7.83in 154-29	88.789	17.736	407.85
0.992	0				
154-4		SCS_24h_Type_II_7.83in 4549-0006	58.855	16.369	451.983
1.165	0				
154-5		SCS_24h_Type_II_7.83in N154-9	0.85	0.031	62.25
3.762	0				
154-6		SCS_24h_Type_II_7.83in N154-9	60.117	13.104	304.984
1.407	0				
154-7		SCS_24h_Type_II_7.83in 4648-0018	150.442	8.081	727.378
1.401	0				
154-8		SCS_24h_Type_II_7.83in N154-5	138.689	1.035	330.928
1.826	0				
154-9		SCS_24h_Type_II_7.83in 4649-0062	40.955	9.68	245.25
2.698	0				

155		SCS_24h_Type_II_7.83in N156	1510.284	1.004	1143.488
4.315	0				
156		SCS_24h_Type_II_7.83in N140	1619.865	2.002	346.323
1.096	0				
157		SCS_24h_Type_II_7.83in N164	625.3567	38.239	1486.95
3.154	0				
158		SCS_24h_Type_II_7.83in N164	1245.5542	34.03	3923.237
4.999	0				
159		SCS_24h_Type_II_7.83in 146	1574.06	0.396	1397.486
3.031	0				
160		SCS_24h_Type_II_7.83in N166	994.9175	32.929	1246.337
4.231	0				
161		SCS_24h_Type_II_7.83in N166	1764.125	36.006	3496.467
5.11	0				
162		SCS_24h_Type_II_7.83in N194	542.0692	36.965	1147.482
5.74	0				
163		SCS_24h_Type_II_7.83in N194	702.4017	39.615	1844.321
4.673	0				
164		SCS_24h_Type_II_7.83in N196	619.745	36.941	1190.408
4.252	0				
165		SCS_24h_Type_II_7.83in N196	195.3942	31.755	1925.896
4.294	0				
166		SCS_24h_Type_II_7.83in N181	118.5133	49.261	4811.127
6.546	0				
167		SCS_24h_Type_II_7.83in N181	1421.93	33.562	2652.259
4.696	0				
168		SCS_24h_Type_II_7.83in N156	990.413	6.546	1691.783
4.974	0				
169-1		SCS_24h_Type_II_7.83in 4549-0115	135.604807	23.401	1155.226
2.815	0				
169-10		SCS_24h_Type_II_7.83in 169-14	64.864153	0	566.612
2.736	0				
169-11		SCS_24h_Type_II_7.83in 169-13	73.35559	1.208	531.358
1.478	0				
169-12		SCS_24h_Type_II_7.83in 4548-0014	142.551919	35.802	854.892
3.499	0				
169-13		SCS_24h_Type_II_7.83in 4648-3058	0.180014	0	65.665
7.212	0				
169-14		SCS_24h_Type_II_7.83in 4548-3017	141.180491	0.591	967.112
2.752	0				
169-15		SCS_24h_Type_II_7.83in 4648-3058	25.955138	21.563	377.081
4.676	0				
169-16		SCS_24h_Type_II_7.83in 169-14	22.603567	6.552	369.263
2.654	0				
169-17		SCS_24h_Type_II_7.83in 169-6	205.445393	1.394	961.115
2.328	0				
169-18		SCS_24h_Type_II_7.83in 169-16	81.025122	0.66	773.257
2.628	0				
169-19		SCS_24h_Type_II_7.83in 169-16	96.961074	2.86	788.352
4.093	0				
169-2		SCS_24h_Type_II_7.83in 169-5	48.826352	1.495	566.061
0.977	0				
169-20		SCS_24h_Type_II_7.83in 4547-0007	136.28933	36.536	882.403
3.651	0				
169-21		SCS_24h_Type_II_7.83in 169-9	88.557275	8.345	605.638
3.68	0				
169-22		SCS_24h_Type_II_7.83in 4647-3118	181.894388	31.465	1208.349
2.97	0				
169-23		SCS_24h_Type_II_7.83in 4647-3004	87.034263	40.899	831.035
4.904	0				
169-24		SCS_24h_Type_II_7.83in 169-9	274.679615	2.217	1333.551
2.748	0				

169-25		SCS_24h_Type_II_7.83in 4647-3023	8.616974	71.027	193.886
6.261	0				
169-3		SCS_24h_Type_II_7.83in 169-5	56.166648	4.111	518.054
1.192	0				
169-4		SCS_24h_Type_II_7.83in 4548-0052	99.234929	0	935.717
1.402	0				
169-5		SCS_24h_Type_II_7.83in 169-6	45.209498	0	522.792
0.868	0				
169-6		SCS_24h_Type_II_7.83in 169-7	4.879321	0	229.166
1.761	0				
169-7		SCS_24h_Type_II_7.83in 169-10	105.016689	1.076	1057.979
2.189	0				
169-8		SCS_24h_Type_II_7.83in 169-10	85.835749	6.213	868.847
2.624	0				
169-9		SCS_24h_Type_II_7.83in 169-6	49.520351	0	794.668
4.615	0				
170		SCS_24h_Type_II_7.83in 193	739.9267	38.302	1388.184
4.136	0				
171		SCS_24h_Type_II_7.83in 193	644.2192	36.693	1254.219
4.155	0				
172		SCS_24h_Type_II_7.83in N225	2030.7317	31.415	3141.388
4.598	0				
173		SCS_24h_Type_II_7.83in N225	417.605	3.722	1488.665
7.574	0				
174		SCS_24h_Type_II_7.83in 209	938.9525	38.386	1101.864
3.247	0				
175		SCS_24h_Type_II_7.83in N185	851.868	33.651	310.369
1.38	0				
176		SCS_24h_Type_II_7.83in N185	2840.776	39.25	449.91
4.229	0				
177-1		SCS_24h_Type_II_7.83in 4547-0059	47.519849	74.553	542.677
4.986	0				
177-10		SCS_24h_Type_II_7.83in 4547-0223	63.434798	30.189	648.526
4.095	0				
177-11		SCS_24h_Type_II_7.83in 4547-0233	21.215992	28.043	316.05
5.457	0				
177-12		SCS_24h_Type_II_7.83in 4547-0240	25.088732	2.974	507.025
4.491	0				
177-13		SCS_24h_Type_II_7.83in 4547-3030	43.057314	9.669	543.589
4.48	0				
177-14		SCS_24h_Type_II_7.83in 177-17	24.311819	1.383	432.116
2.061	0				
177-15		SCS_24h_Type_II_7.83in 177-17	35.401834	0	515.136
2.279	0				
177-16		SCS_24h_Type_II_7.83in 4546-3004	37.564414	32.893	663.551
5.043	0				
177-17		SCS_24h_Type_II_7.83in 177-20	1.17485	2.527	94.834
3.461	0				
177-18		SCS_24h_Type_II_7.83in 177-20	0.70112	61.578	33.616
6.496	0				
177-19		SCS_24h_Type_II_7.83in 177-18	45.407011	4.314	559.798
1.411	0				
177-2		SCS_24h_Type_II_7.83in 4647-0190	32.647096	52.196	395.353
5.306	0				
177-20		SCS_24h_Type_II_7.83in 177-23	33.3648	5.144	438.079
2.906	0				
177-21		SCS_24h_Type_II_7.83in 177-22	23.672283	3.52	452.715
1.935	0				
177-22		SCS_24h_Type_II_7.83in 4446-0203	24.387612	4.079	509.704
3.04	0				
177-23		SCS_24h_Type_II_7.83in 4446-0013	5.355514	0	219.344
3.017	0				

177-24		SCS_24h_Type_II_7.83in	4446-0013	92.744473	29.735	800.337
5.672	0					
177-25		SCS_24h_Type_II_7.83in	4446-0157	73.73132	58.776	850.766
2.127	0					
177-26		SCS_24h_Type_II_7.83in	4446-0030	67.068313	54.97	608.216
2.825	0					
177-27		SCS_24h_Type_II_7.83in	177-18	196.363414	4.693	1084.383
1.453	0					
177-3		SCS_24h_Type_II_7.83in	4547-0223	28.291149	16.551	577.246
3.272	0					
177-4		SCS_24h_Type_II_7.83in	4647-0151	25.920134	14.549	304.177
3.329	0					
177-5		SCS_24h_Type_II_7.83in	4547-3043	56.999178	44.253	753.405
6.401	0					
177-6		SCS_24h_Type_II_7.83in	4647-0151	20.396445	21.555	440.142
5.316	0					
177-7		SCS_24h_Type_II_7.83in	4647-0151	26.649674	67.872	330.514
4.68	0					
177-8		SCS_24h_Type_II_7.83in	4647-0151	10.592602	30.02	324.238
4.734	0					
177-9		SCS_24h_Type_II_7.83in	4547-3050	75.872583	8.221	746.816
3.423	0					
178		SCS_24h_Type_II_7.83in	209	1470.9317	44.963	1104.256
4.038	0					
179		SCS_24h_Type_II_7.83in	168	2061.784	1.135	1267.06
2.755	0					
180-1		SCS_24h_Type_II_7.83in	4747-0247	19.465561	76.652	1239.546
3.472	0					
180-10		SCS_24h_Type_II_7.83in	4647-0084	22.326888	56.728	862.291
4.153	0					
180-11		SCS_24h_Type_II_7.83in	4647-0084	1.546728	7.206	562.588
7.212	0					
180-12		SCS_24h_Type_II_7.83in	4647-0084	13.901605	55.058	1698.933
4.151	0					
180-13		SCS_24h_Type_II_7.83in	4647-3069	22.445325	67.365	865.274
5.3	0					
180-14		SCS_24h_Type_II_7.83in	4647-3069	29.68865	66.409	744.83
4.687	0					
180-15		SCS_24h_Type_II_7.83in	4647-0173	29.333358	77.362	1342.013
5.058	0					
180-16		SCS_24h_Type_II_7.83in	4647-0173	4.419898	101.862	201.854
8.393	0					
180-17		SCS_24h_Type_II_7.83in	4647-3069	1.158271	68.879	81.185
4.762	0					
180-18		SCS_24h_Type_II_7.83in	4647-0174	6.497204	64.531	2588.338
4.904	0					
180-19		SCS_24h_Type_II_7.83in	4647-3069	10.635236	65.646	1782.157
4.973	0					
180-2		SCS_24h_Type_II_7.83in	4747-0247	20.050617	81.701	778.832
3.437	0					
180-20		SCS_24h_Type_II_7.83in	4647-0236	0.355297	0	92.29
7.855	0					
180-21		SCS_24h_Type_II_7.83in	4647-0236	1.804911	30.363	141.646
5.482	0					
180-22		SCS_24h_Type_II_7.83in	4547-0093	26.436495	74.057	1106.736
4.754	0					
180-23		SCS_24h_Type_II_7.83in	4547-0109	30.934557	72.035	1257.21
5.547	0					
180-24		SCS_24h_Type_II_7.83in	180-18	3.936697	99.182	123.683
2.645	0					
180-25		SCS_24h_Type_II_7.83in	180-18	2.214686	76.137	218.075
5.497	0					

180-26		SCS_24h_Type_II_7.83in 4647-0173	29.736026	80.789	750.148
4.581	0				
180-27		SCS_24h_Type_II_7.83in 180-25	73.927923	57.489	715.483
3.995	0				
180-28		SCS_24h_Type_II_7.83in 180-25	23.134601	103.314	1381.704
4.453	0				
180-29		SCS_24h_Type_II_7.83in 180-31	4.604655	11.107	136.328
6.132	0				
180-3		SCS_24h_Type_II_7.83in 4647-0036	43.699217	78.44	1257.934
4.217	0				
180-30		SCS_24h_Type_II_7.83in 180-31	28.217721	9.073	1172.547
2.447	0				
180-31		SCS_24h_Type_II_7.83in 180-33	0.447674	19.678	71.068
10.437	0				
180-32		SCS_24h_Type_II_7.83in 180-33	39.390636	71.592	586.544
4.319	0				
180-33		SCS_24h_Type_II_7.83in N184	3.237947	44.072	0.1
8.511	0				
180-4		SCS_24h_Type_II_7.83in 4747-0247	31.330126	61.731	1266.318
4.874	0				
180-5		SCS_24h_Type_II_7.83in 4647-0084	29.347572	7.969	1963.988
3.051	0				
180-6		SCS_24h_Type_II_7.83in 4647-0076	22.556646	56.037	303.363
6.299	0				
180-7		SCS_24h_Type_II_7.83in 4647-0084	1.395131	24.967	2209.182
4.625	0				
180-8		SCS_24h_Type_II_7.83in 4647-0084	20.481717	72.161	505.882
5.674	0				
180-9		SCS_24h_Type_II_7.83in 4647-0084	4.720718	9.538	835.248
4.406	0				
181		SCS_24h_Type_II_7.83in N199	510.805	48.614	1277.27
5.545	0				
182		SCS_24h_Type_II_7.83in 168	1068.604	15.98	1521.327
3.665	0				
183		SCS_24h_Type_II_7.83in N184	182.215	19.438	465.011
4.018	0				
184-1		SCS_24h_Type_II_7.83in 184-3	23.7315	137.07	984.428
1.658	0				
184-10		SCS_24h_Type_II_7.83in 4746-0083	26.384387	111.359	774.394
1.662	0				
184-11		SCS_24h_Type_II_7.83in 4746-0038	60.455041	96.066	542.509
2.566	0				
184-12		SCS_24h_Type_II_7.83in 184-20	129.941738	118.523	644.58
2.375	0				
184-13		SCS_24h_Type_II_7.83in 4746-3042	21.879216	0	757.55
1.543	0				
184-14		SCS_24h_Type_II_7.83in 4746-0312	16.632655	28.61	389.166
2.74	0				
184-15		SCS_24h_Type_II_7.83in 4746-0177	49.954819	52.808	959.103
1.617	0				
184-16		SCS_24h_Type_II_7.83in 4746-0177	1.52304	50.81	51.724
2.952	0				
184-17		SCS_24h_Type_II_7.83in 4746-0301	27.793734	114.156	559.451
3.177	0				
184-18		SCS_24h_Type_II_7.83in 184-15	18.518102	27.943	430.832
2.08	0				
184-19		SCS_24h_Type_II_7.83in 4846-0420	5.684758	18.633	105.84
4.654	0				
184-2		SCS_24h_Type_II_7.83in 184-3	53.299349	147.95	982.619
1.67	0				
184-20		SCS_24h_Type_II_7.83in 4846-3007	47.889355	123.112	511.288
2.684	0				

184-21		SCS_24h_Type_II_7.83in	4846-0420	21.666039	41.42	2436.412
2.109	0					
184-22		SCS_24h_Type_II_7.83in	184-18	25.943822	43.994	1105.022
1.472	0					
184-23		SCS_24h_Type_II_7.83in	184-17	41.479791	134.369	592.449
1.342	0					
184-24		SCS_24h_Type_II_7.83in	4746-0179	38.007349	103.556	590.352
1.824	0					
184-25		SCS_24h_Type_II_7.83in	4746-3042	66.746173	39.576	490.637
1.298	0					
184-26		SCS_24h_Type_II_7.83in	184-18	21.774992	55.405	229.803
1.736	0					
184-27		SCS_24h_Type_II_7.83in	184-26	27.687146	118.181	839.922
1.533	0					
184-28		SCS_24h_Type_II_7.83in	4746-3057	1.759905	125.374	79.529
2.315	0					
184-29		SCS_24h_Type_II_7.83in	4746-3057	24.536837	217.387	684.295
1.094	0					
184-3		SCS_24h_Type_II_7.83in	184-5	1.947029	137.07	177.56
2.327	0					
184-30		SCS_24h_Type_II_7.83in	4746-3057	42.706751	220.229	810.611
1.32	0					
184-31		SCS_24h_Type_II_7.83in	184-30	21.590243	250.637	1380.591
1.816	0					
184-32		SCS_24h_Type_II_7.83in	184-30	17.610909	152.751	469.665
2.14	0					
184-33		SCS_24h_Type_II_7.83in	4745-3012	42.571733	152.065	1268.883
2.043	0					
184-34		SCS_24h_Type_II_7.83in	4745-3012	30.944041	158.305	503.042
1.977	0					
184-4		SCS_24h_Type_II_7.83in	184-5	38.5853	139.587	2547.392
1.644	0					
184-5		SCS_24h_Type_II_7.83in	184-11	25.484299	129.717	261.128
1.874	0					
184-6		SCS_24h_Type_II_7.83in	4747-0128	19.392133	46.084	1060.494
2.982	0					
184-7		SCS_24h_Type_II_7.83in	4746-3042	50.693838	97.631	812.205
1.896	0					
184-8		SCS_24h_Type_II_7.83in	4746-3042	0.371878	0	294.436
1.734	0					
184-9		SCS_24h_Type_II_7.83in	4746-3042	10.727613	14.093	312.352
1.999	0					
185		SCS_24h_Type_II_7.83in	N190	255.397	28.903	133.524
1.332	0					
186		SCS_24h_Type_II_7.83in	183	1248.321	18.362	1124.891
5.002	0					
187		SCS_24h_Type_II_7.83in	N199	1214.4425	43.63	3857.559
5.312	0					
188		SCS_24h_Type_II_7.83in	202	1069.94	3.925	666.624
3.805	0					
189		SCS_24h_Type_II_7.83in	N219	703.495	21.838	1671.516
3.697	0					
190		SCS_24h_Type_II_7.83in	N219	615.707	40.068	784.468
1.412	0					
191		SCS_24h_Type_II_7.83in	202	895.511	0.715	1655.765
3.171	0					
192		SCS_24h_Type_II_7.83in	198	1849.0742	41.437	1685.241
4.287	0					
193		SCS_24h_Type_II_7.83in	198	995.1842	39.569	1091.385
5.004	0					
194		SCS_24h_Type_II_7.83in	N200	341.6875	58.72	1647.67
7.49	0					

195		SCS_24h_Type_II_7.83in N200	1888.1058	60.714	2187.489
3.588	0				
196		SCS_24h_Type_II_7.83in N210	539.0433	46.684	1585.154
5.758	0				
197		SCS_24h_Type_II_7.83in N210	1386.6958	57.149	3457.525
2.724	0				
198		SCS_24h_Type_II_7.83in N201	60.2075	29.34	1337.033
4.486	0				
199		SCS_24h_Type_II_7.83in N201	3337.5375	38.23	2886.58
5.33	0				
200		SCS_24h_Type_II_7.83in N203	6.1033	75.112	1507.617
27.947	0				
201		SCS_24h_Type_II_7.83in N203	253.6192	41.605	614.747
4.859	0				
202		SCS_24h_Type_II_7.83in 183	2706.729	3.622	1951.168
3.189	0				
203		SCS_24h_Type_II_7.83in N237	64.625	53.87	2954.194
13.832	0				
204		SCS_24h_Type_II_7.83in 207	1969.8342	48.358	1236.329
4.075	0				
205		SCS_24h_Type_II_7.83in 207	1310.8225	45.663	1899.319
3.058	0				
206		SCS_24h_Type_II_7.83in 208	751.4717	43.168	882.102
2.661	0				
207		SCS_24h_Type_II_7.83in 208	18.0608	0	4341.428
9.401	0				
208		SCS_24h_Type_II_7.83in 217	21.3	31.37	1503.547
5.744	0				
209		SCS_24h_Type_II_7.83in 217	1813.365	46.471	1072.781
3.259	0				
210		SCS_24h_Type_II_7.83in N212	71.1267	11.996	600.263
8.697	0				
211		SCS_24h_Type_II_7.83in N212	1032.36	43.898	1354.369
3.459	0				
212		SCS_24h_Type_II_7.83in N237	251.1892	19.623	2074.432
7.913	0				
215		SCS_24h_Type_II_7.83in 218	1240.3433	0.809	5839.316
2.587	0				
216		SCS_24h_Type_II_7.83in N244	1065.6158	22.288	1593.116
4.442	0				
217		SCS_24h_Type_II_7.83in N244	228.3733	29.603	1350.092
5.247	0				
218		SCS_24h_Type_II_7.83in N220	367.33	4.367	2150.985
3.084	0				
219		SCS_24h_Type_II_7.83in N228	3441.1283	14.27	1834.075
3.892	0				
220		SCS_24h_Type_II_7.83in N221	904.4983	8.13	1622.649
3.268	0				
221		SCS_24h_Type_II_7.83in N228	874.0142	2.341	2069.386
3.395	0				
222		SCS_24h_Type_II_7.83in 229	3065.3483	1.435	1097.529
3.112	0				
225		SCS_24h_Type_II_7.83in N231	476.1933	9.293	10220.231
9.562	0				
226		SCS_24h_Type_II_7.83in N227	3923.33	37.783	1143.769
3.784	0				
227		SCS_24h_Type_II_7.83in N231	8.3517	2.975	1456.451
17.35	0				
228		SCS_24h_Type_II_7.83in N227	1120.6433	8.088	3148.18
3.956	0				
229		SCS_24h_Type_II_7.83in 218	1560.415	0.762	1590.318
2.624	0				

230		SCS_24h_Type_II_7.83in 229	2658.0075	3.182	1952.871
2.677	0				
231		SCS_24h_Type_II_7.83in N240	20.5733	4.927	1756.339
10.083	0				
232		SCS_24h_Type_II_7.83in N221	1176.9742	0.372	4564.629
1.649	0				
233		SCS_24h_Type_II_7.83in 250	3587.1542	25.806	1035.681
4.089	0				
234		SCS_24h_Type_II_7.83in N240	981.4933	6.712	1717.88
2.923	0				
235		SCS_24h_Type_II_7.83in N220	2063.7158	1.679	2707.672
3.018	0				
236		SCS_24h_Type_II_7.83in 250	791.865	27.829	1134.838
4.887	0				
237		SCS_24h_Type_II_7.83in N242	1120.4933	31.335	3323.938
6.979	0				
238		SCS_24h_Type_II_7.83in N242	1429.6733	38.761	1598.897
4.575	0				
239		SCS_24h_Type_II_7.83in 243	1633.5767	20.68	2438.456
3.004	0				
240		SCS_24h_Type_II_7.83in N258	542.1658	0.722	1227.441
3.402	0				
241		SCS_24h_Type_II_7.83in N258	627.2542	1.041	2684.179
1.736	0				
242		SCS_24h_Type_II_7.83in N249	42.0908	0.787	3755.388
9.129	0				
243		SCS_24h_Type_II_7.83in 256	980.7217	22.398	1338.552
3.382	0				
244		SCS_24h_Type_II_7.83in 245	1120.3633	37.048	2952.119
4.941	0				
245		SCS_24h_Type_II_7.83in N249	1530.6092	31.51	4185.865
4.365	0				
248		SCS_24h_Type_II_7.83in 243	1948.9283	11.088	923.482
3.592	0				
249		SCS_24h_Type_II_7.83in N255	99.6925	8.555	6217.801
7.476	0				
250		SCS_24h_Type_II_7.83in N255	387.1775	7.388	2363.923
6.096	0				
255		SCS_24h_Type_II_7.83in N257	298.635	4.869	2122.514
5.946	0				
256		SCS_24h_Type_II_7.83in N257	986.31	10.521	3634.58
4.533	0				
257		SCS_24h_Type_II_7.83in N262	241.0375	11.86	3759.308
7.382	0				
258		SCS_24h_Type_II_7.83in N262	650.9025	3.586	2908.907
8.064	0				
262		SCS_24h_Type_II_7.83in Outfall	1455.5371	7.65	4595.961
4.081	0				
35		SCS_24h_Type_II_7.83in 54	2062.64	0.482	2471.369
1.939	0				
36		SCS_24h_Type_II_7.83in 54	1161.4708	0.34	2223.312
2.797	0				
49		SCS_24h_Type_II_7.83in 51	993.0225	2.598	2263.306
2.733	0				
50		SCS_24h_Type_II_7.83in 51	1930.2042	0.571	2561.652
3.115	0				
51		SCS_24h_Type_II_7.83in 59	14.23	1.335	1203.869
16.696	0				
52		SCS_24h_Type_II_7.83in 59	2311.9617	4.359	2290.186
3.759	0				
53		SCS_24h_Type_II_7.83in 69	1284.2083	0.448	1926.9
2.712	0				

54		SCS_24h_Type_II_7.83in 69	3424.11	0.558	1606.697
3.319	0				
58		SCS_24h_Type_II_7.83in 78	1092.0992	21.317	3497.877
2.572	0				
59		SCS_24h_Type_II_7.83in 78	7.3958	4.209	2233.889
14.959	0				
67		SCS_24h_Type_II_7.83in N95	783.3042	1.881	1997.925
5.05	0				
68		SCS_24h_Type_II_7.83in N93	4611.3008	3.368	1389.218
3.245	0				
69		SCS_24h_Type_II_7.83in N93	1426.9992	2.087	1632.069
3.392	0				
70		SCS_24h_Type_II_7.83in N95	987.4583	2	1493.711
1.74	0				
75		SCS_24h_Type_II_7.83in N82	768.032	0.364	1486.068
1.196	0				
76		SCS_24h_Type_II_7.83in 86	736.7608	0.914	2575.087
1.389	0				
77		SCS_24h_Type_II_7.83in 86	1816.8058	1.894	6499.961
1.908	0				
78		SCS_24h_Type_II_7.83in 92	1108.3267	3.603	837.563
2.328	0				
79		SCS_24h_Type_II_7.83in 92	855.1083	9.004	1172.424
3.375	0				
80		SCS_24h_Type_II_7.83in 103	2330.1092	2.281	752.707
3.585	0				
81		SCS_24h_Type_II_7.83in 103	1499.1008	4.405	5203.184
4.151	0				
82		SCS_24h_Type_II_7.83in N89	2620.257	0.161	607.658
0.479	0				
83		SCS_24h_Type_II_7.83in N89	2632.311	0.437	1910.561
1.655	0				
84		SCS_24h_Type_II_7.83in N110	1154.8275	0.833	792.334
2.241	0				
85		SCS_24h_Type_II_7.83in N90	1204.172	1.164	1020.232
1.733	0				
86		SCS_24h_Type_II_7.83in 87	1138.4575	2.967	1759.293
1.666	0				
87		SCS_24h_Type_II_7.83in N110	32.8333	20.097	1059.959
10.21	0				
88		SCS_24h_Type_II_7.83in 87	832.1483	3.212	1165.653
1.701	0				
89		SCS_24h_Type_II_7.83in N90	837.488	0.168	275.698
0.563	0				
90		SCS_24h_Type_II_7.83in N91	165.353	4.484	532.4
1.11	0				
91		SCS_24h_Type_II_7.83in N99	7.93	0	197.761
1.499	0				
92		SCS_24h_Type_II_7.83in N105	580.7392	16.888	2113.748
4.325	0				
93		SCS_24h_Type_II_7.83in N105	1988.2267	27.789	1571.058
5.473	0				
94		SCS_24h_Type_II_7.83in N94	2261.245	0.414	562.522
1.044	0				
95		SCS_24h_Type_II_7.83in N106	2239.2775	16.342	1620.03
3.828	0				
96		SCS_24h_Type_II_7.83in 97	2765.4025	5.402	1518.892
2.408	0				
97		SCS_24h_Type_II_7.83in N106	171.36	21.691	2199.752
5.907	0				
98		SCS_24h_Type_II_7.83in 97	934.9492	19.202	798.459
6.297	0				

99 SCS_24h_Type_II_7.83in N111 385.827 6.12 512.987
 0.965 0

[SUBAREAS]

;;Subcatchment PctRouted ;;-----	N-Imperv	N-Perv	S-Imperv	S-Perv	PctZero	RouteTo
100	0.015	0.048	0.075	0.13	26.5	PERVIOUS
25.861						
101	0.013	0.051	0.075	0.126	26.5	PERVIOUS
25.861						
102	0.007	0.076	0.075	0.062	45.05	PERVIOUS
12.93						
103	0.007	0.073	0.075	0.062	45.05	PERVIOUS
12.93						
104	0.008	0.056	0.075	0.057	45.05	PERVIOUS
12.93						
105	0.008	0.093	0.075	0.058	45.05	PERVIOUS
12.93						
106	0.008	0.058	0.075	0.056	45.05	PERVIOUS
12.93						
107	0.007	0.071	0.075	0.053	45.05	PERVIOUS
12.93						
108	0.007	0.074	0.075	0.064	45.05	PERVIOUS
12.93						
109	0.009	0.022	0.14	0.091	26.5	PERVIOUS
7.687						
110	0.007	0.061	0.075	0.062	45.05	PERVIOUS
12.93						
111	0.009	0.027	0.14	0.091	26.5	PERVIOUS
7.687						
112	0.009	0.024	0.14	0.091	26.5	PERVIOUS
7.687						
113	0.015	0.054	0.075	0.13	26.5	PERVIOUS
25.861						
114	0.009	0.02	0.14	0.092	26.5	PERVIOUS
7.687						
115	0.014	0.043	0.075	0.128	26.5	PERVIOUS
25.861						
116	0.006	0.064	0.075	0.058	45.05	PERVIOUS
12.93						
117	0.007	0.089	0.075	0.052	45.05	PERVIOUS
12.93						
118	0.006	0.058	0.075	0.056	45.05	PERVIOUS
12.93						
119	0.007	0.057	0.075	0.07	45.05	PERVIOUS
12.93						
120	0.007	0.036	0.075	0.052	45.05	PERVIOUS
12.93						
121	0.006	0.069	0.075	0.056	45.05	PERVIOUS
12.93						
122	0.006	0.063	0.075	0.062	45.05	PERVIOUS
12.93						
123	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
124	0.006	0.026	0.075	0.047	45.05	PERVIOUS
12.93						
125	0.008	0.054	0.075	0.065	45.05	PERVIOUS
12.93						
126	0.006	0.05	0.075	0.065	45.05	PERVIOUS
12.93						

127	0.007	0.042	0.075	0.057	45.05	PERVIOUS
12.93						
128	0.007	0.019	0.075	0.05	45.05	PERVIOUS
12.93						
129	0.007	0.049	0.075	0.054	45.05	PERVIOUS
12.93						
130	0.008	0.093	0.075	0.055	45.05	PERVIOUS
12.93						
131	0.007	0.096	0.075	0.06	45.05	PERVIOUS
12.93						
132	0.013	0.042	0.075	0.114	26.5	PERVIOUS
25.861						
133	0.013	0.052	0.075	0.122	26.5	PERVIOUS
25.861						
134	0.006	0.047	0.075	0.056	45.05	PERVIOUS
12.93						
135	0.006	0.063	0.075	0.048	45.05	PERVIOUS
12.93						
136	0.007	0.032	0.075	0.034	45.05	PERVIOUS
12.93						
137	0.006	0.016	0.075	0.036	45.05	PERVIOUS
12.93						
138	0.009	0.031	0.14	0.088	26.5	PERVIOUS
7.687						
139	0.009	0.028	0.14	0.091	26.5	PERVIOUS
7.687						
140	0.009	0.027	0.14	0.089	26.5	PERVIOUS
7.687						
141	0.015	0.049	0.075	0.13	26.5	PERVIOUS
25.861						
142	0.015	0.058	0.075	0.13	26.5	PERVIOUS
25.861						
143	0.015	0.062	0.075	0.13	26.5	PERVIOUS
25.861						
144	0.015	0.093	0.075	0.133	26.5	PERVIOUS
25.861						
145	0.015	0.06	0.075	0.13	26.5	PERVIOUS
25.861						
146	0.015	0.076	0.075	0.13	26.5	PERVIOUS
25.861						
147	0.008	0.062	0.075	0.065	45.05	PERVIOUS
12.93						
148	0.006	0.026	0.075	0.05	45.05	PERVIOUS
12.93						
149	0.007	0.039	0.075	0.055	45.05	PERVIOUS
12.93						
150	0.014	0.022	0.075	0.102	26.5	PERVIOUS
25.861						
151	0.007	0.026	0.075	0.05	45.05	PERVIOUS
12.93						
152	0.007	0.021	0.075	0.051	45.05	PERVIOUS
12.93						
153	0.015	0.06	0.075	0.13	26.5	PERVIOUS
25.861						
154-1	0.009	0.021	0.002	0.097	26.5	PERVIOUS
11.133						
154-10	0.009	0.026	0.002	0.074	26.5	PERVIOUS
11.133						
154-11	0.007	0.012	0.002	0.078	26.5	PERVIOUS
11.133						
154-12	0.009	0.011	0.002	0.082	26.5	PERVIOUS
11.133						

154-13	0.009	0.019	0.002	0.088	26.5	PERVIOUS
11.133						
154-14	0.009	0.01	0.002	0.08	26.5	PERVIOUS
11.133						
154-15	0.009	0.017	0.002	0.087	26.5	PERVIOUS
11.133						
154-16	0.008	0.008	0.002	0.074	26.5	PERVIOUS
11.133						
154-17	0.009	0.018	0.002	0.079	26.5	PERVIOUS
11.133						
154-18	0.009	0.006	0.002	0.066	26.5	PERVIOUS
11.133						
154-19	0.009	0.032	0.002	0.084	26.5	PERVIOUS
11.133						
154-2	0.009	0.032	0.002	0.088	26.5	PERVIOUS
11.133						
154-20	0.009	0.016	0.002	0.065	26.5	PERVIOUS
11.133						
154-21	0.009	0.007	0.002	0.067	26.5	PERVIOUS
11.133						
154-22	0.008	0.007	0.002	0.072	26.5	PERVIOUS
11.133						
154-23	0.009	0.032	0.002	0.093	26.5	PERVIOUS
11.133						
154-24	0.009	0.018	0.002	0.085	26.5	PERVIOUS
11.133						
154-25	0.009	0.024	0.002	0.091	26.5	PERVIOUS
11.133						
154-26	0.009	0.033	0.002	0.118	26.5	PERVIOUS
11.133						
154-27	0.009	0.006	0.002	0.07	26.5	PERVIOUS
11.133						
154-28	0.009	0.032	0.002	0.134	26.5	PERVIOUS
11.133						
154-29	0.009	0.023	0.002	0.068	26.5	PERVIOUS
11.133						
154-3	0.009	0.027	0.002	0.084	26.5	PERVIOUS
11.133						
154-30	0.009	0.016	0.002	0.074	26.5	PERVIOUS
11.133						
154-31	0.009	0.019	0.002	0.076	26.5	PERVIOUS
11.133						
154-4	0.008	0.006	0.002	0.062	26.5	PERVIOUS
11.133						
154-5	0.009	0.049	0.002	0.114	26.5	PERVIOUS
11.133						
154-6	0.009	0.015	0.002	0.074	26.5	PERVIOUS
11.133						
154-7	0.009	0.029	0.002	0.091	26.5	PERVIOUS
11.133						
154-8	0.009	0.034	0.002	0.109	26.5	PERVIOUS
11.133						
154-9	0.009	0.024	0.002	0.102	26.5	PERVIOUS
11.133						
155	0.015	0.07	0.075	0.13	26.5	PERVIOUS
25.861						
156	0.008	0.021	0.14	0.092	26.5	PERVIOUS
7.687						
157	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
158	0.007	0.026	0.075	0.048	45.05	PERVIOUS
12.93						

159	0.015	0.056	0.075	0.132	26.5	PERVIOUS
25.861						
160	0.007	0.033	0.075	0.052	45.05	PERVIOUS
12.93						
161	0.006	0.031	0.075	0.051	45.05	PERVIOUS
12.93						
162	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
163	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
164	0.007	0.019	0.075	0.048	45.05	PERVIOUS
12.93						
165	0.007	0.026	0.075	0.045	45.05	PERVIOUS
12.93						
166	0.006	0.015	0.075	0.05	45.05	PERVIOUS
12.93						
167	0.006	0.042	0.075	0.052	45.05	PERVIOUS
12.93						
168	0.014	0.074	0.075	0.126	26.5	PERVIOUS
25.861						
169-1	0.173	0.039	0.001	0.083	25	PERVIOUS
5.094						
169-10	0	0.061	0	0.092	25	PERVIOUS
5.094						
169-11	0.198	0.057	0.001	0.087	25	PERVIOUS
5.094						
169-12	0.173	0.062	0.001	0.084	25	PERVIOUS
5.094						
169-13	0	0.117	0	0.098	25	PERVIOUS
5.094						
169-14	0.198	0.05	0.001	0.089	25	PERVIOUS
5.094						
169-15	0.198	0.089	0.001	0.088	25	PERVIOUS
5.094						
169-16	0.198	0.086	0.001	0.088	25	PERVIOUS
5.094						
169-17	0.198	0.048	0.001	0.085	25	PERVIOUS
5.094						
169-18	0.198	0.059	0.001	0.088	25	PERVIOUS
5.094						
169-19	0.198	0.057	0.001	0.086	25	PERVIOUS
5.094						
169-2	0.198	0.048	0.001	0.087	25	PERVIOUS
5.094						
169-20	0.173	0.03	0.001	0.078	25	PERVIOUS
5.094						
169-21	0.185	0.063	0.001	0.086	25	PERVIOUS
5.094						
169-22	0.185	0.039	0.001	0.081	25	PERVIOUS
5.094						
169-23	0.198	0.038	0.001	0.07	25	PERVIOUS
5.094						
169-24	0.198	0.045	0.001	0.089	25	PERVIOUS
5.094						
169-25	0.185	0.014	0.001	0.06	25	PERVIOUS
5.094						
169-3	0.198	0.06	0.001	0.086	25	PERVIOUS
5.094						
169-4	0	0.051	0	0.088	25	PERVIOUS
5.094						
169-5	0	0.037	0	0.088	25	PERVIOUS
5.094						

169-6	0	0.034	0	0.088	25	PERVIOUS
5.094						
169-7	0.198	0.069	0.001	0.088	25	PERVIOUS
5.094						
169-8	0.198	0.082	0.001	0.085	25	PERVIOUS
5.094						
169-9	0	0.086	0	0.09	25	PERVIOUS
5.094						
170	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
171	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
172	0.007	0.046	0.075	0.05	45.05	PERVIOUS
12.93						
173	0.006	0.105	0.075	0.056	45.05	PERVIOUS
12.93						
174	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
175	0.009	0.036	0.075	0.054	26.5	PERVIOUS
6.842						
176	0.014	0.017	0.075	0.099	26.5	PERVIOUS
25.861						
177-1	0.185	0.014	0.001	0.066	25	PERVIOUS
5.094						
177-10	0.173	0.04	0.001	0.077	25	PERVIOUS
5.094						
177-11	0.185	0.048	0.001	0.086	25	PERVIOUS
5.094						
177-12	0.198	0.065	0.001	0.082	25	PERVIOUS
5.094						
177-13	0.198	0.106	0.001	0.085	25	PERVIOUS
5.094						
177-14	0.198	0.034	0.001	0.088	25	PERVIOUS
5.094						
177-15	0	0.034	0	0.088	25	PERVIOUS
5.094						
177-16	0.198	0.057	0.001	0.076	25	PERVIOUS
5.094						
177-17	0.198	0.034	0.001	0.088	25	PERVIOUS
5.094						
177-18	0.198	0.018	0.001	0.07	25	PERVIOUS
5.094						
177-19	0.198	0.046	0.001	0.086	25	PERVIOUS
5.094						
177-2	0.198	0.034	0.001	0.076	25	PERVIOUS
5.094						
177-20	0.198	0.07	0.001	0.088	25	PERVIOUS
5.094						
177-21	0.198	0.077	0.001	0.088	25	PERVIOUS
5.094						
177-22	0.198	0.095	0.001	0.078	25	PERVIOUS
5.094						
177-23	0	0.042	0	0.048	25	PERVIOUS
5.094						
177-24	0.198	0.072	0.001	0.078	25	PERVIOUS
5.094						
177-25	0.173	0.026	0.001	0.07	25	PERVIOUS
5.094						
177-26	0.173	0.04	0.001	0.074	25	PERVIOUS
5.094						
177-27	0.198	0.048	0.001	0.088	25	PERVIOUS
5.094						

177-3	0.185	0.036	0.001	0.085	25	PERVIOUS
5.094						
177-4	0.198	0.088	0.001	0.084	25	PERVIOUS
5.094						
177-5	0.173	0.052	0.001	0.073	25	PERVIOUS
5.094						
177-6	0.198	0.035	0.001	0.054	25	PERVIOUS
5.094						
177-7	0.185	0.014	0.001	0.066	25	PERVIOUS
5.094						
177-8	0.198	0.026	0.001	0.062	25	PERVIOUS
5.094						
177-9	0.198	0.062	0.001	0.085	25	PERVIOUS
5.094						
178	0.006	0.022	0.075	0.05	45.05	PERVIOUS
25.861						
179	0.014	0.052	0.075	0.13	26.5	PERVIOUS
25.861						
180-1	0.185	0.014	0.001	0.066	25	PERVIOUS
5.094						
180-10	0.198	0.021	0.001	0.062	25	PERVIOUS
5.094						
180-11	0.198	0.069	0.001	0.063	25	PERVIOUS
5.094						
180-12	0.198	0.032	0.001	0.066	25	PERVIOUS
5.094						
180-13	0.185	0.035	0.001	0.07	25	PERVIOUS
5.094						
180-14	0.198	0.014	0.001	0.067	25	PERVIOUS
5.094						
180-15	0.185	0.028	0.001	0.07	25	PERVIOUS
5.094						
180-16	0.173	0.013	0.001	0.066	25	PERVIOUS
5.094						
180-17	0.198	0.014	0.001	0.066	25	PERVIOUS
5.094						
180-18	0.185	0.027	0.001	0.077	25	PERVIOUS
5.094						
180-19	0.198	0.022	0.001	0.068	25	PERVIOUS
5.094						
180-2	0.185	0.014	0.001	0.066	25	PERVIOUS
5.094						
180-20	0	0.049	0	0.051	25	PERVIOUS
5.094						
180-21	0.198	0.056	0.001	0.066	25	PERVIOUS
5.094						
180-22	0.173	0.019	0.001	0.073	25	PERVIOUS
5.094						
180-23	0.173	0.025	0.001	0.074	25	PERVIOUS
5.094						
180-24	0.173	0.013	0.001	0.066	25	PERVIOUS
5.094						
180-25	0.185	0.014	0.001	0.066	25	PERVIOUS
5.094						
180-26	0.185	0.013	0.001	0.066	25	PERVIOUS
5.094						
180-27	0.173	0.054	0.001	0.079	25	PERVIOUS
5.094						
180-28	0.16	0.013	0.001	0.066	25	PERVIOUS
5.094						
180-29	0.173	0.102	0.001	0.084	25	PERVIOUS
5.094						

180-3 5.094	0.173	0.014	0.001	0.06	25	PERVIOUS
180-30 5.094	0.198	0.107	0.001	0.09	25	PERVIOUS
180-31 5.094	0.198	0.014	0.001	0.066	25	PERVIOUS
180-32 5.094	0.185	0.027	0.001	0.069	25	PERVIOUS
180-33 5.094	0.185	0.057	0.001	0.075	25	PERVIOUS
180-4 5.094	0.198	0.014	0.001	0.058	25	PERVIOUS
180-5 5.094	0.185	0.026	0.001	0.045	25	PERVIOUS
180-6 5.094	0.185	0.015	0.001	0.054	25	PERVIOUS
180-7 5.094	0.198	0.057	0.001	0.064	25	PERVIOUS
180-8 5.094	0.185	0.027	0.001	0.068	25	PERVIOUS
180-9 5.094	0.185	0.081	0.001	0.069	25	PERVIOUS
181 12.93	0.006	0.015	0.075	0.05	45.05	PERVIOUS
182 25.861	0.013	0.056	0.075	0.121	26.5	PERVIOUS
183 25.861	0.015	0.056	0.075	0.106	26.5	PERVIOUS
184-1 5.094	0.198	0.014	0.001	0.066	25	PERVIOUS
184-10 5.094	0.198	0.024	0.001	0.064	25	PERVIOUS
184-11 5.094	0.198	0.026	0.001	0.064	25	PERVIOUS
184-12 5.094	0.185	0.046	0.001	0.084	25	PERVIOUS
184-13 5.094	0	0.067	0	0.099	25	PERVIOUS
184-14 5.094	0.198	0.07	0.001	0.078	25	PERVIOUS
184-15 5.094	0.198	0.084	0.001	0.08	25	PERVIOUS
184-16 5.094	0.198	0.014	0.001	0.042	25	PERVIOUS
184-17 5.094	0.185	0.038	0.001	0.076	25	PERVIOUS
184-18 5.094	0.198	0.069	0.001	0.078	25	PERVIOUS
184-19 5.094	0.198	0.052	0.001	0.094	25	PERVIOUS
184-2 5.094	0.198	0.014	0.001	0.066	25	PERVIOUS
184-20 5.094	0.185	0.034	0.001	0.076	25	PERVIOUS
184-21 5.094	0.185	0.097	0.001	0.082	25	PERVIOUS
184-22 5.094	0.173	0.093	0.001	0.076	25	PERVIOUS
184-23 5.094	0.173	0.053	0.001	0.072	25	PERVIOUS
184-24 5.094	19.07	2.728	0.001	0.069	25	PERVIOUS

184-25	0.185	0.059	0.001	0.082	25	PERVIOUS
5.094						
184-26	0.198	0.058	0.001	0.076	25	PERVIOUS
5.094						
184-27	0.198	0.014	0.001	0.066	25	PERVIOUS
5.094						
184-28	0.198	0.028	0.001	0.07	25	PERVIOUS
5.094						
184-29	0.16	0.045	0.001	0.072	25	PERVIOUS
5.094						
184-3	0.198	0.014	0.001	0.066	25	PERVIOUS
5.094						
184-30	0.173	0.013	0.001	0.066	25	PERVIOUS
5.094						
184-31	0.16	0.037	0.001	0.071	25	PERVIOUS
5.094						
184-32	0.173	0.051	0.001	0.074	25	PERVIOUS
5.094						
184-33	0.185	0.016	0.001	0.062	25	PERVIOUS
5.094						
184-34	0.173	0.014	0.001	0.058	25	PERVIOUS
5.094						
184-4	0.198	0.014	0.001	0.066	25	PERVIOUS
5.094						
184-5	0.198	0.019	0.001	0.068	25	PERVIOUS
5.094						
184-6	0.198	0.026	0.001	0.052	25	PERVIOUS
5.094						
184-7	0.198	0.057	0.001	0.075	25	PERVIOUS
5.094						
184-8	0	0.097	0	0.129	25	PERVIOUS
5.094						
184-9	0.198	0.097	0.001	0.11	25	PERVIOUS
5.094						
185	0.009	0.036	0.075	0.054	26.5	PERVIOUS
6.842						
186	0.014	0.049	0.075	0.117	26.5	PERVIOUS
25.861						
187	0.006	0.031	0.075	0.051	45.05	PERVIOUS
12.93						
188	0.014	0.077	0.075	0.13	26.5	PERVIOUS
25.861						
189	0.006	0.039	0.075	0.06	45.05	PERVIOUS
12.93						
190	0.008	0.042	0.075	0.054	26.5	PERVIOUS
6.842						
191	0.015	0.069	0.075	0.131	26.5	PERVIOUS
25.861						
192	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
193	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
194	0.006	0.015	0.075	0.05	45.05	PERVIOUS
12.93						
195	0.006	0.015	0.075	0.05	45.05	PERVIOUS
12.93						
196	0.006	0.02	0.075	0.043	45.05	PERVIOUS
12.93						
197	0.006	0.015	0.075	0.05	45.05	PERVIOUS
12.93						
198	0.008	0.016	0.075	0.05	45.05	PERVIOUS
12.93						

199	0.006	0.04	0.075	0.052	45.05	PERVIOUS
12.93						
200	0.006	0.012	0.075	0.05	45.05	PERVIOUS
12.93						
201	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
202	0.014	0.049	0.075	0.13	26.5	PERVIOUS
25.861						
203	0.006	0.021	0.075	0.049	45.05	PERVIOUS
12.93						
204	0.006	0.032	0.075	0.05	45.05	PERVIOUS
12.93						
205	0.006	0.017	0.075	0.05	45.05	PERVIOUS
12.93						
206	0.007	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
207	0	0.015	0	0.05	45.05	PERVIOUS
12.93						
208	0.006	0.016	0.075	0.05	45.05	PERVIOUS
12.93						
209	0.006	0.017	0.075	0.048	45.05	PERVIOUS
12.93						
210	0.007	0.056	0.075	0.044	45.05	PERVIOUS
12.93						
211	0.007	0.027	0.075	0.05	45.05	PERVIOUS
12.93						
212	0.006	0.069	0.075	0.051	45.05	PERVIOUS
12.93						
215	0.008	0.061	0.075	0.065	45.05	PERVIOUS
12.93						
216	0.006	0.066	0.075	0.056	45.05	PERVIOUS
12.93						
217	0.006	0.038	0.075	0.046	45.05	PERVIOUS
12.93						
218	0.007	0.067	0.075	0.064	45.05	PERVIOUS
12.93						
219	0.006	0.052	0.075	0.061	45.05	PERVIOUS
12.93						
220	0.006	0.061	0.075	0.066	45.05	PERVIOUS
12.93						
221	0.006	0.05	0.075	0.066	45.05	PERVIOUS
12.93						
222	0.007	0.056	0.075	0.066	45.05	PERVIOUS
12.93						
225	0.007	0.114	0.075	0.061	45.05	PERVIOUS
12.93						
226	0.006	0.043	0.075	0.056	45.05	PERVIOUS
12.93						
227	0.008	0.13	0.075	0.065	45.05	PERVIOUS
12.93						
228	0.006	0.062	0.075	0.064	45.05	PERVIOUS
12.93						
229	0.008	0.058	0.075	0.066	45.05	PERVIOUS
12.93						
230	0.007	0.057	0.075	0.064	45.05	PERVIOUS
12.93						
231	0.008	0.1	0.075	0.066	45.05	PERVIOUS
12.93						
232	0.008	0.048	0.075	0.066	45.05	PERVIOUS
12.93						
233	0.006	0.076	0.075	0.06	45.05	PERVIOUS
12.93						

234	0.006	0.06	0.075	0.066	45.05	PERVIOUS
12.93						
235	0.008	0.061	0.075	0.066	45.05	PERVIOUS
12.93						
236	0.006	0.073	0.075	0.06	45.05	PERVIOUS
12.93						
237	0.006	0.066	0.075	0.057	45.05	PERVIOUS
12.93						
238	0.006	0.054	0.075	0.058	45.05	PERVIOUS
12.93						
239	0.007	0.067	0.075	0.057	45.05	PERVIOUS
12.93						
240	0.007	0.057	0.075	0.063	45.05	PERVIOUS
12.93						
241	0.006	0.045	0.075	0.065	45.05	PERVIOUS
12.93						
242	0.008	0.071	0.075	0.051	45.05	PERVIOUS
12.93						
243	0.007	0.058	0.075	0.056	45.05	PERVIOUS
12.93						
244	0.006	0.045	0.075	0.051	45.05	PERVIOUS
12.93						
245	0.007	0.047	0.075	0.054	45.05	PERVIOUS
12.93						
248	0.007	0.068	0.075	0.062	45.05	PERVIOUS
12.93						
249	0.007	0.067	0.075	0.052	45.05	PERVIOUS
12.93						
250	0.006	0.062	0.075	0.062	45.05	PERVIOUS
12.93						
255	0.007	0.09	0.075	0.06	45.05	PERVIOUS
12.93						
256	0.007	0.076	0.075	0.058	45.05	PERVIOUS
12.93						
257	0.007	0.066	0.075	0.057	45.05	PERVIOUS
12.93						
258	0.007	0.104	0.075	0.06	45.05	PERVIOUS
12.93						
262	0.006	0.075	0.075	0.092	45.05	PERVIOUS
12.93						
35	0.008	0.061	0.075	0.065	45.05	PERVIOUS
12.93						
36	0.008	0.08	0.075	0.066	45.05	PERVIOUS
12.93						
49	0.006	1.061	0.075	0.064	45.05	PERVIOUS
12.93						
50	0.007	0.073	0.075	0.065	45.05	PERVIOUS
12.93						
51	0.008	0.131	0.075	0.065	45.05	PERVIOUS
12.93						
52	0.007	0.076	0.075	0.064	45.05	PERVIOUS
12.93						
53	0.008	0.088	0.075	0.065	45.05	PERVIOUS
12.93						
54	0.008	0.085	0.075	0.066	45.05	PERVIOUS
12.93						
58	0.007	0.05	0.075	0.058	45.05	PERVIOUS
12.93						
59	0.008	0.111	0.075	0.062	45.05	PERVIOUS
12.93						
67	0.007	0.074	0.075	0.064	45.05	PERVIOUS
12.93						

68	0.006	0.086	0.075	0.065	45.05	PERVIOUS
12.93						
69	0.007	0.082	0.075	0.066	45.05	PERVIOUS
12.93						
70	0.008	0.062	0.075	0.065	45.05	PERVIOUS
12.93						
75	0.015	0.037	0.075	0.13	26.5	PERVIOUS
25.861						
76	0.007	0.039	0.075	0.065	45.05	PERVIOUS
12.93						
77	0.007	0.042	0.075	0.064	45.05	PERVIOUS
12.93						
78	0.007	0.071	0.075	0.064	45.05	PERVIOUS
12.93						
79	0.006	0.087	0.075	0.064	45.05	PERVIOUS
12.93						
80	0.007	0.086	0.075	0.064	45.05	PERVIOUS
12.93						
81	0.007	0.105	0.075	0.064	45.05	PERVIOUS
12.93						
82	0.009	0.015	0.14	0.091	26.5	PERVIOUS
7.687						
83	0.015	0.04	0.075	0.13	26.5	PERVIOUS
25.861						
84	0.007	0.051	0.075	0.064	45.05	PERVIOUS
12.93						
85	0.015	0.049	0.075	0.128	26.5	PERVIOUS
25.861						
86	0.007	0.043	0.075	0.064	45.05	PERVIOUS
12.93						
87	0.007	0.08	0.075	0.061	45.05	PERVIOUS
12.93						
88	0.007	0.056	0.075	0.064	45.05	PERVIOUS
12.93						
89	0.009	0.018	0.14	0.093	26.5	PERVIOUS
7.687						
90	0.009	0.023	0.14	0.088	26.5	PERVIOUS
7.687						
91	0	0.042	0	0.099	26.5	PERVIOUS
7.687						
92	0.006	0.062	0.075	0.062	45.05	PERVIOUS
12.93						
93	0.007	0.056	0.075	0.057	45.05	PERVIOUS
12.93						
94	0.009	0.02	0.14	0.092	26.5	PERVIOUS
7.687						
95	0.007	0.071	0.075	0.059	45.05	PERVIOUS
12.93						
96	0.007	0.062	0.075	0.062	45.05	PERVIOUS
12.93						
97	0.007	0.062	0.075	0.053	45.05	PERVIOUS
12.93						
98	0.007	0.064	0.075	0.052	45.05	PERVIOUS
12.93						
99	0.009	0.024	0.14	0.09	26.5	PERVIOUS
7.687						

[INFILTRATION]

;; Subcatchment	Suction	HydCon	IMDmax
;;-----	-----	-----	-----
100	9.698	0.364	0.126
101	8.79	0.743	0.111
102	12.094	1.389	0.058

103	12.094	1.389	0.058
104	12.094	0.258	0.058
105	18.426	0.036	0.06
106	12.094	0.258	0.058
107	6.331	6.481	0.06
108	12.094	1.455	0.072
109	11.84	0.153	0.272
110	12.094	1.455	0.072
111	11.84	0.153	0.272
112	11.84	0.153	0.272
113	9.698	0.364	0.126
114	7.771	0.316	0.312
115	9.698	0.364	0.126
116	12.094	0.258	0.058
117	2.822	11.209	0.073
118	18.426	0.022	0.068
119	16.701	1.389	0.056
120	18.426	0.022	0.068
121	16.701	1.389	0.056
122	12.094	1.389	0.058
123	12.094	1.389	0.058
124	12.094	1.995	0.074
125	18.426	0.036	0.06
126	18.426	0.681	0.063
127	12.094	4.052	0.072
128	12.094	4.052	0.072
129	2.822	14.19	0.068
130	2.822	11.209	0.073
131	6.331	6.481	0.06
132	6.365	0.751	0.144
133	9.698	0.029	0.123
134	18.426	0.036	0.06
135	16.701	1.389	0.056
136	1.463	25.705	0.194
137	1.463	0.002	0.194
138	10.732	0.313	0.244
139	10.732	0.313	0.244
140	10.732	0.313	0.241
141	8.79	0.743	0.111
142	9.698	0.364	0.126
143	9.698	0.364	0.126
144	9.698	0.364	0.126
145	9.698	0.364	0.126
146	9.698	0.364	0.126
147	16.701	1.389	0.056
148	12.665	0.002	0.076
149	12.094	1.389	0.058
150	8.79	0.743	0.111
151	12.665	0.002	0.076
152	12.665	0.002	0.076
153	9.698	0.364	0.126
154-1	11.84	0.153	0.272
154-10	11.84	0.153	0.272
154-11	11.84	0.153	0.272
154-12	11.84	0.153	0.272
154-13	11.84	0.153	0.272
154-14	11.84	0.153	0.272
154-15	11.84	0.153	0.272
154-16	11.84	0.153	0.272
154-17	11.84	0.153	0.272
154-18	11.84	0.153	0.272
154-19	11.84	0.153	0.272
154-2	11.84	0.153	0.272

154-20	11.84	0.153	0.272
154-21	11.84	0.153	0.272
154-22	11.84	0.153	0.272
154-23	11.84	0.153	0.272
154-24	11.84	0.153	0.272
154-25	11.84	0.153	0.272
154-26	11.84	0.153	0.272
154-27	11.84	0.153	0.272
154-28	11.84	0.153	0.272
154-29	11.84	0.153	0.272
154-3	11.84	0.153	0.272
154-30	11.84	0.153	0.272
154-31	11.84	0.153	0.272
154-4	11.84	0.153	0.272
154-5	11.84	0.153	0.272
154-6	11.84	0.153	0.272
154-7	11.84	0.153	0.272
154-8	11.84	0.153	0.272
154-9	11.84	0.153	0.272
155	9.698	0.364	0.126
156	11.84	0.153	0.272
157	12.665	0.002	0.076
158	12.665	0.002	0.076
159	9.698	0.364	0.126
160	12.665	0.002	0.076
161	18.426	0.022	0.068
162	12.665	0.002	0.076
163	12.094	1.389	0.058
164	12.665	0.002	0.076
165	12.665	0.002	0.076
166	12.665	0.002	0.076
167	18.426	0.034	0.062
168	9.698	0.364	0.126
169-1	134.512	1.061	2.624
169-10	134.512	1.061	2.624
169-11	134.512	1.061	2.624
169-12	134.512	1.061	2.624
169-13	134.512	1.061	2.624
169-14	134.512	1.061	2.624
169-15	134.512	1.061	2.624
169-16	134.512	1.061	2.624
169-17	134.512	1.061	2.624
169-18	134.512	1.061	2.624
169-19	134.512	1.061	2.624
169-2	134.512	1.061	2.624
169-20	134.512	1.061	2.624
169-21	134.512	1.061	2.624
169-22	134.512	1.061	2.596
169-23	134.512	1.061	2.624
169-24	134.512	1.061	2.624
169-25	134.512	1.061	2.624
169-3	134.512	1.061	2.624
169-4	134.512	1.061	2.624
169-5	134.512	1.061	2.624
169-6	134.512	1.061	2.624
169-7	134.512	1.061	2.624
169-8	134.512	1.061	2.624
169-9	134.512	1.061	2.624
170	12.094	1.389	0.058
171	12.094	1.389	0.058
172	12.094	1.404	0.072
173	6.331	6.481	0.06
174	12.665	0.002	0.076

175	17.492	0.58	0.182
176	6.365	0.751	0.144
177-1	114.229	0.302	1.144
177-10	114.229	0.302	1.144
177-11	114.229	0.302	1.144
177-12	114.229	0.302	1.144
177-13	114.229	0.302	1.144
177-14	114.229	0.302	1.144
177-15	114.229	0.302	1.144
177-16	114.229	0.302	1.144
177-17	114.229	0.302	1.144
177-18	114.229	0.302	1.144
177-19	114.229	0.302	1.144
177-2	114.229	0.302	1.144
177-20	114.229	0.302	1.144
177-21	114.229	0.302	1.144
177-22	114.229	0.302	1.144
177-23	114.229	0.302	1.144
177-24	114.229	0.302	1.144
177-25	114.229	0.302	1.144
177-26	114.229	0.302	1.144
177-27	114.229	0.302	1.144
177-3	114.229	0.302	1.144
177-4	114.229	0.302	1.144
177-5	114.229	0.302	1.144
177-6	114.229	0.302	1.144
177-7	114.229	0.302	1.144
177-8	114.229	0.302	1.144
177-9	114.229	0.302	1.144
178	6.666	0.001	0.151
179	9.698	0.364	0.126
180-1	206.032	0.964	1.635
180-10	206.032	0.964	1.635
180-11	206.032	0.964	1.635
180-12	206.032	0.964	1.635
180-13	206.032	0.964	1.635
180-14	206.032	0.964	1.635
180-15	206.032	0.964	1.635
180-16	206.032	0.964	1.635
180-17	206.032	0.964	1.635
180-18	206.032	0.964	1.635
180-19	206.032	0.964	1.635
180-2	206.032	0.964	1.635
180-20	206.032	0.964	1.635
180-21	206.032	0.964	1.635
180-22	206.032	0.964	1.635
180-23	206.032	0.964	1.635
180-24	206.032	0.964	1.635
180-25	206.032	0.964	1.635
180-26	206.032	0.964	1.635
180-27	206.032	0.964	1.635
180-28	206.032	0.964	1.635
180-29	206.032	0.964	1.635
180-3	206.032	0.964	1.635
180-30	206.032	0.964	1.635
180-31	206.032	0.964	1.635
180-32	206.032	0.964	1.635
180-33	206.032	0.964	1.635
180-4	206.032	0.964	1.635
180-5	206.032	0.964	1.635
180-6	206.032	0.964	1.635
180-7	206.032	0.964	1.635
180-8	206.032	0.964	1.635

180-9	206.032	0.964	1.635
181	12.665	0.002	0.076
182	9.698	0.364	0.126
183	9.698	0.018	0.14
184-1	206.032	0.964	1.635
184-10	206.032	0.964	1.635
184-11	206.032	0.964	1.635
184-12	206.032	0.964	1.635
184-13	206.032	0.964	1.635
184-14	206.032	0.964	1.635
184-15	206.032	0.964	1.635
184-16	206.032	0.964	1.635
184-17	206.032	0.964	1.635
184-18	206.032	0.964	1.635
184-19	206.032	0.964	1.635
184-2	206.032	0.964	1.635
184-20	206.032	0.964	1.635
184-21	206.032	0.964	1.635
184-22	206.032	0.964	1.635
184-23	206.032	0.964	1.635
184-24	206.032	0.964	1.635
184-25	206.032	0.964	1.635
184-26	206.032	0.964	1.635
184-27	206.032	0.964	1.635
184-28	206.032	0.964	1.635
184-29	206.032	0.964	1.635
184-3	206.032	0.964	1.635
184-30	206.032	0.964	1.635
184-31	206.032	0.964	1.635
184-32	206.032	0.964	1.635
184-33	206.032	0.964	1.635
184-34	206.032	0.964	1.635
184-4	206.032	0.964	1.635
184-5	206.032	0.964	1.635
184-6	206.032	0.964	1.635
184-7	206.032	0.964	1.635
184-8	206.032	0.964	1.635
184-9	206.032	0.964	1.635
185	17.492	0.58	0.18
186	6.365	0.751	0.144
187	18.426	0.028	0.064
188	9.698	0.364	0.126
189	12.094	1.404	0.072
190	12.667	0.586	0.233
191	9.698	0.364	0.126
192	12.665	0.002	0.076
193	12.094	1.389	0.058
194	12.665	0.002	0.076
195	12.665	0.002	0.076
196	12.665	0.002	0.076
197	12.665	0.002	0.076
198	12.665	0.002	0.076
199	12.665	0.002	0.076
200	12.665	0.002	0.076
201	12.094	1.389	0.058
202	9.698	0.364	0.126
203	16.701	1.389	0.056
204	12.094	0.258	0.058
205	12.665	0.002	0.076
206	12.665	0.002	0.076
207	6.331	7.336	0.069
208	18.426	0.385	0.062
209	12.665	0.002	0.076

210	12.665	0.002	0.076
211	12.665	0.002	0.076
212	6.331	6.481	0.06
215	18.426	0.681	0.063
216	6.331	7.336	0.069
217	18.426	0.385	0.062
218	18.426	0.681	0.063
219	12.094	1.404	0.072
220	18.426	0.036	0.06
221	12.094	1.404	0.072
222	18.426	0.681	0.063
225	18.426	0.036	0.06
226	12.094	1.404	0.072
227	16.701	1.389	0.056
228	16.701	1.389	0.056
229	18.426	0.681	0.063
230	12.094	1.404	0.072
231	18.426	0.036	0.06
232	18.426	0.036	0.06
233	12.665	0.002	0.076
234	12.094	1.404	0.072
235	18.426	0.036	0.06
236	18.426	0.034	0.062
237	6.331	6.481	0.06
238	12.094	1.389	0.058
239	6.331	6.481	0.06
240	12.094	1.404	0.072
241	18.426	0.681	0.063
242	2.822	14.19	0.068
243	6.331	6.481	0.06
244	6.331	7.336	0.069
245	6.331	6.481	0.06
248	18.426	0.036	0.06
249	2.822	14.19	0.064
250	2.822	14.19	0.068
255	16.701	1.389	0.056
256	6.331	6.481	0.06
257	12.094	1.995	0.074
258	2.822	11.209	0.073
262	21.698	2.386	0.143
35	18.426	0.034	0.062
36	18.426	0.022	0.079
49	12.094	1.389	0.058
50	18.426	0.681	0.063
51	18.426	0.036	0.06
52	12.094	1.389	0.058
53	18.426	0.036	0.06
54	12.094	1.389	0.058
58	18.426	0.052	0.062
59	18.426	0.052	0.062
67	16.701	1.389	0.056
68	12.094	1.389	0.058
69	18.426	0.022	0.068
70	16.701	1.389	0.056
75	18.426	0.681	0.063
76	18.426	0.681	0.063
77	16.701	1.389	0.056
78	18.426	0.036	0.06
79	18.426	0.036	0.06
80	18.426	0.022	0.068
81	18.426	0.022	0.068
82	10.732	0.313	0.241
83	9.698	0.364	0.126

84	12.094	0.258	0.058
85	9.698	0.364	0.126
86	12.094	1.404	0.072
87	16.701	1.389	0.056
88	12.094	1.404	0.072
89	11.84	0.153	0.272
90	10.732	0.313	0.241
91	10.732	0.313	0.244
92	18.426	0.036	0.06
93	18.426	0.036	0.06
94	10.732	0.313	0.244
95	12.094	0.258	0.058
96	16.701	1.389	0.056
97	16.701	1.389	0.056
98	18.426	0.036	0.06
99	10.732	0.313	0.241

[JUNCTIONS]

;;	Invert	Max.	Init.	Surcharge	Ponded
;;Name	Elev.	Depth	Depth	Depth	Area
;;-----	-----	-----	-----	-----	-----
4446-0021	1408.193	0	0	0	0
4446-0022	1408.937	0	0	0	0
4446-0023	1409.999	0	0	0	0
4446-0205	1407.064	0	0	0	0
4446-0212	1385.5	0	0	0	0
4446-0213	1385.4	0	0	0	0
4446-3003	1385.8	0	0	0	15
4446-3018	1414.246	0	0	0	15
4446-3019	1410.2	0	0	0	25
4446-3020	1404	0	0	0	0
4446-3027	1395.042	0	0	0	0
4446-3034	1404.346	0	0	0	0
4446-3047	1385.6	0	0	0	0
454-3038	1358.769	0	0	0	0
4546-0118	1381.56	0	0	0	0
4546-0132	1382	0	0	0	0
4546-0357	1385.1	0	0	0	0
4546-3007	1377.336	0	0	0	15
4547-0005	1347.684	7.05	0	0	0
4547-0008	1347.27	6.71	0	0	0
4547-0009	1347.274	0	0	0	0
4547-0107	1362.073	0	0	6.93	0
4547-0110	1361.205	0	0	8.15	0
4547-0111	1360.844	0	0	8.34	0
4547-0113	1352.798	0	0	8	0
4547-0149	1370.738	0	0	0	0
4547-0181	1340.815	0	0	8.48	0
4547-0182	1341.936	0	0	3.42	0
4547-0186	1352.085	0	0	7.79	0
4547-0203	1344.176	0	0	5.23	0
4547-0204	1342	0	0	0	15
4547-0205	1341.356	0	0	3.45	0
4547-0206	1342.477	0	0	4.28	0
4547-0207	1340.478	0	0	8.11	0
4547-0208	1339.363	0	0	8.06	0
4547-0209	1339.334	0	0	8.38	0
4547-0210	1339	0	0	8.87	0
4547-0216	1376.8	0	0	0	0
4547-0229	1364.508	0	0	7.56	0
4547-3012	1340.94	0	0	0	0
4547-3019	1344	0	0	0	0
4547-3020	1338.34	0	0	0	0

4547-3025	1342.58	0	0	0	0
4547-3029	1381.15	0	0	0	0
4547-3030	1375.9	0	0	0	0
4547-3032	1374.1	0	0	0	0
4547-3035	1371.4	0	0	0	0
4547-3036	1369.8	0	0	0	0
4547-3038	1367.2	0	0	0	0
4547-3040	1359	0	0	0	0
4547-3042	1344	0	0	0	0
4547-3044	1342.3	0	0	0	0
4548-0052	1351.783	0	0	0	0
4548-0063	1358.288	0	0	0	0
4548-3000	1347.59	0	0	0	0
4548-3002	1347.257	0	0	0	0
4548-3008	1345.7	0	0	0	0
4548-3009	1345.5	0	0	0	0
4548-3010	1345.22	0	0	0	0
4548-3013	1358.17	0	0	0	0
4548-3014	1339.37	0	0	0	0
4548-3015	1338.5	0	0	0	0
4548-3017	1336.097	0	0	0	0
4548-3018	1357.5	0	0	0	0
4548-3020	1354.7	0	0	0	0
4549-0012	1353.8	0	0	7.45	0
4549-0013	1353.441	7.9	0	0	1
4549-0017	1354	0	0	6.28	0
4549-0078	1352.4	6.26	0	0	0
4549-0079	1352.38	6.36	0	0	0
4549-0082	1352.42	4.8	0	0	0
4549-0083	1352.48	7.42	0	0	0
4549-0084	1352.5	5.68	0	0	0
4549-0085	1352.6	5.51	0	0	0
4549-0086	1352.8	0	0	5	0
4549-0102	1352.8	4.71	0	0	0
4549-0103	1353	4.57	0	0	0
4549-0105	1352	3.47	0	0	0
4549-0106	1351.8	0	0	0	0
4549-0120	1358.696	0	0	0	0
4549-0136	1364.561	0	0	0	0
4549-0137	1364.536	0	0	0	0
4549-0139	1364.926	0	0	0	0
4549-0145	1363.476	0	0	0	0
4549-0146	1365.014	0	0	0	0
4549-0148	1367.476	0	0	0	0
4549-0149	1367.682	0	0	0	0
4549-0152	1364.928	0	0	0	0
4549-0209	1348.37	4.59	0	0	0
4549-3024	1350	0	0	0	0
4647-0230	1336	0	0	0	0
4647-0236	1315.8	0	0	0	15
4647-0248a	1326.783	0	0	0	0
4647-0248b	1324.092	0	0	0	0
4647-0249	1330.726	0	0	0	0
4647-0252	1332.937	0	0	0	0
4647-0254	1336.635	0	0	7.88	0
4647-0261	1334.178	0	0	6.48	0
4647-0323	1326.2	0	0	0	0
4647-0328b	1339.574	0	0	0	0
4647-0328c	1338.612	0	0	0	0
4647-0329b	1319.047	0	0	0	30
4647-0345a	1332.461	0	0	0	0
4647-0345b	1331.347	0	0	0	0
4647-3000	1333.5	0	0	0	15

4647-3012	1326.642	0	0	0	0
4647-3013	1326.254	0	0	0	0
4647-3020	1322.377	0	0	0	0
4647-3030	1337.581	0	0	0	0
4647-3061	1317.5	0	0	0	15
4647-3085	1326.8	0	0	0	0
4647-3111	1327.823	0	0	0	0
4648-0068	1338.871	7.95	0	0	0
4648-0069	1337.944	8.81	0	0	0
4648-0071	1336.525	5.8	0	0	0
4648-0072	1331.705	6.16	0	0	0
4648-0074	1339.542	5.24	0	0	0
4648-0075	1342	3.81	0	0	0
4648-0076	1341.8	5.8	0	0	0
4648-0077	1341	4.3	0	0	0
4648-0126	1338	0	0	0	0
4648-0142	1334.425	8.24	0	0	0
4648-0148	1334.726	8.01	0	0	0
4648-0245	1322.547	0	0	0	0
4648-0246	1323.228	0	0	0	20
4648-0271	1329.7	0	0	0	0
4648-0281	1322.4	0	0	0	0
4648-0285	1324.101	0	0	0	0
4648-3002	1337.704	0	0	0	0
4648-3005	1335.068	0	0	0	0
4648-3019	1329.6	0	0	0	0
4648-3054	1327	0	0	0	15
4648-3056	1343.5	0	0	0	0
4648-3058	1333.3	0	0	0	30
4648-3059	1333.5	0	0	0	15
4648-3060	1324.03	0	0	0	15
4648-3062	1322.58	0	0	5	20
4648-3065	1340	0	0	0	0
4649-0022	1337.765	9.2	0	0	12
4649-0023b	1338.098	0	0	0	12
4649-0135a	1337	0	0	0	0
4649-0178	1347.738	4.84	0	0	0
4649-0214c	1340.4	0	0	10	25
4649-3037	1340.2	0	0	12	30
4745-3056	1323.776	0	0	0	15
4746-0012	1321.5	0	0	4.99	0
4746-0030	1321.069	0	0	10.44	0
4746-0032	1320.5	0	0	9	0
4746-0232	1329.159	0	0	4.2	0
4746-0299	1309	0	0	0	15
4746-0301	1306.2	0	0	0	0
4746-0305	1313.289	0	0	0	25
4746-0309	1309.822	0	0	0	25
4746-0313	1314.185	0	0	0	25
4746-0320	1306.5	0	0	0	0
4746-3037	1314.37	0	0	0	15
4746-3039	1308.5	0	0	0	82.021
4746-3042	1308.91	0	0	0	82.021
4746-3057	1323.58	0	0	0	0
4746-3058	1323.3	0	0	0	0
4746-3059	1323.23	0	0	0	0
4746-3060	1323	0	0	0	0
4747-0244	1331.6	0	0	3.06	0
4747-0350	1331.01	0	0	5.44	0
4747-3021	1337	0	0	0	0
4747-3031	1331.4	0	0	0	0
4846-0420	1306	0	0	0	0
4846-3005	1305.8	0	0	0	0

4846-3007	1306	0	0	0	0
N105	2249.3956	0	0	0	75.459
N106	2239.3237	0	0	0	328.084
N107	2238.5559	0	0	0	82.021
N109	1435.208	0	0	0	30
N110	2305.6067	0	0	0	49.213
N111	1351.439	0	0	0	65.617
N112	1346	0	0	0	65.617
N114	1345.5	0	0	0	65.617
;USGS Gage 07143375					
N117	2252.207	0	0	0	328.084
N118	2347.8522	0	0	0	32.808
N124	2271.4375	0	0	0	82.021
N130	2244.1595	0	0	0	328.084
N131	2234.4108	0	0	0	229.659
N137	2252.4034	0	0	0	82.021
N138	1337.816	0	0	0	49.213
N139	1345.136	0	0	0	82.021
N140	1346.854	0	0	0	49.213
N148	2218.5215	0	0	0	49.213
N149	2301.9045	0	0	0	49.213
N151	2234.3544	0	0	0	196.85
N154	1330.018	0	0	0	98.425
N154-1	1328.913	0	0	0	98.425
N154-17	1322.165	0	0	0	98.425
N154-23	1319.046	0	0	0	98.425
;USGS Station 07144480 (Calibration Point)					
N154-25	1316.806	0	0	0	98.425
N154-26	1316.137	0	0	0	98.425
N154-28	1312.141	0	0	0	98.425
N154-5	1325.17	0	0	0	98.425
N154-9	1325.082	0	0	0	98.425
N156	1375.863	0	0	0	49.213
N162	2192.7535	0	0	0	65.617
N164	2196.8746	0	0	0	262.467
N165	2213.4668	0	0	0	229.659
N166	2274.2333	0	0	0	32.808
N172	2250.2813	0	0	0	82.021
;This junction will divert flow from the Arkansas River to the WVC Floodway (Big Slough-Cowskin Creek Floodway, "Big Ditch") when the river discharge exceeds 5000 cfs at an elevation of 1311.0 ft.					
N173	2233.7935	0	0	0	262.467
N175	1312.188	0	0	0	98.425
N181	2272.59	0	0	0	49.213
N184	1314	0	0	0	82.021
N185	1310.677	0	0	0	131.234
N190	1305.621	0	0	0	131.234
N194	2189.4276	0	0	0	114.829
N196	2193.0186	0	0	0	295.276
N199	2237.759	0	0	0	82.021
N200	2158.073	0	0	0	114.829
N201	2157.9858	0	0	0	98.425
N203	2155.6226	0	0	0	196.85
;USGS Gage 07144300					
N210	2162.4113	0	0	0	328.084
N212	2157.0299	0	0	0	328.084
N216	2193.8103	0	0	0	65.617
N219	2231.55	0	0	0	164.042
N220	2233.6191	0	0	0	98.425
N221	2205.9222	0	0	0	114.829
N225	2213.0204	0	0	0	328.084
N227	2147.7241	0	0	0	229.659
N228	2163.5826	0	0	0	196.85

N231	2147.76	0	0	0	328.084
N237	2149.429	0	0	0	393.701
N240	2146.905	0	0	0	328.084
N242	2127.4982	0	0	0	393.701
N244	2171.7616	0	0	0	82.021
N249	2124.6853	0	0	0	393.701
N255	2119.7998	0	0	0	426.509
N257	2112.3698	0	0	0	393.701
N258	2146.0551	0	0	0	328.084
N262	2106.9799	0	0	0	459.318
;USGS Gage 07144200					
N73	2266.879	0	0	0	229.659
N82	1392.039	0	0	0	49.213
N89	1371.134	0	0	0	49.213
N90	1363.514	0	0	0	49.213
N91	1358.535	0	0	0	49.213
N93	2289.2488	0	0	0	65.617
N94	1428.055	0	0	0	49.213
N95	2264.4897	0	0	0	229.659
N99	1358	0	0	0	49.213

[OUTFALLS]

```

;;
;;Name          Invert      Outfall      Stage/Table      Tide
;;              Elev.        Type         Time Series      Gate
;;-----
;Entire model outlet. USGS Gage 07144550.
Outfall        1229.95      FREE                NO

```

[STORAGE]

```

;;
Ponded  Evap.      Invert      Max.      Init.      Storage      Curve
;;Name          Elev.      Depth      Depth      Curve      Params
Area          Frac.      Infiltration parameters
;;-----
;Detention Basin
4446-0013      1403      9.1968      0          TABULAR      4446-0013      0
0
;Detention Basin
4446-0025      1411.842  6.1562      0          TABULAR      4446-0025      0
0
;Detention Basin
4446-0030      1405.78   18.769      0          TABULAR      4446-0030      0
0
;Detention Basin
4446-0157      1418      30.7812     0          TABULAR      4446-0157      0
0
;Detention Basin
4446-0203      1409      28.1535     0          TABULAR      4446-0203      0
0
;Detention Basin
4446-0206      1393.447  6.1562      0          TABULAR      4446-0206      0
0
;Detention Basin
4546-3004      1385.327  6.1562      0          TABULAR      4546-3004      0
0
;Detention Basin
4547-0007      1348      9.2363      0          TABULAR      4547-0007      0
0
;Detention Basin
4547-0059      1345.35   6.1562      0          TABULAR      4547-0059      0
0
;Detention Basin

```

4547-0093	1342.242	6.1582	0	TABULAR	4547-0093	0
0						
4547-0109	1361.892	9.1968	0	TABULAR	4547-0109	0
0						
;Detention Basin						
4547-0175	1367.256	9.1968	0	TABULAR	4547-0175	0
0						
4547-0223	1355	9.1968	0	TABULAR	4547-0223	0
0						
;Detention Basin						
4547-0233	1368	9.1968	0	TABULAR	4547-0233	0
0						
;Detention Basin						
4547-0240	1375.6	9.1968	0	TABULAR	4547-0240	0
0						
;Detention Basin						
4547-3043	1343	30.0304	0	TABULAR	4547-3043	0
0						
;Detention Basin						
4547-3050	1370.413	9.1968	0	TABULAR	4547-3050	0
0						
;Detention Basin						
4548-0014	1346	6.1582	0	TABULAR	4548-0014	0
0						
;Detention Basin						
4548-3019	1357.12	6.1562	0	TABULAR	4548-3019	0
0						
;Detention Basin						
4548-3021	1355	6.1582	0	TABULAR	4548-3021	0
0						
;Detention Basin						
4549-0006	1355	11.483	0	TABULAR	4549-0006	0
0						
;Detention Basin						
4549-0015	1353	8.202	0	TABULAR	4549-0015	0
0						
;Detention Basin						
4549-0081	1353.11	5	0	TABULAR	4549-0081	0
0						
;Detention Basin						
4549-0115	1359.427	9.2363	0	TABULAR	4549-0115	0
0						
;Detention Basin						
4549-3028	1361.961	24.6249	0	TABULAR	4549-3028	0
0						
;Detention Basin						
4647-0036	1335.505	6.1582	0	TABULAR	4647-0036	0
0						
;Detention Basin						
4647-0041	1322.556	9.1968	0	TABULAR	4647-0041	0
0						
;Detention Basin						
4647-0076	1327	6.1582	0	TABULAR	4647-0076	0
0						
;Detention Basin						
4647-0084	1316	15.3906	0	TABULAR	4647-0084	0
0						
4647-0151	1320.752	9.1968	0	TABULAR	4647-0151	0
0						
;Detention Basin						
4647-0173	1319.096	6.1582	0	TABULAR	4647-0173	0
0						
;Detention Basin						

4647-0174	1322.147	6.1582	0	TABULAR	4647-0174	0
0						
;Detention Basin						
4647-0190	1339.669	6.1562	0	TABULAR	4647-0190	0
0						
;Detention Basin						
4647-0221	1326.448	9.1968	0	TABULAR	4647-0221	0
0						
;Detention Basin						
4647-0300	1324.316	6.1582	0	TABULAR	4647-0300	0
0						
;Detention Basin						
4647-0322	1326.568	9.1968	0	TABULAR	4647-0322	0
0						
;Detention Basin						
4647-3001	1332	6.1582	0	TABULAR	4647-3001	0
0						
;Detention Basin						
4647-3004	1331	9.1968	0	TABULAR	4647-3004	0
0						
;Detention Basin						
4647-3023	1318.602	6.1582	0	TABULAR	4647-3023	0
0						
;Detention Basin						
4647-3069	1316.496	9.1968	0	TABULAR	4647-3069	0
0						
;Detention Basin						
4647-3094	1337.587	6.1582	0	TABULAR	4647-3094	0
0						
;Detention Basin						
4647-3109	1330.495	6.1582	0	TABULAR	4647-3109	0
0						
;Detention Basin						
4647-3118	1333.065	6.1562	0	TABULAR	4647-3118	0
0						
;Detention Basin						
4648-0018	1338.2	10	0	TABULAR	4648-0018	0
0						
;Detention Basin						
4648-0025	1328	4.921	0	TABULAR	4648-0025	0
0						
;Detention Basin						
4648-0033	1327.118	3.281	0	TABULAR	4648-0033	0
0						
;Detention Basin						
4648-0034	1324.206	4.921	0	TABULAR	4648-0034	0
0						
;Detention Basin						
4648-0049	1329.863	4.921	0	TABULAR	4648-0049	0
0						
;Detention Basin						
4648-0083	1343	4.921	0	TABULAR	4648-0083	0
0						
;Detention Basin						
4648-0115	1338.5	8	0	TABULAR	4648-0115	0
0						
;Detention Basin						
4648-0145	1330	3.281	0	TABULAR	4648-0145	0
0						
;Detention Basin						
4648-0147	1328	4.921	0	TABULAR	4648-0147	0
0						
;Detention Basin						

4648-0151	1335	6.562	0	TABULAR	4648-0151	0
0						
;Detention Basin						
4649-0025	1337.619	6.562	0	TABULAR	4649-0025	0
0						
;Detention Basin						
4649-0062	1331.598	8.202	0	TABULAR	4649-0062	0
0						
4649-0080	1326.862	4.921	0	TABULAR	4649-0080	0
0						
;Detention Basin						
4649-0101	1346.95	1.64	0	TABULAR	4649-0101	0
0						
4649-0136	1345.036	3.28	0	TABULAR	4649-0136	0
0						
;Detention Basin						
4649-0163	1330	4.921	0	TABULAR	4649-0163	0
0						
;Detention Basin						
4745-3012	1327.101	6.1582	0	TABULAR	4745-3012	0
0						
;Detention Basin						
4746-0009	1322.837	12.3125	0	TABULAR	4746-0009	0
0						
;Detention Basin						
4746-0038	1322.054	15.3906	0	TABULAR	4746-0038	0
0						
;Detention Basin						
4746-0039	1320	9.197	0	TABULAR	4746-0039	0
0						
;Detention Basin						
4746-0056	1313.349	9.1968	0	TABULAR	4746-0056	0
0						
;Detention Basin						
4746-0083	1320.926	6.1582	0	TABULAR	4746-0083	0
0						
;Detention Basin						
4746-0177	1307	28.154	0	TABULAR	4746-0177	0
0						
;Detention Basin						
4746-0179	1310	6.158	0	TABULAR	4746-0179	0
0						
;Detention Basin						
4746-0307	1309.945	12	0	TABULAR	4746-0307	0
0						
;Detention Basin						
4746-0312	1311.038	10	0	TABULAR	4746-0312	0
0						
;Detention Basin						
4746-0314	1319.633	9.1968	0	TABULAR	4746-0314	0
0						
;Detention Basin						
4747-0128	1331.8	15.3906	0	TABULAR	4747-0128	0
0						
;Detention Basin						
4747-0247	1337.913	12.3125	0	TABULAR	4747-0247	0
0						
;Detention Basin						
4748-0115	1321.589	6.562	0	TABULAR	4748-0115	0
0						
4748-0139	1322.334	10	0	TABULAR	4748-0139	0
0						

[CONDUITS]

;;	Inlet	Outlet	Manning	Inlet		
Outlet	Init.	Max.				
;;Name	Node	Node	N	Offset		
Offset	Flow	Flow	Length			
;;	-----					
1	4649-0025	4649-0135a	57.846	0.0657	0	0
0	0					
2	4746-3039	4746-0177	2117.541	0.04	0	0
0	0					
;Chisholm Creek						
L105	N105	N107	4110.3624	0.0512	0	0
0	0					
;Little Arkansas						
L106	N106	N131	4191.8545	0.0512	0	0
0	0					
;Chisholm Creek						
L107	N107	N131	404.0842	0.0512	0	0
0	0					
;Cowskin Creek Tributary						
L109	N109	N91	25666.112	0.0657	0	0
0	0					
;Big Slough						
L110	N110	N124	11829.3812	0.0512	0	0
0	0					
;Cowskin Creek						
L111	N111	N112	12387.136	0.0657	0	0
0	0					
;Cowskin Creek						
L112	N112	N114	6459.47	0.0657	0	0
0	0					
;Cowskin Creek						
L114	N114	N139	4103.385	0.0657	0	0
0	0					
;Arkansas River						
L117	N117	N130	7307.8824	0.0512	0	0
0	0					
;East Fork Chisholm Creek						
L118	N118	N149	12447.0394	0.0512	0	0
0	0					
;Big Slough						
L124	N124	N137	6836.8073	0.0512	0	0
0	0					
;Arkansas River						
L130	N130	N173	5640.0345	0.0512	0	0
0	0					
;Little Arkansas River						
L131	N131	N151	9813.3406	0.0512	0	0
0	0					
;This floodway diverts water from the Little Arkansas River to the Chisholm diversion at an elevation of 1310.8, when the river discharge exceeds 1400 cfs.						
L131d	N151	N173	1791.663	0.0512	4.16	0
0	0					
;Big Slough						
L137	N137	N172	1436.4552	0.0512	0	0
0	0					
;Dry Creek						
L138	N138	N154	8808.282	0.0657	0	0
0	0					
;Cowskin Creek						
L139	N139	N154	24001.574	0.0657	0	0
0	0					

;Dry Creek							
L140	N140	N138	8716.689	0.0657	0	0	0
0	0						
;Chisholm Creek							
L148	N148	N162	6170.4091	0.0512	0	0	0
0	0						
;East Fork Chisholm Creek							
L149	N149	N162	19447.44	0.0512	0	0	0
0	0						
;Little Arkansas River							
L151	N151	N165	19857.0376	0.0512	0	0	0
0	0						
;Cowskin Creek							
L154-1	N154	N154-1	1221.39	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-17	N154-17	N154-23	3085.637	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-23	N154-23	N154-25	1542.458	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-25	N154-25	N154-26	1740.68	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-26	N154-26	N154-28	3377.318	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-28	N154-28	N175	1232.888	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-5	N154-5	N154-9	261.333	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-8	N154-1	N154-5	8249.493	0.0657	0	0	0
0	0						
;Cowskin Creek							
L154-9	N154-9	N154-17	3890.973	0.0657	0	0	0
0	0						
;Dry Creek							
L156	N156	N140	27720.465	0.0657	0	0	0
0	0						
;Arkansas River							
L158	N173	N164	11997.0388	0.0512	0	0	0
0	0						
;Chisholm Creek							
L162	N162	N194	2601.9661	0.0512	0	0	0
0	0						
;Arkansas River							
L164	N164	N196	4493.7915	0.0512	0	0	0
0	0						
;Little Arkansas River							
L165	N165	N196	4819.1285	0.0512	0	0	0
0	0						
;Gypsum Creek							
L166	N166	N181	2228.5242	0.0512	0	0	0
0	0						
;Big Slough							
L172	N172	N225	13828.1679	0.0512	0	0	0
0	0						
;WVC Floodway - Water is diverted to this floodway from the Arkansas River when the river discharge exceeds 5,000 cfs (at an elevation of 1311.0 ft).							

L173	N173	N225	14253.7333	0.0512	4.688	0
0	0					
;Cowskin Creek						
L175	N175	N185	15148.324	0.0592	0	0
0	0					
;Gypsum Creek						
L181	N181	N199	3931.1861	0.0512	0	0
0	0					
;Cowskin Creek						
L185	N185	N190	4678.334	0.0592	0	0
0	0					
;Cowskin Creek						
L190	N190	N219	7196.992	0.0592	0	0
0	0					
;Chisholm Creek						
L194	N194	N200	11400.4776	0.0512	0	0
0	0					
;Arkansas River						
L196	N196	N210	14928.1497	0.0512	0	0
0	0					
;Gypsum Creek						
L199	N199	N201	15285.8018	0.0512	0	0
0	0					
;Chisholm Creek						
L200	N200	N203	1003.9588	0.0512	0	0
0	0					
;Gypsum Creek						
L201	N201	N203	518.2442	0.0512	0	0
0	0					
;Gypsum Creek						
L203	N203	N237	2563.6855	0.0512	0	0
0	0					
;Arkansas River						
L210	N210	N212	5196.9442	0.0512	0	0
0	0					
;Arkansas River						
L212	N212	N237	6335.763	0.0512	0	0
0	0					
;Big Slough						
L216	N216	N244	8269.3788	0.0512	0	0
0	0					
;Cowskin Creek						
L219	N219	N228	17988.9685	0.0512	0	0
0	0					
;Dry Creek						
L220	N220	N221	9862.8964	0.0512	0	0
0	0					
;Dry Creek						
L221	N221	N228	88539.4121	0.0512	0	0
0	0					
;WVC Floodway						
L225	N225	N231	20553.5018	0.0512	0	0
0	0					
;Cowskin Creek						
L227	N227	N231	861.9303	0.0512	0	0
0	0					
;Cowskin Creek						
L228	N228	N227	6715.9048	0.0512	0	0
0	0					
;WVC Floodway						
L231	N231	N240	895.3364	0.0512	0	0
0	0					
;Arkansas River						

L237	N237	N242	13376.84	0.0512	0	0
0	0					
;WVC Floodway						
L240	N240	N258	4668.0764	0.0512	0	0
0	0					
;Arkansas River						
L242	N242	N249	1930.0752	0.0512	0	0
0	0					
;Big Slough						
L244	N244	N249	11927.4085	0.0512	0	0
0	0					
;Arkansas River						
L249	N249	N255	3369.8485	0.0512	0	0
0	0					
;Arkansas River						
L255	N255	N257	4052.3764	0.0512	0	0
0	0					
;Arkansas River						
L257	N257	N262	3228.1842	0.0512	0	0
0	0					
;WVC Floodway						
L258	N258	N262	21095.8824	0.0512	0	0
0	0					
;Arkansas River						
L262	N262	Outfall	1387.3073	0.0512	0	0
0	0					
L4446-0021	4446-0021	4446-3027	721.528	0.04	0	0
0	0					
L4446-0022	4446-0022	4446-0021	45.64	0.013	0	0
0	0					
L4446-0023	4446-0023	4446-0022	14.783	0.04	0	0
0	0					
L4446-0024	4446-0025	4446-0023	146.409	0.013	0	0
0	0					
L4446-0199	4446-0157	4446-3018	32.366	0.04	0	0
0	0					
L4446-0201	4446-0030	4446-3034	377.172	0.04	0	0
0	0					
L4446-0202	4446-3027	4446-0206	300	0.04	0	0
0	0					
L4446-0202a	4446-0013	4446-3034	10.341	0.04	0	0
0	0					
L4446-0202b	4446-3034	4446-3027	700	0.04	0	0
0	0					
L4446-0204	4446-0203	4446-0205	60.719	0.024	0	0
0	0					
L4446-0205	4446-0205	4446-3020	54.599	0.04	0	0
0	0					
L4446-0212	4446-0212	4446-0213	24.336	0.024	0	0
0	0					
L4446-0213	4446-0213	4546-0357	170.788	0.04	0	0
0	0					
L4446-0215	4446-3003	4446-3047	17.39	0.013	0	0
0	0					
L4446-3018	4446-3018	4446-3019	1039.004	0.04	0	0
0	0					
L4446-3019	4446-3019	4446-0203	728.498	0.04	0	0
0	0					
L44463020	4446-3020	4446-0013	905.478	0.04	0	0
0	0					
L4446-3024	4446-0206	4446-3003	1038.549	0.04	0	0
0	0					

L4446-3047	4446-3047	4446-0212	47.53	0.04	0	0
0	0					
L4546-0113	4546-3007	4547-0216	29.871	0.013	0	0
0						
L4546-0118	4546-0118	4546-3007	276.659	0.04	0	0
0						
L4546-0119	4546-3004	4546-0118	121.582	0.013	0	0
0						
L4546-0132	4546-0132	4547-3029	36.519	0.013	0	0
0						
L4546-0357	4546-0357	4546-0132	674.228	0.04	0	0
0						
L4547-0005	4547-0005	4547-0008	325.391	0.013	0	0
0						
L4547-0006	4547-0007	4547-0005	59.504	0.013	0	0
0						
L4547-0008	4547-0008	4547-0009	25.135	0.013	0	0
0						
L4547-0009	4547-0009	4547-3012	765.831	0.04	0	0
0						
L4547-0083	4547-0059	4547-3019	48.841	0.013	0	0
0						
L4547-0107	4547-0107	4547-0110	111.533	0.013	0	0
0						
L4547-0108	4547-0109	4547-0229	37.97	0.013	0	0
0						
L4547-0110	4547-0110	4547-0111	75.086	0.013	0	0
0						
L4547-0111	4547-0111	4547-0113	243.344	0.013	0	0
0						
L4547-0113	4547-0113	4547-0186	124.902	0.013	0	0
0						
L4547-0152	4547-3035	4547-3036	60.095	0.013	0	0
0						
L4547-0181	4547-0181	4547-0209	56.713	0.013	0	0
0						
L4547-0182	4547-0182	4547-0181	265.22	0.013	0	0
0						
L4547-0186	4547-0186	4547-3025	366.214	0.013	0	0
0						
L4547-0188	4547-3012	4548-3014	38.633	0.024	0	0
0						
L4547-0199	4547-3020	4647-3030	28.866	0.024	0	0
0						
L4547-0202	4547-0093	4547-0203	47.8	0.013	0	0
0						
L4547-0203	4547-0203	4547-0206	403.593	0.013	0	0
0						
L4547-0204	4547-0204	4547-0205	18.889	0.04	0	0
0						
L4547-0205	4547-0205	4547-0207	163.155	0.013	0	0
0						
L4547-0206	4547-0206	4547-0204	40.479	0.013	0	0
0						
L4547-0207	4547-0207	4547-0208	121.924	0.013	0	0
0						
L4547-0208	4547-0208	4547-0209	62.976	0.013	0	0
0						
L4547-0209	4547-0209	4547-0210	30.744	0.013	0	0
0						
L4547-0210	4547-0210	4647-0254	146.485	0.013	0	0
0						

L4547-0216	4547-0216	4547-0149	403.112	0.04	0	0
0	0					
L4547-0229	4547-0229	4547-0107	151.259	0.013	0	0
0	0					
L4547-0231	4547-3050	4547-0233	50.381	0.04	0	0
0	0					
L4547-0235	4547-0175	4547-3040	508.556	0.04	0	0
0	0					
L4547-0236	4547-0233	4547-3038	46.51	0.04	0	0
0	0					
L4547-0237	4547-0240	4547-3032	36.707	0.013	0	0
0	0					
L4547-3019	4547-3019	4547-3020	842.463	0.04	0	0
0	0					
L4547-3025	4547-3025	4547-0182	48.257	0.04	0	0
0	0					
L4547-3029	4547-3029	4547-3030	712.99	0.04	0	0
0	0					
L4547-3030	4547-3030	4547-0240	685.19	0.04	0	0
0	0					
L4547-3032	4547-3032	4547-0149	280.873	0.04	0	0
0	0					
L4547-3033	4547-0149	4547-3035	73.846	0.04	0	0
0	0					
L4547-3036	4547-3036	4547-3038	1340.658	0.04	0	0
0	0					
L4547-3038	4547-3038	4547-0175	551.983	0.04	0	0
0	0					
L4547-3039	4547-0223	4547-3042	689.531	0.04	0	0
0	0					
L4547-3040	4547-3040	4547-0223	1348.943	0.04	0	0
0	0					
L4547-3042	4547-3042	4547-3043	1079.549	0.04	0	0
0	0					
L4547-3043	4547-3043	4547-3044	75.172	0.04	0	0
0	0					
L4547-3044	4547-3044	4547-3020	264.883	0.04	0	0
0	0					
L4548-0026	4548-3000	4548-3002	74.71	0.013	0	0
0	0					
L4548-0038	4548-3008	4548-3009	70.045	0.013	0	0
0	0					
L4548-0047	4548-3010	4648-3056	36.858	0.024	0	0
0	0					
L4548-0052	4548-0052	4548-3000	747.78	0.04	0	0
0	0					
L4548-0063	4548-0063	4548-3013	287.251	0.04	0	0
0	0					
L4548-3002	4548-3002	4548-0014	137.772	0.04	0	0
0	0					
L4548-3009	4548-3009	4548-3010	183.091	0.04	0	0
0	0					
L4548-3011	4548-0014	4548-3008	166.211	0.04	0	0
0	0					
L4548-3013	4548-3013	4548-3018	449.989	0.04	0	0
0	0					
L4548-3014	4548-3014	4548-3015	10.138	0.04	0	0
0	0					
L4548-3015	4548-3015	4548-3017	226.187	0.04	0	0
0	0					
L4548-3018	4548-3018	4548-3019	49.695	0.024	0	0
0	0					

L4548-3019	4548-3019	4548-3021	672.716	0.04	0	0
0	0					
L4548-3020	4548-3020	4548-0052	81.247	0.04	0	0
0	0					
L4548-3021	4548-3021	4548-3020	53.863	0.04	0	0
0	0					
L4549-0012	4549-0012	4549-0013	42.058	0.0213	0	0
0	0					
L4549-0013	4549-0013	4549-0015	95.185	0.0213	0	0
0	0					
L4549-0016	4549-0006	4549-0017	36.344	0.0213	0	0
0	0					
L4549-0017	4549-0017	4549-0012	137.934	0.0213	0	0
0	0					
L4549-0078	4549-0078	4549-0079	42.045	0.0213	0	0
0	0					
L4549-0079	4549-0079	4549-0081	153.138	0.0213	0	0
0	0					
L4549-0082	4549-0082	4549-0078	135.001	0.0213	0	0
0	0					
L4549-0083	4549-0083	4549-0082	127.76	0.0213	0	0
0	0					
L4549-0085	4549-0085	4549-0084	41.932	0.0213	0	0
0	0					
L4549-0086	4549-0086	4549-0085	135.176	0.0213	0	0
0	0					
L4549-0087	4549-0015	4549-0086	36.27	0.0213	0	0
0	0					
L4549-0094	4549-0084	4549-0083	169.021	0.0213	0	0
0	0					
L4549-0102	4549-0102	4549-0105	120.995	0.0213	0	0
0	0					
L4549-0103	4549-0103	4549-0102	41.864	0.0213	0	0
0	0					
L4549-0104	4549-0081	4549-0103	27.314	0.0213	0	0
0	0					
L4549-0105	4549-0105	4549-0106	78.75	0.0213	0	0
0	0					
L4549-0106	4549-0106	4549-3024	609.189	0.0657	0	0
0	0					
L4549-0116	4549-0115	454-3038	52.698	0.013	0	0
0	0					
L4549-0120	4549-0120	4548-0063	36.893	0.024	0	0
0	0					
L4549-0136	4549-0136	4549-0137	41.869	0.013	0	0
0	0					
L4549-0137	4549-0137	4549-0115	135.385	0.013	0	0
0	0					
L4549-0139	4549-0139	4549-0136	183.332	0.013	0	0
0	0					
L4549-0145	4549-0145	4549-0139	45.901	0.013	0	0
0	0					
L4549-0146	4549-0146	4549-0145	166.686	0.013	0	0
0	0					
L4549-0148	4549-0148	4549-0152	205.469	0.013	0	0
0	0					
L4549-0149	4549-0149	4549-0148	42.158	0.013	0	0
0	0					
L4549-0150	4549-3028	4549-0149	40.728	0.013	0	0
0	0					
L4549-0152	4549-0152	4549-0146	81.561	0.013	0	0
0	0					

L4549-0209 0	4549-0209	4649-0178	42.637	0.0213	0	0
L4549-3024 0	4549-3024	4549-0209	10	0.066	0	0
L4549-3038 0	454-3038	4549-0120	35.42	0.04	0	0
L4647-0017a 0	4647-3094	4647-0036	48.888	0.013	0	0
L4647-0054 0	4647-0036	4647-3109	59.533	0.013	0	0
L4647-0099 0	4647-3111	4647-0076	119.068	0.013	0	0
L4647-0117 0	4647-3069	4647-0084	85.891	0.013	0	0
L4647-0135 0	4647-3061	4647-3069	57.784	0.013	0	0
L4647-0172 0	4647-0174	4647-0173	109.443	0.013	0	0
L4647-0230 0	4647-0230	4647-3109	124.402	0.013	0	0
L4647-0236 0	4647-0236	N184	2353.382	0.04	0	0
L4647-0248a 0	4647-0248a	4647-0248b	543.985	0.04	0	0
L4647-0248b 0	4647-0248b	4647-0174	65.899	0.04	0	0
L4647-0249 0	4647-0249	4647-3085	12	0.04	0	0
L4647-0252 0	4647-0252	4647-0249	40.153	0.04	0	0
L4647-0254 0	4647-0254	4647-0261	255.694	0.013	0	0
L4647-0261 0	4647-0261	4647-0252	227.098	0.013	0	0
L4647-0282 0	4647-3001	4647-3004	32.116	0.013	0	0
L4647-0301 0	4647-0076	4647-0084	171.078	0.012	0	0
L4647-0315 0	4647-0041	4647-3020	20.875	0.024	0	0
L4647-0319a 0	4647-3023	4647-0084	15.118	0.04	0	0
L4647-0320 0	4647-0151	4647-3023	242.559	0.04	0	0
L4647-0321 0	4647-0300	4647-3023	966.66	0.04	0	0
L4647-0324 0	4647-0221	4647-0300	31.452	0.011	0	0
L4647-0327 0	4647-3004	4647-0322	119.909	0.013	0	0
L4647-0328a 0	4647-0190	4647-0328b	40.184	0.04	0	0
L4647-0328b 0	4647-0328b	4647-0328c	19.328	0.04	0	0
L4647-0328c 0	4647-0328c	4647-0151	963.848	0.04	0	0
L4647-0329a 0	4647-0173	4647-0329b	10.796	0.04	0	0
L4647-0329b 0	4647-0329b	4647-3061	182.33	0.04	0	0
L4647-0330c 0	4647-0084	4647-0236	44.395	0.04	0	0

L4647-0331	4647-3118	4647-0345a	42.169	0.04	0	0
0	0					
L4647-0336	4647-3012	4647-3013	64.436	0.013	0	0
0	0					
L4647-0340	4647-3109	4647-3111	119.65	0.04	0	0
0	0					
L4647-0345a	4647-0345a	4647-0345b	39.549	0.04	0	0
0	0					
L4647-0345b	4647-0345b	4647-3012	109.366	0.04	0	0
0	0					
L4647-3000	4647-3000	4648-3058	492.211	0.04	0	0
0	0					
L4647-3006	4647-0322	4647-0323	399.701	0.04	0	0
0	0					
L4647-3007	4647-0323	4647-0300	1201.348	0.04	0	0
0	0					
L4647-3013	4647-3013	4647-0041	122.217	0.04	0	0
0	0					
L4647-3020	4647-3020	4647-3023	488.125	0.04	0	0
0	0					
;Detention Basin						
L4647-3031	4647-3030	4647-0151	1305.02	0.04	0	0
0	0					
L4647-3085	4647-3085	4647-0248a	22.555	0.04	0	0
0	0					
L4648-0022	4648-0025	4648-0033	23.375	0.0198	0	0
0	0					
L4648-0031	4648-3019	4648-0033	36.518	0.0213	0	0
0	0					
L4648-0064	4648-3005	4648-0049	78.921	0.0213	0	0
0	0					
L4648-0068	4648-0068	4648-0069	44.251	0.0213	0	0
0	0					
L4648-0069	4648-0069	4648-0071	155.772	0.0213	0	0
0	0					
L4648-0071	4648-0071	4648-0072	289.892	0.0213	0	0
0	0					
L4648-0072	4648-0072	4648-0049	132.604	0.0213	0	0
0	0					
L4648-0074	4648-0074	4648-0068	163.801	0.0213	0	0
0	0					
L4648-0075	4648-0075	4648-0076	15.162	0.0213	0	0
0	0					
L4648-0076	4648-0076	4648-0077	10	0.021	0	0
0	0					
L4648-0077	4648-0077	4648-0074	235.506	0.0213	0	0
0	0					
L4648-0078	4648-0083	4648-0075	293.77	0.0213	0	0
0	0					
L4648-0125	4648-0115	4648-0126	32.575	0.0213	0	0
0	0					
L4648-0126	4648-0126	4648-3002	25.444	0.0657	0	0
0	0					
L4648-0142	4648-0142	4648-0145	69.803	0.0213	0	0
0	0					
L4648-0146a	4648-0145	4648-0147	4.703	0.0657	0	0
0	0					
L4648-0148	4648-0148	4648-0142	47.797	0.0213	0	0
0	0					
L4648-0149	4648-0151	4648-0148	62.52	0.0213	0	0
0	0					
L4648-0241	4648-0034	N154-25	341.74	0.0657	0	0
0	0					

L4648-0245 0	4648-0245	N154-25	307.616	0.0657	0	0
L4648-0246 0	4648-0246	4648-0245	81.544	0.0213	0	0
L4648-0247b 0	4648-0147	4648-3054	28.733	0.0657	0	0
L4648-0248c 0	4648-0033	4648-3060	196.679	0.0657	0	0
L4648-0271 0	4648-0049	4648-0271	10.692	0.0394	0	0
L4648-0282 0	4648-3062	4648-0281	12	0.021	0	0
L4648-0288 0	4648-3060	4648-0285	12	0.021	0	0
L4648-0294a 0	4648-3065	4648-3002	832.143	0.0657	0	0
L4648-0294b 0	4648-3002	4648-3005	393.372	0.0657	0	0
L4648-3018 0	4648-0271	4648-3019	426.427	0.0657	0	0
L4648-3054 0	4648-3054	4648-0246	42.148	0.0657	0	0
L4648-3056 0	4648-3056	4648-3059	3397.486	0.04	0	0
L4648-3057 0	4548-3017	4647-3000	1404.472	0.04	0	0
L4648-3059 0	4648-3058	4647-3001	1010.058	0.04	0	0
L4648-3059up 0	4648-3059	4648-3058	381	0.04	0	0
L4648-3061 0	4648-0285	4648-3062	392.19	0.0657	0	0
L4648-3063 0	4648-0281	N154-23	616.203	0.0657	0	0
L4649-0022 0	4649-0022	4649-0025	64.739	0.0213	0	0
L4649-0023a 0	4648-0018	4649-0023b	100.604	0.0213	0	0
L4649-0023b 0	4649-0023b	4649-0022	71.513	0.0213	0	0
L4649-0127b 0	4649-0062	N154-17	50.422	0.0657	0	0
L4649-0131 0	4649-0080	N154-17	626.852	0.0657	0	0
L4649-0135a 0	4649-0135a	N154-5	1702.261	0.0657	0	0
L4649-0164 0	4649-0163	N154-1	243.119	0.0657	0	0
L4649-0167 0	4649-3037	4648-3065	121.254	0.0213	0	0
L4649-0178 0	4649-0178	4649-0101	38.228	0.0213	0	0
L4649-0213a 0	4649-0101	4649-0136	222.727	0.0657	0	0
L4649-0214b 0	4649-0136	4649-0214c	852.833	0.0657	0	0
L4649-0214c 0	4649-0214c	4649-3037	10.294	0.0657	0	0
L4745-0461 0	4745-3056	4746-3057	327.097	0.013	0	0
L4745-0568 0	4745-3012	4745-3056	1065.336	0.04	0	0

L4746-0011	4746-0009	4746-0012	241.07	0.013	0	0
0	0					
L4746-0023	4746-0012	4746-0030	465.747	0.013	0	0
0	0					
L4746-0030	4746-0030	4746-0032	78.064	0.013	0	0
0	0					
L4746-0031	4746-0038	4746-0032	40.941	0.013	0	0
0	0					
L4746-0032	4746-0032	4746-0039	55.386	0.013	0	0
0	0					
L4746-0055b	4746-0039	4746-0056	96.322	0.04	0	0
0	0					
L4746-0175	4746-0056	4746-0177	32.486	0.024	0	0
0	0					
L4746-0226	N184	4746-3042	2040.813	0.04	0	0
0	0					
L4746-0226a	4746-3042	4746-3039	411.4	0.04	0	0
0	0					
L4746-0232	4746-0232	4746-0038	57.794	0.04	0	0
0	0					
L4746-0298	4746-0179	4746-0299	59.036	0.011	0	0
0	0					
L4746-0299	4746-0299	4746-0301	37.954	0.04	0	0
0	0					
L4746-0305	4746-0305	4746-0307	309.152	0.04	0	0
0	0					
L4746-0308	4746-0307	4746-0309	64.611	0.024	0	0
0	0					
L4746-0309	4746-0309	4746-3039	72.253	0.04	0	0
0	0					
L4746-0311	4746-0312	4746-0307	103.373	0.024	0	0
0	0					
L4746-0313	4746-0313	4746-0305	97.048	0.013	0	0
0	0					
L4746-0314	4746-0314	4746-3037	12	0.04	0	0
0	0					
L4746-0319	4746-0083	4746-3042	386.901	0.04	0	0
0	0					
L4746-0321	4746-0177	4746-0320	26.923	0.024	0	0
0	0					
L4746-0388	4746-3058	4746-3059	24.676	0.024	0	0
0	0					
L4746-0404	4746-3060	4746-0314	23.842	0.024	0	0
0	0					
L4746-3017	4746-0320	4746-0301	1559.557	0.04	0	0
0	0					
L4746-3018	4746-0301	4846-3007	390.046	0.04	0	0
0	0					
L4746-3037	4746-3037	4746-0313	45.43	0.04	0	0
0	0					
L4746-3057	4746-3057	4746-3058	747.185	0.04	0	0
0	0					
L4746-3059	4746-3059	4746-3060	332.516	0.04	0	0
0	0					
L4747-0129	4747-3031	4747-0350	342.794	0.04	0	0
0	0					
L4747-0243	4747-0128	4747-0244	57.832	0.011	0	0
0	0					
L4747-0244	4747-0244	4747-3031	43.223	0.04	0	0
0	0					
L4747-0257	4747-0247	4747-3021	77.113	0.013	0	0
0	0					

L4747-0350	4747-0350	4746-0232	101.683	0.013	0	0
0	0					
L4747-0356	4747-3021	4647-0230	36.327	0.013	0	0
0	0					
L4748-0115	4748-0115	N154-26	201.569	0.0657	0	0
0	0					
L4748-0352	4748-0139	N154-28	100.908	0.0394	0	0
0	0					
L4846-0420	4846-3007	4846-0420	989.666	0.04	0	0
0	0					
L4846-0420a	4846-0420	4846-3005	80.125	0.04	0	0
0	0					
L4846-0420b	4846-3005	N190	407.689	0.04	0	0
0	0					
;Little Arkansas						
L67	N73	N95	4975.3648	0.0512	0	0
0	0					
;Cowskin Creek						
L82	N82	N89	22483.74	0.0657	0	0
0	0					
;Cowskin Creek						
L89	N89	N90	11416.215	0.0657	0	0
0	0					
;Cowskin Creek						
L90	N90	N91	5416.9	0.0657	0	0
0	0					
;Cowskin Creek						
L91	N91	N99	692.582	0.0657	0	0
0	0					
;Chisholm Creek						
L93	N93	N105	12065.8024	0.0512	0	0
0	0					
;Cowskin Creek						
L94	N94	N82	15138.1794	0.0841	0	0
0	0					
;Little Arkansas						
L95	N95	N106	21647.4897	0.0512	0	0
0	0					
;Cowskin Creek						
L99	N99	N111	8452.644	0.0657	0	0
0	0					

[XSECTIONS]

;;Link	Shape	Geom1	Geom2	Geom3	Geom4	
Barrels						
;;-----	-----	-----	-----	-----	-----	-----

1	PARABOLIC	1	4	0	0	1
2	PARABOLIC	8.202	82.021	0	0	1
L105	Parabolic	6.562	98.8513	0	0	1
L106	Parabolic	9.842	429.79	0	0	1
L107	Parabolic	9.842	107.4475	0	0	1
L109	PARABOLIC	6.562	49.213	0	0	1
L110	Rect_Open	6.562	64.469	0	0	1
L111	Parabolic	8.202	65.617	0	0	1
L112	TRIANGULAR	8.202	65.617	0	0	1
L114	Parabolic	8.202	65.617	0	0	1
L117	Rect_Open	26.246	429.79	0	0	1
L118	Parabolic	3.28	42.9785	0	0	1
L124	Rect_Open	9.842	107.4475	0	0	1
L130	Rect_Open	9.842	429.79	0	0	1
L131	RECT_OPEN	16.404	300.8533	0	0	1
L131d	RECT_OPEN	19.686	515.7483	0	0	1

L137	Rect_Open	9.842	107.4475	0	0	1
L138	Parabolic	6.562	49.213	0	0	1
L139	PARABOLIC	8.202	82.021	0	0	1
L140	Parabolic	4.921	49.213	0	0	1
L148	Triangular	6.562	64.469	0	0	1
L149	Parabolic	9.842	64.469	0	0	1
L151	Rect_Open	19.686	257.8735	0	0	1
L154-1	PARABOLIC	8.202	98.425	0	0	1
L154-17	PARABOLIC	8.202	98.425	0	0	1
L154-23	PARABOLIC	8.202	98.425	0	0	1
L154-25	PARABOLIC	8.202	98.425	0	0	1
L154-26	PARABOLIC	8.202	98.425	0	0	1
L154-28	PARABOLIC	8.202	98.425	0	0	1
L154-5	PARABOLIC	8.202	98.425	0	0	1
L154-8	PARABOLIC	8.202	98.425	0	0	1
L154-9	PARABOLIC	8.202	98.425	0	0	1
L156	Parabolic	4.921	49.213	0	0	1
L158	Rect_Open	16.404	343.8318	0	0	1
L162	Parabolic	9.842	85.9583	0	0	1
L164	Rect_Open	16.404	343.8318	0	0	1
L165	Rect_Open	16.404	300.8533	0	0	1
L166	Parabolic	6.562	42.9785	0	0	1
L172	Parabolic	9.842	107.4475	0	0	1
L173	Rect_Open	26.246	429.79	0	0	1
L175	PARABOLIC	8.202	98.425	0	0	1
L181	Parabolic	16.404	64.469	0	0	1
L185	PARABOLIC	11.483	131.234	0	0	1
L190	PARABOLIC	9.843	131.234	0	0	1
L194	Rect_Open	32.808	150.426	0	0	1
L196	Rect_Open	19.686	386.8116	0	0	1
L199	Parabolic	19.686	107.4475	0	0	1
L200	Rect_Open	32.808	150.426	0	0	1
L201	Parabolic	26.246	128.9368	0	0	1
L203	Parabolic	32.808	257.8735	0	0	1
L210	Rect_Open	26.246	429.79	0	0	1
L212	Rect_Open	16.404	429.79	0	0	1
L216	Triangular	9.842	85.9583	0	0	1
L219	Parabolic	26.246	214.895	0	0	1
L220	Parabolic	16.404	128.9368	0	0	1
L221	Parabolic	16.404	150.426	0	0	1
L225	Rect_Open	26.246	429.79	0	0	1
L227	Parabolic	39.37	300.8533	0	0	1
L228	Parabolic	39.37	257.8735	0	0	1
L231	Rect_Open	32.808	429.79	0	0	1
L237	Rect_Open	26.246	515.7483	0	0	1
L240	Rect_Open	32.808	429.79	0	0	1
L242	Rect_Open	26.246	515.7483	0	0	1
L244	Triangular	13.124	107.4475	0	0	1
L249	Rect_Open	26.246	515.7483	0	0	1
L255	Rect_Open	19.686	558.7268	0	0	1
L257	Rect_Open	19.686	515.7483	0	0	1
L258	Rect_Open	19.686	429.79	0	0	1
L262	Rect_Open	26.246	601.7066	0	0	1
L4446-0021	PARABOLIC	3.28	15	0	0	1
L4446-0022	CIRCULAR	2	0	0	0	1
L4446-0023	PARABOLIC	3.28	10	0	0	1
L4446-0024	CIRCULAR	2	0	0	0	1
L4446-0199	PARABOLIC	3.28	15	0	0	1
L4446-0201	PARABOLIC	3.28	15	0	0	1
L4446-0202	PARABOLIC	3.28	15	0	0	1
L4446-0202a	PARABOLIC	3.28	15	0	0	1
L4446-0202b	PARABOLIC	3.28	15	0	0	1
L4446-0204	CIRCULAR	1.5	0	0	0	1

L4446-0205	PARABOLIC	3.28	15	0	0	1
L4446-0212	CIRCULAR	5.5	0	0	0	1
L4446-0213	PARABOLIC	3.28	15	0	0	1
L4446-0215	CIRCULAR	2.5	0	0	0	2
L4446-3018	PARABOLIC	3.28	15	0	0	1
L4446-3019	PARABOLIC	3.28	15	0	0	1
L44463020	PARABOLIC	3.28	15	0	0	1
L4446-3024	PARABOLIC	3.28	15	0	0	1
L4446-3047	PARABOLIC	3.28	15	0	0	1
L4546-0113	CIRCULAR	3	0	0	0	1
L4546-0118	PARABOLIC	3.28	15	0	0	1
L4546-0119	CIRCULAR	2.5	0	0	0	1
L4546-0132	CIRCULAR	5	0	0	0	1
L4546-0357	PARABOLIC	3.28	15	0	0	1
L4547-0005	CIRCULAR	3.5	0	0	0	1
L4547-0006	CIRCULAR	3.5	0	0	0	1
L4547-0008	CIRCULAR	4	0	0	0	1
L4547-0009	PARABOLIC	3.281	15	0	0	1
L4547-0083	CIRCULAR	1.5	0	0	0	2
L4547-0107	CIRCULAR	3	0	0	0	1
L4547-0108	CIRCULAR	2.5	0	0	0	1
L4547-0110	CIRCULAR	3	0	0	0	1
L4547-0111	CIRCULAR	3	0	0	0	1
L4547-0113	CIRCULAR	3	0	0	0	1
L4547-0152	CIRCULAR	4	0	0	0	4
L4547-0181	CIRCULAR	3	0	0	0	1
L4547-0182	CIRCULAR	3	0	0	0	1
L4547-0186	CIRCULAR	3	0	0	0	1
L4547-0188	CIRCULAR	2	0	0	0	2
L4547-0199	CIRCULAR	3.5	0	0	0	5
L4547-0202	CIRCULAR	2	0	0	0	1
L4547-0203	CIRCULAR	2	0	0	0	1
L4547-0204	PARABOLIC	3.281	15	0	0	1
L4547-0205	CIRCULAR	3	0	0	0	1
L4547-0206	CIRCULAR	2	0	0	0	1
L4547-0207	CIRCULAR	3	0	0	0	1
L4547-0208	CIRCULAR	3	0	0	0	1
L4547-0209	CIRCULAR	3	0	0	0	1
L4547-0210	CIRCULAR	3	0	0	0	1
L4547-0216	PARABOLIC	3.28	15	0	0	1
L4547-0229	CIRCULAR	2.5	0	0	0	1
L4547-0231	PARABOLIC	3.28	15	0	0	1
L4547-0235	PARABOLIC	3.28	15	0	0	1
L4547-0236	PARABOLIC	3.28	15	0	0	1
L4547-0237	CIRCULAR	4	0	0	0	3
L4547-3019	PARABOLIC	3.28	15	0	0	1
L4547-3025	PARABOLIC	3.28	15	0	0	1
L4547-3029	PARABOLIC	3.28	15	0	0	1
L4547-3030	PARABOLIC	3.28	15	0	0	1
L4547-3032	PARABOLIC	3.28	15	0	0	1
L4547-3033	PARABOLIC	3.28	15	0	0	1
L4547-3036	PARABOLIC	3.28	15	0	0	1
L4547-3038	PARABOLIC	3.28	15	0	0	1
L4547-3039	PARABOLIC	3.28	15	0	0	1
L4547-3040	PARABOLIC	3.28	15	0	0	1
L4547-3042	PARABOLIC	3.28	15	0	0	1
L4547-3043	PARABOLIC	3.28	15	0	0	1
L4547-3044	PARABOLIC	3.28	15	0	0	1
L4548-0026	CIRCULAR	4	0	0	0	2
L4548-0038	CIRCULAR	3	0	0	0	3
L4548-0047	CIRCULAR	2	0	0	0	2
L4548-0052	PARABOLIC	3.28	15	0	0	1
L4548-0063	PARABOLIC	3.28	10	0	0	1

L4548-3002	PARABOLIC	3.28	15	0	0	1
L4548-3009	PARABOLIC	3.281	15	0	0	1
L4548-3011	PARABOLIC	3.28	15	0	0	1
L4548-3013	PARABOLIC	3.28	10	0	0	1
L4548-3014	PARABOLIC	3.281	15	0	0	1
L4548-3015	PARABOLIC	3.281	15	0	0	1
L4548-3018	PARABOLIC	3.28	15	0	0	1
L4548-3019	PARABOLIC	3.28	15	0	0	1
L4548-3020	PARABOLIC	3.28	15	0	0	1
L4548-3021	PARABOLIC	3.28	15	0	0	1
L4549-0012	CIRCULAR	2	0	0	0	1
L4549-0013	CIRCULAR	2	0	0	0	1
L4549-0016	CIRCULAR	2	0	0	0	1
L4549-0017	CIRCULAR	2	0	0	0	1
L4549-0078	CIRCULAR	3	0	0	0	1
L4549-0079	CIRCULAR	3	0	0	0	1
L4549-0082	CIRCULAR	2	0	0	0	1
L4549-0083	CIRCULAR	1.5	0	0	0	1
L4549-0085	CIRCULAR	1.5	0	0	0	1
L4549-0086	CIRCULAR	1.5	0	0	0	1
L4549-0087	CIRCULAR	1.5	0	0	0	1
L4549-0094	CIRCULAR	1.5	0	0	0	1
L4549-0102	CIRCULAR	1.5	0	0	0	1
L4549-0103	CIRCULAR	1.5	0	0	0	1
L4549-0104	CIRCULAR	1.5	0	0	0	1
L4549-0105	CIRCULAR	2	0	0	0	1
L4549-0106	PARABOLIC	3.281	15	0	0	1
L4549-0116	CIRCULAR	2.5	0	0	0	2
L4549-0120	CIRCULAR	3.33	0	0	0	1
L4549-0136	CIRCULAR	3	0	0	0	1
L4549-0137	CIRCULAR	3	0	0	0	1
L4549-0139	CIRCULAR	3	0	0	0	1
L4549-0145	CIRCULAR	3	0	0	0	1
L4549-0146	CIRCULAR	3	0	0	0	1
L4549-0148	CIRCULAR	2	0	0	0	1
L4549-0149	CIRCULAR	2	0	0	0	1
L4549-0150	CIRCULAR	2	0	0	0	1
L4549-0152	CIRCULAR	3	0	0	0	1
L4549-0209	CIRCULAR	2	0	0	0	1
L4549-3024	PARABOLIC	3.281	15	0	0	1
L4549-3038	PARABOLIC	3.28	10	0	0	1
L4647-0017a	RECT_OPEN	3.28	15	0	0	1
L4647-0054	CIRCULAR	4	0	0	0	2
L4647-0099	CIRCULAR	13.5	0	0	0	2
L4647-0117	CIRCULAR	5	0	0	0	2
L4647-0135	CIRCULAR	5	0	0	0	2
L4647-0172	CIRCULAR	4	0	0	0	1
L4647-0230	CIRCULAR	3	0	0	0	1
L4647-0236	PARABOLIC	3.28	15	0	0	1
L4647-0248a	PARABOLIC	3.281	15	0	0	1
L4647-0248b	PARABOLIC	3.281	15	0	0	1
L4647-0249	PARABOLIC	3.281	15	0	0	1
L4647-0252	PARABOLIC	3.281	15	0	0	1
L4647-0254	CIRCULAR	3	0	0	0	1
L4647-0261	CIRCULAR	3	0	0	0	1
L4647-0282	CIRCULAR	11	0	0	0	4
L4647-0301	CIRCULAR	0.833	0	0	0	1
L4647-0315	CIRCULAR	1.5	0	0	0	2
L4647-0319a	PARABOLIC	3.28	15	0	0	1
L4647-0320	PARABOLIC	3.28	15	0	0	1
L4647-0321	PARABOLIC	3.28	15	0	0	1
L4647-0324	CIRCULAR	0.833	0	0	0	1
L4647-0327	CIRCULAR	4	0	0	0	1

L4647-0328a	PARABOLIC	3.28	15	0	0	1
L4647-0328b	PARABOLIC	3.28	15	0	0	1
L4647-0328c	PARABOLIC	3.28	15	0	0	1
L4647-0329a	RECT_OPEN	3.28	15	0	0	1
L4647-0329b	PARABOLIC	3.28	15	0	0	1
L4647-0330c	PARABOLIC	3.28	15	0	0	1
L4647-0331	PARABOLIC	3.28	15	0	0	1
L4647-0336	CIRCULAR	3	0	0	0	1
L4647-0340	PARABOLIC	3.28	15	0	0	1
L4647-0345a	PARABOLIC	3.281	15	0	0	1
L4647-0345b	PARABOLIC	3.28	15	0	0	1
L4647-3000	PARABOLIC	3.281	15	0	0	1
L4647-3006	PARABOLIC	3.28	15	0	0	1
L4647-3007	PARABOLIC	3.28	15	0	0	1
L4647-3013	PARABOLIC	3.28	15	0	0	1
L4647-3020	PARABOLIC	3.28	15	0	0	1
L4647-3031	PARABOLIC	3.28	15	0	0	1
L4647-3085	PARABOLIC	3.281	15	0	0	1
L4648-0022	FORCE_MAIN	2	0.012	0	0	3
L4648-0031	CIRCULAR	7	0	0	0	2
L4648-0064	CIRCULAR	4	0	0	0	2
L4648-0068	CIRCULAR	3	0	0	0	1
L4648-0069	CIRCULAR	3	0	0	0	1
L4648-0071	CIRCULAR	3	0	0	0	1
L4648-0072	CIRCULAR	3	0	0	0	1
L4648-0074	CIRCULAR	3	0	0	0	1
L4648-0075	CIRCULAR	2.5	0	0	0	1
L4648-0076	CIRCULAR	2.5	0	0	0	1
L4648-0077	CIRCULAR	2.5	0	0	0	1
L4648-0078	CIRCULAR	1.5	0	0	0	1
L4648-0125	CIRCULAR	1.25	0	0	0	1
L4648-0126	PARABOLIC	3.281	15	0	0	1
L4648-0142	CIRCULAR	3	0	0	0	2
L4648-0146a	PARABOLIC	5	30	0	0	1
L4648-0148	CIRCULAR	3	0	0	0	1
L4648-0149	CIRCULAR	3	0	0	0	2
L4648-0241	PARABOLIC	3.281	15	0	0	1
L4648-0245	PARABOLIC	3.281	15	0	0	1
L4648-0246	CIRCULAR	2	0	0	0	1
L4648-0247b	PARABOLIC	3.281	15	0	0	1
L4648-0248c	PARABOLIC	3.281	15	0	0	1
L4648-0271	CIRCULAR	1.25	0	0	0	6
L4648-0282	CIRCULAR	2.5	0	0	0	2
L4648-0288	CIRCULAR	2.5	0	0	0	3
L4648-0294a	PARABOLIC	3.281	15	0	0	1
L4648-0294b	PARABOLIC	3.281	15	0	0	1
L4648-3018	PARABOLIC	3.281	15	0	0	1
L4648-3054	PARABOLIC	3.281	15	0	0	1
L4648-3056	PARABOLIC	3.281	15	0	0	1
L4648-3057	PARABOLIC	3.28	15	0	0	1
L4648-3059	PARABOLIC	3.28	15	0	0	1
L4648-3059up	PARABOLIC	3.281	15	0	0	1
L4648-3061	PARABOLIC	3.281	15	0	0	1
L4648-3063	PARABOLIC	3.281	15	0	0	1
L4649-0022	CIRCULAR	3	0	0	0	1
L4649-0023a	PARABOLIC	3.281	12	0	0	1
L4649-0023b	PARABOLIC	3.281	12	0	0	1
L4649-0127b	PARABOLIC	3.281	15	0	0	1
L4649-0131	PARABOLIC	3.281	15	0	0	1
L4649-0135a	PARABOLIC	3.281	15	0	0	1
L4649-0164	PARABOLIC	3.281	15	0	0	1
L4649-0167	CIRCULAR	4	0	0	0	2
L4649-0178	CIRCULAR	2	0	0	0	1

L4649-0213a	PARABOLIC	3.281	15	0	0	1
L4649-0214b	PARABOLIC	5	25	0	0	1
L4649-0214c	PARABOLIC	5	25	0	0	1
L4745-0461	CIRCULAR	3	0	0	0	2
L4745-0568	PARABOLIC	3.281	15	0	0	1
L4746-0011	CIRCULAR	3	0	0	0	1
L4746-0023	CIRCULAR	3	0	0	0	1
L4746-0030	CIRCULAR	3	0	0	0	1
L4746-0031	CIRCULAR	1.25	0	0	0	1
L4746-0032	CIRCULAR	3	0	0	0	1
L4746-0055b	PARABOLIC	3.28	15	0	0	1
L4746-0175	CIRCULAR	2	0	0	0	1
L4746-0226	PARABOLIC	8.202	82.021	0	0	1
L4746-0226a	PARABOLIC	8.202	82.021	0	0	1
L4746-0232	PARABOLIC	3.28	15	0	0	1
L4746-0298	CIRCULAR	0.833	0	0	0	1
L4746-0299	PARABOLIC	3.281	15	0	0	1
L4746-0305	PARABOLIC	3.281	15	0	0	1
L4746-0308	CIRCULAR	1.5	0	0	0	1
L4746-0309	PARABOLIC	3.281	15	0	0	1
L4746-0311	CIRCULAR	2	0	0	0	1
L4746-0313	CIRCULAR	4	0	0	0	1
L4746-0314	PARABOLIC	3.281	15	0	0	1
L4746-0319	PARABOLIC	3.281	15	0	0	1
L4746-0321	CIRCULAR	2	0	0	0	1
L4746-0388	CIRCULAR	2	0	0	0	8
L4746-0404	CIRCULAR	2	0	0	0	8
L4746-3017	PARABOLIC	8.202	82.021	0	0	1
L4746-3018	PARABOLIC	8.202	82.021	0	0	1
L4746-3037	PARABOLIC	3.281	15	0	0	1
L4746-3057	PARABOLIC	4.9	65.6	0	0	1
L4746-3059	PARABOLIC	4.9	65.6	0	0	1
L4747-0129	PARABOLIC	3.28	15	0	0	1
L4747-0243	CIRCULAR	2	0	0	0	1
L4747-0244	PARABOLIC	3.28	15	0	0	1
L4747-0257	CIRCULAR	2.5	0	0	0	2
L4747-0350	CIRCULAR	4	0	0	0	1
L4747-0356	CIRCULAR	3	0	0	0	1
L4748-0115	PARABOLIC	3.281	15	0	0	1
L4748-0352	FORCE_MAIN	1.417	0.024	0	0	1
L4846-0420	PARABOLIC	8.202	82.021	0	0	1
L4846-0420a	PARABOLIC	3.281	82.021	0	0	1
L4846-0420b	PARABOLIC	8.202	82.021	0	0	1
L67	Parabolic	22.966	300.8533	0	0	1
L82	PARABOLIC	6.562	49.213	0	0	1
L89	PARABOLIC	6.562	49.213	0	0	1
L90	PARABOLIC	6.562	49.213	0	0	1
L91	Parabolic	6.562	49.213	0	0	1
L93	Parabolic	6.562	85.9583	0	0	1
L94	PARABOLIC	13.124	64.469	0	0	1
L95	Parabolic	19.686	300.8533	0	0	1
L99	PARABOLIC	6.562	49.213	0	0	1

[LOSSES]

```
;;Link      Inlet      Outlet      Average      Flap Gate      SeepageRate
;;-----
```

[POLLUTANTS]

```
;;      Mass      Rain      GW      I&I      Decay      Snow      Co-Pollut.
Co-Pollut. DWF      Inlet.
;;Name      Units      Concen.      Concen.      Concen.      Coeff.      Only      Name
Fraction      Concen.      Concen.
```

```

;;-----
-----
Nitrogen      MG/L  0      0      0      0      NO  *
0.0          0      0
Phosphorus   MG/L  0      0      0      0      NO  *
0.0          0      0
TSS          MG/L  0      0      0      0      NO  *
0.0          0      0

```

[LANDUSES]

```

;;      Cleaning  Fraction  Last
;;Name   Interval  Available  Cleaned
;;-----
;Pervious land cover that has been disturbed by urbanization (parks, lawns, etc.)
MixedDevelopment 0      0      0
;Impervious cover including paved parking lots, roads, etc.
Pavement 0      0      0
;Impervious cover including rooftops from residential homes and buildings.
Roofs 0      0      0
;Undisturbed land.
Undeveloped 0      0      0

```

[COVERAGES]

```

;;Subcatchment  Land Use      Percent
;;-----
100      MixedDevelopment  3.657
100      Pavement          0.379
100      Roofs            0.095
100      Undeveloped      95.869
101      MixedDevelopment  8.855
101      Pavement          4.029
101      Roofs            1.007
101      Undeveloped      86.108
102      MixedDevelopment  16.5
102      Pavement          8.305
102      Roofs            2.076
102      Undeveloped      73.119
103      MixedDevelopment  17.856
103      Pavement          8.559
103      Roofs            2.14
103      Undeveloped      71.445
104      MixedDevelopment  44.449
104      Pavement          14.057
104      Roofs            3.514
104      Undeveloped      37.98
105      MixedDevelopment  15.765
105      Pavement          2.279
105      Roofs            0.57
105      Undeveloped      81.386
106      MixedDevelopment  42.753
106      Pavement          14.053
106      Roofs            3.513
106      Undeveloped      39.68
107      MixedDevelopment  24.071
107      Pavement          9.472
107      Roofs            2.368
107      Undeveloped      64.089
108      MixedDevelopment  6.223
108      Pavement          2.085
108      Roofs            0.521
108      Undeveloped      91.17
109      MixedDevelopment  4.062
109      Pavement          0.374

```


109	Roofs	0.094
109	Undeveloped	95.47
110	MixedDevelopment	9.085
110	Pavement	3.598
110	Roofs	0.9
110	Undeveloped	86.418
111	MixedDevelopment	4.111
111	Pavement	0.698
111	Roofs	0.174
111	Undeveloped	95.017
112	MixedDevelopment	2.679
112	Pavement	0.238
112	Roofs	0.06
112	Undeveloped	97.024
113	MixedDevelopment	3.994
113	Pavement	0.45
113	Roofs	0.112
113	Undeveloped	95.443
114	MixedDevelopment	3.176
114	Pavement	0.286
114	Roofs	0.072
114	Undeveloped	96.466
115	MixedDevelopment	5.566
115	Pavement	1.328
115	Roofs	0.332
115	Undeveloped	92.774
116	MixedDevelopment	7.366
116	Pavement	3.603
116	Roofs	0.901
116	Undeveloped	88.13
117	MixedDevelopment	3.009
117	Pavement	1.535
117	Roofs	0.384
117	Undeveloped	95.073
118	MixedDevelopment	39.913
118	Pavement	21.877
118	Roofs	5.469
118	Undeveloped	32.741
119	MixedDevelopment	47.626
119	Pavement	10.285
119	Roofs	2.571
119	Undeveloped	39.519
120	MixedDevelopment	49.028
120	Pavement	28.478
120	Roofs	7.12
120	Undeveloped	15.374
121	MixedDevelopment	30.137
121	Pavement	29.998
121	Roofs	7.499
121	Undeveloped	32.366
122	MixedDevelopment	21.406
122	Pavement	10.85
122	Roofs	2.713
122	Undeveloped	65.031
123	MixedDevelopment	56.25
123	Pavement	34.199
123	Roofs	8.55
123	Undeveloped	1.001
124	MixedDevelopment	36.056
124	Pavement	25.944
124	Roofs	6.486
124	Undeveloped	31.515
125	MixedDevelopment	4.56

125	Pavement	0.635
125	Roofs	0.159
125	Undeveloped	94.646
126	MixedDevelopment	3.835
126	Pavement	1.126
126	Roofs	0.282
126	Undeveloped	94.757
127	MixedDevelopment	35.075
127	Pavement	17.803
127	Roofs	4.451
127	Undeveloped	42.671
128	MixedDevelopment	58.746
128	Pavement	29.878
128	Roofs	7.47
128	Undeveloped	3.906
129	MixedDevelopment	20.103
129	Pavement	8.247
129	Roofs	2.062
129	Undeveloped	69.588
130	MixedDevelopment	2.817
130	Pavement	0.986
130	Roofs	0.247
130	Undeveloped	95.949
131	MixedDevelopment	20.807
131	Pavement	11.335
131	Roofs	2.834
131	Undeveloped	65.024
132	MixedDevelopment	33.506
132	Pavement	21.173
132	Roofs	5.293
132	Undeveloped	40.028
133	MixedDevelopment	18.895
133	Pavement	10.358
133	Roofs	2.59
133	Undeveloped	68.157
134	MixedDevelopment	34.335
134	Pavement	28.16
134	Roofs	7.04
134	Undeveloped	30.465
135	MixedDevelopment	20.149
135	Pavement	20.517
135	Roofs	5.129
135	Undeveloped	54.205
136	MixedDevelopment	12.64
136	Pavement	8.305
136	Roofs	2.076
136	Undeveloped	76.979
137	MixedDevelopment	33.105
137	Pavement	25.871
137	Roofs	6.468
137	Undeveloped	34.556
138	MixedDevelopment	6.055
138	Pavement	1.003
138	Roofs	0.251
138	Undeveloped	92.691
139	MixedDevelopment	11.843
139	Pavement	2.702
139	Roofs	0.676
139	Undeveloped	84.779
140	MixedDevelopment	18.004
140	Pavement	7.715
140	Roofs	1.929
140	Undeveloped	72.353

141	MixedDevelopment	5.014
141	Pavement	0.795
141	Roofs	0.199
141	Undeveloped	93.993
142	MixedDevelopment	3.977
142	Pavement	0.678
142	Roofs	0.17
142	Undeveloped	95.176
143	MixedDevelopment	2.965
143	Pavement	0.369
143	Roofs	0.092
143	Undeveloped	96.573
144	MixedDevelopment	10.018
144	Pavement	3.772
144	Roofs	0.943
144	Undeveloped	85.267
145	MixedDevelopment	3.642
145	Pavement	0.671
145	Roofs	0.168
145	Undeveloped	95.519
146	MixedDevelopment	4.795
146	Pavement	0.664
146	Roofs	0.166
146	Undeveloped	94.374
147	MixedDevelopment	3.612
147	Pavement	0.505
147	Roofs	0.126
147	Undeveloped	95.756
148	MixedDevelopment	44.631
148	Pavement	41.113
148	Roofs	10.278
148	Undeveloped	3.978
149	MixedDevelopment	51.279
149	Pavement	24.687
149	Roofs	6.172
149	Undeveloped	17.862
150	MixedDevelopment	56.677
150	Pavement	29.089
150	Roofs	7.272
150	Undeveloped	6.961
151	MixedDevelopment	54.901
151	Pavement	24.716
151	Roofs	6.179
151	Undeveloped	14.204
152	MixedDevelopment	59.413
152	Pavement	29.572
152	Roofs	7.393
152	Undeveloped	3.623
153	MixedDevelopment	3.631
153	Pavement	0.867
153	Roofs	0.217
153	Undeveloped	95.286
154-1	MixedDevelopment	8.391
154-1	Pavement	3.449
154-1	Roofs	0.862
154-1	Undeveloped	87.297
154-10	MixedDevelopment	20.053
154-10	Pavement	9.405
154-10	Roofs	2.351
154-10	Undeveloped	68.19
154-11	MixedDevelopment	36.789
154-11	Pavement	33.068
154-11	Roofs	8.267

154-11	Undeveloped	21.875
154-12	MixedDevelopment	33.441
154-12	Pavement	19.008
154-12	Roofs	4.752
154-12	Undeveloped	42.8
154-13	MixedDevelopment	19.654
154-13	Pavement	5.397
154-13	Roofs	1.349
154-13	Undeveloped	73.599
154-14	MixedDevelopment	43.2
154-14	Pavement	16.3
154-14	Roofs	4.075
154-14	Undeveloped	36.426
154-15	MixedDevelopment	22.176
154-15	Pavement	8.083
154-15	Roofs	2.021
154-15	Undeveloped	67.721
154-16	MixedDevelopment	53.139
154-16	Pavement	27.016
154-16	Roofs	6.754
154-16	Undeveloped	13.091
154-17	MixedDevelopment	50.971
154-17	Pavement	20.86
154-17	Roofs	5.215
154-17	Undeveloped	22.954
154-18	MixedDevelopment	55.72
154-18	Pavement	30.761
154-18	Roofs	7.69
154-18	Undeveloped	5.828
154-19	MixedDevelopment	19.72
154-19	Pavement	5.23
154-19	Roofs	1.308
154-19	Undeveloped	73.743
154-2	MixedDevelopment	19.145
154-2	Pavement	5.735
154-2	Roofs	1.434
154-2	Undeveloped	73.686
154-20	MixedDevelopment	46.789
154-20	Pavement	10.562
154-20	Roofs	2.64
154-20	Undeveloped	40.009
154-21	MixedDevelopment	60.878
154-21	Pavement	25.836
154-21	Roofs	6.459
154-21	Undeveloped	6.827
154-22	MixedDevelopment	49.258
154-22	Pavement	33.967
154-22	Roofs	8.492
154-22	Undeveloped	8.284
154-23	MixedDevelopment	35.636
154-23	Pavement	12.533
154-23	Roofs	3.133
154-23	Undeveloped	48.698
154-24	MixedDevelopment	26.241
154-24	Pavement	11.413
154-24	Roofs	2.853
154-24	Undeveloped	59.493
154-25	MixedDevelopment	40.77
154-25	Pavement	20.79
154-25	Roofs	5.197
154-25	Undeveloped	33.243
154-26	MixedDevelopment	14.01
154-26	Pavement	6.035

154-26	Roofs	1.509
154-26	Undeveloped	78.446
154-27	MixedDevelopment	61.329
154-27	Pavement	30.922
154-27	Roofs	7.731
154-27	Undeveloped	0.018
154-28	MixedDevelopment	5.057
154-28	Pavement	0.844
154-28	Roofs	0.211
154-28	Undeveloped	93.889
154-29	MixedDevelopment	30.392
154-29	Pavement	9.259
154-29	Roofs	2.315
154-29	Undeveloped	58.034
154-3	MixedDevelopment	35.615
154-3	Pavement	14.869
154-3	Roofs	3.717
154-3	Undeveloped	45.798
154-30	MixedDevelopment	52.928
154-30	Pavement	26.667
154-30	Roofs	6.667
154-30	Undeveloped	13.737
154-31	MixedDevelopment	47.453
154-31	Pavement	28.378
154-31	Roofs	7.094
154-31	Undeveloped	17.075
154-4	MixedDevelopment	48.918
154-4	Pavement	26.191
154-4	Roofs	6.548
154-4	Undeveloped	18.343
154-5	MixedDevelopment	0.15
154-5	Pavement	0.05
154-5	Roofs	0.012
154-5	Undeveloped	99.823
154-6	MixedDevelopment	60.814
154-6	Pavement	20.967
154-6	Roofs	5.242
154-6	Undeveloped	12.977
154-7	MixedDevelopment	33.275
154-7	Pavement	12.929
154-7	Roofs	3.232
154-7	Undeveloped	50.564
154-8	MixedDevelopment	5.119
154-8	Pavement	1.656
154-8	Roofs	0.414
154-8	Undeveloped	92.811
154-9	MixedDevelopment	35.952
154-9	Pavement	15.487
154-9	Roofs	3.872
154-9	Undeveloped	44.689
155	MixedDevelopment	3.987
155	Pavement	0.803
155	Roofs	0.201
155	Undeveloped	95.009
156	MixedDevelopment	6.895
156	Pavement	3.204
156	Roofs	0.801
156	Undeveloped	89.101
157	MixedDevelopment	61.512
157	Pavement	30.591
157	Roofs	7.648
157	Undeveloped	0.249
158	MixedDevelopment	52.994

158	Pavement	27.224
158	Roofs	6.806
158	Undeveloped	12.975
159	MixedDevelopment	3.387
159	Pavement	0.317
159	Roofs	0.079
159	Undeveloped	96.217
160	MixedDevelopment	53.739
160	Pavement	26.343
160	Roofs	6.586
160	Undeveloped	13.332
161	MixedDevelopment	53.864
161	Pavement	28.804
161	Roofs	7.201
161	Undeveloped	10.13
162	MixedDevelopment	63.035
162	Pavement	29.572
162	Roofs	7.393
163	MixedDevelopment	60.385
163	Pavement	31.692
163	Roofs	7.923
164	MixedDevelopment	56.685
164	Pavement	29.553
164	Roofs	7.388
164	Undeveloped	6.375
165	MixedDevelopment	47.058
165	Pavement	25.404
165	Roofs	6.351
165	Undeveloped	21.187
166	MixedDevelopment	50.739
166	Pavement	39.408
166	Roofs	9.852
167	MixedDevelopment	49.387
167	Pavement	26.85
167	Roofs	6.712
167	Undeveloped	17.051
168	MixedDevelopment	11.868
168	Pavement	5.236
168	Roofs	1.309
168	Undeveloped	81.586
169-1	MixedDevelopment	20.037
169-1	Pavement	9.513
169-1	Roofs	2.378
169-1	Undeveloped	68.071
169-10	Undeveloped	100
169-11	MixedDevelopment	4.692
169-11	Pavement	0.49
169-11	Roofs	0.123
169-11	Undeveloped	94.695
169-12	MixedDevelopment	16.895
169-12	Pavement	14.554
169-12	Roofs	3.639
169-12	Undeveloped	64.912
169-13	Undeveloped	100
169-14	MixedDevelopment	1.157
169-14	Pavement	0.24
169-14	Roofs	0.06
169-14	Undeveloped	98.543
169-15	MixedDevelopment	24.264
169-15	Pavement	8.766
169-15	Roofs	2.191
169-15	Undeveloped	64.779
169-16	MixedDevelopment	8.899

169-16	Pavement	2.664
169-16	Roofs	0.666
169-16	Undeveloped	87.771
169-17	MixedDevelopment	6.26
169-17	Pavement	0.566
169-17	Roofs	0.142
169-17	Undeveloped	93.032
169-18	MixedDevelopment	2.919
169-18	Pavement	0.268
169-18	Roofs	0.067
169-18	Undeveloped	96.746
169-19	MixedDevelopment	9.104
169-19	Pavement	1.162
169-19	Roofs	0.291
169-19	Undeveloped	89.443
169-2	MixedDevelopment	6.832
169-2	Pavement	0.607
169-2	Roofs	0.152
169-2	Undeveloped	92.409
169-20	MixedDevelopment	31.424
169-20	Pavement	14.852
169-20	Roofs	3.713
169-20	Undeveloped	50.011
169-21	MixedDevelopment	12.659
169-21	Pavement	3.392
169-21	Roofs	0.848
169-21	Undeveloped	83.101
169-22	MixedDevelopment	27.606
169-22	Pavement	12.79
169-22	Roofs	3.198
169-22	Undeveloped	56.406
169-23	MixedDevelopment	50.072
169-23	Pavement	16.626
169-23	Roofs	4.156
169-23	Undeveloped	29.146
169-24	MixedDevelopment	4.387
169-24	Pavement	0.902
169-24	Roofs	0.225
169-24	Undeveloped	94.486
169-25	MixedDevelopment	51.035
169-25	Pavement	28.874
169-25	Roofs	7.218
169-25	Undeveloped	12.873
169-3	MixedDevelopment	7.499
169-3	Pavement	1.671
169-3	Roofs	0.418
169-3	Undeveloped	90.411
169-4	Undeveloped	100
169-5	Undeveloped	100
169-6	Undeveloped	100
169-7	MixedDevelopment	4.927
169-7	Pavement	0.438
169-7	Roofs	0.109
169-7	Undeveloped	94.525
169-8	MixedDevelopment	15.933
169-8	Pavement	2.526
169-8	Roofs	0.631
169-8	Undeveloped	80.91
169-9	Undeveloped	100
170	MixedDevelopment	61.698
170	Pavement	30.641
170	Roofs	7.66
171	MixedDevelopment	63.307

171	Pavement	29.354
171	Roofs	7.339
172	MixedDevelopment	43.007
172	Pavement	25.132
172	Roofs	6.283
172	Undeveloped	25.578
173	MixedDevelopment	5.101
173	Pavement	2.977
173	Roofs	0.744
173	Undeveloped	91.178
174	MixedDevelopment	61.405
174	Pavement	30.709
174	Roofs	7.677
174	Undeveloped	0.209
175	MixedDevelopment	53.107
175	Pavement	23.944
175	Roofs	5.986
175	Undeveloped	16.963
176	MixedDevelopment	60.022
176	Pavement	31.4
176	Roofs	7.85
176	Undeveloped	0.728
177-1	MixedDevelopment	62.116
177-1	Pavement	30.307
177-1	Roofs	7.577
177-10	MixedDevelopment	22.745
177-10	Pavement	12.272
177-10	Roofs	3.068
177-10	Undeveloped	61.915
177-11	MixedDevelopment	44.897
177-11	Pavement	11.399
177-11	Roofs	2.85
177-11	Undeveloped	40.854
177-12	MixedDevelopment	7.268
177-12	Pavement	1.21
177-12	Roofs	0.302
177-12	Undeveloped	91.22
177-13	MixedDevelopment	9.126
177-13	Pavement	3.931
177-13	Roofs	0.983
177-13	Undeveloped	85.96
177-14	MixedDevelopment	1.303
177-14	Pavement	0.561
177-14	Roofs	0.14
177-14	Undeveloped	97.996
177-15	Undeveloped	100
177-16	MixedDevelopment	50.368
177-16	Pavement	13.371
177-16	Roofs	3.343
177-16	Undeveloped	32.918
177-17	MixedDevelopment	2.385
177-17	Pavement	1.027
177-17	Roofs	0.257
177-17	Undeveloped	96.331
177-18	MixedDevelopment	58.112
177-18	Pavement	25.033
177-18	Roofs	6.258
177-18	Undeveloped	10.598
177-19	MixedDevelopment	7.252
177-19	Pavement	1.754
177-19	Roofs	0.439
177-19	Undeveloped	90.555
177-2	MixedDevelopment	57.416

177-2	Pavement	21.218
177-2	Roofs	5.304
177-2	Undeveloped	16.062
177-20	MixedDevelopment	9.284
177-20	Pavement	2.09
177-20	Roofs	0.523
177-20	Undeveloped	88.104
177-21	MixedDevelopment	3.322
177-21	Pavement	1.431
177-21	Roofs	0.358
177-21	Undeveloped	94.89
177-22	MixedDevelopment	3.848
177-22	Pavement	1.658
177-22	Roofs	0.414
177-22	Undeveloped	94.08
177-23	Undeveloped	100
177-24	MixedDevelopment	29.334
177-24	Pavement	12.088
177-24	Roofs	3.022
177-24	Undeveloped	55.556
177-25	MixedDevelopment	52.567
177-25	Pavement	23.893
177-25	Roofs	5.973
177-25	Undeveloped	17.567
177-26	MixedDevelopment	45.875
177-26	Pavement	22.345
177-26	Roofs	5.586
177-26	Undeveloped	26.193
177-27	MixedDevelopment	6.867
177-27	Pavement	1.907
177-27	Roofs	0.477
177-27	Undeveloped	90.749
177-3	MixedDevelopment	19.103
177-3	Pavement	6.728
177-3	Roofs	1.682
177-3	Undeveloped	72.486
177-4	MixedDevelopment	27.861
177-4	Pavement	5.914
177-4	Roofs	1.479
177-4	Undeveloped	64.746
177-5	MixedDevelopment	28.833
177-5	Pavement	17.989
177-5	Roofs	4.497
177-5	Undeveloped	48.681
177-6	MixedDevelopment	28.348
177-6	Pavement	8.762
177-6	Roofs	2.191
177-6	Undeveloped	60.7
177-7	MixedDevelopment	64.701
177-7	Pavement	27.591
177-7	Roofs	6.898
177-7	Undeveloped	0.81
177-8	MixedDevelopment	35.099
177-8	Pavement	12.203
177-8	Roofs	3.051
177-8	Undeveloped	49.647
177-9	MixedDevelopment	14.057
177-9	Pavement	3.342
177-9	Roofs	0.836
177-9	Undeveloped	81.765
178	MixedDevelopment	51.251
178	Pavement	35.97
178	Roofs	8.993

178	Undeveloped	3.786
179	MixedDevelopment	4.874
179	Pavement	0.908
179	Roofs	0.227
179	Undeveloped	93.99
180-1	MixedDevelopment	59.315
180-1	Pavement	31.16
180-1	Roofs	7.79
180-1	Undeveloped	1.735
180-10	MixedDevelopment	53.963
180-10	Pavement	23.06
180-10	Roofs	5.765
180-10	Undeveloped	17.213
180-11	MixedDevelopment	6.798
180-11	Pavement	2.928
180-11	Roofs	0.732
180-11	Undeveloped	89.541
180-12	MixedDevelopment	49.711
180-12	Pavement	22.381
180-12	Roofs	5.595
180-12	Undeveloped	22.312
180-13	MixedDevelopment	52.961
180-13	Pavement	27.384
180-13	Roofs	6.846
180-13	Undeveloped	12.809
180-14	MixedDevelopment	65.737
180-14	Pavement	26.996
180-14	Roofs	6.749
180-14	Undeveloped	0.518
180-15	MixedDevelopment	52.182
180-15	Pavement	31.448
180-15	Roofs	7.862
180-15	Undeveloped	8.508
180-16	MixedDevelopment	48.24
180-16	Pavement	41.408
180-16	Roofs	10.352
180-17	MixedDevelopment	65
180-17	Pavement	28
180-17	Roofs	7
180-18	MixedDevelopment	56.316
180-18	Pavement	26.232
180-18	Roofs	6.558
180-18	Undeveloped	10.894
180-19	MixedDevelopment	61.949
180-19	Pavement	26.686
180-19	Roofs	6.671
180-19	Undeveloped	4.694
180-2	MixedDevelopment	58.2
180-2	Pavement	33.212
180-2	Roofs	8.303
180-2	Undeveloped	0.284
180-20	Undeveloped	100
180-21	MixedDevelopment	28.654
180-21	Pavement	12.343
180-21	Roofs	3.086
180-21	Undeveloped	55.916
180-22	MixedDevelopment	43.828
180-22	Pavement	30.105
180-22	Roofs	7.526
180-22	Undeveloped	18.541
180-23	MixedDevelopment	39.044
180-23	Pavement	29.284
180-23	Roofs	7.321

180-23	Undeveloped	24.352
180-24	MixedDevelopment	49.602
180-24	Pavement	40.318
180-24	Roofs	10.08
180-25	MixedDevelopment	61.312
180-25	Pavement	30.95
180-25	Roofs	7.738
180-26	MixedDevelopment	58.948
180-26	Pavement	32.842
180-26	Roofs	8.21
180-27	MixedDevelopment	42.492
180-27	Pavement	23.37
180-27	Roofs	5.842
180-27	Undeveloped	28.296
180-28	MixedDevelopment	47.503
180-28	Pavement	41.998
180-28	Roofs	10.499
180-29	MixedDevelopment	17.509
180-29	Pavement	4.516
180-29	Roofs	1.129
180-29	Undeveloped	76.846
180-3	MixedDevelopment	48.623
180-3	Pavement	31.887
180-3	Roofs	7.972
180-3	Undeveloped	11.518
180-30	MixedDevelopment	11.892
180-30	Pavement	3.688
180-30	Roofs	0.922
180-30	Undeveloped	83.498
180-31	MixedDevelopment	90
180-31	Pavement	8
180-31	Roofs	2
180-32	MixedDevelopment	55.619
180-32	Pavement	29.103
180-32	Roofs	7.276
180-32	Undeveloped	8.002
180-33	MixedDevelopment	46.864
180-33	Pavement	17.916
180-33	Roofs	4.479
180-33	Undeveloped	30.741
180-4	MixedDevelopment	52.672
180-4	Pavement	25.094
180-4	Roofs	6.274
180-4	Undeveloped	15.96
180-5	MixedDevelopment	6.515
180-5	Pavement	3.24
180-5	Roofs	0.81
180-5	Undeveloped	89.435
180-6	MixedDevelopment	45.369
180-6	Pavement	22.779
180-6	Roofs	5.695
180-6	Undeveloped	26.157
180-7	MixedDevelopment	23.561
180-7	Pavement	10.149
180-7	Roofs	2.537
180-7	Undeveloped	63.752
180-8	MixedDevelopment	54.25
180-8	Pavement	29.334
180-8	Roofs	7.333
180-8	Undeveloped	9.083
180-9	MixedDevelopment	6.979
180-9	Pavement	3.876
180-9	Roofs	0.969

180-9	Undeveloped	88.176
181	MixedDevelopment	51.386
181	Pavement	38.892
181	Roofs	9.723
182	MixedDevelopment	21.113
182	Pavement	12.784
182	Roofs	3.196
182	Undeveloped	62.908
183	MixedDevelopment	49.186
183	Pavement	15.55
183	Roofs	3.888
183	Undeveloped	31.377
184-1	MixedDevelopment	65
184-1	Pavement	28
184-1	Roofs	7
184-10	MixedDevelopment	54.853
184-10	Pavement	22.748
184-10	Roofs	5.687
184-10	Undeveloped	16.711
184-11	MixedDevelopment	56.09
184-11	Pavement	19.624
184-11	Roofs	4.906
184-11	Undeveloped	19.38
184-12	MixedDevelopment	42.365
184-12	Pavement	24.211
184-12	Roofs	6.053
184-12	Undeveloped	27.371
184-13	Undeveloped	100
184-14	MixedDevelopment	25.919
184-14	Pavement	5.845
184-14	Roofs	1.461
184-14	Undeveloped	66.775
184-15	MixedDevelopment	24.654
184-15	Pavement	10.788
184-15	Roofs	2.697
184-15	Undeveloped	61.86
184-16	MixedDevelopment	24.095
184-16	Pavement	10.379
184-16	Roofs	2.595
184-16	Undeveloped	62.931
184-17	MixedDevelopment	37.922
184-17	Pavement	23.32
184-17	Roofs	5.83
184-17	Undeveloped	32.929
184-18	MixedDevelopment	16.916
184-18	Pavement	5.708
184-18	Roofs	1.427
184-18	Undeveloped	75.949
184-19	MixedDevelopment	8.836
184-19	Pavement	3.806
184-19	Roofs	0.952
184-19	Undeveloped	86.406
184-2	MixedDevelopment	62.216
184-2	Pavement	30.224
184-2	Roofs	7.556
184-2	Undeveloped	0.005
184-20	MixedDevelopment	47.947
184-20	Pavement	25.149
184-20	Roofs	6.287
184-20	Undeveloped	20.617
184-21	MixedDevelopment	15.294
184-21	Pavement	8.462
184-21	Roofs	2.115

184-21	Undeveloped	74.129
184-22	MixedDevelopment	7.886
184-22	Pavement	8.987
184-22	Roofs	2.247
184-22	Undeveloped	80.88
184-23	MixedDevelopment	38.673
184-23	Pavement	27.449
184-23	Roofs	6.862
184-23	Undeveloped	27.016
184-24	MixedDevelopment	49.627
184-24	Pavement	21.153
184-24	Roofs	5.288
184-24	Undeveloped	23.931
184-25	MixedDevelopment	33.49
184-25	Pavement	8.085
184-25	Roofs	2.021
184-25	Undeveloped	56.404
184-26	MixedDevelopment	45.634
184-26	Pavement	11.317
184-26	Roofs	2.829
184-26	Undeveloped	40.219
184-27	MixedDevelopment	69.823
184-27	Pavement	24.142
184-27	Roofs	6.035
184-28	MixedDevelopment	58.832
184-28	Pavement	25.611
184-28	Roofs	6.403
184-28	Undeveloped	9.155
184-29	MixedDevelopment	31.685
184-29	Pavement	44.407
184-29	Roofs	11.102
184-29	Undeveloped	12.806
184-3	MixedDevelopment	65
184-3	Pavement	28
184-3	Roofs	7
184-30	MixedDevelopment	43.766
184-30	Pavement	44.987
184-30	Roofs	11.247
184-31	MixedDevelopment	28.211
184-31	Pavement	51.199
184-31	Roofs	12.8
184-31	Undeveloped	7.79
184-32	MixedDevelopment	40
184-32	Pavement	31.204
184-32	Roofs	7.801
184-32	Undeveloped	20.995
184-33	MixedDevelopment	51.735
184-33	Pavement	31.063
184-33	Roofs	7.766
184-33	Undeveloped	9.436
184-34	MixedDevelopment	45.631
184-34	Pavement	32.338
184-34	Roofs	8.084
184-34	Undeveloped	13.947
184-4	MixedDevelopment	64.357
184-4	Pavement	28.515
184-4	Roofs	7.129
184-5	MixedDevelopment	63.743
184-5	Pavement	26.499
184-5	Roofs	6.625
184-5	Undeveloped	3.134
184-6	MixedDevelopment	32.41
184-6	Pavement	9.414

184-6	Roofs	2.353
184-6	Undeveloped	55.822
184-7	MixedDevelopment	45.578
184-7	Pavement	19.944
184-7	Roofs	4.986
184-7	Undeveloped	29.492
184-8	Undeveloped	100
184-9	MixedDevelopment	8.107
184-9	Pavement	2.879
184-9	Roofs	0.72
184-9	Undeveloped	88.294
185	MixedDevelopment	44.825
185	Pavement	20.565
185	Roofs	5.141
185	Undeveloped	29.469
186	MixedDevelopment	39.129
186	Pavement	14.69
186	Roofs	3.672
186	Undeveloped	42.509
187	MixedDevelopment	48.47
187	Pavement	34.904
187	Roofs	8.726
187	Undeveloped	7.899
188	MixedDevelopment	6.95
188	Pavement	3.14
188	Roofs	0.785
188	Undeveloped	89.124
189	MixedDevelopment	29.492
189	Pavement	17.47
189	Roofs	4.368
189	Undeveloped	48.67
190	MixedDevelopment	45.233
190	Pavement	28.509
190	Roofs	7.127
190	Undeveloped	19.131
191	MixedDevelopment	4.065
191	Pavement	0.572
191	Roofs	0.143
191	Undeveloped	95.22
192	MixedDevelopment	58.563
192	Pavement	33.15
192	Roofs	8.287
193	MixedDevelopment	60.431
193	Pavement	31.655
193	Roofs	7.914
194	MixedDevelopment	41.28
194	Pavement	46.976
194	Roofs	11.744
195	MixedDevelopment	39.286
195	Pavement	48.571
195	Roofs	12.143
196	MixedDevelopment	35.826
196	Pavement	37.347
196	Roofs	9.337
196	Undeveloped	17.49
197	MixedDevelopment	42.724
197	Pavement	45.719
197	Roofs	11.43
197	Undeveloped	0.127
198	MixedDevelopment	70.66
198	Pavement	23.472
198	Roofs	5.868
199	MixedDevelopment	49.156

199	Pavement	30.584
199	Roofs	7.646
199	Undeveloped	12.615
200	MixedDevelopment	24.888
200	Pavement	60.09
200	Roofs	15.022
201	MixedDevelopment	58.385
201	Pavement	33.284
201	Roofs	8.321
201	Undeveloped	0.01
202	MixedDevelopment	6.983
202	Pavement	2.898
202	Roofs	0.724
202	Undeveloped	89.395
203	MixedDevelopment	39.148
203	Pavement	43.096
203	Roofs	10.774
203	Undeveloped	6.982
204	MixedDevelopment	39.743
204	Pavement	38.686
204	Roofs	9.672
204	Undeveloped	11.9
205	MixedDevelopment	53.484
205	Pavement	36.53
205	Roofs	9.133
205	Undeveloped	0.853
206	MixedDevelopment	56.832
206	Pavement	34.534
206	Roofs	8.634
207	MixedDevelopment	64.123
207	Pavement	28.702
207	Roofs	7.175
208	MixedDevelopment	68.63
208	Pavement	25.096
208	Roofs	6.274
209	MixedDevelopment	49.765
209	Pavement	37.177
209	Roofs	9.294
209	Undeveloped	3.764
210	MixedDevelopment	13.898
210	Pavement	9.597
210	Roofs	2.399
210	Undeveloped	74.106
211	MixedDevelopment	49.553
211	Pavement	35.118
211	Roofs	8.78
211	Undeveloped	6.549
212	MixedDevelopment	26.912
212	Pavement	15.699
212	Roofs	3.925
212	Undeveloped	53.464
215	MixedDevelopment	4.294
215	Pavement	0.647
215	Roofs	0.162
215	Undeveloped	94.897
216	MixedDevelopment	26.74
216	Pavement	17.83
216	Roofs	4.458
216	Undeveloped	50.972
217	MixedDevelopment	38.141
217	Pavement	23.682
217	Roofs	5.921
217	Undeveloped	32.256

218	MixedDevelopment	9.191
218	Pavement	3.494
218	Roofs	0.873
218	Undeveloped	86.442
219	MixedDevelopment	25.028
219	Pavement	11.416
219	Roofs	2.854
219	Undeveloped	60.703
220	MixedDevelopment	8.606
220	Pavement	6.504
220	Roofs	1.626
220	Undeveloped	83.264
221	MixedDevelopment	4.497
221	Pavement	1.873
221	Roofs	0.468
221	Undeveloped	93.162
222	MixedDevelopment	3.081
222	Pavement	1.148
222	Roofs	0.287
222	Undeveloped	95.484
225	MixedDevelopment	13.688
225	Pavement	7.434
225	Roofs	1.859
225	Undeveloped	77.019
226	MixedDevelopment	37.398
226	Pavement	30.227
226	Roofs	7.557
226	Undeveloped	24.819
227	MixedDevelopment	5.525
227	Pavement	2.38
227	Roofs	0.595
227	Undeveloped	91.501
228	MixedDevelopment	7.257
228	Pavement	6.471
228	Roofs	1.618
228	Undeveloped	84.654
229	MixedDevelopment	4.445
229	Pavement	0.61
229	Roofs	0.152
229	Undeveloped	94.793
230	MixedDevelopment	8.111
230	Pavement	2.546
230	Roofs	0.636
230	Undeveloped	88.707
231	MixedDevelopment	9.855
231	Pavement	3.942
231	Roofs	0.985
231	Undeveloped	85.218
232	MixedDevelopment	3.348
232	Pavement	0.298
232	Roofs	0.074
232	Undeveloped	96.28
233	MixedDevelopment	31.648
233	Pavement	20.644
233	Roofs	5.161
233	Undeveloped	42.546
234	MixedDevelopment	4.524
234	Pavement	5.369
234	Roofs	1.342
234	Undeveloped	88.765
235	MixedDevelopment	6.497
235	Pavement	1.343
235	Roofs	0.336

235	Undeveloped	91.825
236	MixedDevelopment	26.886
236	Pavement	22.263
236	Roofs	5.566
236	Undeveloped	45.286
237	MixedDevelopment	26.437
237	Pavement	25.068
237	Roofs	6.267
237	Undeveloped	42.229
238	MixedDevelopment	25.381
238	Pavement	31.009
238	Roofs	7.752
238	Undeveloped	35.857
239	MixedDevelopment	32.891
239	Pavement	16.544
239	Roofs	4.136
239	Undeveloped	46.43
240	MixedDevelopment	4.072
240	Pavement	0.577
240	Roofs	0.144
240	Undeveloped	95.206
241	MixedDevelopment	3.679
241	Pavement	0.833
241	Roofs	0.208
241	Undeveloped	95.28
242	MixedDevelopment	1.349
242	Pavement	0.629
242	Roofs	0.157
242	Undeveloped	97.865
243	MixedDevelopment	37.801
243	Pavement	17.919
243	Roofs	4.48
243	Undeveloped	39.8
244	MixedDevelopment	40.156
244	Pavement	29.638
244	Roofs	7.41
244	Undeveloped	22.796
245	MixedDevelopment	44.366
245	Pavement	25.208
245	Roofs	6.302
245	Undeveloped	24.124
248	MixedDevelopment	17.183
248	Pavement	8.87
248	Roofs	2.218
248	Undeveloped	71.729
249	MixedDevelopment	22.983
249	Pavement	6.844
249	Roofs	1.711
249	Undeveloped	68.462
250	MixedDevelopment	14.355
250	Pavement	5.91
250	Roofs	1.478
250	Undeveloped	78.257
255	MixedDevelopment	10.926
255	Pavement	3.895
255	Roofs	0.974
255	Undeveloped	84.205
256	MixedDevelopment	25.546
256	Pavement	8.417
256	Roofs	2.104
256	Undeveloped	63.932
257	MixedDevelopment	25.106
257	Pavement	9.488

257	Roofs	2.372
257	Undeveloped	63.033
258	MixedDevelopment	6.083
258	Pavement	2.869
258	Roofs	0.717
258	Undeveloped	90.331
262	MixedDevelopment	9.835
262	Pavement	6.12
262	Roofs	1.53
262	Undeveloped	82.516
35	MixedDevelopment	4.041
35	Pavement	0.385
35	Roofs	0.096
35	Undeveloped	95.477
36	MixedDevelopment	2.103
36	Pavement	0.272
36	Roofs	0.068
36	Undeveloped	97.557
49	MixedDevelopment	6.257
49	Pavement	2.079
49	Roofs	0.52
49	Undeveloped	91.144
50	MixedDevelopment	3.99
50	Pavement	0.457
50	Roofs	0.114
50	Undeveloped	95.439
51	MixedDevelopment	4.146
51	Pavement	1.068
51	Roofs	0.267
51	Undeveloped	94.519
52	MixedDevelopment	10.155
52	Pavement	3.487
52	Roofs	0.872
52	Undeveloped	85.486
53	MixedDevelopment	3.37
53	Pavement	0.358
53	Roofs	0.09
53	Undeveloped	96.183
54	MixedDevelopment	3.545
54	Pavement	0.446
54	Roofs	0.112
54	Undeveloped	95.897
58	MixedDevelopment	34.17
58	Pavement	17.054
58	Roofs	4.263
58	Undeveloped	44.513
59	MixedDevelopment	20.673
59	Pavement	3.367
59	Roofs	0.842
59	Undeveloped	75.118
67	MixedDevelopment	4.949
67	Pavement	1.505
67	Roofs	0.376
67	Undeveloped	93.17
68	MixedDevelopment	6.566
68	Pavement	2.695
68	Roofs	0.674
68	Undeveloped	90.066
69	MixedDevelopment	7.113
69	Pavement	1.67
69	Roofs	0.417
69	Undeveloped	90.8
70	MixedDevelopment	6.999

70	Pavement	1.6
70	Roofs	0.4
70	Undeveloped	91.001
75	MixedDevelopment	2.534
75	Pavement	0.291
75	Roofs	0.073
75	Undeveloped	97.102
76	MixedDevelopment	3.46
76	Pavement	0.731
76	Roofs	0.183
76	Undeveloped	95.625
77	MixedDevelopment	6.507
77	Pavement	1.515
77	Roofs	0.379
77	Undeveloped	91.599
78	MixedDevelopment	8.549
78	Pavement	2.882
78	Roofs	0.721
78	Undeveloped	87.849
79	MixedDevelopment	13.751
79	Pavement	7.203
79	Roofs	1.801
79	Undeveloped	77.245
80	MixedDevelopment	6.251
80	Pavement	1.825
80	Roofs	0.456
80	Undeveloped	91.467
81	MixedDevelopment	8.034
81	Pavement	3.524
81	Roofs	0.881
81	Undeveloped	87.561
82	MixedDevelopment	2.9
82	Pavement	0.258
82	Roofs	0.064
82	Undeveloped	96.777
83	MixedDevelopment	3.878
83	Pavement	0.35
83	Roofs	0.087
83	Undeveloped	95.685
84	MixedDevelopment	3.264
84	Pavement	0.667
84	Roofs	0.167
84	Undeveloped	95.903
85	MixedDevelopment	5.415
85	Pavement	0.931
85	Roofs	0.233
85	Undeveloped	93.421
86	MixedDevelopment	8.772
86	Pavement	2.373
86	Roofs	0.593
86	Undeveloped	88.261
87	MixedDevelopment	30.538
87	Pavement	16.077
87	Roofs	4.019
87	Undeveloped	49.365
88	MixedDevelopment	7.865
88	Pavement	2.57
88	Roofs	0.642
88	Undeveloped	88.923
89	MixedDevelopment	2.772
89	Pavement	0.27
89	Roofs	0.067
89	Undeveloped	96.891

90	MixedDevelopment	20.791
90	Pavement	7.174
90	Roofs	1.794
90	Undeveloped	70.241
91	Undeveloped	100
92	MixedDevelopment	21.026
92	Pavement	13.51
92	Roofs	3.378
92	Undeveloped	62.086
93	MixedDevelopment	39.397
93	Pavement	22.232
93	Roofs	5.558
93	Undeveloped	32.814
94	MixedDevelopment	3.046
94	Pavement	0.664
94	Roofs	0.166
94	Undeveloped	96.124
95	MixedDevelopment	37.871
95	Pavement	13.074
95	Roofs	3.268
95	Undeveloped	45.787
96	MixedDevelopment	10.872
96	Pavement	4.322
96	Roofs	1.08
96	Undeveloped	83.726
97	MixedDevelopment	36.975
97	Pavement	17.353
97	Roofs	4.338
97	Undeveloped	41.334
98	MixedDevelopment	33.344
98	Pavement	15.362
98	Roofs	3.84
98	Undeveloped	47.454
99	MixedDevelopment	19.239
99	Pavement	9.793
99	Roofs	2.448
99	Undeveloped	68.52

[LOADINGS]

```
;;Subcatchment Pollutant Loading
;;-----
```

[BUILDUP]

```
;;LandUse Pollutant Function Coeff1 Coeff2 Coeff3
Normalizer
;;-----
```

MixedDevelopment	Nitrogen	NONE	0.0	0.0	0.0	AREA
MixedDevelopment	Phosphorus	NONE	0.0	0.0	0.0	AREA
MixedDevelopment	TSS	POW	60.4499975	0.5	1	AREA
Pavement	Nitrogen	NONE	0.0	0.0	0.0	AREA
Pavement	Phosphorus	NONE	0.0	0.0	0.0	AREA
Pavement	TSS	POW	36.1565	0.3	1	AREA
Roofs	Nitrogen	NONE	0.0	0.0	0.0	AREA
Roofs	Phosphorus	NONE	0.0	0.0	0.0	AREA
Roofs	TSS	POW	9.14473745	0.3	1	AREA
Undeveloped	Nitrogen	NONE	0.0	0.0	0.0	AREA
Undeveloped	Phosphorus	NONE	0.0	0.0	0.0	AREA
Undeveloped	TSS	POW	1029.966033	0.8	1	AREA

[WASHOFF]

```
;;
;;Land Use Pollutant Function Coeff1 Coeff2 Cleaning BMP
Effic. Effic.
```

```

;;-----
---
MixedDevelopment Nitrogen EMC 5 0.0 0.0 0.0
MixedDevelopment Phosphorus EMC 0.8 0.0 0.0 0.0
MixedDevelopment TSS EXP 20 1.8 0.0 0.0
Pavement Nitrogen EMC 5.2 0.0 0.0 0.0
Pavement Phosphorus EMC 0.88 0.0 0.0 0.0
Pavement TSS EXP 40 2.2 0.0 0
Roofs Nitrogen EMC 5.2 0.0 0.0 0.0
Roofs Phosphorus EMC 0.88 0.0 0.0 0.0
Roofs TSS EXP 40 2.2 0.0 0.0
Undeveloped Nitrogen EMC 4.8 0.0 0.0 0.0
Undeveloped Phosphorus EMC 0.5 0.0 0.0 0.0
Undeveloped TSS EXP 10 1.2 0.0 0.0

```

[INFLOWS]

```

;;
Baseline Baseline Param Units Scale
;;Node Parameter Time Series Type Factor Factor Value
Pattern
;;-----
-----
N190 Flow "" FLOW 1.0 1 5

```

[CURVES]

```

;;Name Type X-Value Y-Value
;;-----
4446-0013 Storage 0 266494.38562
4446-0013 4.9 358895.260855

4446-0025 Storage 0 73009.265196
4446-0025 3.28 90538.105457

4446-0030 Storage 0 52070.767732
4446-0030 10 77680.58065

4446-0157 Storage 0 110229.018339
4446-0157 16.4 123489.716021

4446-0203 Storage 0 109607.6608
4446-0203 15 131959.970758

4446-0206 Storage 0 8476.099157
4446-0206 3.28 11729.981205

4546-3004 Storage 0 26637.548675
4546-3004 3.28 44566.147738

4547-0007 Storage 0 259978.8829
4547-0007 4.92126 259978.8829

4547-0059 Storage 0 81995.700021
4547-0059 3.28 92284.560881

4547-0093 Storage 0 50657.754716
4547-0093 3.2808 66174.498686

4547-0109 Storage 0 39142.796297
4547-0109 4.9 53430.696581

4547-0175 Storage 0 106004.163651
4547-0175 4.9 130652.47623

```

4547-0223	Storage	0	318336.253773
4547-0223		4.9	318336.253773
4547-0233	Storage	0	59503.346747
4547-0233		4.9	76468.810755
4547-0240	Storage	0	133148.587372
4547-0240		4.9	153766.983634
4547-3043	Storage	0	278439.982948
4547-3043		16	320397.674037
4547-3050	Storage	0	63115.653581
4547-3050		4.9	94000
4548-0014	Storage	0	159392.494914
4548-0014		3.28081	195517.483395
4548-3019	Storage	0	14845.441104
4548-3019		3.28	26631.617538
4548-3021	Storage	0	27347.438611
4548-3021		3.28081	27347.438611
4549-0006	Storage	0	587751.983
4549-0006		11.48294	587751.983
4549-0015	Storage	0	75791.88638
4549-0015		8.2021	91397.787
4549-0081	Storage	0	53299.00764
4549-0081		5	62111.10041
4549-0115	Storage	0	80138.774855
4549-0115		4.921215	129745.634046
4549-3028	Storage	0	125959.795508
4549-3028		13.12	146059.039962
4646-0073	Storage	0	28736.559113
4646-0073		4.9	40499.342922
4647-0036	Storage	0	84658.856258
4647-0036		3.2808	100060.256573
4647-0041	Storage	0	114318.139835
4647-0041		4.9	133442.381735
4647-0076	Storage	0	82287.683055
4647-0076		3.2808	95540.991674
4647-0084	Storage	0	1201589.328374
4647-0084		8.2	1201589.328374
4647-0151	Storage	0	470018.844131
4647-0151		4.9	470018.844131
4647-0173	Storage	0	87941.252808
4647-0173		3.28084	87941.252808
4647-0174	Storage	0	3872.548941
4647-0174		3.28084	6416.618849

4647-0190	Storage	0	190502.854834
4647-0190		3.28	190502.854834
4647-0221	Storage	0	148349.854926
4647-0221		4.9	148349.854926
4647-0300	Storage	0	200780.880031
4647-0300		3.28	200780.880031
4647-0322	Storage	0	14356.725695
4647-0322		4.9	20183.998838
4647-3001	Storage	0	42866.374838
4647-3001		3.2808	42866.374838
4647-3004	Storage	0	448189.428605
4647-3004		4.9	448189.428605
4647-3023	Storage	0	129387.005755
4647-3023		3.2808	129387.005755
4647-3069	Storage	0	36874.70934
4647-3069		4.9	36874.70934
4647-3094	Storage	0	99420.52036
4647-3094		3.2808	113583.436694
4647-3109	Storage	0	141914.39251
4647-3109		3.2808	170251.590134
4647-3118	Storage	0	82535.219752
4647-3118		3.28	118039.894522
4648-0018	Storage	0	99250.33809
4648-0018		10	143273.444
4648-0025	Storage	0	129624.12
4648-0025		4.92126	129624.12
4648-0033	Storage	0	108605.8364
4648-0033		3.28084	108605.8364
4648-0034	Storage	0	41188.91079
4648-0034		4.92126	51547.54283
4648-0049	Storage	0	170420.6637
4648-0049		4.92126	170420.6637
4648-0083	Storage	0	107310.4215
4648-0083		4.92126	118872.4855
4648-0115	Storage	0	88499.5645
4648-0115		8	96603.47385
4648-0145	Storage	0	38628.43835
4648-0145		3.28084	46439.46256
4648-0147	Storage	0	290244.4214
4648-0147		4.92126	320166.0435
4648-0151	Storage	0	56822.35653
4648-0151		6.56168	67068.88443

4649-0025	Storage	0	75890.79011
4649-0025		6.56168	83119.98183
4649-0062	Storage	0	49302.3432
4649-0062		8.2021	49302.3432
4649-0080	Storage	0	647408.8468
4649-0080		4.92126	688479.3164
4649-0101	Storage	0	61433.81629
4649-0101		1.64042	61433.81629
4649-0136	Storage	0	21388.73332
4649-0136		3.28	37064.77764
4649-0163	Storage	0	35630.61553
4649-0163		4.92126	40954.49489
4745-3012	Storage	0	287087.561632
4745-3012		3.28084	316266.78081
4746-0009	Storage	0	114715.72314
4746-0009		6.56	123439.777917
4746-0038	Storage	0	111538.032026
4746-0038		8.2	130944.44453
4746-0039	Storage	0	100869.794599
4746-0039		4.9	100869.794599
4746-0056	Storage	0	153195.492061
4746-0056		4.9	153195.492061
4746-0083	Storage	0	84037.237294
4746-0083		3.28084	93249.505075
4746-0177	Storage	0	175943.665909
4746-0177		15	175943.665909
4746-0179	Storage	0	69841.206065
4746-0179		3.281	69841.206065
4746-0307	Storage	0	17731.523542
4746-0307		12	17731.523542
4746-0312	Storage	0	108190.973245
4746-0312		10	108190.973245
4746-0314	Storage	0	241305.390567
4746-0314		4.9	241305.390567
4747-0128	Storage	0	333498.017325
4747-0128		8.2	333498.017325
4747-0247	Storage	0	174090.241148
4747-0247		6.56	209870.840632
4748-0115	Storage	0	254229.3969
4748-0115		6.56168	254229.3969
4748-0139	Storage	0	64708.25736
4748-0139		10	70998.73745

[TIMESERIES]

```
;;Name          Date          Time          Value
;;-----
```

```
;Total inflow (cfs)
```

```
07143375_2010  11/08/2010  00:00:00    144
07143375_2010  11/08/2010  01:00:00    144
07143375_2010  11/08/2010  02:00:00    144
07143375_2010  11/08/2010  03:00:00    144
07143375_2010  11/08/2010  04:00:00    147
07143375_2010  11/08/2010  05:00:00    144
07143375_2010  11/08/2010  06:00:00    151
07143375_2010  11/08/2010  07:00:00    147
07143375_2010  11/08/2010  08:00:00    144
07143375_2010  11/08/2010  09:00:00    144
07143375_2010  11/08/2010  10:00:00    144
```

.....

Too many data points (1368 in total).

```
;Flow (cfs)
```

```
07143375_septoctnov2013  09/01/2013  00:00:00    501
07143375_septoctnov2013  09/01/2013  00:15:00    501
07143375_septoctnov2013  09/01/2013  00:30:00    501
07143375_septoctnov2013  09/01/2013  00:45:00    501
07143375_septoctnov2013  09/01/2013  01:00:00    501
07143375_septoctnov2013  09/01/2013  01:15:00    501
07143375_septoctnov2013  09/01/2013  01:30:00    501
07143375_septoctnov2013  09/01/2013  01:45:00    501
07143375_septoctnov2013  09/01/2013  02:00:00    501
07143375_septoctnov2013  09/01/2013  02:15:00    497
07143375_septoctnov2013  09/01/2013  02:30:00    501
```

.....

Too many data points (8736 in total).

```
;Flow (cfs)
```

```
07143375_yearlong2011  01/01/2011  00:00:00    230
07143375_yearlong2011  01/01/2011  01:00:00    230
07143375_yearlong2011  01/01/2011  02:00:00    234
07143375_yearlong2011  01/01/2011  03:00:00    234
07143375_yearlong2011  01/01/2011  04:00:00    234
07143375_yearlong2011  01/01/2011  05:00:00    234
07143375_yearlong2011  01/01/2011  06:00:00    218
07143375_yearlong2011  01/01/2011  07:00:00    247
07143375_yearlong2011  01/01/2011  08:00:00    210
07143375_yearlong2011  01/01/2011  09:00:00    174
07143375_yearlong2011  01/01/2011  10:00:00    207
```

.....

Too many data points (4079 in total).

```
;Flow (cfs)
```

```
07143375_yearlong2013  01/01/2013  00:00:00    4.9
07143375_yearlong2013  01/01/2013  00:15:00    4.9
07143375_yearlong2013  01/01/2013  00:30:00    4.9
07143375_yearlong2013  01/01/2013  00:45:00    4.9
07143375_yearlong2013  01/01/2013  01:00:00    4.9
07143375_yearlong2013  01/01/2013  01:15:00    4.9
07143375_yearlong2013  01/01/2013  01:30:00    4.4
07143375_yearlong2013  01/01/2013  01:45:00    4.4
07143375_yearlong2013  01/01/2013  02:00:00    4.4
07143375_yearlong2013  01/01/2013  02:15:00    4.4
07143375_yearlong2013  01/01/2013  02:30:00    4.4
```

.....

Too many data points (31674 in total).

```

;Total inflow (cfs)
07144200_2010      11/08/2010 00:00:00    41
07144200_2010      11/08/2010 01:00:00    41
07144200_2010      11/08/2010 02:00:00    41
07144200_2010      11/08/2010 03:00:00    41
07144200_2010      11/08/2010 04:00:00    41
07144200_2010      11/08/2010 05:00:00    41
07144200_2010      11/08/2010 06:00:00    41
07144200_2010      11/08/2010 07:00:00    41
07144200_2010      11/08/2010 08:00:00    41
07144200_2010      11/08/2010 09:00:00    41
07144200_2010      11/08/2010 10:00:00    41

```

.....
Too many data points (1296 in total).

```

;Flow (cfs)
07144200_septoctnov2013 09/01/2013 00:00:00    194
07144200_septoctnov2013 09/01/2013 01:00:00    192
07144200_septoctnov2013 09/01/2013 02:00:00    192
07144200_septoctnov2013 09/01/2013 03:00:00    194
07144200_septoctnov2013 09/01/2013 04:00:00    194
07144200_septoctnov2013 09/01/2013 05:00:00    194
07144200_septoctnov2013 09/01/2013 06:00:00    192
07144200_septoctnov2013 09/01/2013 07:00:00    194
07144200_septoctnov2013 09/01/2013 08:00:00    190
07144200_septoctnov2013 09/01/2013 09:00:00    192
07144200_septoctnov2013 09/01/2013 10:00:00    190

```

.....
Too many data points (2112 in total).

```

;Flow (cfs)
07144200_yearlong2011 01/01/2011 00:00:00    46
07144200_yearlong2011 01/01/2011 01:00:00    46
07144200_yearlong2011 01/01/2011 02:00:00    46
07144200_yearlong2011 01/01/2011 03:00:00    46
07144200_yearlong2011 01/01/2011 04:00:00    46
07144200_yearlong2011 01/01/2011 05:00:00    47
07144200_yearlong2011 01/01/2011 06:00:00    47
07144200_yearlong2011 01/01/2011 07:00:00    48
07144200_yearlong2011 01/01/2011 08:00:00    49
07144200_yearlong2011 01/01/2011 09:00:00    51
07144200_yearlong2011 01/01/2011 10:00:00    50

```

.....
Too many data points (8034 in total).

```

;Flow (cfs)
07144200_yearlong2013 01/01/2013 00:00:00    8.7
07144200_yearlong2013 01/01/2013 01:00:00    8.7
07144200_yearlong2013 01/01/2013 02:00:00    8.7
07144200_yearlong2013 01/01/2013 03:00:00    8.7
07144200_yearlong2013 01/01/2013 04:00:00    8.7
07144200_yearlong2013 01/01/2013 05:00:00    8.7
07144200_yearlong2013 01/01/2013 06:00:00    8.7
07144200_yearlong2013 01/01/2013 07:00:00    8.7
07144200_yearlong2013 01/01/2013 08:00:00    8.7
07144200_yearlong2013 01/01/2013 09:00:00    8.3
07144200_yearlong2013 01/01/2013 10:00:00    8.3

```

.....
Too many data points (7844 in total).

```

;SCS_24h_Type_II_1.2in design storm, total rainfall = 1.2 in, rain units = in/hr.
SCS_24h_Type_II_1.2in 7/1/2015 0:00    0.0132
SCS_24h_Type_II_1.2in      0:15    0.0132

```

SCS_24h_Type_II_1.2in	0:30	0.0132
SCS_24h_Type_II_1.2in	0:45	0.0132
SCS_24h_Type_II_1.2in	1:00	0.0132
SCS_24h_Type_II_1.2in	1:15	0.0132
SCS_24h_Type_II_1.2in	1:30	0.0132
SCS_24h_Type_II_1.2in	1:45	0.0132
SCS_24h_Type_II_1.2in	2:00	0.0156
SCS_24h_Type_II_1.2in	2:15	0.0156
SCS_24h_Type_II_1.2in	2:30	0.0156
SCS_24h_Type_II_1.2in	2:45	0.0156
SCS_24h_Type_II_1.2in	3:00	0.0156
SCS_24h_Type_II_1.2in	3:15	0.0156
SCS_24h_Type_II_1.2in	3:30	0.0156
SCS_24h_Type_II_1.2in	3:45	0.0156
SCS_24h_Type_II_1.2in	4:00	0.0192
SCS_24h_Type_II_1.2in	4:15	0.0192
SCS_24h_Type_II_1.2in	4:30	0.0192
SCS_24h_Type_II_1.2in	4:45	0.0192
SCS_24h_Type_II_1.2in	5:00	0.0192
SCS_24h_Type_II_1.2in	5:15	0.0192
SCS_24h_Type_II_1.2in	5:30	0.0192
SCS_24h_Type_II_1.2in	5:45	0.0192
SCS_24h_Type_II_1.2in	6:00	0.0216
SCS_24h_Type_II_1.2in	6:15	0.0216
SCS_24h_Type_II_1.2in	6:30	0.0216
SCS_24h_Type_II_1.2in	6:45	0.0216
SCS_24h_Type_II_1.2in	7:00	0.0264
SCS_24h_Type_II_1.2in	7:15	0.0264
SCS_24h_Type_II_1.2in	7:30	0.0264
SCS_24h_Type_II_1.2in	7:45	0.0264
SCS_24h_Type_II_1.2in	8:00	0.0312
SCS_24h_Type_II_1.2in	8:15	0.0312
SCS_24h_Type_II_1.2in	8:30	0.0336
SCS_24h_Type_II_1.2in	8:45	0.0336
SCS_24h_Type_II_1.2in	9:00	0.0384
SCS_24h_Type_II_1.2in	9:15	0.0384
SCS_24h_Type_II_1.2in	9:30	0.0432
SCS_24h_Type_II_1.2in	9:45	0.0432
SCS_24h_Type_II_1.2in	10:00	0.0552
SCS_24h_Type_II_1.2in	10:15	0.0552
SCS_24h_Type_II_1.2in	10:30	0.0744
SCS_24h_Type_II_1.2in	10:45	0.0744
SCS_24h_Type_II_1.2in	11:00	0.115
SCS_24h_Type_II_1.2in	11:15	0.115
SCS_24h_Type_II_1.2in	11:30	0.355
SCS_24h_Type_II_1.2in	11:45	1.469
SCS_24h_Type_II_1.2in	12:00	0.173
SCS_24h_Type_II_1.2in	12:15	0.173
SCS_24h_Type_II_1.2in	12:30	0.0888
SCS_24h_Type_II_1.2in	12:45	0.0888
SCS_24h_Type_II_1.2in	13:00	0.0648
SCS_24h_Type_II_1.2in	13:15	0.0648
SCS_24h_Type_II_1.2in	13:30	0.0504
SCS_24h_Type_II_1.2in	13:45	0.0504
SCS_24h_Type_II_1.2in	14:00	0.036
SCS_24h_Type_II_1.2in	14:15	0.036
SCS_24h_Type_II_1.2in	14:30	0.036
SCS_24h_Type_II_1.2in	14:45	0.036
SCS_24h_Type_II_1.2in	15:00	0.036
SCS_24h_Type_II_1.2in	15:15	0.036
SCS_24h_Type_II_1.2in	15:30	0.036
SCS_24h_Type_II_1.2in	15:45	0.036
SCS_24h_Type_II_1.2in	16:00	0.0216

SCS_24h_Type_II_1.2in	16:15	0.0216
SCS_24h_Type_II_1.2in	16:30	0.0216
SCS_24h_Type_II_1.2in	16:45	0.0216
SCS_24h_Type_II_1.2in	17:00	0.0216
SCS_24h_Type_II_1.2in	17:15	0.0216
SCS_24h_Type_II_1.2in	17:30	0.0216
SCS_24h_Type_II_1.2in	17:45	0.0216
SCS_24h_Type_II_1.2in	18:00	0.0216
SCS_24h_Type_II_1.2in	18:15	0.0216
SCS_24h_Type_II_1.2in	18:30	0.0216
SCS_24h_Type_II_1.2in	18:45	0.0216
SCS_24h_Type_II_1.2in	19:00	0.0216
SCS_24h_Type_II_1.2in	19:15	0.0216
SCS_24h_Type_II_1.2in	19:30	0.0216
SCS_24h_Type_II_1.2in	19:45	0.0216
SCS_24h_Type_II_1.2in	20:00	0.0144
SCS_24h_Type_II_1.2in	20:15	0.0144
SCS_24h_Type_II_1.2in	20:30	0.0144
SCS_24h_Type_II_1.2in	20:45	0.0144
SCS_24h_Type_II_1.2in	21:00	0.0144
SCS_24h_Type_II_1.2in	21:15	0.0144
SCS_24h_Type_II_1.2in	21:30	0.0144
SCS_24h_Type_II_1.2in	21:45	0.0144
SCS_24h_Type_II_1.2in	22:00	0.0144
SCS_24h_Type_II_1.2in	22:15	0.0144
SCS_24h_Type_II_1.2in	22:30	0.0144
SCS_24h_Type_II_1.2in	22:45	0.0144
SCS_24h_Type_II_1.2in	23:00	0.0144
SCS_24h_Type_II_1.2in	23:15	0.0144
SCS_24h_Type_II_1.2in	23:30	0.0144
SCS_24h_Type_II_1.2in	23:45	0.0144
SCS_24h_Type_II_1.2in	24:00	0

;SCS_24h_Type_II_4.24in design storm, total rainfall = 4.24 in, rain units = in/hr.

SCS_24h_Type_II_4.24in 7/1/2015	0:00	0.0466
SCS_24h_Type_II_4.24in	0:15	0.0466
SCS_24h_Type_II_4.24in	0:30	0.0466
SCS_24h_Type_II_4.24in	0:45	0.0466
SCS_24h_Type_II_4.24in	1:00	0.0466
SCS_24h_Type_II_4.24in	1:15	0.0466
SCS_24h_Type_II_4.24in	1:30	0.0466
SCS_24h_Type_II_4.24in	1:45	0.0466
SCS_24h_Type_II_4.24in	2:00	0.0551
SCS_24h_Type_II_4.24in	2:15	0.0551
SCS_24h_Type_II_4.24in	2:30	0.0551
SCS_24h_Type_II_4.24in	2:45	0.0551
SCS_24h_Type_II_4.24in	3:00	0.0551
SCS_24h_Type_II_4.24in	3:15	0.0551
SCS_24h_Type_II_4.24in	3:30	0.0551
SCS_24h_Type_II_4.24in	3:45	0.0551
SCS_24h_Type_II_4.24in	4:00	0.0678
SCS_24h_Type_II_4.24in	4:15	0.0678
SCS_24h_Type_II_4.24in	4:30	0.0678
SCS_24h_Type_II_4.24in	4:45	0.0678
SCS_24h_Type_II_4.24in	5:00	0.0678
SCS_24h_Type_II_4.24in	5:15	0.0678
SCS_24h_Type_II_4.24in	5:30	0.0678
SCS_24h_Type_II_4.24in	5:45	0.0678
SCS_24h_Type_II_4.24in	6:00	0.0763
SCS_24h_Type_II_4.24in	6:15	0.0763
SCS_24h_Type_II_4.24in	6:30	0.0763
SCS_24h_Type_II_4.24in	6:45	0.0763
SCS_24h_Type_II_4.24in	7:00	0.0933

SCS_24h_Type_II_4.24in	7:15	0.0933
SCS_24h_Type_II_4.24in	7:30	0.0933
SCS_24h_Type_II_4.24in	7:45	0.0933
SCS_24h_Type_II_4.24in	8:00	0.11
SCS_24h_Type_II_4.24in	8:15	0.11
SCS_24h_Type_II_4.24in	8:30	0.119
SCS_24h_Type_II_4.24in	8:45	0.119
SCS_24h_Type_II_4.24in	9:00	0.136
SCS_24h_Type_II_4.24in	9:15	0.136
SCS_24h_Type_II_4.24in	9:30	0.153
SCS_24h_Type_II_4.24in	9:45	0.153
SCS_24h_Type_II_4.24in	10:00	0.195
SCS_24h_Type_II_4.24in	10:15	0.195
SCS_24h_Type_II_4.24in	10:30	0.263
SCS_24h_Type_II_4.24in	10:45	0.263
SCS_24h_Type_II_4.24in	11:00	0.407
SCS_24h_Type_II_4.24in	11:15	0.407
SCS_24h_Type_II_4.24in	11:30	1.255
SCS_24h_Type_II_4.24in	11:45	5.19
SCS_24h_Type_II_4.24in	12:00	0.611
SCS_24h_Type_II_4.24in	12:15	0.611
SCS_24h_Type_II_4.24in	12:30	0.314
SCS_24h_Type_II_4.24in	12:45	0.314
SCS_24h_Type_II_4.24in	13:00	0.229
SCS_24h_Type_II_4.24in	13:15	0.229
SCS_24h_Type_II_4.24in	13:30	0.178
SCS_24h_Type_II_4.24in	13:45	0.178
SCS_24h_Type_II_4.24in	14:00	0.127
SCS_24h_Type_II_4.24in	14:15	0.127
SCS_24h_Type_II_4.24in	14:30	0.127
SCS_24h_Type_II_4.24in	14:45	0.127
SCS_24h_Type_II_4.24in	15:00	0.127
SCS_24h_Type_II_4.24in	15:15	0.127
SCS_24h_Type_II_4.24in	15:30	0.127
SCS_24h_Type_II_4.24in	15:45	0.127
SCS_24h_Type_II_4.24in	16:00	0.0763
SCS_24h_Type_II_4.24in	16:15	0.0763
SCS_24h_Type_II_4.24in	16:30	0.0763
SCS_24h_Type_II_4.24in	16:45	0.0763
SCS_24h_Type_II_4.24in	17:00	0.0763
SCS_24h_Type_II_4.24in	17:15	0.0763
SCS_24h_Type_II_4.24in	17:30	0.0763
SCS_24h_Type_II_4.24in	17:45	0.0763
SCS_24h_Type_II_4.24in	18:00	0.0763
SCS_24h_Type_II_4.24in	18:15	0.0763
SCS_24h_Type_II_4.24in	18:30	0.0763
SCS_24h_Type_II_4.24in	18:45	0.0763
SCS_24h_Type_II_4.24in	19:00	0.0763
SCS_24h_Type_II_4.24in	19:15	0.0763
SCS_24h_Type_II_4.24in	19:30	0.0763
SCS_24h_Type_II_4.24in	19:45	0.0763
SCS_24h_Type_II_4.24in	20:00	0.0509
SCS_24h_Type_II_4.24in	20:15	0.0509
SCS_24h_Type_II_4.24in	20:30	0.0509
SCS_24h_Type_II_4.24in	20:45	0.0509
SCS_24h_Type_II_4.24in	21:00	0.0509
SCS_24h_Type_II_4.24in	21:15	0.0509
SCS_24h_Type_II_4.24in	21:30	0.0509
SCS_24h_Type_II_4.24in	21:45	0.0509
SCS_24h_Type_II_4.24in	22:00	0.0509
SCS_24h_Type_II_4.24in	22:15	0.0509
SCS_24h_Type_II_4.24in	22:30	0.0509
SCS_24h_Type_II_4.24in	22:45	0.0509

SCS_24h_Type_II_4.24in	23:00	0.0509
SCS_24h_Type_II_4.24in	23:15	0.0509
SCS_24h_Type_II_4.24in	23:30	0.0509
SCS_24h_Type_II_4.24in	23:45	0.0509
SCS_24h_Type_II_4.24in	24:00	0

;SCS_24h_Type_II_4.98in design storm, total rainfall = 4.98 in, rain units = in/hr.

SCS_24h_Type_II_4.98in	7/1/2015 0:00	0.0548
SCS_24h_Type_II_4.98in	0:15	0.0548
SCS_24h_Type_II_4.98in	0:30	0.0548
SCS_24h_Type_II_4.98in	0:45	0.0548
SCS_24h_Type_II_4.98in	1:00	0.0548
SCS_24h_Type_II_4.98in	1:15	0.0548
SCS_24h_Type_II_4.98in	1:30	0.0548
SCS_24h_Type_II_4.98in	1:45	0.0548
SCS_24h_Type_II_4.98in	2:00	0.0647
SCS_24h_Type_II_4.98in	2:15	0.0647
SCS_24h_Type_II_4.98in	2:30	0.0647
SCS_24h_Type_II_4.98in	2:45	0.0647
SCS_24h_Type_II_4.98in	3:00	0.0647
SCS_24h_Type_II_4.98in	3:15	0.0647
SCS_24h_Type_II_4.98in	3:30	0.0647
SCS_24h_Type_II_4.98in	3:45	0.0647
SCS_24h_Type_II_4.98in	4:00	0.0797
SCS_24h_Type_II_4.98in	4:15	0.0797
SCS_24h_Type_II_4.98in	4:30	0.0797
SCS_24h_Type_II_4.98in	4:45	0.0797
SCS_24h_Type_II_4.98in	5:00	0.0797
SCS_24h_Type_II_4.98in	5:15	0.0797
SCS_24h_Type_II_4.98in	5:30	0.0797
SCS_24h_Type_II_4.98in	5:45	0.0797
SCS_24h_Type_II_4.98in	6:00	0.0896
SCS_24h_Type_II_4.98in	6:15	0.0896
SCS_24h_Type_II_4.98in	6:30	0.0896
SCS_24h_Type_II_4.98in	6:45	0.0896
SCS_24h_Type_II_4.98in	7:00	0.11
SCS_24h_Type_II_4.98in	7:15	0.11
SCS_24h_Type_II_4.98in	7:30	0.11
SCS_24h_Type_II_4.98in	7:45	0.11
SCS_24h_Type_II_4.98in	8:00	0.129
SCS_24h_Type_II_4.98in	8:15	0.129
SCS_24h_Type_II_4.98in	8:30	0.139
SCS_24h_Type_II_4.98in	8:45	0.139
SCS_24h_Type_II_4.98in	9:00	0.159
SCS_24h_Type_II_4.98in	9:15	0.159
SCS_24h_Type_II_4.98in	9:30	0.179
SCS_24h_Type_II_4.98in	9:45	0.179
SCS_24h_Type_II_4.98in	10:00	0.229
SCS_24h_Type_II_4.98in	10:15	0.229
SCS_24h_Type_II_4.98in	10:30	0.309
SCS_24h_Type_II_4.98in	10:45	0.309
SCS_24h_Type_II_4.98in	11:00	0.478
SCS_24h_Type_II_4.98in	11:15	0.478
SCS_24h_Type_II_4.98in	11:30	1.474
SCS_24h_Type_II_4.98in	11:45	6.096
SCS_24h_Type_II_4.98in	12:00	0.717
SCS_24h_Type_II_4.98in	12:15	0.717
SCS_24h_Type_II_4.98in	12:30	0.369
SCS_24h_Type_II_4.98in	12:45	0.369
SCS_24h_Type_II_4.98in	13:00	0.269
SCS_24h_Type_II_4.98in	13:15	0.269
SCS_24h_Type_II_4.98in	13:30	0.209
SCS_24h_Type_II_4.98in	13:45	0.209

SCS_24h_Type_II_4.98in	14:00	0.149
SCS_24h_Type_II_4.98in	14:15	0.149
SCS_24h_Type_II_4.98in	14:30	0.149
SCS_24h_Type_II_4.98in	14:45	0.149
SCS_24h_Type_II_4.98in	15:00	0.149
SCS_24h_Type_II_4.98in	15:15	0.149
SCS_24h_Type_II_4.98in	15:30	0.149
SCS_24h_Type_II_4.98in	15:45	0.149
SCS_24h_Type_II_4.98in	16:00	0.0896
SCS_24h_Type_II_4.98in	16:15	0.0896
SCS_24h_Type_II_4.98in	16:30	0.0896
SCS_24h_Type_II_4.98in	16:45	0.0896
SCS_24h_Type_II_4.98in	17:00	0.0896
SCS_24h_Type_II_4.98in	17:15	0.0896
SCS_24h_Type_II_4.98in	17:30	0.0896
SCS_24h_Type_II_4.98in	17:45	0.0896
SCS_24h_Type_II_4.98in	18:00	0.0896
SCS_24h_Type_II_4.98in	18:15	0.0896
SCS_24h_Type_II_4.98in	18:30	0.0896
SCS_24h_Type_II_4.98in	18:45	0.0896
SCS_24h_Type_II_4.98in	19:00	0.0896
SCS_24h_Type_II_4.98in	19:15	0.0896
SCS_24h_Type_II_4.98in	19:30	0.0896
SCS_24h_Type_II_4.98in	19:45	0.0896
SCS_24h_Type_II_4.98in	20:00	0.0598
SCS_24h_Type_II_4.98in	20:15	0.0598
SCS_24h_Type_II_4.98in	20:30	0.0598
SCS_24h_Type_II_4.98in	20:45	0.0598
SCS_24h_Type_II_4.98in	21:00	0.0598
SCS_24h_Type_II_4.98in	21:15	0.0598
SCS_24h_Type_II_4.98in	21:30	0.0598
SCS_24h_Type_II_4.98in	21:45	0.0598
SCS_24h_Type_II_4.98in	22:00	0.0598
SCS_24h_Type_II_4.98in	22:15	0.0598
SCS_24h_Type_II_4.98in	22:30	0.0598
SCS_24h_Type_II_4.98in	22:45	0.0598
SCS_24h_Type_II_4.98in	23:00	0.0598
SCS_24h_Type_II_4.98in	23:15	0.0598
SCS_24h_Type_II_4.98in	23:30	0.0598
SCS_24h_Type_II_4.98in	23:45	0.0598
SCS_24h_Type_II_4.98in	24:00	0

;SCS_24h_Type_II_6.05in design storm, total rainfall = 6.05 in, rain units = in/hr.

SCS_24h_Type_II_6.05in	7/1/2015	0:00	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	0:15	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	0:30	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	0:45	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	1:00	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	1:15	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	1:30	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	1:45	0.0666
SCS_24h_Type_II_6.05in	7/1/2015	2:00	0.0786
SCS_24h_Type_II_6.05in	7/1/2015	2:15	0.0786
SCS_24h_Type_II_6.05in	7/1/2015	2:30	0.0786
SCS_24h_Type_II_6.05in	7/1/2015	2:45	0.0786
SCS_24h_Type_II_6.05in	7/1/2015	3:00	0.0786
SCS_24h_Type_II_6.05in	7/1/2015	3:15	0.0786
SCS_24h_Type_II_6.05in	7/1/2015	3:30	0.0786
SCS_24h_Type_II_6.05in	7/1/2015	3:45	0.0786
SCS_24h_Type_II_6.05in		4:00	0.0968
SCS_24h_Type_II_6.05in		4:15	0.0968
SCS_24h_Type_II_6.05in		4:30	0.0968
SCS_24h_Type_II_6.05in		4:45	0.0968

SCS_24h_Type_II_6.05in	5:00	0.0968
SCS_24h_Type_II_6.05in	5:15	0.0968
SCS_24h_Type_II_6.05in	5:30	0.0968
SCS_24h_Type_II_6.05in	5:45	0.0968
SCS_24h_Type_II_6.05in	6:00	0.109
SCS_24h_Type_II_6.05in	6:15	0.109
SCS_24h_Type_II_6.05in	6:30	0.109
SCS_24h_Type_II_6.05in	6:45	0.109
SCS_24h_Type_II_6.05in	7:00	0.133
SCS_24h_Type_II_6.05in	7:15	0.133
SCS_24h_Type_II_6.05in	7:30	0.133
SCS_24h_Type_II_6.05in	7:45	0.133
SCS_24h_Type_II_6.05in	8:00	0.157
SCS_24h_Type_II_6.05in	8:15	0.157
SCS_24h_Type_II_6.05in	8:30	0.169
SCS_24h_Type_II_6.05in	8:45	0.169
SCS_24h_Type_II_6.05in	9:00	0.194
SCS_24h_Type_II_6.05in	9:15	0.194
SCS_24h_Type_II_6.05in	9:30	0.218
SCS_24h_Type_II_6.05in	9:45	0.218
SCS_24h_Type_II_6.05in	10:00	0.278
SCS_24h_Type_II_6.05in	10:15	0.278
SCS_24h_Type_II_6.05in	10:30	0.375
SCS_24h_Type_II_6.05in	10:45	0.375
SCS_24h_Type_II_6.05in	11:00	0.581
SCS_24h_Type_II_6.05in	11:15	0.581
SCS_24h_Type_II_6.05in	11:30	1.791
SCS_24h_Type_II_6.05in	11:45	7.405
SCS_24h_Type_II_6.05in	12:00	0.871
SCS_24h_Type_II_6.05in	12:15	0.871
SCS_24h_Type_II_6.05in	12:30	0.448
SCS_24h_Type_II_6.05in	12:45	0.448
SCS_24h_Type_II_6.05in	13:00	0.327
SCS_24h_Type_II_6.05in	13:15	0.327
SCS_24h_Type_II_6.05in	13:30	0.254
SCS_24h_Type_II_6.05in	13:45	0.254
SCS_24h_Type_II_6.05in	14:00	0.182
SCS_24h_Type_II_6.05in	14:15	0.182
SCS_24h_Type_II_6.05in	14:30	0.182
SCS_24h_Type_II_6.05in	14:45	0.182
SCS_24h_Type_II_6.05in	15:00	0.182
SCS_24h_Type_II_6.05in	15:15	0.182
SCS_24h_Type_II_6.05in	15:30	0.182
SCS_24h_Type_II_6.05in	15:45	0.182
SCS_24h_Type_II_6.05in	16:00	0.109
SCS_24h_Type_II_6.05in	16:15	0.109
SCS_24h_Type_II_6.05in	16:30	0.109
SCS_24h_Type_II_6.05in	16:45	0.109
SCS_24h_Type_II_6.05in	17:00	0.109
SCS_24h_Type_II_6.05in	17:15	0.109
SCS_24h_Type_II_6.05in	17:30	0.109
SCS_24h_Type_II_6.05in	17:45	0.109
SCS_24h_Type_II_6.05in	18:00	0.109
SCS_24h_Type_II_6.05in	18:15	0.109
SCS_24h_Type_II_6.05in	18:30	0.109
SCS_24h_Type_II_6.05in	18:45	0.109
SCS_24h_Type_II_6.05in	19:00	0.109
SCS_24h_Type_II_6.05in	19:15	0.109
SCS_24h_Type_II_6.05in	19:30	0.109
SCS_24h_Type_II_6.05in	19:45	0.109
SCS_24h_Type_II_6.05in	20:00	0.0726
SCS_24h_Type_II_6.05in	20:15	0.0726
SCS_24h_Type_II_6.05in	20:30	0.0726

SCS_24h_Type_II_6.05in	20:45	0.0726
SCS_24h_Type_II_6.05in	21:00	0.0726
SCS_24h_Type_II_6.05in	21:15	0.0726
SCS_24h_Type_II_6.05in	21:30	0.0726
SCS_24h_Type_II_6.05in	21:45	0.0726
SCS_24h_Type_II_6.05in	22:00	0.0726
SCS_24h_Type_II_6.05in	22:15	0.0726
SCS_24h_Type_II_6.05in	22:30	0.0726
SCS_24h_Type_II_6.05in	22:45	0.0726
SCS_24h_Type_II_6.05in	23:00	0.0726
SCS_24h_Type_II_6.05in	23:15	0.0726
SCS_24h_Type_II_6.05in	23:30	0.0726
SCS_24h_Type_II_6.05in	23:45	0.0726
SCS_24h_Type_II_6.05in	24:00	0

;SCS_24h_Type_II_7.83in design storm, total rainfall = 7.83 in, rain units = in/hr.

SCS_24h_Type_II_7.83in	7/1/2015	0:00	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	0:15	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	0:30	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	0:45	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	1:00	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	1:15	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	1:30	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	1:45	0.0861
SCS_24h_Type_II_7.83in	7/1/2015	2:00	0.102
SCS_24h_Type_II_7.83in	7/1/2015	2:15	0.102
SCS_24h_Type_II_7.83in	7/1/2015	2:30	0.102
SCS_24h_Type_II_7.83in	7/1/2015	2:45	0.102
SCS_24h_Type_II_7.83in	7/1/2015	3:00	0.102
SCS_24h_Type_II_7.83in	7/1/2015	3:15	0.102
SCS_24h_Type_II_7.83in	7/1/2015	3:30	0.102
SCS_24h_Type_II_7.83in	7/1/2015	3:45	0.102
SCS_24h_Type_II_7.83in	7/1/2015	4:00	0.125
SCS_24h_Type_II_7.83in	7/1/2015	4:15	0.125
SCS_24h_Type_II_7.83in	7/1/2015	4:30	0.125
SCS_24h_Type_II_7.83in	7/1/2015	4:45	0.125
SCS_24h_Type_II_7.83in	7/1/2015	5:00	0.125
SCS_24h_Type_II_7.83in	7/1/2015	5:15	0.125
SCS_24h_Type_II_7.83in	7/1/2015	5:30	0.125
SCS_24h_Type_II_7.83in	7/1/2015	5:45	0.125
SCS_24h_Type_II_7.83in	7/1/2015	6:00	0.141
SCS_24h_Type_II_7.83in	7/1/2015	6:15	0.141
SCS_24h_Type_II_7.83in	7/1/2015	6:30	0.141
SCS_24h_Type_II_7.83in	7/1/2015	6:45	0.141
SCS_24h_Type_II_7.83in	7/1/2015	7:00	0.172
SCS_24h_Type_II_7.83in	7/1/2015	7:15	0.172
SCS_24h_Type_II_7.83in	7/1/2015	7:30	0.172
SCS_24h_Type_II_7.83in	7/1/2015	7:45	0.172
SCS_24h_Type_II_7.83in	7/1/2015	8:00	0.204
SCS_24h_Type_II_7.83in	7/1/2015	8:15	0.204
SCS_24h_Type_II_7.83in	7/1/2015	8:30	0.219
SCS_24h_Type_II_7.83in	7/1/2015	8:45	0.219
SCS_24h_Type_II_7.83in	7/1/2015	9:00	0.251
SCS_24h_Type_II_7.83in	7/1/2015	9:15	0.251
SCS_24h_Type_II_7.83in	7/1/2015	9:30	0.282
SCS_24h_Type_II_7.83in	7/1/2015	9:45	0.282
SCS_24h_Type_II_7.83in	7/1/2015	10:00	0.36
SCS_24h_Type_II_7.83in	7/1/2015	10:15	0.36
SCS_24h_Type_II_7.83in	7/1/2015	10:30	0.485
SCS_24h_Type_II_7.83in	7/1/2015	10:45	0.485
SCS_24h_Type_II_7.83in	7/1/2015	11:00	0.752
SCS_24h_Type_II_7.83in	7/1/2015	11:15	0.752
SCS_24h_Type_II_7.83in	7/1/2015	11:30	2.318

SCS_24h_Type_II_7.83in	7/1/2015	11:45	9.584
SCS_24h_Type_II_7.83in	7/1/2015	12:00	1.128
SCS_24h_Type_II_7.83in	7/1/2015	12:15	1.128
SCS_24h_Type_II_7.83in	7/1/2015	12:30	0.579
SCS_24h_Type_II_7.83in	7/1/2015	12:45	0.579
SCS_24h_Type_II_7.83in	7/1/2015	13:00	0.423
SCS_24h_Type_II_7.83in	7/1/2015	13:15	0.423
SCS_24h_Type_II_7.83in	7/1/2015	13:30	0.329
SCS_24h_Type_II_7.83in	7/1/2015	13:45	0.329
SCS_24h_Type_II_7.83in	7/1/2015	14:00	0.235
SCS_24h_Type_II_7.83in	7/1/2015	14:15	0.235
SCS_24h_Type_II_7.83in	7/1/2015	14:30	0.235
SCS_24h_Type_II_7.83in	7/1/2015	14:45	0.235
SCS_24h_Type_II_7.83in	7/1/2015	15:00	0.235
SCS_24h_Type_II_7.83in	7/1/2015	15:15	0.235
SCS_24h_Type_II_7.83in	7/1/2015	15:30	0.235
SCS_24h_Type_II_7.83in	7/1/2015	15:45	0.235
SCS_24h_Type_II_7.83in	7/1/2015	16:00	0.141
SCS_24h_Type_II_7.83in	7/1/2015	16:15	0.141
SCS_24h_Type_II_7.83in	7/1/2015	16:30	0.141
SCS_24h_Type_II_7.83in	7/1/2015	16:45	0.141
SCS_24h_Type_II_7.83in	7/1/2015	17:00	0.141
SCS_24h_Type_II_7.83in	7/1/2015	17:15	0.141
SCS_24h_Type_II_7.83in	7/1/2015	17:30	0.141
SCS_24h_Type_II_7.83in	7/1/2015	17:45	0.141
SCS_24h_Type_II_7.83in	7/1/2015	18:00	0.141
SCS_24h_Type_II_7.83in	7/1/2015	18:15	0.141
SCS_24h_Type_II_7.83in	7/1/2015	18:30	0.141
SCS_24h_Type_II_7.83in	7/1/2015	18:45	0.141
SCS_24h_Type_II_7.83in	7/1/2015	19:00	0.141
SCS_24h_Type_II_7.83in	7/1/2015	19:15	0.141
SCS_24h_Type_II_7.83in	7/1/2015	19:30	0.141
SCS_24h_Type_II_7.83in	7/1/2015	19:45	0.141
SCS_24h_Type_II_7.83in	7/1/2015	20:00	0.094
SCS_24h_Type_II_7.83in	7/1/2015	20:15	0.094
SCS_24h_Type_II_7.83in	7/1/2015	20:30	0.094
SCS_24h_Type_II_7.83in	7/1/2015	20:45	0.094
SCS_24h_Type_II_7.83in	7/1/2015	21:00	0.094
SCS_24h_Type_II_7.83in	7/1/2015	21:15	0.094
SCS_24h_Type_II_7.83in	7/1/2015	21:30	0.094
SCS_24h_Type_II_7.83in	7/1/2015	21:45	0.094
SCS_24h_Type_II_7.83in	7/1/2015	22:00	0.094
SCS_24h_Type_II_7.83in	7/1/2015	22:15	0.094
SCS_24h_Type_II_7.83in	7/1/2015	22:30	0.094
SCS_24h_Type_II_7.83in	7/1/2015	22:45	0.094
SCS_24h_Type_II_7.83in	7/1/2015	23:00	0.094
SCS_24h_Type_II_7.83in	7/1/2015	23:15	0.094
SCS_24h_Type_II_7.83in	7/1/2015	23:30	0.094
SCS_24h_Type_II_7.83in	7/1/2015	23:45	0.094
SCS_24h_Type_II_7.83in	7/1/2015	24:00	0

;Rainfall (in/day)

US1KSSG0002_2010	11/08/2010	00:00:00	0
US1KSSG0002_2010	11/09/2010	00:00:00	0
US1KSSG0002_2010	11/10/2010	00:00:00	0
US1KSSG0002_2010	11/11/2010	00:00:00	0
US1KSSG0002_2010	11/12/2010	00:00:00	0.5708665
US1KSSG0002_2010	11/13/2010	00:00:00	0.6181106
US1KSSG0002_2010	11/14/2010	00:00:00	0
US1KSSG0002_2010	11/15/2010	00:00:00	0.01181103
US1KSSG0002_2010	11/16/2010	00:00:00	0
US1KSSG0002_2010	11/17/2010	00:00:00	0
US1KSSG0002_2010	11/18/2010	00:00:00	0.1692914

US1KSSG0002_2010	11/19/2010	00:00:00	0
US1KSSG0002_2010	11/20/2010	00:00:00	0
US1KSSG0002_2010	11/21/2010	00:00:00	0
US1KSSG0002_2010	11/22/2010	00:00:00	0
US1KSSG0002_2010	11/23/2010	00:00:00	0
US1KSSG0002_2010	11/24/2010	00:00:00	0
US1KSSG0002_2010	11/25/2010	00:00:00	0
US1KSSG0002_2010	11/26/2010	00:00:00	0
US1KSSG0002_2010	11/27/2010	00:00:00	0
US1KSSG0002_2010	11/28/2010	00:00:00	0
US1KSSG0002_2010	11/29/2010	00:00:00	0
US1KSSG0002_2010	11/30/2010	00:00:00	0
US1KSSG0002_2010	12/01/2010	00:00:00	0
US1KSSG0002_2010	12/02/2010	00:00:00	0
US1KSSG0002_2010	12/03/2010	00:00:00	0
US1KSSG0002_2010	12/04/2010	00:00:00	0
US1KSSG0002_2010	12/05/2010	00:00:00	0
US1KSSG0002_2010	12/06/2010	00:00:00	0
US1KSSG0002_2010	12/07/2010	00:00:00	0
US1KSSG0002_2010	12/08/2010	00:00:00	0
US1KSSG0002_2010	12/09/2010	00:00:00	0
US1KSSG0002_2010	12/10/2010	00:00:00	0
US1KSSG0002_2010	12/11/2010	00:00:00	0
US1KSSG0002_2010	12/12/2010	00:00:00	0
US1KSSG0002_2010	12/13/2010	00:00:00	0
US1KSSG0002_2010	12/14/2010	00:00:00	0
US1KSSG0002_2010	12/15/2010	00:00:00	0
US1KSSG0002_2010	12/16/2010	00:00:00	0
US1KSSG0002_2010	12/17/2010	00:00:00	0
US1KSSG0002_2010	12/18/2010	00:00:00	0
US1KSSG0002_2010	12/19/2010	00:00:00	0
US1KSSG0002_2010	12/20/2010	00:00:00	0
US1KSSG0002_2010	12/21/2010	00:00:00	0
US1KSSG0002_2010	12/22/2010	00:00:00	0
US1KSSG0002_2010	12/23/2010	00:00:00	0
US1KSSG0002_2010	12/24/2010	00:00:00	0.05118113
US1KSSG0002_2010	12/25/2010	00:00:00	0
US1KSSG0002_2010	12/26/2010	00:00:00	0
US1KSSG0002_2010	12/27/2010	00:00:00	0
US1KSSG0002_2010	12/28/2010	00:00:00	0
US1KSSG0002_2010	12/29/2010	00:00:00	0
US1KSSG0002_2010	12/30/2010	00:00:00	0
US1KSSG0002_2010	12/31/2010	00:00:00	0.01968505
US1KSSG0002_2010	01/01/2011	00:00:00	0
US1KSSG0002_2010	01/02/2011	00:00:00	0
US1KSSG0002_2010	01/03/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0002_MayJuneJuly2010	05/01/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/02/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/03/2010	00:00:00	0.1102363
US1KSSG0002_MayJuneJuly2010	05/04/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/05/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/06/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/07/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/08/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/09/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/10/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/11/2010	00:00:00	1.090552
US1KSSG0002_MayJuneJuly2010	05/12/2010	00:00:00	0.03149608
US1KSSG0002_MayJuneJuly2010	05/13/2010	00:00:00	2.29134
US1KSSG0002_MayJuneJuly2010	05/14/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/15/2010	00:00:00	0.3582679

US1KSSG0002_MayJuneJuly2010	05/16/2010	00:00:00	0.01968505
US1KSSG0002_MayJuneJuly2010	05/17/2010	00:00:00	0.2007875
US1KSSG0002_MayJuneJuly2010	05/18/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/19/2010	00:00:00	0.6181106
US1KSSG0002_MayJuneJuly2010	05/20/2010	00:00:00	0.2913387
US1KSSG0002_MayJuneJuly2010	05/21/2010	00:00:00	0.01181103
US1KSSG0002_MayJuneJuly2010	05/22/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/23/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/24/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/25/2010	00:00:00	1.358268
US1KSSG0002_MayJuneJuly2010	05/26/2010	00:00:00	0.1496064
US1KSSG0002_MayJuneJuly2010	05/27/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/28/2010	00:00:00	0.1181103
US1KSSG0002_MayJuneJuly2010	05/29/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/30/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	05/31/2010	00:00:00	1.090552
US1KSSG0002_MayJuneJuly2010	06/01/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/02/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/03/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/04/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/05/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/06/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/07/2010	00:00:00	0.5511814
US1KSSG0002_MayJuneJuly2010	06/08/2010	00:00:00	0.1299213
US1KSSG0002_MayJuneJuly2010	06/09/2010	00:00:00	1.051182
US1KSSG0002_MayJuneJuly2010	06/10/2010	00:00:00	0.03149608
US1KSSG0002_MayJuneJuly2010	06/11/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/12/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/13/2010	00:00:00	1.641733
US1KSSG0002_MayJuneJuly2010	06/14/2010	00:00:00	2.618112
US1KSSG0002_MayJuneJuly2010	06/15/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/16/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/17/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/18/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/19/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/20/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/21/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/22/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/23/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/24/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/25/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/26/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/27/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/28/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/29/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	06/30/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/01/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/02/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/03/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/04/2010	00:00:00	0.5787405
US1KSSG0002_MayJuneJuly2010	07/05/2010	00:00:00	0.8818902
US1KSSG0002_MayJuneJuly2010	07/06/2010	00:00:00	0.2401576
US1KSSG0002_MayJuneJuly2010	07/07/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/08/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/09/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/10/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/11/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/12/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/13/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/14/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/15/2010	00:00:00	0.03149608
US1KSSG0002_MayJuneJuly2010	07/16/2010	00:00:00	0.05905515
US1KSSG0002_MayJuneJuly2010	07/17/2010	00:00:00	0.409449

US1KSSG0002_MayJuneJuly2010	07/18/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/19/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/20/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/21/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/22/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/23/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/24/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/25/2010	00:00:00	0.05905515
US1KSSG0002_MayJuneJuly2010	07/26/2010	00:00:00	1.598426
US1KSSG0002_MayJuneJuly2010	07/27/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/28/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/29/2010	00:00:00	0
US1KSSG0002_MayJuneJuly2010	07/30/2010	00:00:00	0.6417326
US1KSSG0002_MayJuneJuly2010	07/31/2010	00:00:00	0

;Rainfall (in/day)

US1KSSG0002_septoctnov2013	09/01/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/02/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/03/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/04/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/05/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/06/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/07/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/08/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/09/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/10/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/11/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/12/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/13/2013	00:00:00	0.03149608
US1KSSG0002_septoctnov2013	09/14/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/15/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/16/2013	00:00:00	0.0787402
US1KSSG0002_septoctnov2013	09/17/2013	00:00:00	0.2913387
US1KSSG0002_septoctnov2013	09/18/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/19/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/20/2013	00:00:00	1.039371
US1KSSG0002_septoctnov2013	09/21/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/22/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/23/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/24/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/25/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/26/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/27/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/28/2013	00:00:00	0.6181106
US1KSSG0002_septoctnov2013	09/29/2013	00:00:00	0
US1KSSG0002_septoctnov2013	09/30/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/01/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/02/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/03/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/04/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/05/2013	00:00:00	0.2992128
US1KSSG0002_septoctnov2013	10/06/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/07/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/08/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/09/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/10/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/11/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/12/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/13/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/14/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/15/2013	00:00:00	0.5708665
US1KSSG0002_septoctnov2013	10/16/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/17/2013	00:00:00	0

US1KSSG0002_septoctnov2013	10/18/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/19/2013	00:00:00	0.4291341
US1KSSG0002_septoctnov2013	10/20/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/21/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/22/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/23/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/24/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/25/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/26/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/27/2013	00:00:00	0.01968505
US1KSSG0002_septoctnov2013	10/28/2013	00:00:00	0
US1KSSG0002_septoctnov2013	10/29/2013	00:00:00	1.48819
US1KSSG0002_septoctnov2013	10/30/2013	00:00:00	0.05905515
US1KSSG0002_septoctnov2013	10/31/2013	00:00:00	1.87008
US1KSSG0002_septoctnov2013	11/01/2013	00:00:00	0.01968505
US1KSSG0002_septoctnov2013	11/02/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/03/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/04/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/05/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/06/2013	00:00:00	0.5118113
US1KSSG0002_septoctnov2013	11/07/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/08/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/09/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/10/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/11/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/12/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/13/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/14/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/15/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/16/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/17/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/18/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/19/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/20/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/21/2013	00:00:00	0.2204726
US1KSSG0002_septoctnov2013	11/22/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/23/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/24/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/25/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/26/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/27/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/28/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/29/2013	00:00:00	0
US1KSSG0002_septoctnov2013	11/30/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0002_yearlong2010	01/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/03/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	01/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/07/2010	00:00:00	0.01181103
US1KSSG0002_yearlong2010	01/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/11/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/16/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/17/2010	00:00:00	0

US1KSSG0002_yearlong2010	01/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/21/2010	00:00:00	0.1299213
US1KSSG0002_yearlong2010	01/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/23/2010	00:00:00	0.05905515
US1KSSG0002_yearlong2010	01/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	01/29/2010	00:00:00	0.3307088
US1KSSG0002_yearlong2010	01/30/2010	00:00:00	0.05905515
US1KSSG0002_yearlong2010	01/31/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/01/2010	00:00:00	0.01181103
US1KSSG0002_yearlong2010	02/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/04/2010	00:00:00	0.0393701
US1KSSG0002_yearlong2010	02/05/2010	00:00:00	0.1181103
US1KSSG0002_yearlong2010	02/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/08/2010	00:00:00	0.6299216
US1KSSG0002_yearlong2010	02/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/11/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/16/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/17/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/19/2010	00:00:00	0.07086618
US1KSSG0002_yearlong2010	02/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/21/2010	00:00:00	0.5590554
US1KSSG0002_yearlong2010	02/22/2010	00:00:00	0.01968505
US1KSSG0002_yearlong2010	02/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	02/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/09/2010	00:00:00	1.039371
US1KSSG0002_yearlong2010	03/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/11/2010	00:00:00	0.1614174
US1KSSG0002_yearlong2010	03/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/16/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/17/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/20/2010	00:00:00	0.2795277
US1KSSG0002_yearlong2010	03/21/2010	00:00:00	0

US1KSSG0002_yearlong2010	03/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/28/2010	00:00:00	0.01968505
US1KSSG0002_yearlong2010	03/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	03/31/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/02/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	04/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/07/2010	00:00:00	0.09055123
US1KSSG0002_yearlong2010	04/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/11/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/16/2010	00:00:00	0.0393701
US1KSSG0002_yearlong2010	04/17/2010	00:00:00	0.1181103
US1KSSG0002_yearlong2010	04/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/22/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	04/23/2010	00:00:00	0.7204728
US1KSSG0002_yearlong2010	04/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/25/2010	00:00:00	0.05905515
US1KSSG0002_yearlong2010	04/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	04/30/2010	00:00:00	0.4291341
US1KSSG0002_yearlong2010	05/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/03/2010	00:00:00	0.1102363
US1KSSG0002_yearlong2010	05/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/11/2010	00:00:00	1.090552
US1KSSG0002_yearlong2010	05/12/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	05/13/2010	00:00:00	2.29134
US1KSSG0002_yearlong2010	05/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/15/2010	00:00:00	0.3582679
US1KSSG0002_yearlong2010	05/16/2010	00:00:00	0.01968505
US1KSSG0002_yearlong2010	05/17/2010	00:00:00	0.2007875
US1KSSG0002_yearlong2010	05/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/19/2010	00:00:00	0.6181106
US1KSSG0002_yearlong2010	05/20/2010	00:00:00	0.2913387
US1KSSG0002_yearlong2010	05/21/2010	00:00:00	0.01181103
US1KSSG0002_yearlong2010	05/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/23/2010	00:00:00	0

US1KSSG0002_yearlong2010	05/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/25/2010	00:00:00	1.358268
US1KSSG0002_yearlong2010	05/26/2010	00:00:00	0.1496064
US1KSSG0002_yearlong2010	05/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/28/2010	00:00:00	0.1181103
US1KSSG0002_yearlong2010	05/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	05/31/2010	00:00:00	1.090552
US1KSSG0002_yearlong2010	06/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/07/2010	00:00:00	0.5511814
US1KSSG0002_yearlong2010	06/08/2010	00:00:00	0.1299213
US1KSSG0002_yearlong2010	06/09/2010	00:00:00	1.051182
US1KSSG0002_yearlong2010	06/10/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	06/11/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/13/2010	00:00:00	1.641733
US1KSSG0002_yearlong2010	06/14/2010	00:00:00	2.618112
US1KSSG0002_yearlong2010	06/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/16/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/17/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	06/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/04/2010	00:00:00	0.5787405
US1KSSG0002_yearlong2010	07/05/2010	00:00:00	0.8818902
US1KSSG0002_yearlong2010	07/06/2010	00:00:00	0.2401576
US1KSSG0002_yearlong2010	07/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/11/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/15/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	07/16/2010	00:00:00	0.05905515
US1KSSG0002_yearlong2010	07/17/2010	00:00:00	0.409449
US1KSSG0002_yearlong2010	07/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/25/2010	00:00:00	0.05905515

US1KSSG0002_yearlong2010	07/26/2010	00:00:00	1.598426
US1KSSG0002_yearlong2010	07/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	07/30/2010	00:00:00	0.6417326
US1KSSG0002_yearlong2010	07/31/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/11/2010	00:00:00	0.2007875
US1KSSG0002_yearlong2010	08/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/15/2010	00:00:00	0.2401576
US1KSSG0002_yearlong2010	08/16/2010	00:00:00	0.2913387
US1KSSG0002_yearlong2010	08/17/2010	00:00:00	1.000001
US1KSSG0002_yearlong2010	08/18/2010	00:00:00	0.05118113
US1KSSG0002_yearlong2010	08/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/24/2010	00:00:00	1.37008
US1KSSG0002_yearlong2010	08/25/2010	00:00:00	0.05118113
US1KSSG0002_yearlong2010	08/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	08/31/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/09/2010	00:00:00	0.2086615
US1KSSG0002_yearlong2010	09/10/2010	00:00:00	0.01181103
US1KSSG0002_yearlong2010	09/11/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	09/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/14/2010	00:00:00	0.01181103
US1KSSG0002_yearlong2010	09/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/16/2010	00:00:00	1.539371
US1KSSG0002_yearlong2010	09/17/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/24/2010	00:00:00	1.220473
US1KSSG0002_yearlong2010	09/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/26/2010	00:00:00	0.0787402

US1KSSG0002_yearlong2010	09/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	09/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/11/2010	00:00:00	0.1889765
US1KSSG0002_yearlong2010	10/12/2010	00:00:00	0.01181103
US1KSSG0002_yearlong2010	10/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/16/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/17/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/19/2010	00:00:00	0.05118113
US1KSSG0002_yearlong2010	10/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/23/2010	00:00:00	0.2913387
US1KSSG0002_yearlong2010	10/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/26/2010	00:00:00	0.1181103
US1KSSG0002_yearlong2010	10/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	10/31/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/02/2010	00:00:00	0.03149608
US1KSSG0002_yearlong2010	11/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/11/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/12/2010	00:00:00	0.5708665
US1KSSG0002_yearlong2010	11/13/2010	00:00:00	0.6181106
US1KSSG0002_yearlong2010	11/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/15/2010	00:00:00	0.01181103
US1KSSG0002_yearlong2010	11/16/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/17/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/18/2010	00:00:00	0.1692914
US1KSSG0002_yearlong2010	11/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/24/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/28/2010	00:00:00	0

US1KSSG0002_yearlong2010	11/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	11/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/01/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/02/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/03/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/04/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/05/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/06/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/07/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/08/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/09/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/10/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/11/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/12/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/13/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/14/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/15/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/16/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/17/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/18/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/19/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/20/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/21/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/22/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/23/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/24/2010	00:00:00	0.05118113
US1KSSG0002_yearlong2010	12/25/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/26/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/27/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/28/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/29/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/30/2010	00:00:00	0
US1KSSG0002_yearlong2010	12/31/2010	00:00:00	0.01968505

;Rainfall (in/day)

US1KSSG0002_yearlong2011	01/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/03/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/04/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/08/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/09/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/10/2011	00:00:00	0.2716537
US1KSSG0002_yearlong2011	01/11/2011	00:00:00	0.0393701
US1KSSG0002_yearlong2011	01/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/13/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/20/2011	00:00:00	0.01181103
US1KSSG0002_yearlong2011	01/21/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/25/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/26/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/27/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/28/2011	00:00:00	0

US1KSSG0002_yearlong2011	01/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	01/31/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/01/2011	00:00:00	0.05905515
US1KSSG0002_yearlong2011	02/02/2011	00:00:00	0.1417324
US1KSSG0002_yearlong2011	02/03/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/04/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/08/2011	00:00:00	0.03149608
US1KSSG0002_yearlong2011	02/09/2011	00:00:00	0.370079
US1KSSG0002_yearlong2011	02/10/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/13/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/20/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/21/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/24/2011	00:00:00	0.07086618
US1KSSG0002_yearlong2011	02/25/2011	00:00:00	0.07086618
US1KSSG0002_yearlong2011	02/26/2011	00:00:00	0
US1KSSG0002_yearlong2011	02/27/2011	00:00:00	0.01181103
US1KSSG0002_yearlong2011	02/28/2011	00:00:00	0.8110241
US1KSSG0002_yearlong2011	03/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/03/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/04/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/08/2011	00:00:00	0.5590554
US1KSSG0002_yearlong2011	03/09/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	03/10/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/13/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/14/2011	00:00:00	0.1181103
US1KSSG0002_yearlong2011	03/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/20/2011	00:00:00	0.05905515
US1KSSG0002_yearlong2011	03/21/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/25/2011	00:00:00	0.05118113
US1KSSG0002_yearlong2011	03/26/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/27/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	03/28/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/29/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	03/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	03/31/2011	00:00:00	0.03149608
US1KSSG0002_yearlong2011	04/01/2011	00:00:00	0.01181103

US1KSSG0002_yearlong2011	04/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/03/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/04/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/08/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/09/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	04/10/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/13/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/15/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	04/16/2011	00:00:00	0.1614174
US1KSSG0002_yearlong2011	04/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/20/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/21/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/22/2011	00:00:00	0.03149608
US1KSSG0002_yearlong2011	04/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/24/2011	00:00:00	0.01181103
US1KSSG0002_yearlong2011	04/25/2011	00:00:00	0.38189
US1KSSG0002_yearlong2011	04/26/2011	00:00:00	0.1417324
US1KSSG0002_yearlong2011	04/27/2011	00:00:00	0.05118113
US1KSSG0002_yearlong2011	04/28/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	04/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/03/2011	00:00:00	0.0393701
US1KSSG0002_yearlong2011	05/04/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/08/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/09/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/10/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/12/2011	00:00:00	0.2401576
US1KSSG0002_yearlong2011	05/13/2011	00:00:00	0.1889765
US1KSSG0002_yearlong2011	05/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/18/2011	00:00:00	0.1692914
US1KSSG0002_yearlong2011	05/19/2011	00:00:00	0.3582679
US1KSSG0002_yearlong2011	05/20/2011	00:00:00	0.03149608
US1KSSG0002_yearlong2011	05/21/2011	00:00:00	0.6496066
US1KSSG0002_yearlong2011	05/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/25/2011	00:00:00	0.7204728
US1KSSG0002_yearlong2011	05/26/2011	00:00:00	0.4606302
US1KSSG0002_yearlong2011	05/27/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/28/2011	00:00:00	0.0393701
US1KSSG0002_yearlong2011	05/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	05/31/2011	00:00:00	0.5118113
US1KSSG0002_yearlong2011	06/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/03/2011	00:00:00	0

US1KSSG0002_yearlong2011	06/04/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/08/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/09/2011	00:00:00	0.05905515
US1KSSG0002_yearlong2011	06/10/2011	00:00:00	2.779529
US1KSSG0002_yearlong2011	06/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/12/2011	00:00:00	0.6181106
US1KSSG0002_yearlong2011	06/13/2011	00:00:00	0.2795277
US1KSSG0002_yearlong2011	06/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/17/2011	00:00:00	0.7007878
US1KSSG0002_yearlong2011	06/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/20/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/21/2011	00:00:00	0.07086618
US1KSSG0002_yearlong2011	06/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/25/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/26/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/27/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/28/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	06/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/03/2011	00:00:00	0.1417324
US1KSSG0002_yearlong2011	07/04/2011	00:00:00	0.6417326
US1KSSG0002_yearlong2011	07/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/07/2011	00:00:00	0.01181103
US1KSSG0002_yearlong2011	07/08/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/09/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/10/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/13/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/20/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/21/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/25/2011	00:00:00	0.07086618
US1KSSG0002_yearlong2011	07/26/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/27/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/28/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	07/30/2011	00:00:00	0.0393701
US1KSSG0002_yearlong2011	07/31/2011	00:00:00	0
US1KSSG0002_yearlong2011	08/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	08/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	08/03/2011	00:00:00	0
US1KSSG0002_yearlong2011	08/04/2011	00:00:00	1.181103
US1KSSG0002_yearlong2011	08/05/2011	00:00:00	0

US1KSSG0002_yearlong2011	10/08/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/09/2011	00:00:00	0.8818902
US1KSSG0002_yearlong2011	10/10/2011	00:00:00	0.8700792
US1KSSG0002_yearlong2011	10/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/13/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/18/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	10/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/20/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/21/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/25/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/26/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/27/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	10/28/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	10/31/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/03/2011	00:00:00	0.2283466
US1KSSG0002_yearlong2011	11/04/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/06/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/08/2011	00:00:00	2.661419
US1KSSG0002_yearlong2011	11/09/2011	00:00:00	0.3582679
US1KSSG0002_yearlong2011	11/10/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/13/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/14/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/15/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/19/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/20/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/21/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/22/2011	00:00:00	0.2401576
US1KSSG0002_yearlong2011	11/23/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/25/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/26/2011	00:00:00	0.7086618
US1KSSG0002_yearlong2011	11/27/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/28/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	11/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/01/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/02/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/03/2011	00:00:00	0.4212601
US1KSSG0002_yearlong2011	12/04/2011	00:00:00	0.3503939
US1KSSG0002_yearlong2011	12/05/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/06/2011	00:00:00	0.01181103
US1KSSG0002_yearlong2011	12/07/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/08/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/09/2011	00:00:00	0

US1KSSG0002_yearlong2011	12/10/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/11/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/12/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/13/2011	00:00:00	0.01181103
US1KSSG0002_yearlong2011	12/14/2011	00:00:00	0.409449
US1KSSG0002_yearlong2011	12/15/2011	00:00:00	0.1889765
US1KSSG0002_yearlong2011	12/16/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/17/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/18/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/19/2011	00:00:00	0.0787402
US1KSSG0002_yearlong2011	12/20/2011	00:00:00	1.771654
US1KSSG0002_yearlong2011	12/21/2011	00:00:00	0.03149608
US1KSSG0002_yearlong2011	12/22/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/23/2011	00:00:00	0.01181103
US1KSSG0002_yearlong2011	12/24/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/25/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/26/2011	00:00:00	0.01968505
US1KSSG0002_yearlong2011	12/27/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/28/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/29/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/30/2011	00:00:00	0
US1KSSG0002_yearlong2011	12/31/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0002_yearlong2013	01/01/2013	00:00:00	0.1417324
US1KSSG0002_yearlong2013	01/02/2013	00:00:00	0.01181103
US1KSSG0002_yearlong2013	01/03/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/04/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/05/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/06/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/07/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/08/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/09/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/10/2013	00:00:00	0.38189
US1KSSG0002_yearlong2013	01/11/2013	00:00:00	0.0393701
US1KSSG0002_yearlong2013	01/12/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/13/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/14/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/15/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/16/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/17/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/18/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/19/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/20/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/21/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/22/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/23/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/24/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/25/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/26/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/27/2013	00:00:00	0.01181103
US1KSSG0002_yearlong2013	01/28/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/29/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/30/2013	00:00:00	0
US1KSSG0002_yearlong2013	01/31/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/01/2013	00:00:00	0.01181103
US1KSSG0002_yearlong2013	02/02/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/03/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/04/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/05/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/06/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/07/2013	00:00:00	0.1417324
US1KSSG0002_yearlong2013	02/08/2013	00:00:00	0

US1KSSG0002_yearlong2013	02/09/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/10/2013	00:00:00	0.0393701
US1KSSG0002_yearlong2013	02/11/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/12/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/13/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/14/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/15/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/16/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/17/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/18/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/19/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/20/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/21/2013	00:00:00	1.381891
US1KSSG0002_yearlong2013	02/22/2013	00:00:00	0.1102363
US1KSSG0002_yearlong2013	02/23/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/24/2013	00:00:00	0
US1KSSG0002_yearlong2013	02/25/2013	00:00:00	0.07086618
US1KSSG0002_yearlong2013	02/26/2013	00:00:00	0.6299216
US1KSSG0002_yearlong2013	02/27/2013	00:00:00	0.01181103
US1KSSG0002_yearlong2013	02/28/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/01/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/02/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/03/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/04/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/05/2013	00:00:00	0.03149608
US1KSSG0002_yearlong2013	03/06/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/07/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/08/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/09/2013	00:00:00	0.409449
US1KSSG0002_yearlong2013	03/10/2013	00:00:00	0.4685042
US1KSSG0002_yearlong2013	03/11/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/12/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/13/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/14/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/15/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/16/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/17/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/18/2013	00:00:00	0.01181103
US1KSSG0002_yearlong2013	03/19/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/20/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/21/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/22/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/23/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/24/2013	00:00:00	0.6889768
US1KSSG0002_yearlong2013	03/25/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/26/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/27/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/28/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/29/2013	00:00:00	0
US1KSSG0002_yearlong2013	03/30/2013	00:00:00	0.5196853
US1KSSG0002_yearlong2013	03/31/2013	00:00:00	0.05118113
US1KSSG0002_yearlong2013	04/01/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/02/2013	00:00:00	0.2598427
US1KSSG0002_yearlong2013	04/03/2013	00:00:00	0.05118113
US1KSSG0002_yearlong2013	04/04/2013	00:00:00	0.01181103
US1KSSG0002_yearlong2013	04/05/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/06/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/07/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/08/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/09/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/10/2013	00:00:00	1.460631
US1KSSG0002_yearlong2013	04/11/2013	00:00:00	0.03149608
US1KSSG0002_yearlong2013	04/12/2013	00:00:00	0

US1KSSG0002_yearlong2013	04/13/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/14/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/15/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/16/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/17/2013	00:00:00	0.01968505
US1KSSG0002_yearlong2013	04/18/2013	00:00:00	0.3385829
US1KSSG0002_yearlong2013	04/19/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/20/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/21/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/22/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/23/2013	00:00:00	1.259843
US1KSSG0002_yearlong2013	04/24/2013	00:00:00	0.03149608
US1KSSG0002_yearlong2013	04/25/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/26/2013	00:00:00	0.1102363
US1KSSG0002_yearlong2013	04/27/2013	00:00:00	0.1889765
US1KSSG0002_yearlong2013	04/28/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/29/2013	00:00:00	0
US1KSSG0002_yearlong2013	04/30/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/01/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/02/2013	00:00:00	1.149607
US1KSSG0002_yearlong2013	05/03/2013	00:00:00	0.03149608
US1KSSG0002_yearlong2013	05/04/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/05/2013	00:00:00	0.01181103
US1KSSG0002_yearlong2013	05/06/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/07/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/08/2013	00:00:00	0.4606302
US1KSSG0002_yearlong2013	05/09/2013	00:00:00	0.3385829
US1KSSG0002_yearlong2013	05/10/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/11/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/12/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/13/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/14/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/15/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/16/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/17/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/18/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/19/2013	00:00:00	0.2283466
US1KSSG0002_yearlong2013	05/20/2013	00:00:00	1.618111
US1KSSG0002_yearlong2013	05/21/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/22/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/23/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/24/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/25/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/26/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/27/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/28/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/29/2013	00:00:00	0
US1KSSG0002_yearlong2013	05/30/2013	00:00:00	2.519686
US1KSSG0002_yearlong2013	05/31/2013	00:00:00	0.5000003
US1KSSG0002_yearlong2013	06/01/2013	00:00:00	0.01968505
US1KSSG0002_yearlong2013	06/02/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/03/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/04/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/05/2013	00:00:00	0.2204726
US1KSSG0002_yearlong2013	06/06/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/07/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/08/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/09/2013	00:00:00	0.1811025
US1KSSG0002_yearlong2013	06/10/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/11/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/12/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/13/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/14/2013	00:00:00	0

US1KSSG0002_yearlong2013	06/15/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/16/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/17/2013	00:00:00	0.4685042
US1KSSG0002_yearlong2013	06/18/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/19/2013	00:00:00	0.2795277
US1KSSG0002_yearlong2013	06/20/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/21/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/22/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/23/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/24/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/25/2013	00:00:00	0.1417324
US1KSSG0002_yearlong2013	06/26/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/27/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/28/2013	00:00:00	0.8700792
US1KSSG0002_yearlong2013	06/29/2013	00:00:00	0
US1KSSG0002_yearlong2013	06/30/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/01/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/02/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/03/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/04/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/05/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/06/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/07/2013	00:00:00	0.1889765
US1KSSG0002_yearlong2013	07/08/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/09/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/10/2013	00:00:00	0.03149608
US1KSSG0002_yearlong2013	07/11/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/12/2013	00:00:00	0.5196853
US1KSSG0002_yearlong2013	07/13/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/14/2013	00:00:00	0.2401576
US1KSSG0002_yearlong2013	07/15/2013	00:00:00	0.1102363
US1KSSG0002_yearlong2013	07/16/2013	00:00:00	0.3307088
US1KSSG0002_yearlong2013	07/17/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/18/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/19/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/20/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/21/2013	00:00:00	0.4803152
US1KSSG0002_yearlong2013	07/22/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/23/2013	00:00:00	0.3307088
US1KSSG0002_yearlong2013	07/24/2013	00:00:00	1.330709
US1KSSG0002_yearlong2013	07/25/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/26/2013	00:00:00	1.838584
US1KSSG0002_yearlong2013	07/27/2013	00:00:00	0
US1KSSG0002_yearlong2013	07/28/2013	00:00:00	1.48819
US1KSSG0002_yearlong2013	07/29/2013	00:00:00	0.5314963
US1KSSG0002_yearlong2013	07/30/2013	00:00:00	0.1614174
US1KSSG0002_yearlong2013	07/31/2013	00:00:00	0
US1KSSG0002_yearlong2013	08/01/2013	00:00:00	0
US1KSSG0002_yearlong2013	08/02/2013	00:00:00	0.6181106
US1KSSG0002_yearlong2013	08/03/2013	00:00:00	0.409449
US1KSSG0002_yearlong2013	08/04/2013	00:00:00	2.681104
US1KSSG0002_yearlong2013	08/05/2013	00:00:00	0.5000003
US1KSSG0002_yearlong2013	08/06/2013	00:00:00	0.1417324
US1KSSG0002_yearlong2013	08/07/2013	00:00:00	0.3307088
US1KSSG0002_yearlong2013	08/08/2013	00:00:00	1.720473
US1KSSG0002_yearlong2013	08/09/2013	00:00:00	1.318898
US1KSSG0002_yearlong2013	08/10/2013	00:00:00	0
US1KSSG0002_yearlong2013	08/11/2013	00:00:00	0
US1KSSG0002_yearlong2013	08/12/2013	00:00:00	0.3188978
US1KSSG0002_yearlong2013	08/13/2013	00:00:00	0.2204726
US1KSSG0002_yearlong2013	08/14/2013	00:00:00	0.4606302
US1KSSG0002_yearlong2013	08/15/2013	00:00:00	0
US1KSSG0002_yearlong2013	08/16/2013	00:00:00	0.4606302

US1KSSG0002_yearlong2013	12/21/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/22/2013	00:00:00	0.5984255
US1KSSG0002_yearlong2013	12/23/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/24/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/25/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/26/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/27/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/28/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/29/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/30/2013	00:00:00	0
US1KSSG0002_yearlong2013	12/31/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0003_2010	11/08/2010	00:00:00	0
US1KSSG0003_2010	11/09/2010	00:00:00	0
US1KSSG0003_2010	11/10/2010	00:00:00	0
US1KSSG0003_2010	11/11/2010	00:00:00	0
US1KSSG0003_2010	11/12/2010	00:00:00	0.4685042
US1KSSG0003_2010	11/13/2010	00:00:00	0.5393704
US1KSSG0003_2010	11/14/2010	00:00:00	0
US1KSSG0003_2010	11/15/2010	00:00:00	0
US1KSSG0003_2010	11/16/2010	00:00:00	0
US1KSSG0003_2010	11/17/2010	00:00:00	0
US1KSSG0003_2010	11/18/2010	00:00:00	0.2086615
US1KSSG0003_2010	11/19/2010	00:00:00	0
US1KSSG0003_2010	11/20/2010	00:00:00	0
US1KSSG0003_2010	11/21/2010	00:00:00	0
US1KSSG0003_2010	11/22/2010	00:00:00	0
US1KSSG0003_2010	11/23/2010	00:00:00	0
US1KSSG0003_2010	11/24/2010	00:00:00	0
US1KSSG0003_2010	11/25/2010	00:00:00	0
US1KSSG0003_2010	11/26/2010	00:00:00	0
US1KSSG0003_2010	11/27/2010	00:00:00	0
US1KSSG0003_2010	11/28/2010	00:00:00	0
US1KSSG0003_2010	11/29/2010	00:00:00	0
US1KSSG0003_2010	11/30/2010	00:00:00	0
US1KSSG0003_2010	12/01/2010	00:00:00	0
US1KSSG0003_2010	12/02/2010	00:00:00	0
US1KSSG0003_2010	12/03/2010	00:00:00	0
US1KSSG0003_2010	12/04/2010	00:00:00	0
US1KSSG0003_2010	12/05/2010	00:00:00	0
US1KSSG0003_2010	12/06/2010	00:00:00	0
US1KSSG0003_2010	12/07/2010	00:00:00	0
US1KSSG0003_2010	12/08/2010	00:00:00	0
US1KSSG0003_2010	12/09/2010	00:00:00	0
US1KSSG0003_2010	12/10/2010	00:00:00	0
US1KSSG0003_2010	12/11/2010	00:00:00	0
US1KSSG0003_2010	12/12/2010	00:00:00	0
US1KSSG0003_2010	12/13/2010	00:00:00	0
US1KSSG0003_2010	12/14/2010	00:00:00	0
US1KSSG0003_2010	12/15/2010	00:00:00	0
US1KSSG0003_2010	12/16/2010	00:00:00	0
US1KSSG0003_2010	12/17/2010	00:00:00	0
US1KSSG0003_2010	12/18/2010	00:00:00	0
US1KSSG0003_2010	12/19/2010	00:00:00	0
US1KSSG0003_2010	12/20/2010	00:00:00	0
US1KSSG0003_2010	12/21/2010	00:00:00	0
US1KSSG0003_2010	12/22/2010	00:00:00	0
US1KSSG0003_2010	12/23/2010	00:00:00	0
US1KSSG0003_2010	12/24/2010	00:00:00	0.0787402
US1KSSG0003_2010	12/25/2010	00:00:00	0
US1KSSG0003_2010	12/26/2010	00:00:00	0
US1KSSG0003_2010	12/27/2010	00:00:00	0

US1KSSG0003_2010	12/28/2010	00:00:00	0
US1KSSG0003_2010	12/29/2010	00:00:00	0
US1KSSG0003_2010	12/30/2010	00:00:00	0
US1KSSG0003_2010	12/31/2010	00:00:00	0.01181103
US1KSSG0003_2010	01/01/2011	00:00:00	0
US1KSSG0003_2010	01/02/2011	00:00:00	0
US1KSSG0003_2010	01/03/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0003_MayJuneJuly2010	05/01/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/02/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/03/2010	00:00:00	0.0787402
US1KSSG0003_MayJuneJuly2010	05/04/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/05/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/06/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/07/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/08/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/09/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/10/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/11/2010	00:00:00	1.200788
US1KSSG0003_MayJuneJuly2010	05/12/2010	00:00:00	0.05118113
US1KSSG0003_MayJuneJuly2010	05/13/2010	00:00:00	2.039371
US1KSSG0003_MayJuneJuly2010	05/14/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/15/2010	00:00:00	0.3110238
US1KSSG0003_MayJuneJuly2010	05/16/2010	00:00:00	0.0393701
US1KSSG0003_MayJuneJuly2010	05/17/2010	00:00:00	0.1496064
US1KSSG0003_MayJuneJuly2010	05/18/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/19/2010	00:00:00	0.7283468
US1KSSG0003_MayJuneJuly2010	05/20/2010	00:00:00	0.2913387
US1KSSG0003_MayJuneJuly2010	05/21/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/22/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/23/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/24/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/25/2010	00:00:00	0.8503942
US1KSSG0003_MayJuneJuly2010	05/26/2010	00:00:00	0.09842525
US1KSSG0003_MayJuneJuly2010	05/27/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/28/2010	00:00:00	0.2007875
US1KSSG0003_MayJuneJuly2010	05/29/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/30/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	05/31/2010	00:00:00	0.2086615
US1KSSG0003_MayJuneJuly2010	06/01/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/02/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/03/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/04/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/05/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/06/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/07/2010	00:00:00	0.5590554
US1KSSG0003_MayJuneJuly2010	06/08/2010	00:00:00	0.1614174
US1KSSG0003_MayJuneJuly2010	06/09/2010	00:00:00	2.039371
US1KSSG0003_MayJuneJuly2010	06/10/2010	00:00:00	0.1614174
US1KSSG0003_MayJuneJuly2010	06/11/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/12/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/13/2010	00:00:00	1.629922
US1KSSG0003_MayJuneJuly2010	06/14/2010	00:00:00	3.25197
US1KSSG0003_MayJuneJuly2010	06/15/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/16/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/17/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/18/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/19/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/20/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/21/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/22/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/23/2010	00:00:00	0

US1KSSG0003_MayJuneJuly2010	06/24/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/25/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/26/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/27/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/28/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/29/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	06/30/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/01/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/02/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/03/2010	00:00:00	0.0393701
US1KSSG0003_MayJuneJuly2010	07/04/2010	00:00:00	0.6417326
US1KSSG0003_MayJuneJuly2010	07/05/2010	00:00:00	1.381891
US1KSSG0003_MayJuneJuly2010	07/06/2010	00:00:00	0.2401576
US1KSSG0003_MayJuneJuly2010	07/07/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/08/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/09/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/10/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/11/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/12/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/13/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/14/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/15/2010	00:00:00	0.2795277
US1KSSG0003_MayJuneJuly2010	07/16/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/17/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/18/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/19/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/20/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/21/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/22/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/23/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/24/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/25/2010	00:00:00	0.38189
US1KSSG0003_MayJuneJuly2010	07/26/2010	00:00:00	2.078741
US1KSSG0003_MayJuneJuly2010	07/27/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/28/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/29/2010	00:00:00	0
US1KSSG0003_MayJuneJuly2010	07/30/2010	00:00:00	0.2283466
US1KSSG0003_MayJuneJuly2010	07/31/2010	00:00:00	0

;Rainfall (in/day)

US1KSSG0003_septoctnov2013	09/01/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/02/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/03/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/04/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/05/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/06/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/07/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/08/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/09/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/10/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/11/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/12/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/13/2013	00:00:00	0.0393701
US1KSSG0003_septoctnov2013	09/14/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/15/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/16/2013	00:00:00	0.01968505
US1KSSG0003_septoctnov2013	09/17/2013	00:00:00	0.2795277
US1KSSG0003_septoctnov2013	09/18/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/19/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/20/2013	00:00:00	0.8582682
US1KSSG0003_septoctnov2013	09/21/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/22/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/23/2013	00:00:00	0

US1KSSG0003_septoctnov2013	09/24/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/25/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/26/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/27/2013	00:00:00	0
US1KSSG0003_septoctnov2013	09/28/2013	00:00:00	0.5905515
US1KSSG0003_septoctnov2013	09/29/2013	00:00:00	0.01968505
US1KSSG0003_septoctnov2013	09/30/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/01/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/02/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/03/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/04/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/05/2013	00:00:00	0.3188978
US1KSSG0003_septoctnov2013	10/06/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/07/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/08/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/09/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/10/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/11/2013	00:00:00	0.01181103
US1KSSG0003_septoctnov2013	10/12/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/13/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/14/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/15/2013	00:00:00	0.5905515
US1KSSG0003_septoctnov2013	10/16/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/17/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/18/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/19/2013	00:00:00	0.401575
US1KSSG0003_septoctnov2013	10/20/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/21/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/22/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/23/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/24/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/25/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/26/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/27/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/28/2013	00:00:00	0
US1KSSG0003_septoctnov2013	10/29/2013	00:00:00	1.401576
US1KSSG0003_septoctnov2013	10/30/2013	00:00:00	0.09842525
US1KSSG0003_septoctnov2013	10/31/2013	00:00:00	2.240159
US1KSSG0003_septoctnov2013	11/01/2013	00:00:00	0.05118113
US1KSSG0003_septoctnov2013	11/02/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/03/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/04/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/05/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/06/2013	00:00:00	0.4212601
US1KSSG0003_septoctnov2013	11/07/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/08/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/09/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/10/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/11/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/12/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/13/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/14/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/15/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/16/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/17/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/18/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/19/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/20/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/21/2013	00:00:00	0.2204726
US1KSSG0003_septoctnov2013	11/22/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/23/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/24/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/25/2013	00:00:00	0

US1KSSG0003_septoctnov2013	11/26/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/27/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/28/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/29/2013	00:00:00	0
US1KSSG0003_septoctnov2013	11/30/2013	00:00:00	0
;Rainfall (in/day)			
US1KSSG0003_yearlong2010	01/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/03/2010	00:00:00	0.0787402
US1KSSG0003_yearlong2010	01/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/07/2010	00:00:00	0.01968505
US1KSSG0003_yearlong2010	01/08/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/09/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/11/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/13/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/15/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/16/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/17/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/19/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/21/2010	00:00:00	0.0787402
US1KSSG0003_yearlong2010	01/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/23/2010	00:00:00	0.05905515
US1KSSG0003_yearlong2010	01/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/25/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/26/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	01/29/2010	00:00:00	0.4488191
US1KSSG0003_yearlong2010	01/30/2010	00:00:00	0.1181103
US1KSSG0003_yearlong2010	01/31/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/01/2010	00:00:00	0.01181103
US1KSSG0003_yearlong2010	02/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/04/2010	00:00:00	0.0393701
US1KSSG0003_yearlong2010	02/05/2010	00:00:00	0.1181103
US1KSSG0003_yearlong2010	02/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/07/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/08/2010	00:00:00	0.4409451
US1KSSG0003_yearlong2010	02/09/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/11/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/13/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/15/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/16/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/17/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/19/2010	00:00:00	0.07086618
US1KSSG0003_yearlong2010	02/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/21/2010	00:00:00	0.6692917
US1KSSG0003_yearlong2010	02/22/2010	00:00:00	0.01181103
US1KSSG0003_yearlong2010	02/23/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/25/2010	00:00:00	0

US1KSSG0003_yearlong2010	02/26/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	02/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/07/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/08/2010	00:00:00	0.01181103
US1KSSG0003_yearlong2010	03/09/2010	00:00:00	1.059056
US1KSSG0003_yearlong2010	03/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/11/2010	00:00:00	0.1496064
US1KSSG0003_yearlong2010	03/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/13/2010	00:00:00	0.01181103
US1KSSG0003_yearlong2010	03/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/15/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/16/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/17/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/19/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/20/2010	00:00:00	0.1614174
US1KSSG0003_yearlong2010	03/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/23/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/25/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/26/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/28/2010	00:00:00	0.01181103
US1KSSG0003_yearlong2010	03/29/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/30/2010	00:00:00	0
US1KSSG0003_yearlong2010	03/31/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/02/2010	00:00:00	0.01968505
US1KSSG0003_yearlong2010	04/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/07/2010	00:00:00	0.09055123
US1KSSG0003_yearlong2010	04/08/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/09/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/11/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/13/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/15/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/16/2010	00:00:00	0.0393701
US1KSSG0003_yearlong2010	04/17/2010	00:00:00	0.1102363
US1KSSG0003_yearlong2010	04/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/19/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/22/2010	00:00:00	0.03149608
US1KSSG0003_yearlong2010	04/23/2010	00:00:00	0.5984255
US1KSSG0003_yearlong2010	04/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/25/2010	00:00:00	0.05118113
US1KSSG0003_yearlong2010	04/26/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	04/29/2010	00:00:00	0

US1KSSG0003_yearlong2010	04/30/2010	00:00:00	0.6102365
US1KSSG0003_yearlong2010	05/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/03/2010	00:00:00	0.0787402
US1KSSG0003_yearlong2010	05/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/07/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/08/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/09/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/11/2010	00:00:00	1.200788
US1KSSG0003_yearlong2010	05/12/2010	00:00:00	0.05118113
US1KSSG0003_yearlong2010	05/13/2010	00:00:00	2.039371
US1KSSG0003_yearlong2010	05/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/15/2010	00:00:00	0.3110238
US1KSSG0003_yearlong2010	05/16/2010	00:00:00	0.0393701
US1KSSG0003_yearlong2010	05/17/2010	00:00:00	0.1496064
US1KSSG0003_yearlong2010	05/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/19/2010	00:00:00	0.7283468
US1KSSG0003_yearlong2010	05/20/2010	00:00:00	0.2913387
US1KSSG0003_yearlong2010	05/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/23/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/25/2010	00:00:00	0.8503942
US1KSSG0003_yearlong2010	05/26/2010	00:00:00	0.09842525
US1KSSG0003_yearlong2010	05/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/28/2010	00:00:00	0.2007875
US1KSSG0003_yearlong2010	05/29/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/30/2010	00:00:00	0
US1KSSG0003_yearlong2010	05/31/2010	00:00:00	0.2086615
US1KSSG0003_yearlong2010	06/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/07/2010	00:00:00	0.5590554
US1KSSG0003_yearlong2010	06/08/2010	00:00:00	0.1614174
US1KSSG0003_yearlong2010	06/09/2010	00:00:00	2.039371
US1KSSG0003_yearlong2010	06/10/2010	00:00:00	0.1614174
US1KSSG0003_yearlong2010	06/11/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/13/2010	00:00:00	1.629922
US1KSSG0003_yearlong2010	06/14/2010	00:00:00	3.25197
US1KSSG0003_yearlong2010	06/15/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/16/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/17/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/19/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/23/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/25/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/26/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/29/2010	00:00:00	0
US1KSSG0003_yearlong2010	06/30/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/01/2010	00:00:00	0

US1KSSG0003_yearlong2010	07/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/03/2010	00:00:00	0.0393701
US1KSSG0003_yearlong2010	07/04/2010	00:00:00	0.6417326
US1KSSG0003_yearlong2010	07/05/2010	00:00:00	1.381891
US1KSSG0003_yearlong2010	07/06/2010	00:00:00	0.2401576
US1KSSG0003_yearlong2010	07/07/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/08/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/09/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/11/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/13/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/15/2010	00:00:00	0.2795277
US1KSSG0003_yearlong2010	07/16/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/17/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/19/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/23/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/25/2010	00:00:00	0.38189
US1KSSG0003_yearlong2010	07/26/2010	00:00:00	2.078741
US1KSSG0003_yearlong2010	07/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/29/2010	00:00:00	0
US1KSSG0003_yearlong2010	07/30/2010	00:00:00	0.2283466
US1KSSG0003_yearlong2010	07/31/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/07/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/08/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/09/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/11/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/13/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/15/2010	00:00:00	0.1417324
US1KSSG0003_yearlong2010	08/16/2010	00:00:00	0.6299216
US1KSSG0003_yearlong2010	08/17/2010	00:00:00	0.9881895
US1KSSG0003_yearlong2010	08/18/2010	00:00:00	0.0787402
US1KSSG0003_yearlong2010	08/19/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/23/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/24/2010	00:00:00	1.350394
US1KSSG0003_yearlong2010	08/25/2010	00:00:00	0.05905515
US1KSSG0003_yearlong2010	08/26/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/29/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/30/2010	00:00:00	0
US1KSSG0003_yearlong2010	08/31/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/02/2010	00:00:00	0

US1KSSG0003_yearlong2010	09/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/07/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/08/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/09/2010	00:00:00	0.1496064
US1KSSG0003_yearlong2010	09/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/11/2010	00:00:00	0.05905515
US1KSSG0003_yearlong2010	09/12/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/13/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/15/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/16/2010	00:00:00	1.228347
US1KSSG0003_yearlong2010	09/17/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/19/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/23/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/24/2010	00:00:00	1.161418
US1KSSG0003_yearlong2010	09/25/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/26/2010	00:00:00	0.05118113
US1KSSG0003_yearlong2010	09/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/29/2010	00:00:00	0
US1KSSG0003_yearlong2010	09/30/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/02/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/04/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/05/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/06/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/07/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/08/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/09/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/10/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/11/2010	00:00:00	0.1692914
US1KSSG0003_yearlong2010	10/12/2010	00:00:00	0.01181103
US1KSSG0003_yearlong2010	10/13/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/14/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/15/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/16/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/17/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/18/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/19/2010	00:00:00	0.05905515
US1KSSG0003_yearlong2010	10/20/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/21/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/22/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/23/2010	00:00:00	0.3110238
US1KSSG0003_yearlong2010	10/24/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/25/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/26/2010	00:00:00	0.1102363
US1KSSG0003_yearlong2010	10/27/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/28/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/29/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/30/2010	00:00:00	0
US1KSSG0003_yearlong2010	10/31/2010	00:00:00	0
US1KSSG0003_yearlong2010	11/01/2010	00:00:00	0
US1KSSG0003_yearlong2010	11/02/2010	00:00:00	0.01968505
US1KSSG0003_yearlong2010	11/03/2010	00:00:00	0
US1KSSG0003_yearlong2010	11/04/2010	00:00:00	0

US1KSSG0003_yearlong2011	01/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/09/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/10/2011	00:00:00	0.2519687
US1KSSG0003_yearlong2011	01/11/2011	00:00:00	0.0787402
US1KSSG0003_yearlong2011	01/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/13/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/20/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	01/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/25/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	01/31/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/01/2011	00:00:00	0.07086618
US1KSSG0003_yearlong2011	02/02/2011	00:00:00	0.1496064
US1KSSG0003_yearlong2011	02/03/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/04/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/08/2011	00:00:00	0.05905515
US1KSSG0003_yearlong2011	02/09/2011	00:00:00	0.3503939
US1KSSG0003_yearlong2011	02/10/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/13/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/20/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/24/2011	00:00:00	0.0787402
US1KSSG0003_yearlong2011	02/25/2011	00:00:00	0.0787402
US1KSSG0003_yearlong2011	02/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	02/27/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	02/28/2011	00:00:00	0.7992131
US1KSSG0003_yearlong2011	03/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/03/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/04/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/08/2011	00:00:00	0.5590554

US1KSSG0003_yearlong2011	03/09/2011	00:00:00	0.01968505
US1KSSG0003_yearlong2011	03/10/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/13/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/14/2011	00:00:00	0.1102363
US1KSSG0003_yearlong2011	03/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/20/2011	00:00:00	0.05118113
US1KSSG0003_yearlong2011	03/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/25/2011	00:00:00	0.01968505
US1KSSG0003_yearlong2011	03/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/27/2011	00:00:00	0.01968505
US1KSSG0003_yearlong2011	03/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/29/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	03/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	03/31/2011	00:00:00	0.05905515
US1KSSG0003_yearlong2011	04/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/03/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/04/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/09/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	04/10/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/13/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/16/2011	00:00:00	0.1614174
US1KSSG0003_yearlong2011	04/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/20/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/22/2011	00:00:00	0.03149608
US1KSSG0003_yearlong2011	04/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/25/2011	00:00:00	0.5118113
US1KSSG0003_yearlong2011	04/26/2011	00:00:00	0.0787402
US1KSSG0003_yearlong2011	04/27/2011	00:00:00	0.0393701
US1KSSG0003_yearlong2011	04/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	04/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/03/2011	00:00:00	0.0393701
US1KSSG0003_yearlong2011	05/04/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/09/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/10/2011	00:00:00	0

US1KSSG0003_yearlong2011	05/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/12/2011	00:00:00	0.1889765
US1KSSG0003_yearlong2011	05/13/2011	00:00:00	0.2086615
US1KSSG0003_yearlong2011	05/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/18/2011	00:00:00	0.3385829
US1KSSG0003_yearlong2011	05/19/2011	00:00:00	0.6614177
US1KSSG0003_yearlong2011	05/20/2011	00:00:00	0.6417326
US1KSSG0003_yearlong2011	05/21/2011	00:00:00	0.3188978
US1KSSG0003_yearlong2011	05/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/25/2011	00:00:00	0.779528
US1KSSG0003_yearlong2011	05/26/2011	00:00:00	0.7204728
US1KSSG0003_yearlong2011	05/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/28/2011	00:00:00	0.01968505
US1KSSG0003_yearlong2011	05/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	05/31/2011	00:00:00	0.5708665
US1KSSG0003_yearlong2011	06/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/03/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/04/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/09/2011	00:00:00	0.01968505
US1KSSG0003_yearlong2011	06/10/2011	00:00:00	2.350395
US1KSSG0003_yearlong2011	06/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/12/2011	00:00:00	0.5314963
US1KSSG0003_yearlong2011	06/13/2011	00:00:00	0.05118113
US1KSSG0003_yearlong2011	06/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/17/2011	00:00:00	0.9212604
US1KSSG0003_yearlong2011	06/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/20/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/21/2011	00:00:00	0.05118113
US1KSSG0003_yearlong2011	06/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/25/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	06/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/03/2011	00:00:00	0.0787402
US1KSSG0003_yearlong2011	07/04/2011	00:00:00	0.6889768
US1KSSG0003_yearlong2011	07/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/09/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/10/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/12/2011	00:00:00	0

US1KSSG0003_yearlong2011	07/13/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/20/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/24/2011	00:00:00	0.2795277
US1KSSG0003_yearlong2011	07/25/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	07/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	07/30/2011	00:00:00	0.389764
US1KSSG0003_yearlong2011	07/31/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/03/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/04/2011	00:00:00	0.9291344
US1KSSG0003_yearlong2011	08/05/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	08/06/2011	00:00:00	0.3188978
US1KSSG0003_yearlong2011	08/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/09/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/10/2011	00:00:00	0.8385831
US1KSSG0003_yearlong2011	08/11/2011	00:00:00	0.6692917
US1KSSG0003_yearlong2011	08/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/13/2011	00:00:00	0.07086618
US1KSSG0003_yearlong2011	08/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/20/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	08/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/23/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	08/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/25/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	08/31/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/03/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/04/2011	00:00:00	0.05905515
US1KSSG0003_yearlong2011	09/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/09/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/10/2011	00:00:00	0.09842525
US1KSSG0003_yearlong2011	09/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/13/2011	00:00:00	0

US1KSSG0003_yearlong2011	09/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/16/2011	00:00:00	0.05118113
US1KSSG0003_yearlong2011	09/17/2011	00:00:00	0.2992128
US1KSSG0003_yearlong2011	09/18/2011	00:00:00	0.2007875
US1KSSG0003_yearlong2011	09/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/20/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/22/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	09/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/25/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	09/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/03/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/04/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/09/2011	00:00:00	0.9291344
US1KSSG0003_yearlong2011	10/10/2011	00:00:00	0.8307091
US1KSSG0003_yearlong2011	10/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/13/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/15/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/18/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	10/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/20/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/25/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/27/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	10/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	10/31/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/03/2011	00:00:00	0.1417324
US1KSSG0003_yearlong2011	11/04/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/06/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/08/2011	00:00:00	2.811025
US1KSSG0003_yearlong2011	11/09/2011	00:00:00	0.3582679
US1KSSG0003_yearlong2011	11/10/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/13/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/14/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/15/2011	00:00:00	0

US1KSSG0003_yearlong2011	11/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/20/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/21/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/22/2011	00:00:00	0.1889765
US1KSSG0003_yearlong2011	11/23/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/25/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/26/2011	00:00:00	0.5984255
US1KSSG0003_yearlong2011	11/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	11/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/01/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/02/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/03/2011	00:00:00	0.38189
US1KSSG0003_yearlong2011	12/04/2011	00:00:00	0.409449
US1KSSG0003_yearlong2011	12/05/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/06/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	12/07/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/08/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/09/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/10/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/11/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/12/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/13/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	12/14/2011	00:00:00	0.389764
US1KSSG0003_yearlong2011	12/15/2011	00:00:00	0.2992128
US1KSSG0003_yearlong2011	12/16/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/17/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/18/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/19/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/20/2011	00:00:00	2.228348
US1KSSG0003_yearlong2011	12/21/2011	00:00:00	0.01968505
US1KSSG0003_yearlong2011	12/22/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/23/2011	00:00:00	0.01181103
US1KSSG0003_yearlong2011	12/24/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/25/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/26/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/27/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/28/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/29/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/30/2011	00:00:00	0
US1KSSG0003_yearlong2011	12/31/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0003_yearlong2013	01/01/2013	00:00:00	0.1614174
US1KSSG0003_yearlong2013	01/02/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	01/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/05/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/10/2013	00:00:00	0.370079
US1KSSG0003_yearlong2013	01/11/2013	00:00:00	0.05905515
US1KSSG0003_yearlong2013	01/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/15/2013	00:00:00	0

US1KSSG0003_yearlong2013	01/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	01/30/2013	00:00:00	0.01181103
US1KSSG0003_yearlong2013	01/31/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/01/2013	00:00:00	0.01181103
US1KSSG0003_yearlong2013	02/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/05/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/07/2013	00:00:00	0.1496064
US1KSSG0003_yearlong2013	02/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/10/2013	00:00:00	0.05118113
US1KSSG0003_yearlong2013	02/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/21/2013	00:00:00	1.921261
US1KSSG0003_yearlong2013	02/22/2013	00:00:00	0.2007875
US1KSSG0003_yearlong2013	02/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	02/26/2013	00:00:00	0.6496066
US1KSSG0003_yearlong2013	02/27/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	02/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/05/2013	00:00:00	0.03149608
US1KSSG0003_yearlong2013	03/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/09/2013	00:00:00	0.409449
US1KSSG0003_yearlong2013	03/10/2013	00:00:00	0.4803152
US1KSSG0003_yearlong2013	03/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/18/2013	00:00:00	0.0393701
US1KSSG0003_yearlong2013	03/19/2013	00:00:00	0

US1KSSG0003_yearlong2013	03/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/24/2013	00:00:00	0.5787405
US1KSSG0003_yearlong2013	03/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	03/30/2013	00:00:00	0.4685042
US1KSSG0003_yearlong2013	03/31/2013	00:00:00	0.03149608
US1KSSG0003_yearlong2013	04/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/02/2013	00:00:00	0.2519687
US1KSSG0003_yearlong2013	04/03/2013	00:00:00	0.01181103
US1KSSG0003_yearlong2013	04/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/05/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/10/2013	00:00:00	2.000001
US1KSSG0003_yearlong2013	04/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/17/2013	00:00:00	0.05905515
US1KSSG0003_yearlong2013	04/18/2013	00:00:00	0.1811025
US1KSSG0003_yearlong2013	04/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/23/2013	00:00:00	1.578741
US1KSSG0003_yearlong2013	04/24/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	04/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/26/2013	00:00:00	0.07086618
US1KSSG0003_yearlong2013	04/27/2013	00:00:00	0.1181103
US1KSSG0003_yearlong2013	04/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	04/30/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/02/2013	00:00:00	1.011812
US1KSSG0003_yearlong2013	05/03/2013	00:00:00	0.05118113
US1KSSG0003_yearlong2013	05/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/05/2013	00:00:00	0.01181103
US1KSSG0003_yearlong2013	05/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/08/2013	00:00:00	0.6181106
US1KSSG0003_yearlong2013	05/09/2013	00:00:00	0.3307088
US1KSSG0003_yearlong2013	05/10/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/19/2013	00:00:00	0.2519687
US1KSSG0003_yearlong2013	05/20/2013	00:00:00	1.208662
US1KSSG0003_yearlong2013	05/21/2013	00:00:00	0

US1KSSG0003_yearlong2013	05/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	05/30/2013	00:00:00	2.500001
US1KSSG0003_yearlong2013	05/31/2013	00:00:00	0.6417326
US1KSSG0003_yearlong2013	06/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/05/2013	00:00:00	0.2519687
US1KSSG0003_yearlong2013	06/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/09/2013	00:00:00	0.2913387
US1KSSG0003_yearlong2013	06/10/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/17/2013	00:00:00	0.5708665
US1KSSG0003_yearlong2013	06/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/19/2013	00:00:00	0.2086615
US1KSSG0003_yearlong2013	06/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/25/2013	00:00:00	0.1102363
US1KSSG0003_yearlong2013	06/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/28/2013	00:00:00	0.5708665
US1KSSG0003_yearlong2013	06/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	06/30/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/05/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/07/2013	00:00:00	0.1811025
US1KSSG0003_yearlong2013	07/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/10/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	07/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/12/2013	00:00:00	0.05905515
US1KSSG0003_yearlong2013	07/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/14/2013	00:00:00	0.409449
US1KSSG0003_yearlong2013	07/15/2013	00:00:00	0.2007875
US1KSSG0003_yearlong2013	07/16/2013	00:00:00	0.1889765
US1KSSG0003_yearlong2013	07/17/2013	00:00:00	0.1102363
US1KSSG0003_yearlong2013	07/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/21/2013	00:00:00	0.7598429
US1KSSG0003_yearlong2013	07/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/23/2013	00:00:00	0.1614174

US1KSSG0003_yearlong2013	07/24/2013	00:00:00	1.059056
US1KSSG0003_yearlong2013	07/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/26/2013	00:00:00	1.641733
US1KSSG0003_yearlong2013	07/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	07/28/2013	00:00:00	1.759843
US1KSSG0003_yearlong2013	07/29/2013	00:00:00	0.2992128
US1KSSG0003_yearlong2013	07/30/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	07/31/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/02/2013	00:00:00	0.2007875
US1KSSG0003_yearlong2013	08/03/2013	00:00:00	0.6889768
US1KSSG0003_yearlong2013	08/04/2013	00:00:00	2.610238
US1KSSG0003_yearlong2013	08/05/2013	00:00:00	0.5393704
US1KSSG0003_yearlong2013	08/06/2013	00:00:00	0.1889765
US1KSSG0003_yearlong2013	08/07/2013	00:00:00	0.1496064
US1KSSG0003_yearlong2013	08/08/2013	00:00:00	1.381891
US1KSSG0003_yearlong2013	08/09/2013	00:00:00	0.8385831
US1KSSG0003_yearlong2013	08/10/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	08/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/12/2013	00:00:00	0.1889765
US1KSSG0003_yearlong2013	08/13/2013	00:00:00	0.7598429
US1KSSG0003_yearlong2013	08/14/2013	00:00:00	0.3582679
US1KSSG0003_yearlong2013	08/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/16/2013	00:00:00	0.6299216
US1KSSG0003_yearlong2013	08/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/30/2013	00:00:00	0
US1KSSG0003_yearlong2013	08/31/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/05/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/10/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/13/2013	00:00:00	0.0393701
US1KSSG0003_yearlong2013	09/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/16/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	09/17/2013	00:00:00	0.2795277
US1KSSG0003_yearlong2013	09/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/20/2013	00:00:00	0.8582682
US1KSSG0003_yearlong2013	09/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/24/2013	00:00:00	0

US1KSSG0003_yearlong2013	09/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	09/28/2013	00:00:00	0.5905515
US1KSSG0003_yearlong2013	09/29/2013	00:00:00	0.01968505
US1KSSG0003_yearlong2013	09/30/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/05/2013	00:00:00	0.3188978
US1KSSG0003_yearlong2013	10/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/10/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/11/2013	00:00:00	0.01181103
US1KSSG0003_yearlong2013	10/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/15/2013	00:00:00	0.5905515
US1KSSG0003_yearlong2013	10/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/19/2013	00:00:00	0.401575
US1KSSG0003_yearlong2013	10/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	10/29/2013	00:00:00	1.401576
US1KSSG0003_yearlong2013	10/30/2013	00:00:00	0.09842525
US1KSSG0003_yearlong2013	10/31/2013	00:00:00	2.240159
US1KSSG0003_yearlong2013	11/01/2013	00:00:00	0.05118113
US1KSSG0003_yearlong2013	11/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/05/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/06/2013	00:00:00	0.4212601
US1KSSG0003_yearlong2013	11/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/10/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/21/2013	00:00:00	0.2204726
US1KSSG0003_yearlong2013	11/22/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/26/2013	00:00:00	0

US1KSSG0003_yearlong2013	11/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	11/30/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/01/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/02/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/03/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/04/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/05/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/06/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/07/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/08/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/09/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/10/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/11/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/12/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/13/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/14/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/15/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/16/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/17/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/18/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/19/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/20/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/21/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/22/2013	00:00:00	0.5118113
US1KSSG0003_yearlong2013	12/23/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/24/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/25/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/26/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/27/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/28/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/29/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/30/2013	00:00:00	0
US1KSSG0003_yearlong2013	12/31/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0009_2010	11/08/2010	00:00:00	0
US1KSSG0009_2010	11/09/2010	00:00:00	0
US1KSSG0009_2010	11/10/2010	00:00:00	0
US1KSSG0009_2010	11/11/2010	00:00:00	0
US1KSSG0009_2010	11/12/2010	00:00:00	0.389764
US1KSSG0009_2010	11/13/2010	00:00:00	0.5905515
US1KSSG0009_2010	11/14/2010	00:00:00	0
US1KSSG0009_2010	11/15/2010	00:00:00	0
US1KSSG0009_2010	11/16/2010	00:00:00	0
US1KSSG0009_2010	11/17/2010	00:00:00	0
US1KSSG0009_2010	11/18/2010	00:00:00	0.2795277
US1KSSG0009_2010	11/19/2010	00:00:00	0
US1KSSG0009_2010	11/20/2010	00:00:00	0
US1KSSG0009_2010	11/21/2010	00:00:00	0
US1KSSG0009_2010	11/22/2010	00:00:00	0
US1KSSG0009_2010	11/23/2010	00:00:00	0
US1KSSG0009_2010	11/24/2010	00:00:00	0
US1KSSG0009_2010	11/25/2010	00:00:00	0
US1KSSG0009_2010	11/26/2010	00:00:00	0
US1KSSG0009_2010	11/27/2010	00:00:00	0
US1KSSG0009_2010	11/28/2010	00:00:00	0
US1KSSG0009_2010	11/29/2010	00:00:00	0
US1KSSG0009_2010	11/30/2010	00:00:00	0
US1KSSG0009_2010	12/01/2010	00:00:00	0
US1KSSG0009_2010	12/02/2010	00:00:00	0
US1KSSG0009_2010	12/03/2010	00:00:00	0

US1KSSG0009_2010	12/04/2010	00:00:00	0
US1KSSG0009_2010	12/05/2010	00:00:00	0
US1KSSG0009_2010	12/06/2010	00:00:00	0
US1KSSG0009_2010	12/07/2010	00:00:00	0
US1KSSG0009_2010	12/08/2010	00:00:00	0
US1KSSG0009_2010	12/09/2010	00:00:00	0
US1KSSG0009_2010	12/10/2010	00:00:00	0
US1KSSG0009_2010	12/11/2010	00:00:00	0
US1KSSG0009_2010	12/12/2010	00:00:00	0
US1KSSG0009_2010	12/13/2010	00:00:00	0
US1KSSG0009_2010	12/14/2010	00:00:00	0
US1KSSG0009_2010	12/15/2010	00:00:00	0
US1KSSG0009_2010	12/16/2010	00:00:00	0
US1KSSG0009_2010	12/17/2010	00:00:00	0
US1KSSG0009_2010	12/18/2010	00:00:00	0
US1KSSG0009_2010	12/19/2010	00:00:00	0
US1KSSG0009_2010	12/20/2010	00:00:00	0
US1KSSG0009_2010	12/21/2010	00:00:00	0
US1KSSG0009_2010	12/22/2010	00:00:00	0
US1KSSG0009_2010	12/23/2010	00:00:00	0
US1KSSG0009_2010	12/24/2010	00:00:00	0.0393701
US1KSSG0009_2010	12/25/2010	00:00:00	0
US1KSSG0009_2010	12/26/2010	00:00:00	0
US1KSSG0009_2010	12/27/2010	00:00:00	0
US1KSSG0009_2010	12/28/2010	00:00:00	0
US1KSSG0009_2010	12/29/2010	00:00:00	0
US1KSSG0009_2010	12/30/2010	00:00:00	0
US1KSSG0009_2010	12/31/2010	00:00:00	0
US1KSSG0009_2010	01/01/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0009_MayJuneJuly2010	05/01/2010	00:00:00	0.01181103
US1KSSG0009_MayJuneJuly2010	05/02/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/03/2010	00:00:00	0.07086618
US1KSSG0009_MayJuneJuly2010	05/04/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/05/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/06/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/07/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/08/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/09/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/10/2010	00:00:00	0.01181103
US1KSSG0009_MayJuneJuly2010	05/11/2010	00:00:00	1.181103
US1KSSG0009_MayJuneJuly2010	05/12/2010	00:00:00	0.0393701
US1KSSG0009_MayJuneJuly2010	05/13/2010	00:00:00	2.161418
US1KSSG0009_MayJuneJuly2010	05/14/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/15/2010	00:00:00	0.07086618
US1KSSG0009_MayJuneJuly2010	05/16/2010	00:00:00	0.05905515
US1KSSG0009_MayJuneJuly2010	05/17/2010	00:00:00	0.1102363
US1KSSG0009_MayJuneJuly2010	05/18/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/19/2010	00:00:00	0.2007875
US1KSSG0009_MayJuneJuly2010	05/20/2010	00:00:00	0.3307088
US1KSSG0009_MayJuneJuly2010	05/21/2010	00:00:00	0.01181103
US1KSSG0009_MayJuneJuly2010	05/22/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/23/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/24/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/25/2010	00:00:00	0.7519689
US1KSSG0009_MayJuneJuly2010	05/26/2010	00:00:00	0.0787402
US1KSSG0009_MayJuneJuly2010	05/27/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/28/2010	00:00:00	0.3582679
US1KSSG0009_MayJuneJuly2010	05/29/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/30/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	05/31/2010	00:00:00	0.1181103
US1KSSG0009_MayJuneJuly2010	06/01/2010	00:00:00	0

US1KSSG0009_MayJuneJuly2010	06/02/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/03/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/04/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/05/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/06/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/07/2010	00:00:00	0.409449
US1KSSG0009_MayJuneJuly2010	06/08/2010	00:00:00	0.1181103
US1KSSG0009_MayJuneJuly2010	06/09/2010	00:00:00	1.480316
US1KSSG0009_MayJuneJuly2010	06/10/2010	00:00:00	0.05905515
US1KSSG0009_MayJuneJuly2010	06/11/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/12/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/13/2010	00:00:00	1.940946
US1KSSG0009_MayJuneJuly2010	06/14/2010	00:00:00	2.578742
US1KSSG0009_MayJuneJuly2010	06/15/2010	00:00:00	0.01181103
US1KSSG0009_MayJuneJuly2010	06/16/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/17/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/18/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/19/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/20/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/21/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/22/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/23/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/24/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/25/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/26/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/27/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/28/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/29/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	06/30/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/01/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/02/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/03/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/04/2010	00:00:00	0.5590554
US1KSSG0009_MayJuneJuly2010	07/05/2010	00:00:00	0.9803155
US1KSSG0009_MayJuneJuly2010	07/06/2010	00:00:00	0.2598427
US1KSSG0009_MayJuneJuly2010	07/07/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/08/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/09/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/10/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/11/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/12/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/13/2010	00:00:00	0.01181103
US1KSSG0009_MayJuneJuly2010	07/14/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/15/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/16/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/17/2010	00:00:00	0.01181103
US1KSSG0009_MayJuneJuly2010	07/18/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/19/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/20/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/21/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/22/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/23/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/24/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/25/2010	00:00:00	1.051182
US1KSSG0009_MayJuneJuly2010	07/26/2010	00:00:00	0.5393704
US1KSSG0009_MayJuneJuly2010	07/27/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/28/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/29/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/30/2010	00:00:00	0
US1KSSG0009_MayJuneJuly2010	07/31/2010	00:00:00	0

;Rainfall (in/day)

US1KSSG0009_septoctnov2013	09/01/2013	00:00:00	0
----------------------------	------------	----------	---

US1KSSG0009_septoctnov2013	09/02/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/03/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/04/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/05/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/06/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/07/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/08/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/09/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/10/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/11/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/12/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/13/2013	00:00:00	0.05905515
US1KSSG0009_septoctnov2013	09/14/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/15/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/16/2013	00:00:00	0.0393701
US1KSSG0009_septoctnov2013	09/17/2013	00:00:00	0.2007875
US1KSSG0009_septoctnov2013	09/18/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/19/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/20/2013	00:00:00	0.7598429
US1KSSG0009_septoctnov2013	09/21/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/22/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/23/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/24/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/25/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/26/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/27/2013	00:00:00	0
US1KSSG0009_septoctnov2013	09/28/2013	00:00:00	0.6299216
US1KSSG0009_septoctnov2013	09/29/2013	00:00:00	0.01968505
US1KSSG0009_septoctnov2013	09/30/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/01/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/02/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/03/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/04/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/05/2013	00:00:00	0.3110238
US1KSSG0009_septoctnov2013	10/06/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/07/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/08/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/09/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/10/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/11/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/12/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/13/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/14/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/15/2013	00:00:00	0.6496066
US1KSSG0009_septoctnov2013	10/16/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/17/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/18/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/19/2013	00:00:00	0.5000003
US1KSSG0009_septoctnov2013	10/20/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/21/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/22/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/23/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/24/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/25/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/26/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/27/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/28/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/29/2013	00:00:00	1.551182
US1KSSG0009_septoctnov2013	10/30/2013	00:00:00	0
US1KSSG0009_septoctnov2013	10/31/2013	00:00:00	2.850395
US1KSSG0009_septoctnov2013	11/01/2013	00:00:00	0.03149608
US1KSSG0009_septoctnov2013	11/02/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/03/2013	00:00:00	0

US1KSSG0009_septoctnov2013	11/04/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/05/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/06/2013	00:00:00	0.4409451
US1KSSG0009_septoctnov2013	11/07/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/08/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/09/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/10/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/11/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/12/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/13/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/14/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/15/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/16/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/17/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/18/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/19/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/20/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/21/2013	00:00:00	0.1889765
US1KSSG0009_septoctnov2013	11/22/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/23/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/24/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/25/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/26/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/27/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/28/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/29/2013	00:00:00	0
US1KSSG0009_septoctnov2013	11/30/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0009_yearlong2010	01/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/03/2010	00:00:00	0.07086618
US1KSSG0009_yearlong2010	01/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/07/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	01/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/09/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/10/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/11/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/12/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/13/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/15/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/16/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/17/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/20/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	01/21/2010	00:00:00	0.03149608
US1KSSG0009_yearlong2010	01/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/23/2010	00:00:00	0.03149608
US1KSSG0009_yearlong2010	01/24/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/25/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	01/29/2010	00:00:00	0.5314963
US1KSSG0009_yearlong2010	01/30/2010	00:00:00	0.05905515
US1KSSG0009_yearlong2010	01/31/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/02/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	02/03/2010	00:00:00	0

US1KSSG0009_yearlong2010	02/04/2010	00:00:00	0.05118113
US1KSSG0009_yearlong2010	02/05/2010	00:00:00	0.09842525
US1KSSG0009_yearlong2010	02/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/07/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/08/2010	00:00:00	0.4881893
US1KSSG0009_yearlong2010	02/09/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	02/10/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/11/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/12/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/13/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/15/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/16/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/17/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/19/2010	00:00:00	0.0787402
US1KSSG0009_yearlong2010	02/20/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/21/2010	00:00:00	0.5000003
US1KSSG0009_yearlong2010	02/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/24/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/25/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	02/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/03/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/07/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/09/2010	00:00:00	1.228347
US1KSSG0009_yearlong2010	03/10/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	03/11/2010	00:00:00	0.2283466
US1KSSG0009_yearlong2010	03/12/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	03/13/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	03/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/15/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/16/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/17/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/20/2010	00:00:00	0.6102365
US1KSSG0009_yearlong2010	03/21/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/24/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	03/25/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	03/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/28/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	03/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/30/2010	00:00:00	0
US1KSSG0009_yearlong2010	03/31/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/02/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	04/03/2010	00:00:00	0.0393701
US1KSSG0009_yearlong2010	04/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/07/2010	00:00:00	0.1181103

US1KSSG0009_yearlong2010	04/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/09/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/10/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/11/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/12/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/13/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/15/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/16/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/17/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/20/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/21/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/22/2010	00:00:00	0.03149608
US1KSSG0009_yearlong2010	04/23/2010	00:00:00	0.7598429
US1KSSG0009_yearlong2010	04/24/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/25/2010	00:00:00	0.0393701
US1KSSG0009_yearlong2010	04/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	04/30/2010	00:00:00	0.4803152
US1KSSG0009_yearlong2010	05/01/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	05/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/03/2010	00:00:00	0.07086618
US1KSSG0009_yearlong2010	05/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/07/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/09/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/10/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	05/11/2010	00:00:00	1.181103
US1KSSG0009_yearlong2010	05/12/2010	00:00:00	0.0393701
US1KSSG0009_yearlong2010	05/13/2010	00:00:00	2.161418
US1KSSG0009_yearlong2010	05/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/15/2010	00:00:00	0.07086618
US1KSSG0009_yearlong2010	05/16/2010	00:00:00	0.05905515
US1KSSG0009_yearlong2010	05/17/2010	00:00:00	0.1102363
US1KSSG0009_yearlong2010	05/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/19/2010	00:00:00	0.2007875
US1KSSG0009_yearlong2010	05/20/2010	00:00:00	0.3307088
US1KSSG0009_yearlong2010	05/21/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	05/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/24/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/25/2010	00:00:00	0.7519689
US1KSSG0009_yearlong2010	05/26/2010	00:00:00	0.0787402
US1KSSG0009_yearlong2010	05/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/28/2010	00:00:00	0.3582679
US1KSSG0009_yearlong2010	05/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/30/2010	00:00:00	0
US1KSSG0009_yearlong2010	05/31/2010	00:00:00	0.1181103
US1KSSG0009_yearlong2010	06/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/03/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/07/2010	00:00:00	0.409449
US1KSSG0009_yearlong2010	06/08/2010	00:00:00	0.1181103
US1KSSG0009_yearlong2010	06/09/2010	00:00:00	1.480316

US1KSSG0009_yearlong2010	06/10/2010	00:00:00	0.05905515
US1KSSG0009_yearlong2010	06/11/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/12/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/13/2010	00:00:00	1.940946
US1KSSG0009_yearlong2010	06/14/2010	00:00:00	2.578742
US1KSSG0009_yearlong2010	06/15/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	06/16/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/17/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/20/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/21/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/24/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/25/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	06/30/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/03/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/04/2010	00:00:00	0.5590554
US1KSSG0009_yearlong2010	07/05/2010	00:00:00	0.9803155
US1KSSG0009_yearlong2010	07/06/2010	00:00:00	0.2598427
US1KSSG0009_yearlong2010	07/07/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/09/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/10/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/11/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/12/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/13/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	07/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/15/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/16/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/17/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	07/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/20/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/21/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/24/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/25/2010	00:00:00	1.051182
US1KSSG0009_yearlong2010	07/26/2010	00:00:00	0.5393704
US1KSSG0009_yearlong2010	07/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/30/2010	00:00:00	0
US1KSSG0009_yearlong2010	07/31/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/03/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/07/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/09/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/10/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/11/2010	00:00:00	0

US1KSSG0009_yearlong2010	08/12/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/13/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/15/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	08/16/2010	00:00:00	0.5000003
US1KSSG0009_yearlong2010	08/17/2010	00:00:00	0.5314963
US1KSSG0009_yearlong2010	08/18/2010	00:00:00	0.0393701
US1KSSG0009_yearlong2010	08/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/20/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/21/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	08/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/24/2010	00:00:00	0.7401579
US1KSSG0009_yearlong2010	08/25/2010	00:00:00	0.1417324
US1KSSG0009_yearlong2010	08/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/30/2010	00:00:00	0
US1KSSG0009_yearlong2010	08/31/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/03/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/07/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	09/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/09/2010	00:00:00	0.1692914
US1KSSG0009_yearlong2010	09/10/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/11/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/12/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/13/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/14/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/15/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/16/2010	00:00:00	0.2795277
US1KSSG0009_yearlong2010	09/17/2010	00:00:00	0.01968505
US1KSSG0009_yearlong2010	09/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/20/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/21/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/24/2010	00:00:00	1.220473
US1KSSG0009_yearlong2010	09/25/2010	00:00:00	0.6496066
US1KSSG0009_yearlong2010	09/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	09/30/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/01/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/02/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/03/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/04/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/05/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/06/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/07/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/08/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/09/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/10/2010	00:00:00	0
US1KSSG0009_yearlong2010	10/11/2010	00:00:00	0.1299213
US1KSSG0009_yearlong2010	10/12/2010	00:00:00	0.01181103
US1KSSG0009_yearlong2010	10/13/2010	00:00:00	0

US1KSSG0009_yearlong2010	12/16/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/17/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/18/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/19/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/20/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/21/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/22/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/23/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/24/2010	00:00:00	0.0393701
US1KSSG0009_yearlong2010	12/25/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/26/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/27/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/28/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/29/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/30/2010	00:00:00	0
US1KSSG0009_yearlong2010	12/31/2010	00:00:00	0

;Rainfall (in/day)

US1KSSG0009_yearlong2011	01/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/04/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/08/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/09/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/10/2011	00:00:00	0.2913387
US1KSSG0009_yearlong2011	01/11/2011	00:00:00	0.0393701
US1KSSG0009_yearlong2011	01/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/13/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/14/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/20/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/21/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/22/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/23/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/25/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/26/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/28/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	01/31/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/01/2011	00:00:00	0.0787402
US1KSSG0009_yearlong2011	02/02/2011	00:00:00	0.3110238
US1KSSG0009_yearlong2011	02/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/04/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/08/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/09/2011	00:00:00	0.6181106
US1KSSG0009_yearlong2011	02/10/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/13/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/14/2011	00:00:00	0

US1KSSG0009_yearlong2011	02/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/20/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/21/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/22/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/23/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/24/2011	00:00:00	0.07086618
US1KSSG0009_yearlong2011	02/25/2011	00:00:00	0.2007875
US1KSSG0009_yearlong2011	02/26/2011	00:00:00	0
US1KSSG0009_yearlong2011	02/27/2011	00:00:00	0.01181103
US1KSSG0009_yearlong2011	02/28/2011	00:00:00	1.858269
US1KSSG0009_yearlong2011	03/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/04/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/08/2011	00:00:00	0.5196853
US1KSSG0009_yearlong2011	03/09/2011	00:00:00	0.0393701
US1KSSG0009_yearlong2011	03/10/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/13/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/14/2011	00:00:00	0.2204726
US1KSSG0009_yearlong2011	03/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/20/2011	00:00:00	0.0393701
US1KSSG0009_yearlong2011	03/21/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/22/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/23/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/25/2011	00:00:00	0.0393701
US1KSSG0009_yearlong2011	03/26/2011	00:00:00	0.01181103
US1KSSG0009_yearlong2011	03/27/2011	00:00:00	0.01181103
US1KSSG0009_yearlong2011	03/28/2011	00:00:00	0.01181103
US1KSSG0009_yearlong2011	03/29/2011	00:00:00	0.03149608
US1KSSG0009_yearlong2011	03/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	03/31/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/04/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/08/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/09/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/10/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/13/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/14/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/16/2011	00:00:00	0.1299213
US1KSSG0009_yearlong2011	04/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/18/2011	00:00:00	0

US1KSSG0009_yearlong2011	04/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/20/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/21/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/22/2011	00:00:00	0.03149608
US1KSSG0009_yearlong2011	04/23/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/25/2011	00:00:00	0.4212601
US1KSSG0009_yearlong2011	04/26/2011	00:00:00	0.1811025
US1KSSG0009_yearlong2011	04/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/28/2011	00:00:00	0.05118113
US1KSSG0009_yearlong2011	04/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	04/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/04/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/08/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/09/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/10/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/12/2011	00:00:00	0.1102363
US1KSSG0009_yearlong2011	05/13/2011	00:00:00	0.1299213
US1KSSG0009_yearlong2011	05/14/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/18/2011	00:00:00	0.09842525
US1KSSG0009_yearlong2011	05/19/2011	00:00:00	0.4409451
US1KSSG0009_yearlong2011	05/20/2011	00:00:00	0.03149608
US1KSSG0009_yearlong2011	05/21/2011	00:00:00	1.031497
US1KSSG0009_yearlong2011	05/22/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/23/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/25/2011	00:00:00	0.370079
US1KSSG0009_yearlong2011	05/26/2011	00:00:00	0.2401576
US1KSSG0009_yearlong2011	05/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/28/2011	00:00:00	0.03149608
US1KSSG0009_yearlong2011	05/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	05/31/2011	00:00:00	0.6496066
US1KSSG0009_yearlong2011	06/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/04/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/08/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/09/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/10/2011	00:00:00	0.8385831
US1KSSG0009_yearlong2011	06/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/12/2011	00:00:00	0.5984255
US1KSSG0009_yearlong2011	06/13/2011	00:00:00	0.07086618
US1KSSG0009_yearlong2011	06/14/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/17/2011	00:00:00	1.389765
US1KSSG0009_yearlong2011	06/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/19/2011	00:00:00	0.01968505
US1KSSG0009_yearlong2011	06/20/2011	00:00:00	0

US1KSSG0009_yearlong2011	06/21/2011	00:00:00	0.7519689
US1KSSG0009_yearlong2011	06/22/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/23/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/25/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/26/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/28/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	06/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/04/2011	00:00:00	1.421261
US1KSSG0009_yearlong2011	07/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/07/2011	00:00:00	0.01181103
US1KSSG0009_yearlong2011	07/08/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/09/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/10/2011	00:00:00	0.3503939
US1KSSG0009_yearlong2011	07/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/13/2011	00:00:00	0.1692914
US1KSSG0009_yearlong2011	07/14/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/20/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/21/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/22/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/23/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/25/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/26/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/28/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	07/30/2011	00:00:00	0.2795277
US1KSSG0009_yearlong2011	07/31/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/04/2011	00:00:00	1.40945
US1KSSG0009_yearlong2011	08/05/2011	00:00:00	0.2007875
US1KSSG0009_yearlong2011	08/06/2011	00:00:00	0.01968505
US1KSSG0009_yearlong2011	08/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/08/2011	00:00:00	0.03149608
US1KSSG0009_yearlong2011	08/09/2011	00:00:00	0.01968505
US1KSSG0009_yearlong2011	08/10/2011	00:00:00	0.5984255
US1KSSG0009_yearlong2011	08/11/2011	00:00:00	0.2795277
US1KSSG0009_yearlong2011	08/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/13/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/14/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/20/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/21/2011	00:00:00	0
US1KSSG0009_yearlong2011	08/22/2011	00:00:00	0

US1KSSG0009_yearlong2011	10/25/2011	00:00:00	0
US1KSSG0009_yearlong2011	10/26/2011	00:00:00	0
US1KSSG0009_yearlong2011	10/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	10/28/2011	00:00:00	0
US1KSSG0009_yearlong2011	10/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	10/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	10/31/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/03/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/04/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/08/2011	00:00:00	2.598427
US1KSSG0009_yearlong2011	11/09/2011	00:00:00	0.409449
US1KSSG0009_yearlong2011	11/10/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/13/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/14/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/15/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/20/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/21/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/22/2011	00:00:00	0.2598427
US1KSSG0009_yearlong2011	11/23/2011	00:00:00	0.01968505
US1KSSG0009_yearlong2011	11/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/25/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/26/2011	00:00:00	0.8818902
US1KSSG0009_yearlong2011	11/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/28/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	11/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/01/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/02/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/03/2011	00:00:00	0.2795277
US1KSSG0009_yearlong2011	12/04/2011	00:00:00	0.3188978
US1KSSG0009_yearlong2011	12/05/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/06/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/07/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/08/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/09/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/10/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/11/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/12/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/13/2011	00:00:00	0.01181103
US1KSSG0009_yearlong2011	12/14/2011	00:00:00	0.409449
US1KSSG0009_yearlong2011	12/15/2011	00:00:00	0.2519687
US1KSSG0009_yearlong2011	12/16/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/17/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/18/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/19/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/20/2011	00:00:00	2.271655
US1KSSG0009_yearlong2011	12/21/2011	00:00:00	0.01968505
US1KSSG0009_yearlong2011	12/22/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/23/2011	00:00:00	0.01968505
US1KSSG0009_yearlong2011	12/24/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/25/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/26/2011	00:00:00	0

US1KSSG0009_yearlong2011	12/27/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/28/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/29/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/30/2011	00:00:00	0
US1KSSG0009_yearlong2011	12/31/2011	00:00:00	0
;Rainfall (in/day)			
US1KSSG0009_yearlong2013	01/01/2013	00:00:00	0.09842525
US1KSSG0009_yearlong2013	01/02/2013	00:00:00	0.01968505
US1KSSG0009_yearlong2013	01/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/05/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/07/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/08/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/09/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/10/2013	00:00:00	0.2992128
US1KSSG0009_yearlong2013	01/11/2013	00:00:00	0.0787402
US1KSSG0009_yearlong2013	01/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/16/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/17/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/19/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/24/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/26/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/28/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/29/2013	00:00:00	0
US1KSSG0009_yearlong2013	01/30/2013	00:00:00	0.01181103
US1KSSG0009_yearlong2013	01/31/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/02/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/05/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/07/2013	00:00:00	0.1299213
US1KSSG0009_yearlong2013	02/08/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/09/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/10/2013	00:00:00	0.03149608
US1KSSG0009_yearlong2013	02/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/16/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/17/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/19/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/21/2013	00:00:00	1.181103
US1KSSG0009_yearlong2013	02/22/2013	00:00:00	0.2007875
US1KSSG0009_yearlong2013	02/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/24/2013	00:00:00	0
US1KSSG0009_yearlong2013	02/25/2013	00:00:00	0

US1KSSG0009_yearlong2013	02/26/2013	00:00:00	0.7086618
US1KSSG0009_yearlong2013	02/27/2013	00:00:00	0.01968505
US1KSSG0009_yearlong2013	02/28/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/02/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/05/2013	00:00:00	0.03149608
US1KSSG0009_yearlong2013	03/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/07/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/08/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/09/2013	00:00:00	0.401575
US1KSSG0009_yearlong2013	03/10/2013	00:00:00	0.4685042
US1KSSG0009_yearlong2013	03/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/16/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/17/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/19/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/24/2013	00:00:00	0.4409451
US1KSSG0009_yearlong2013	03/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/26/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/28/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/29/2013	00:00:00	0
US1KSSG0009_yearlong2013	03/30/2013	00:00:00	0.389764
US1KSSG0009_yearlong2013	03/31/2013	00:00:00	0.03149608
US1KSSG0009_yearlong2013	04/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/02/2013	00:00:00	0.2204726
US1KSSG0009_yearlong2013	04/03/2013	00:00:00	0.03149608
US1KSSG0009_yearlong2013	04/04/2013	00:00:00	0.01181103
US1KSSG0009_yearlong2013	04/05/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/07/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/08/2013	00:00:00	0.01181103
US1KSSG0009_yearlong2013	04/09/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/10/2013	00:00:00	1.098426
US1KSSG0009_yearlong2013	04/11/2013	00:00:00	0.2598427
US1KSSG0009_yearlong2013	04/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/16/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/17/2013	00:00:00	0.0393701
US1KSSG0009_yearlong2013	04/18/2013	00:00:00	0.4606302
US1KSSG0009_yearlong2013	04/19/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/23/2013	00:00:00	1.669292
US1KSSG0009_yearlong2013	04/24/2013	00:00:00	0.05118113
US1KSSG0009_yearlong2013	04/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	04/26/2013	00:00:00	0.1181103
US1KSSG0009_yearlong2013	04/27/2013	00:00:00	0.1889765
US1KSSG0009_yearlong2013	04/28/2013	00:00:00	0.01968505
US1KSSG0009_yearlong2013	04/29/2013	00:00:00	0

US1KSSG0009_yearlong2013	04/30/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/02/2013	00:00:00	0.9606304
US1KSSG0009_yearlong2013	05/03/2013	00:00:00	0.1417324
US1KSSG0009_yearlong2013	05/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/05/2013	00:00:00	0.0393701
US1KSSG0009_yearlong2013	05/06/2013	00:00:00	0.01968505
US1KSSG0009_yearlong2013	05/07/2013	00:00:00	0.01181103
US1KSSG0009_yearlong2013	05/08/2013	00:00:00	0.9291344
US1KSSG0009_yearlong2013	05/09/2013	00:00:00	0.3503939
US1KSSG0009_yearlong2013	05/10/2013	00:00:00	0.01181103
US1KSSG0009_yearlong2013	05/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/16/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/17/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/19/2013	00:00:00	0.2086615
US1KSSG0009_yearlong2013	05/20/2013	00:00:00	1.618111
US1KSSG0009_yearlong2013	05/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/24/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/26/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/28/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/29/2013	00:00:00	0
US1KSSG0009_yearlong2013	05/30/2013	00:00:00	2.118111
US1KSSG0009_yearlong2013	05/31/2013	00:00:00	0.5511814
US1KSSG0009_yearlong2013	06/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/02/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/05/2013	00:00:00	0.3307088
US1KSSG0009_yearlong2013	06/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/07/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/08/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/09/2013	00:00:00	0.2086615
US1KSSG0009_yearlong2013	06/10/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/16/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/17/2013	00:00:00	0.8307091
US1KSSG0009_yearlong2013	06/18/2013	00:00:00	0.01968505
US1KSSG0009_yearlong2013	06/19/2013	00:00:00	0.2007875
US1KSSG0009_yearlong2013	06/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/24/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/25/2013	00:00:00	0.1614174
US1KSSG0009_yearlong2013	06/26/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/28/2013	00:00:00	1.350394
US1KSSG0009_yearlong2013	06/29/2013	00:00:00	0
US1KSSG0009_yearlong2013	06/30/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/01/2013	00:00:00	0

US1KSSG0009_yearlong2013	07/02/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/05/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/07/2013	00:00:00	0.1102363
US1KSSG0009_yearlong2013	07/08/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/09/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/10/2013	00:00:00	0.0393701
US1KSSG0009_yearlong2013	07/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/14/2013	00:00:00	0.6692917
US1KSSG0009_yearlong2013	07/15/2013	00:00:00	0.2795277
US1KSSG0009_yearlong2013	07/16/2013	00:00:00	0.2204726
US1KSSG0009_yearlong2013	07/17/2013	00:00:00	0.09055123
US1KSSG0009_yearlong2013	07/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/19/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/21/2013	00:00:00	0.7992131
US1KSSG0009_yearlong2013	07/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/23/2013	00:00:00	0.09842525
US1KSSG0009_yearlong2013	07/24/2013	00:00:00	1.44882
US1KSSG0009_yearlong2013	07/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/26/2013	00:00:00	0.6181106
US1KSSG0009_yearlong2013	07/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	07/28/2013	00:00:00	1.551182
US1KSSG0009_yearlong2013	07/29/2013	00:00:00	0.8503942
US1KSSG0009_yearlong2013	07/30/2013	00:00:00	0.2598427
US1KSSG0009_yearlong2013	07/31/2013	00:00:00	0.01968505
US1KSSG0009_yearlong2013	08/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/02/2013	00:00:00	0.1811025
US1KSSG0009_yearlong2013	08/03/2013	00:00:00	0.4881893
US1KSSG0009_yearlong2013	08/04/2013	00:00:00	2.539371
US1KSSG0009_yearlong2013	08/05/2013	00:00:00	0.5314963
US1KSSG0009_yearlong2013	08/06/2013	00:00:00	0.2598427
US1KSSG0009_yearlong2013	08/07/2013	00:00:00	0.6692917
US1KSSG0009_yearlong2013	08/08/2013	00:00:00	1.37008
US1KSSG0009_yearlong2013	08/09/2013	00:00:00	0.1181103
US1KSSG0009_yearlong2013	08/10/2013	00:00:00	0.0393701
US1KSSG0009_yearlong2013	08/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/12/2013	00:00:00	0.1889765
US1KSSG0009_yearlong2013	08/13/2013	00:00:00	0.4409451
US1KSSG0009_yearlong2013	08/14/2013	00:00:00	0.7519689
US1KSSG0009_yearlong2013	08/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/16/2013	00:00:00	0.5196853
US1KSSG0009_yearlong2013	08/17/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/19/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/24/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/26/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/28/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/29/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/30/2013	00:00:00	0
US1KSSG0009_yearlong2013	08/31/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/02/2013	00:00:00	0

US1KSSG0009_yearlong2013	09/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/05/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/07/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/08/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/09/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/10/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/13/2013	00:00:00	0.05905515
US1KSSG0009_yearlong2013	09/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/15/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/16/2013	00:00:00	0.0393701
US1KSSG0009_yearlong2013	09/17/2013	00:00:00	0.2007875
US1KSSG0009_yearlong2013	09/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/19/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/20/2013	00:00:00	0.7598429
US1KSSG0009_yearlong2013	09/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/24/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/26/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	09/28/2013	00:00:00	0.6299216
US1KSSG0009_yearlong2013	09/29/2013	00:00:00	0.01968505
US1KSSG0009_yearlong2013	09/30/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/01/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/02/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/04/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/05/2013	00:00:00	0.3110238
US1KSSG0009_yearlong2013	10/06/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/07/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/08/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/09/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/10/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/11/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/12/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/13/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/14/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/15/2013	00:00:00	0.6496066
US1KSSG0009_yearlong2013	10/16/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/17/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/18/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/19/2013	00:00:00	0.5000003
US1KSSG0009_yearlong2013	10/20/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/21/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/22/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/23/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/24/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/25/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/26/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/27/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/28/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/29/2013	00:00:00	1.551182
US1KSSG0009_yearlong2013	10/30/2013	00:00:00	0
US1KSSG0009_yearlong2013	10/31/2013	00:00:00	2.850395
US1KSSG0009_yearlong2013	11/01/2013	00:00:00	0.03149608
US1KSSG0009_yearlong2013	11/02/2013	00:00:00	0
US1KSSG0009_yearlong2013	11/03/2013	00:00:00	0
US1KSSG0009_yearlong2013	11/04/2013	00:00:00	0

US1KSSG0020_2010	11/12/2010	00:00:00	0.5314963
US1KSSG0020_2010	11/13/2010	00:00:00	0.6496066
US1KSSG0020_2010	11/14/2010	00:00:00	0
US1KSSG0020_2010	11/15/2010	00:00:00	0
US1KSSG0020_2010	11/16/2010	00:00:00	0
US1KSSG0020_2010	11/17/2010	00:00:00	0
US1KSSG0020_2010	11/18/2010	00:00:00	0.2401576
US1KSSG0020_2010	11/19/2010	00:00:00	0
US1KSSG0020_2010	11/20/2010	00:00:00	0
US1KSSG0020_2010	11/21/2010	00:00:00	0
US1KSSG0020_2010	11/22/2010	00:00:00	0
US1KSSG0020_2010	11/23/2010	00:00:00	0
US1KSSG0020_2010	11/24/2010	00:00:00	0
US1KSSG0020_2010	11/25/2010	00:00:00	0
US1KSSG0020_2010	11/26/2010	00:00:00	0
US1KSSG0020_2010	11/27/2010	00:00:00	0
US1KSSG0020_2010	11/28/2010	00:00:00	0
US1KSSG0020_2010	11/29/2010	00:00:00	0
US1KSSG0020_2010	11/30/2010	00:00:00	0
US1KSSG0020_2010	12/01/2010	00:00:00	0
US1KSSG0020_2010	12/02/2010	00:00:00	0
US1KSSG0020_2010	12/03/2010	00:00:00	0
US1KSSG0020_2010	12/04/2010	00:00:00	0
US1KSSG0020_2010	12/05/2010	00:00:00	0
US1KSSG0020_2010	12/06/2010	00:00:00	0
US1KSSG0020_2010	12/07/2010	00:00:00	0
US1KSSG0020_2010	12/08/2010	00:00:00	0
US1KSSG0020_2010	12/09/2010	00:00:00	0
US1KSSG0020_2010	12/10/2010	00:00:00	0
US1KSSG0020_2010	12/11/2010	00:00:00	0
US1KSSG0020_2010	12/12/2010	00:00:00	0
US1KSSG0020_2010	12/13/2010	00:00:00	0
US1KSSG0020_2010	12/14/2010	00:00:00	0
US1KSSG0020_2010	12/15/2010	00:00:00	0
US1KSSG0020_2010	12/16/2010	00:00:00	0
US1KSSG0020_2010	12/17/2010	00:00:00	0
US1KSSG0020_2010	12/18/2010	00:00:00	0
US1KSSG0020_2010	12/19/2010	00:00:00	0
US1KSSG0020_2010	12/20/2010	00:00:00	0
US1KSSG0020_2010	12/21/2010	00:00:00	0
US1KSSG0020_2010	12/22/2010	00:00:00	0
US1KSSG0020_2010	12/23/2010	00:00:00	0
US1KSSG0020_2010	12/24/2010	00:00:00	0.05905515
US1KSSG0020_2010	12/25/2010	00:00:00	0
US1KSSG0020_2010	12/26/2010	00:00:00	0
US1KSSG0020_2010	12/27/2010	00:00:00	0
US1KSSG0020_2010	12/28/2010	00:00:00	0
US1KSSG0020_2010	12/29/2010	00:00:00	0
US1KSSG0020_2010	12/30/2010	00:00:00	0.01968505
US1KSSG0020_2010	12/31/2010	00:00:00	0.01968505
US1KSSG0020_2010	01/01/2011	00:00:00	0
US1KSSG0020_2010	01/02/2011	00:00:00	0
US1KSSG0020_2010	01/03/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0020_MayJuneJuly2010	05/01/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/02/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/03/2010	00:00:00	0.09842525
US1KSSG0020_MayJuneJuly2010	05/04/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/05/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/06/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/07/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/08/2010	00:00:00	0

US1KSSG0020_MayJuneJuly2010	05/09/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/10/2010	00:00:00	0.0393701
US1KSSG0020_MayJuneJuly2010	05/11/2010	00:00:00	0.7007878
US1KSSG0020_MayJuneJuly2010	05/12/2010	00:00:00	0.05118113
US1KSSG0020_MayJuneJuly2010	05/13/2010	00:00:00	2.641734
US1KSSG0020_MayJuneJuly2010	05/14/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/15/2010	00:00:00	0.1889765
US1KSSG0020_MayJuneJuly2010	05/16/2010	00:00:00	0.03149608
US1KSSG0020_MayJuneJuly2010	05/17/2010	00:00:00	0.07086618
US1KSSG0020_MayJuneJuly2010	05/18/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/19/2010	00:00:00	0.4409451
US1KSSG0020_MayJuneJuly2010	05/20/2010	00:00:00	0.4803152
US1KSSG0020_MayJuneJuly2010	05/21/2010	00:00:00	0.01181103
US1KSSG0020_MayJuneJuly2010	05/22/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/23/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/24/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/25/2010	00:00:00	1.240158
US1KSSG0020_MayJuneJuly2010	05/26/2010	00:00:00	0.2992128
US1KSSG0020_MayJuneJuly2010	05/27/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/28/2010	00:00:00	0.03149608
US1KSSG0020_MayJuneJuly2010	05/29/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/30/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	05/31/2010	00:00:00	1.129922
US1KSSG0020_MayJuneJuly2010	06/01/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/02/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/03/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/04/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/05/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/06/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/07/2010	00:00:00	0.5708665
US1KSSG0020_MayJuneJuly2010	06/08/2010	00:00:00	0.1102363
US1KSSG0020_MayJuneJuly2010	06/09/2010	00:00:00	1.330709
US1KSSG0020_MayJuneJuly2010	06/10/2010	00:00:00	0.2992128
US1KSSG0020_MayJuneJuly2010	06/11/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/12/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/13/2010	00:00:00	1.618111
US1KSSG0020_MayJuneJuly2010	06/14/2010	00:00:00	1.940946
US1KSSG0020_MayJuneJuly2010	06/15/2010	00:00:00	0.0393701
US1KSSG0020_MayJuneJuly2010	06/16/2010	00:00:00	0.01181103
US1KSSG0020_MayJuneJuly2010	06/17/2010	00:00:00	0.01968505
US1KSSG0020_MayJuneJuly2010	06/18/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/19/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/20/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/21/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/22/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/23/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/24/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/25/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/26/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/27/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/28/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/29/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	06/30/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/01/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/02/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/03/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/04/2010	00:00:00	0.5708665
US1KSSG0020_MayJuneJuly2010	07/05/2010	00:00:00	0.8188981
US1KSSG0020_MayJuneJuly2010	07/06/2010	00:00:00	0.3188978
US1KSSG0020_MayJuneJuly2010	07/07/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/08/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/09/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/10/2010	00:00:00	0

US1KSSG0020_MayJuneJuly2010	07/11/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/12/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/13/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/14/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/15/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/16/2010	00:00:00	0.05905515
US1KSSG0020_MayJuneJuly2010	07/17/2010	00:00:00	0.5511814
US1KSSG0020_MayJuneJuly2010	07/18/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/19/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/20/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/21/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/22/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/23/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/24/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/25/2010	00:00:00	0.01968505
US1KSSG0020_MayJuneJuly2010	07/26/2010	00:00:00	0.2007875
US1KSSG0020_MayJuneJuly2010	07/27/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/28/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/29/2010	00:00:00	0
US1KSSG0020_MayJuneJuly2010	07/30/2010	00:00:00	0.0393701
US1KSSG0020_MayJuneJuly2010	07/31/2010	00:00:00	0

;Rainfall (in/day)

US1KSSG0020_septoctnov2013	09/01/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/02/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/03/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/04/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/05/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/06/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/07/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/08/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/09/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/10/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/11/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/12/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/13/2013	00:00:00	0.01968505
US1KSSG0020_septoctnov2013	09/14/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/15/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/16/2013	00:00:00	0.09055123
US1KSSG0020_septoctnov2013	09/17/2013	00:00:00	0.3385829
US1KSSG0020_septoctnov2013	09/18/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/19/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/20/2013	00:00:00	1.311024
US1KSSG0020_septoctnov2013	09/21/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/22/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/23/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/24/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/25/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/26/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/27/2013	00:00:00	0
US1KSSG0020_septoctnov2013	09/28/2013	00:00:00	0.4606302
US1KSSG0020_septoctnov2013	09/29/2013	00:00:00	0.1692914
US1KSSG0020_septoctnov2013	09/30/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/01/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/02/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/03/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/04/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/05/2013	00:00:00	0.4606302
US1KSSG0020_septoctnov2013	10/06/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/07/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/08/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/09/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/10/2013	00:00:00	0

US1KSSG0020_septoctnov2013	10/11/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/12/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/13/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/14/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/15/2013	00:00:00	0.5118113
US1KSSG0020_septoctnov2013	10/16/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/17/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/18/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/19/2013	00:00:00	0.4291341
US1KSSG0020_septoctnov2013	10/20/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/21/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/22/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/23/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/24/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/25/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/26/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/27/2013	00:00:00	0.01181103
US1KSSG0020_septoctnov2013	10/28/2013	00:00:00	0
US1KSSG0020_septoctnov2013	10/29/2013	00:00:00	1.311024
US1KSSG0020_septoctnov2013	10/30/2013	00:00:00	0.05118113
US1KSSG0020_septoctnov2013	10/31/2013	00:00:00	1.90945
US1KSSG0020_septoctnov2013	11/01/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/02/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/03/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/04/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/05/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/06/2013	00:00:00	0.38189
US1KSSG0020_septoctnov2013	11/07/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/08/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/09/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/10/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/11/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/12/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/13/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/14/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/15/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/16/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/17/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/18/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/19/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/20/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/21/2013	00:00:00	0.2204726
US1KSSG0020_septoctnov2013	11/22/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/23/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/24/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/25/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/26/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/27/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/28/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/29/2013	00:00:00	0
US1KSSG0020_septoctnov2013	11/30/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0020_yearlong2010	01/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/03/2010	00:00:00	0.0393701
US1KSSG0020_yearlong2010	01/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/07/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	01/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/09/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/10/2010	00:00:00	0

US1KSSG0020_yearlong2010	01/11/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/16/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/17/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/19/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/21/2010	00:00:00	0.1496064
US1KSSG0020_yearlong2010	01/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/23/2010	00:00:00	0.05118113
US1KSSG0020_yearlong2010	01/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/25/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/26/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	01/29/2010	00:00:00	0.3188978
US1KSSG0020_yearlong2010	01/30/2010	00:00:00	0.07086618
US1KSSG0020_yearlong2010	01/31/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/01/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	02/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/04/2010	00:00:00	0.05118113
US1KSSG0020_yearlong2010	02/05/2010	00:00:00	0.1417324
US1KSSG0020_yearlong2010	02/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/08/2010	00:00:00	0.4803152
US1KSSG0020_yearlong2010	02/09/2010	00:00:00	0.01181103
US1KSSG0020_yearlong2010	02/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/11/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/16/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/17/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/19/2010	00:00:00	0.07086618
US1KSSG0020_yearlong2010	02/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/21/2010	00:00:00	0.5511814
US1KSSG0020_yearlong2010	02/22/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	02/23/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/25/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/26/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	02/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/09/2010	00:00:00	1.311024
US1KSSG0020_yearlong2010	03/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/11/2010	00:00:00	0.1496064
US1KSSG0020_yearlong2010	03/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/14/2010	00:00:00	0

US1KSSG0020_yearlong2010	03/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/16/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/17/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/19/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/20/2010	00:00:00	0.2716537
US1KSSG0020_yearlong2010	03/21/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/23/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/25/2010	00:00:00	0.0787402
US1KSSG0020_yearlong2010	03/26/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/28/2010	00:00:00	0.01181103
US1KSSG0020_yearlong2010	03/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/30/2010	00:00:00	0
US1KSSG0020_yearlong2010	03/31/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/02/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	04/03/2010	00:00:00	0.03149608
US1KSSG0020_yearlong2010	04/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/07/2010	00:00:00	0.07086618
US1KSSG0020_yearlong2010	04/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/09/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/11/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/16/2010	00:00:00	0.01181103
US1KSSG0020_yearlong2010	04/17/2010	00:00:00	0.1417324
US1KSSG0020_yearlong2010	04/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/19/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/21/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/22/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	04/23/2010	00:00:00	0.8582682
US1KSSG0020_yearlong2010	04/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/25/2010	00:00:00	0.05118113
US1KSSG0020_yearlong2010	04/26/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	04/30/2010	00:00:00	0.4291341
US1KSSG0020_yearlong2010	05/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/03/2010	00:00:00	0.09842525
US1KSSG0020_yearlong2010	05/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/09/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/10/2010	00:00:00	0.0393701
US1KSSG0020_yearlong2010	05/11/2010	00:00:00	0.7007878
US1KSSG0020_yearlong2010	05/12/2010	00:00:00	0.05118113
US1KSSG0020_yearlong2010	05/13/2010	00:00:00	2.641734
US1KSSG0020_yearlong2010	05/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/15/2010	00:00:00	0.1889765
US1KSSG0020_yearlong2010	05/16/2010	00:00:00	0.03149608

US1KSSG0020_yearlong2010	05/17/2010	00:00:00	0.07086618
US1KSSG0020_yearlong2010	05/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/19/2010	00:00:00	0.4409451
US1KSSG0020_yearlong2010	05/20/2010	00:00:00	0.4803152
US1KSSG0020_yearlong2010	05/21/2010	00:00:00	0.01181103
US1KSSG0020_yearlong2010	05/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/23/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/25/2010	00:00:00	1.240158
US1KSSG0020_yearlong2010	05/26/2010	00:00:00	0.2992128
US1KSSG0020_yearlong2010	05/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/28/2010	00:00:00	0.03149608
US1KSSG0020_yearlong2010	05/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/30/2010	00:00:00	0
US1KSSG0020_yearlong2010	05/31/2010	00:00:00	1.129922
US1KSSG0020_yearlong2010	06/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/07/2010	00:00:00	0.5708665
US1KSSG0020_yearlong2010	06/08/2010	00:00:00	0.1102363
US1KSSG0020_yearlong2010	06/09/2010	00:00:00	1.330709
US1KSSG0020_yearlong2010	06/10/2010	00:00:00	0.2992128
US1KSSG0020_yearlong2010	06/11/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/13/2010	00:00:00	1.618111
US1KSSG0020_yearlong2010	06/14/2010	00:00:00	1.940946
US1KSSG0020_yearlong2010	06/15/2010	00:00:00	0.0393701
US1KSSG0020_yearlong2010	06/16/2010	00:00:00	0.01181103
US1KSSG0020_yearlong2010	06/17/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	06/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/19/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/21/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/23/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/25/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/26/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	06/30/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/04/2010	00:00:00	0.5708665
US1KSSG0020_yearlong2010	07/05/2010	00:00:00	0.8188981
US1KSSG0020_yearlong2010	07/06/2010	00:00:00	0.3188978
US1KSSG0020_yearlong2010	07/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/09/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/11/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/16/2010	00:00:00	0.05905515
US1KSSG0020_yearlong2010	07/17/2010	00:00:00	0.5511814
US1KSSG0020_yearlong2010	07/18/2010	00:00:00	0

US1KSSG0020_yearlong2010	07/19/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/21/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/23/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/25/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	07/26/2010	00:00:00	0.2007875
US1KSSG0020_yearlong2010	07/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	07/30/2010	00:00:00	0.0393701
US1KSSG0020_yearlong2010	07/31/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/09/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/11/2010	00:00:00	0.6811028
US1KSSG0020_yearlong2010	08/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/15/2010	00:00:00	0.4291341
US1KSSG0020_yearlong2010	08/16/2010	00:00:00	0.2007875
US1KSSG0020_yearlong2010	08/17/2010	00:00:00	1.110237
US1KSSG0020_yearlong2010	08/18/2010	00:00:00	0.07086618
US1KSSG0020_yearlong2010	08/19/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/21/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/23/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/24/2010	00:00:00	2.311025
US1KSSG0020_yearlong2010	08/25/2010	00:00:00	0.1496064
US1KSSG0020_yearlong2010	08/26/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/30/2010	00:00:00	0
US1KSSG0020_yearlong2010	08/31/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/09/2010	00:00:00	0.2598427
US1KSSG0020_yearlong2010	09/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/11/2010	00:00:00	0.1889765
US1KSSG0020_yearlong2010	09/12/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/16/2010	00:00:00	0.9606304
US1KSSG0020_yearlong2010	09/17/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/19/2010	00:00:00	0

US1KSSG0020_yearlong2010	09/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/21/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/23/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/24/2010	00:00:00	0.9015753
US1KSSG0020_yearlong2010	09/25/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/26/2010	00:00:00	0.2992128
US1KSSG0020_yearlong2010	09/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	09/30/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/02/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/09/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/11/2010	00:00:00	0.2283466
US1KSSG0020_yearlong2010	10/12/2010	00:00:00	0.01968505
US1KSSG0020_yearlong2010	10/13/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/16/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/17/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/18/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/19/2010	00:00:00	0.05118113
US1KSSG0020_yearlong2010	10/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/21/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/22/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/23/2010	00:00:00	0.2992128
US1KSSG0020_yearlong2010	10/24/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/25/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/26/2010	00:00:00	0.1102363
US1KSSG0020_yearlong2010	10/27/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/28/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/29/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/30/2010	00:00:00	0
US1KSSG0020_yearlong2010	10/31/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/01/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/02/2010	00:00:00	0.05118113
US1KSSG0020_yearlong2010	11/03/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/04/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/05/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/06/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/07/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/08/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/09/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/10/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/11/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/12/2010	00:00:00	0.5314963
US1KSSG0020_yearlong2010	11/13/2010	00:00:00	0.6496066
US1KSSG0020_yearlong2010	11/14/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/15/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/16/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/17/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/18/2010	00:00:00	0.2401576
US1KSSG0020_yearlong2010	11/19/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/20/2010	00:00:00	0
US1KSSG0020_yearlong2010	11/21/2010	00:00:00	0

US1KSSG0020_yearlong2011	01/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/25/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	01/31/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/01/2011	00:00:00	0.05118113
US1KSSG0020_yearlong2011	02/02/2011	00:00:00	0.07086618
US1KSSG0020_yearlong2011	02/03/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/04/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/08/2011	00:00:00	0.03149608
US1KSSG0020_yearlong2011	02/09/2011	00:00:00	0.389764
US1KSSG0020_yearlong2011	02/10/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/13/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/18/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/24/2011	00:00:00	0.09055123
US1KSSG0020_yearlong2011	02/25/2011	00:00:00	0.07086618
US1KSSG0020_yearlong2011	02/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	02/28/2011	00:00:00	0.6692917
US1KSSG0020_yearlong2011	03/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/03/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/04/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/08/2011	00:00:00	0.5393704
US1KSSG0020_yearlong2011	03/09/2011	00:00:00	0.03149608
US1KSSG0020_yearlong2011	03/10/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/13/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/14/2011	00:00:00	0.1496064
US1KSSG0020_yearlong2011	03/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/18/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/20/2011	00:00:00	0.03149608
US1KSSG0020_yearlong2011	03/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/25/2011	00:00:00	0.05905515

US1KSSG0020_yearlong2011	03/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/27/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	03/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/29/2011	00:00:00	0.01968505
US1KSSG0020_yearlong2011	03/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	03/31/2011	00:00:00	0.01968505
US1KSSG0020_yearlong2011	04/01/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	04/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/03/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/04/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/08/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	04/09/2011	00:00:00	0.01968505
US1KSSG0020_yearlong2011	04/10/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/13/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/16/2011	00:00:00	0.1811025
US1KSSG0020_yearlong2011	04/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/18/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/22/2011	00:00:00	0.0393701
US1KSSG0020_yearlong2011	04/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/25/2011	00:00:00	0.8385831
US1KSSG0020_yearlong2011	04/26/2011	00:00:00	0.1417324
US1KSSG0020_yearlong2011	04/27/2011	00:00:00	0.05118113
US1KSSG0020_yearlong2011	04/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	04/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/03/2011	00:00:00	0.0393701
US1KSSG0020_yearlong2011	05/04/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/08/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/09/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/10/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/12/2011	00:00:00	0.1417324
US1KSSG0020_yearlong2011	05/13/2011	00:00:00	0.1417324
US1KSSG0020_yearlong2011	05/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/18/2011	00:00:00	0.2204726
US1KSSG0020_yearlong2011	05/19/2011	00:00:00	0.409449
US1KSSG0020_yearlong2011	05/20/2011	00:00:00	0.4881893
US1KSSG0020_yearlong2011	05/21/2011	00:00:00	0.6614177
US1KSSG0020_yearlong2011	05/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/25/2011	00:00:00	0.5787405
US1KSSG0020_yearlong2011	05/26/2011	00:00:00	0.3385829
US1KSSG0020_yearlong2011	05/27/2011	00:00:00	0

US1KSSG0020_yearlong2011	05/28/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	05/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	05/31/2011	00:00:00	0.409449
US1KSSG0020_yearlong2011	06/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/03/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/04/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/08/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/09/2011	00:00:00	0.0787402
US1KSSG0020_yearlong2011	06/10/2011	00:00:00	2.389765
US1KSSG0020_yearlong2011	06/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/12/2011	00:00:00	0.2401576
US1KSSG0020_yearlong2011	06/13/2011	00:00:00	0.5393704
US1KSSG0020_yearlong2011	06/14/2011	00:00:00	0.05118113
US1KSSG0020_yearlong2011	06/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/17/2011	00:00:00	0.7007878
US1KSSG0020_yearlong2011	06/18/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/21/2011	00:00:00	0.05118113
US1KSSG0020_yearlong2011	06/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/24/2011	00:00:00	0.0393701
US1KSSG0020_yearlong2011	06/25/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	06/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/03/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	07/04/2011	00:00:00	0.4685042
US1KSSG0020_yearlong2011	07/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/08/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/09/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/10/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/13/2011	00:00:00	0.03149608
US1KSSG0020_yearlong2011	07/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/18/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/25/2011	00:00:00	0.01968505
US1KSSG0020_yearlong2011	07/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	07/29/2011	00:00:00	0

US1KSSG0020_yearlong2011	07/30/2011	00:00:00	0.3110238
US1KSSG0020_yearlong2011	07/31/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/03/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/04/2011	00:00:00	2.011812
US1KSSG0020_yearlong2011	08/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/06/2011	00:00:00	0.6692917
US1KSSG0020_yearlong2011	08/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/08/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/09/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	08/10/2011	00:00:00	0.5708665
US1KSSG0020_yearlong2011	08/11/2011	00:00:00	0.6299216
US1KSSG0020_yearlong2011	08/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/13/2011	00:00:00	0.01968505
US1KSSG0020_yearlong2011	08/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/18/2011	00:00:00	0.1299213
US1KSSG0020_yearlong2011	08/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/23/2011	00:00:00	0.05118113
US1KSSG0020_yearlong2011	08/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/25/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	08/31/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/03/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/04/2011	00:00:00	0.409449
US1KSSG0020_yearlong2011	09/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/08/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/09/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/10/2011	00:00:00	0.1811025
US1KSSG0020_yearlong2011	09/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/13/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/16/2011	00:00:00	0.01968505
US1KSSG0020_yearlong2011	09/17/2011	00:00:00	0.3503939
US1KSSG0020_yearlong2011	09/18/2011	00:00:00	0.3582679
US1KSSG0020_yearlong2011	09/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/25/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	09/30/2011	00:00:00	0

US1KSSG0020_yearlong2011	10/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/03/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/04/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/08/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/09/2011	00:00:00	0.8582682
US1KSSG0020_yearlong2011	10/10/2011	00:00:00	0.8897642
US1KSSG0020_yearlong2011	10/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/13/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/18/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	10/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/25/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/27/2011	00:00:00	0.01968505
US1KSSG0020_yearlong2011	10/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	10/31/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/02/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/03/2011	00:00:00	0.2086615
US1KSSG0020_yearlong2011	11/04/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/06/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/08/2011	00:00:00	2.070867
US1KSSG0020_yearlong2011	11/09/2011	00:00:00	0.38189
US1KSSG0020_yearlong2011	11/10/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/12/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/13/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/14/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/15/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/18/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/20/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/21/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/22/2011	00:00:00	0.2913387
US1KSSG0020_yearlong2011	11/23/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/25/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/26/2011	00:00:00	0.779528
US1KSSG0020_yearlong2011	11/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	11/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/01/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/02/2011	00:00:00	0

US1KSSG0020_yearlong2011	12/03/2011	00:00:00	0.3385829
US1KSSG0020_yearlong2011	12/04/2011	00:00:00	0.38189
US1KSSG0020_yearlong2011	12/05/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/06/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	12/07/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/08/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/09/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/10/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/11/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/12/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	12/13/2011	00:00:00	0.03149608
US1KSSG0020_yearlong2011	12/14/2011	00:00:00	0.4488191
US1KSSG0020_yearlong2011	12/15/2011	00:00:00	0.2204726
US1KSSG0020_yearlong2011	12/16/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/17/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/18/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/19/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/20/2011	00:00:00	2.051182
US1KSSG0020_yearlong2011	12/21/2011	00:00:00	0.0393701
US1KSSG0020_yearlong2011	12/22/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/23/2011	00:00:00	0.01181103
US1KSSG0020_yearlong2011	12/24/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/25/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/26/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/27/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/28/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/29/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/30/2011	00:00:00	0
US1KSSG0020_yearlong2011	12/31/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0020_yearlong2013	01/01/2013	00:00:00	0.1417324
US1KSSG0020_yearlong2013	01/02/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	01/03/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/05/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/07/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/08/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/09/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/10/2013	00:00:00	0.3385829
US1KSSG0020_yearlong2013	01/11/2013	00:00:00	0.09842525
US1KSSG0020_yearlong2013	01/12/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/13/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/16/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/17/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/24/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/26/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/27/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	01/28/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/29/2013	00:00:00	0
US1KSSG0020_yearlong2013	01/30/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	01/31/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/01/2013	00:00:00	0

US1KSSG0020_yearlong2013	02/02/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/03/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/05/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/07/2013	00:00:00	0.1811025
US1KSSG0020_yearlong2013	02/08/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	02/09/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/10/2013	00:00:00	0.05118113
US1KSSG0020_yearlong2013	02/11/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/12/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/13/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/16/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/17/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/21/2013	00:00:00	1.271654
US1KSSG0020_yearlong2013	02/22/2013	00:00:00	0.09842525
US1KSSG0020_yearlong2013	02/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/24/2013	00:00:00	0
US1KSSG0020_yearlong2013	02/25/2013	00:00:00	0.05905515
US1KSSG0020_yearlong2013	02/26/2013	00:00:00	0.5787405
US1KSSG0020_yearlong2013	02/27/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	02/28/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/01/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/02/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/03/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/05/2013	00:00:00	0.03149608
US1KSSG0020_yearlong2013	03/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/07/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/08/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/09/2013	00:00:00	0.3582679
US1KSSG0020_yearlong2013	03/10/2013	00:00:00	0.4803152
US1KSSG0020_yearlong2013	03/11/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/12/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	03/13/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/16/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/17/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/18/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	03/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/24/2013	00:00:00	0.5590554
US1KSSG0020_yearlong2013	03/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/26/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/27/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/28/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/29/2013	00:00:00	0
US1KSSG0020_yearlong2013	03/30/2013	00:00:00	0.4881893
US1KSSG0020_yearlong2013	03/31/2013	00:00:00	0.03149608
US1KSSG0020_yearlong2013	04/01/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/02/2013	00:00:00	0.2519687
US1KSSG0020_yearlong2013	04/03/2013	00:00:00	0.05905515
US1KSSG0020_yearlong2013	04/04/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	04/05/2013	00:00:00	0

US1KSSG0020_yearlong2013	04/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/07/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/08/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/09/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/10/2013	00:00:00	1.090552
US1KSSG0020_yearlong2013	04/11/2013	00:00:00	0.0393701
US1KSSG0020_yearlong2013	04/12/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/13/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/16/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/17/2013	00:00:00	0.01968505
US1KSSG0020_yearlong2013	04/18/2013	00:00:00	0.2401576
US1KSSG0020_yearlong2013	04/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/23/2013	00:00:00	1.208662
US1KSSG0020_yearlong2013	04/24/2013	00:00:00	0.03149608
US1KSSG0020_yearlong2013	04/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/26/2013	00:00:00	0.0393701
US1KSSG0020_yearlong2013	04/27/2013	00:00:00	0.2401576
US1KSSG0020_yearlong2013	04/28/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/29/2013	00:00:00	0
US1KSSG0020_yearlong2013	04/30/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/01/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/02/2013	00:00:00	0.9409454
US1KSSG0020_yearlong2013	05/03/2013	00:00:00	0.09842525
US1KSSG0020_yearlong2013	05/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/05/2013	00:00:00	0.01181103
US1KSSG0020_yearlong2013	05/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/07/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/08/2013	00:00:00	0.4212601
US1KSSG0020_yearlong2013	05/09/2013	00:00:00	0.2795277
US1KSSG0020_yearlong2013	05/10/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/11/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/12/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/13/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/16/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/17/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/19/2013	00:00:00	0.2283466
US1KSSG0020_yearlong2013	05/20/2013	00:00:00	1.240158
US1KSSG0020_yearlong2013	05/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/24/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/26/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/27/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/28/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/29/2013	00:00:00	0
US1KSSG0020_yearlong2013	05/30/2013	00:00:00	1.858269
US1KSSG0020_yearlong2013	05/31/2013	00:00:00	0.791339
US1KSSG0020_yearlong2013	06/01/2013	00:00:00	0.03149608
US1KSSG0020_yearlong2013	06/02/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/03/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/05/2013	00:00:00	0.2795277
US1KSSG0020_yearlong2013	06/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/07/2013	00:00:00	0

US1KSSG0020_yearlong2013	06/08/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/09/2013	00:00:00	0.1889765
US1KSSG0020_yearlong2013	06/10/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/11/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/12/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/13/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/16/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/17/2013	00:00:00	0.4488191
US1KSSG0020_yearlong2013	06/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/19/2013	00:00:00	0.6811028
US1KSSG0020_yearlong2013	06/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/24/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/25/2013	00:00:00	0.1181103
US1KSSG0020_yearlong2013	06/26/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/27/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/28/2013	00:00:00	0.9881895
US1KSSG0020_yearlong2013	06/29/2013	00:00:00	0
US1KSSG0020_yearlong2013	06/30/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/01/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/02/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/03/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/05/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/07/2013	00:00:00	0.0787402
US1KSSG0020_yearlong2013	07/08/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/09/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/10/2013	00:00:00	0.03149608
US1KSSG0020_yearlong2013	07/11/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/12/2013	00:00:00	0.3385829
US1KSSG0020_yearlong2013	07/13/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/14/2013	00:00:00	0.2795277
US1KSSG0020_yearlong2013	07/15/2013	00:00:00	0.2913387
US1KSSG0020_yearlong2013	07/16/2013	00:00:00	0.6614177
US1KSSG0020_yearlong2013	07/17/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/21/2013	00:00:00	0.370079
US1KSSG0020_yearlong2013	07/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/23/2013	00:00:00	0.3110238
US1KSSG0020_yearlong2013	07/24/2013	00:00:00	1.110237
US1KSSG0020_yearlong2013	07/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/26/2013	00:00:00	2.149607
US1KSSG0020_yearlong2013	07/27/2013	00:00:00	0
US1KSSG0020_yearlong2013	07/28/2013	00:00:00	1.330709
US1KSSG0020_yearlong2013	07/29/2013	00:00:00	0.4881893
US1KSSG0020_yearlong2013	07/30/2013	00:00:00	0.0787402
US1KSSG0020_yearlong2013	07/31/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/01/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/02/2013	00:00:00	0.5393704
US1KSSG0020_yearlong2013	08/03/2013	00:00:00	0.7086618
US1KSSG0020_yearlong2013	08/04/2013	00:00:00	2.169292
US1KSSG0020_yearlong2013	08/05/2013	00:00:00	0.7086618
US1KSSG0020_yearlong2013	08/06/2013	00:00:00	0.09055123
US1KSSG0020_yearlong2013	08/07/2013	00:00:00	0.38189
US1KSSG0020_yearlong2013	08/08/2013	00:00:00	1.641733
US1KSSG0020_yearlong2013	08/09/2013	00:00:00	1.011812

US1KSSG0020_yearlong2013	08/10/2013	00:00:00	0.03149608
US1KSSG0020_yearlong2013	08/11/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/12/2013	00:00:00	0.1811025
US1KSSG0020_yearlong2013	08/13/2013	00:00:00	0.6102365
US1KSSG0020_yearlong2013	08/14/2013	00:00:00	0.791339
US1KSSG0020_yearlong2013	08/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/16/2013	00:00:00	0.5393704
US1KSSG0020_yearlong2013	08/17/2013	00:00:00	0.01968505
US1KSSG0020_yearlong2013	08/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/24/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/26/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/27/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/28/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/29/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/30/2013	00:00:00	0
US1KSSG0020_yearlong2013	08/31/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/01/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/02/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/03/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/05/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/07/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/08/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/09/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/10/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/11/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/12/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/13/2013	00:00:00	0.01968505
US1KSSG0020_yearlong2013	09/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/16/2013	00:00:00	0.09055123
US1KSSG0020_yearlong2013	09/17/2013	00:00:00	0.3385829
US1KSSG0020_yearlong2013	09/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/20/2013	00:00:00	1.311024
US1KSSG0020_yearlong2013	09/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/22/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/24/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/26/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/27/2013	00:00:00	0
US1KSSG0020_yearlong2013	09/28/2013	00:00:00	0.4606302
US1KSSG0020_yearlong2013	09/29/2013	00:00:00	0.1692914
US1KSSG0020_yearlong2013	09/30/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/01/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/02/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/03/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/04/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/05/2013	00:00:00	0.4606302
US1KSSG0020_yearlong2013	10/06/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/07/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/08/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/09/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/10/2013	00:00:00	0
US1KSSG0020_yearlong2013	10/11/2013	00:00:00	0

US1KSSG0020_yearlong2013	12/14/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/15/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/16/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/17/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/18/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/19/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/20/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/21/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/22/2013	00:00:00	0.7283468
US1KSSG0020_yearlong2013	12/23/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/24/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/25/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/26/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/27/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/28/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/29/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/30/2013	00:00:00	0
US1KSSG0020_yearlong2013	12/31/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0026_2010	11/08/2010	00:00:00	0
US1KSSG0026_2010	11/09/2010	00:00:00	0
US1KSSG0026_2010	11/10/2010	00:00:00	0
US1KSSG0026_2010	11/11/2010	00:00:00	0
US1KSSG0026_2010	11/12/2010	00:00:00	0.3385829
US1KSSG0026_2010	11/13/2010	00:00:00	0.6102365
US1KSSG0026_2010	11/14/2010	00:00:00	0
US1KSSG0026_2010	11/15/2010	00:00:00	0
US1KSSG0026_2010	11/16/2010	00:00:00	0
US1KSSG0026_2010	11/17/2010	00:00:00	0
US1KSSG0026_2010	11/18/2010	00:00:00	0.2007875
US1KSSG0026_2010	11/19/2010	00:00:00	0
US1KSSG0026_2010	11/20/2010	00:00:00	0
US1KSSG0026_2010	11/21/2010	00:00:00	0
US1KSSG0026_2010	11/22/2010	00:00:00	0
US1KSSG0026_2010	11/23/2010	00:00:00	0
US1KSSG0026_2010	11/24/2010	00:00:00	0
US1KSSG0026_2010	11/25/2010	00:00:00	0
US1KSSG0026_2010	11/26/2010	00:00:00	0
US1KSSG0026_2010	11/27/2010	00:00:00	0
US1KSSG0026_2010	11/28/2010	00:00:00	0
US1KSSG0026_2010	11/29/2010	00:00:00	0
US1KSSG0026_2010	11/30/2010	00:00:00	0
US1KSSG0026_2010	12/01/2010	00:00:00	0
US1KSSG0026_2010	12/02/2010	00:00:00	0
US1KSSG0026_2010	12/03/2010	00:00:00	0
US1KSSG0026_2010	12/04/2010	00:00:00	0
US1KSSG0026_2010	12/05/2010	00:00:00	0
US1KSSG0026_2010	12/06/2010	00:00:00	0
US1KSSG0026_2010	12/07/2010	00:00:00	0
US1KSSG0026_2010	12/08/2010	00:00:00	0
US1KSSG0026_2010	12/09/2010	00:00:00	0
US1KSSG0026_2010	12/10/2010	00:00:00	0
US1KSSG0026_2010	12/11/2010	00:00:00	0
US1KSSG0026_2010	12/12/2010	00:00:00	0
US1KSSG0026_2010	12/13/2010	00:00:00	0
US1KSSG0026_2010	12/14/2010	00:00:00	0
US1KSSG0026_2010	12/15/2010	00:00:00	0
US1KSSG0026_2010	12/16/2010	00:00:00	0
US1KSSG0026_2010	12/17/2010	00:00:00	0
US1KSSG0026_2010	12/18/2010	00:00:00	0
US1KSSG0026_2010	12/19/2010	00:00:00	0
US1KSSG0026_2010	12/20/2010	00:00:00	0

US1KSSG0026_2010	12/21/2010	00:00:00	0
US1KSSG0026_2010	12/22/2010	00:00:00	0
US1KSSG0026_2010	12/23/2010	00:00:00	0.07086618
US1KSSG0026_2010	12/24/2010	00:00:00	0
US1KSSG0026_2010	12/25/2010	00:00:00	0
US1KSSG0026_2010	12/26/2010	00:00:00	0
US1KSSG0026_2010	12/27/2010	00:00:00	0
US1KSSG0026_2010	12/28/2010	00:00:00	0
US1KSSG0026_2010	12/29/2010	00:00:00	0
US1KSSG0026_2010	12/30/2010	00:00:00	0
US1KSSG0026_2010	12/31/2010	00:00:00	0

;Rainfall (in/day)

US1KSSG0026_MayJuneJuly2010	05/01/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/02/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/03/2010	00:00:00	0.07086618
US1KSSG0026_MayJuneJuly2010	05/04/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/05/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/06/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/07/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/08/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/09/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/10/2010	00:00:00	0.03149608
US1KSSG0026_MayJuneJuly2010	05/11/2010	00:00:00	1.169292
US1KSSG0026_MayJuneJuly2010	05/12/2010	00:00:00	0.03149608
US1KSSG0026_MayJuneJuly2010	05/13/2010	00:00:00	2.259844
US1KSSG0026_MayJuneJuly2010	05/14/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/15/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/16/2010	00:00:00	0.1299213
US1KSSG0026_MayJuneJuly2010	05/17/2010	00:00:00	0.1181103
US1KSSG0026_MayJuneJuly2010	05/18/2010	00:00:00	0.01181103
US1KSSG0026_MayJuneJuly2010	05/19/2010	00:00:00	0.4488191
US1KSSG0026_MayJuneJuly2010	05/20/2010	00:00:00	0.7086618
US1KSSG0026_MayJuneJuly2010	05/21/2010	00:00:00	0.01181103
US1KSSG0026_MayJuneJuly2010	05/22/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/23/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/24/2010	00:00:00	0.779528
US1KSSG0026_MayJuneJuly2010	05/25/2010	00:00:00	0.05905515
US1KSSG0026_MayJuneJuly2010	05/26/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/27/2010	00:00:00	0.409449
US1KSSG0026_MayJuneJuly2010	05/28/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/29/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/30/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	05/31/2010	00:00:00	0.09055123
US1KSSG0026_MayJuneJuly2010	06/01/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/02/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/03/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/04/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/05/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/06/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/07/2010	00:00:00	0.5393704
US1KSSG0026_MayJuneJuly2010	06/08/2010	00:00:00	0.1811025
US1KSSG0026_MayJuneJuly2010	06/09/2010	00:00:00	2.37008
US1KSSG0026_MayJuneJuly2010	06/10/2010	00:00:00	0.0393701
US1KSSG0026_MayJuneJuly2010	06/11/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/12/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/13/2010	00:00:00	1.700788
US1KSSG0026_MayJuneJuly2010	06/14/2010	00:00:00	2.200788
US1KSSG0026_MayJuneJuly2010	06/15/2010	00:00:00	0.01968505
US1KSSG0026_MayJuneJuly2010	06/16/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/17/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/18/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/19/2010	00:00:00	0

US1KSSG0026_MayJuneJuly2010	06/20/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/21/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/22/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/23/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/24/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/25/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/26/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/27/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/28/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/29/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	06/30/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/01/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/02/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/03/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/04/2010	00:00:00	0.6417326
US1KSSG0026_MayJuneJuly2010	07/05/2010	00:00:00	1.129922
US1KSSG0026_MayJuneJuly2010	07/06/2010	00:00:00	0.3188978
US1KSSG0026_MayJuneJuly2010	07/07/2010	00:00:00	0.01181103
US1KSSG0026_MayJuneJuly2010	07/08/2010	00:00:00	0.05118113
US1KSSG0026_MayJuneJuly2010	07/09/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/10/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/11/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/12/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/13/2010	00:00:00	0.1299213
US1KSSG0026_MayJuneJuly2010	07/14/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/15/2010	00:00:00	0.03149608
US1KSSG0026_MayJuneJuly2010	07/16/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/17/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/18/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/19/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/20/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/21/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/22/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/23/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/24/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/25/2010	00:00:00	0.1692914
US1KSSG0026_MayJuneJuly2010	07/26/2010	00:00:00	0.1299213
US1KSSG0026_MayJuneJuly2010	07/27/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/28/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/29/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/30/2010	00:00:00	0
US1KSSG0026_MayJuneJuly2010	07/31/2010	00:00:00	0

;Rainfall (in/day)

US1KSSG0026_septoctnov2013	09/01/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/02/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/03/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/04/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/05/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/06/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/07/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/08/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/09/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/10/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/11/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/12/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/13/2013	00:00:00	0.05118113
US1KSSG0026_septoctnov2013	09/14/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/15/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/16/2013	00:00:00	0.1889765
US1KSSG0026_septoctnov2013	09/17/2013	00:00:00	0.2283466
US1KSSG0026_septoctnov2013	09/18/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/19/2013	00:00:00	0

US1KSSG0026_septoctnov2013	09/20/2013	00:00:00	0.5590554
US1KSSG0026_septoctnov2013	09/21/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/22/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/23/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/24/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/25/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/26/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/27/2013	00:00:00	0
US1KSSG0026_septoctnov2013	09/28/2013	00:00:00	0.6811028
US1KSSG0026_septoctnov2013	09/29/2013	00:00:00	0.03149608
US1KSSG0026_septoctnov2013	09/30/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/01/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/02/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/03/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/04/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/05/2013	00:00:00	0.389764
US1KSSG0026_septoctnov2013	10/06/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/07/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/08/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/09/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/10/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/11/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/12/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/13/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/14/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/15/2013	00:00:00	0.4685042
US1KSSG0026_septoctnov2013	10/16/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/17/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/18/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/19/2013	00:00:00	0.401575
US1KSSG0026_septoctnov2013	10/20/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/21/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/22/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/23/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/24/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/25/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/26/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/27/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/28/2013	00:00:00	0
US1KSSG0026_septoctnov2013	10/29/2013	00:00:00	1.429135
US1KSSG0026_septoctnov2013	10/30/2013	00:00:00	0.0393701
US1KSSG0026_septoctnov2013	10/31/2013	00:00:00	2.149607
US1KSSG0026_septoctnov2013	11/01/2013	00:00:00	0.3582679
US1KSSG0026_septoctnov2013	11/02/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/03/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/04/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/05/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/06/2013	00:00:00	0.4803152
US1KSSG0026_septoctnov2013	11/07/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/08/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/09/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/10/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/11/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/12/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/13/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/14/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/15/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/16/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/17/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/18/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/19/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/20/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/21/2013	00:00:00	0.2716537

US1KSSG0026_septoctnov2013	11/22/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/23/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/24/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/25/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/26/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/27/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/28/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/29/2013	00:00:00	0
US1KSSG0026_septoctnov2013	11/30/2013	00:00:00	0
;Rainfall (in/day)			
US1KSSG0026_yearlong2010	01/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/03/2010	00:00:00	0.09055123
US1KSSG0026_yearlong2010	01/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/07/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/08/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/09/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/10/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/11/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/13/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/14/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/15/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/16/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/17/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/19/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/21/2010	00:00:00	0.03149608
US1KSSG0026_yearlong2010	01/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/23/2010	00:00:00	0.0393701
US1KSSG0026_yearlong2010	01/24/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/25/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/26/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	01/29/2010	00:00:00	0.401575
US1KSSG0026_yearlong2010	01/30/2010	00:00:00	0.1496064
US1KSSG0026_yearlong2010	01/31/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/03/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/04/2010	00:00:00	0.07086618
US1KSSG0026_yearlong2010	02/05/2010	00:00:00	0.1299213
US1KSSG0026_yearlong2010	02/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/07/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/08/2010	00:00:00	0.7598429
US1KSSG0026_yearlong2010	02/09/2010	00:00:00	0.05118113
US1KSSG0026_yearlong2010	02/10/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/11/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/13/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/14/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/15/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/16/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/17/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/19/2010	00:00:00	0.1102363
US1KSSG0026_yearlong2010	02/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/21/2010	00:00:00	0.6102365

US1KSSG0026_yearlong2010	02/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/23/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/24/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/25/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/26/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	02/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/03/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/07/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/08/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/09/2010	00:00:00	1.519686
US1KSSG0026_yearlong2010	03/10/2010	00:00:00	0.01968505
US1KSSG0026_yearlong2010	03/11/2010	00:00:00	0.5196853
US1KSSG0026_yearlong2010	03/12/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	03/13/2010	00:00:00	0.03149608
US1KSSG0026_yearlong2010	03/14/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	03/15/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/16/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/17/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/19/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/20/2010	00:00:00	0.370079
US1KSSG0026_yearlong2010	03/21/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/23/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/24/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	03/25/2010	00:00:00	0.01968505
US1KSSG0026_yearlong2010	03/26/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/29/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/30/2010	00:00:00	0
US1KSSG0026_yearlong2010	03/31/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/02/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	04/03/2010	00:00:00	0.05905515
US1KSSG0026_yearlong2010	04/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/07/2010	00:00:00	0.9409454
US1KSSG0026_yearlong2010	04/08/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	04/09/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/10/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/11/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/13/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/14/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/15/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/16/2010	00:00:00	0.05118113
US1KSSG0026_yearlong2010	04/17/2010	00:00:00	0.09842525
US1KSSG0026_yearlong2010	04/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/19/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/21/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/22/2010	00:00:00	0.0393701
US1KSSG0026_yearlong2010	04/23/2010	00:00:00	0.5708665
US1KSSG0026_yearlong2010	04/24/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/25/2010	00:00:00	0.0393701

US1KSSG0026_yearlong2010	04/26/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/29/2010	00:00:00	0
US1KSSG0026_yearlong2010	04/30/2010	00:00:00	0.5000003
US1KSSG0026_yearlong2010	05/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/03/2010	00:00:00	0.07086618
US1KSSG0026_yearlong2010	05/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/07/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/08/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/09/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/10/2010	00:00:00	0.03149608
US1KSSG0026_yearlong2010	05/11/2010	00:00:00	1.169292
US1KSSG0026_yearlong2010	05/12/2010	00:00:00	0.03149608
US1KSSG0026_yearlong2010	05/13/2010	00:00:00	2.259844
US1KSSG0026_yearlong2010	05/14/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/15/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/16/2010	00:00:00	0.1299213
US1KSSG0026_yearlong2010	05/17/2010	00:00:00	0.1181103
US1KSSG0026_yearlong2010	05/18/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	05/19/2010	00:00:00	0.4488191
US1KSSG0026_yearlong2010	05/20/2010	00:00:00	0.7086618
US1KSSG0026_yearlong2010	05/21/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	05/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/23/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/24/2010	00:00:00	0.779528
US1KSSG0026_yearlong2010	05/25/2010	00:00:00	0.05905515
US1KSSG0026_yearlong2010	05/26/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/27/2010	00:00:00	0.409449
US1KSSG0026_yearlong2010	05/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/29/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/30/2010	00:00:00	0
US1KSSG0026_yearlong2010	05/31/2010	00:00:00	0.09055123
US1KSSG0026_yearlong2010	06/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/03/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/07/2010	00:00:00	0.5393704
US1KSSG0026_yearlong2010	06/08/2010	00:00:00	0.1811025
US1KSSG0026_yearlong2010	06/09/2010	00:00:00	2.37008
US1KSSG0026_yearlong2010	06/10/2010	00:00:00	0.0393701
US1KSSG0026_yearlong2010	06/11/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/13/2010	00:00:00	1.700788
US1KSSG0026_yearlong2010	06/14/2010	00:00:00	2.200788
US1KSSG0026_yearlong2010	06/15/2010	00:00:00	0.01968505
US1KSSG0026_yearlong2010	06/16/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/17/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/19/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/21/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/23/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/24/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/25/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/26/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/27/2010	00:00:00	0

US1KSSG0026_yearlong2010	06/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/29/2010	00:00:00	0
US1KSSG0026_yearlong2010	06/30/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/03/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/04/2010	00:00:00	0.6417326
US1KSSG0026_yearlong2010	07/05/2010	00:00:00	1.129922
US1KSSG0026_yearlong2010	07/06/2010	00:00:00	0.3188978
US1KSSG0026_yearlong2010	07/07/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	07/08/2010	00:00:00	0.05118113
US1KSSG0026_yearlong2010	07/09/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/10/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/11/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/13/2010	00:00:00	0.1299213
US1KSSG0026_yearlong2010	07/14/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/15/2010	00:00:00	0.03149608
US1KSSG0026_yearlong2010	07/16/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/17/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/19/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/21/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/23/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/24/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/25/2010	00:00:00	0.1692914
US1KSSG0026_yearlong2010	07/26/2010	00:00:00	0.1299213
US1KSSG0026_yearlong2010	07/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/29/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/30/2010	00:00:00	0
US1KSSG0026_yearlong2010	07/31/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/03/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/07/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/08/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/09/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/10/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/11/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/13/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/14/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/15/2010	00:00:00	0.05118113
US1KSSG0026_yearlong2010	08/16/2010	00:00:00	0.7519689
US1KSSG0026_yearlong2010	08/17/2010	00:00:00	1.000001
US1KSSG0026_yearlong2010	08/18/2010	00:00:00	0.05118113
US1KSSG0026_yearlong2010	08/19/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/21/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/23/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/24/2010	00:00:00	0.5984255
US1KSSG0026_yearlong2010	08/25/2010	00:00:00	0.3188978
US1KSSG0026_yearlong2010	08/26/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/29/2010	00:00:00	0

US1KSSG0026_yearlong2010	08/30/2010	00:00:00	0
US1KSSG0026_yearlong2010	08/31/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/02/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	09/03/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/07/2010	00:00:00	0.01968505
US1KSSG0026_yearlong2010	09/08/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/09/2010	00:00:00	0.3307088
US1KSSG0026_yearlong2010	09/10/2010	00:00:00	0.01968505
US1KSSG0026_yearlong2010	09/11/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/13/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/14/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	09/15/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/16/2010	00:00:00	0.1692914
US1KSSG0026_yearlong2010	09/17/2010	00:00:00	0.01181103
US1KSSG0026_yearlong2010	09/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/19/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/21/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/23/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/24/2010	00:00:00	0.9212604
US1KSSG0026_yearlong2010	09/25/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/26/2010	00:00:00	0.2795277
US1KSSG0026_yearlong2010	09/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/29/2010	00:00:00	0
US1KSSG0026_yearlong2010	09/30/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/01/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/02/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/03/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/04/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/05/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/06/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/07/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/08/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/09/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/10/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/11/2010	00:00:00	0.1811025
US1KSSG0026_yearlong2010	10/12/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/13/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/14/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/15/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/16/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/17/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/18/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/19/2010	00:00:00	0.05118113
US1KSSG0026_yearlong2010	10/20/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/21/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/22/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/23/2010	00:00:00	0.1496064
US1KSSG0026_yearlong2010	10/24/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/25/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/26/2010	00:00:00	0.1181103
US1KSSG0026_yearlong2010	10/27/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/28/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/29/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/30/2010	00:00:00	0
US1KSSG0026_yearlong2010	10/31/2010	00:00:00	0

US1KSSG0026_yearlong2011	01/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/04/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/08/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/09/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/10/2011	00:00:00	0.2519687
US1KSSG0026_yearlong2011	01/11/2011	00:00:00	0.0787402
US1KSSG0026_yearlong2011	01/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/20/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	01/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/25/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	01/31/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/01/2011	00:00:00	0.07086618
US1KSSG0026_yearlong2011	02/02/2011	00:00:00	0.3188978
US1KSSG0026_yearlong2011	02/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/04/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/08/2011	00:00:00	0.0393701
US1KSSG0026_yearlong2011	02/09/2011	00:00:00	0.7007878
US1KSSG0026_yearlong2011	02/10/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/11/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/24/2011	00:00:00	0.1102363
US1KSSG0026_yearlong2011	02/25/2011	00:00:00	0.1299213
US1KSSG0026_yearlong2011	02/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	02/27/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	02/28/2011	00:00:00	1.188977
US1KSSG0026_yearlong2011	03/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/04/2011	00:00:00	0

US1KSSG0026_yearlong2011	03/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/08/2011	00:00:00	0.5118113
US1KSSG0026_yearlong2011	03/09/2011	00:00:00	0.09055123
US1KSSG0026_yearlong2011	03/10/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/11/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/14/2011	00:00:00	0.1417324
US1KSSG0026_yearlong2011	03/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/20/2011	00:00:00	0.05118113
US1KSSG0026_yearlong2011	03/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/25/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	03/26/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	03/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/29/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	03/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	03/31/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	04/01/2011	00:00:00	0.03149608
US1KSSG0026_yearlong2011	04/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/04/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	04/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/08/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/09/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/10/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/11/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/16/2011	00:00:00	0.2086615
US1KSSG0026_yearlong2011	04/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/22/2011	00:00:00	0.03149608
US1KSSG0026_yearlong2011	04/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/25/2011	00:00:00	0.4803152
US1KSSG0026_yearlong2011	04/26/2011	00:00:00	0.1811025
US1KSSG0026_yearlong2011	04/27/2011	00:00:00	0.07086618
US1KSSG0026_yearlong2011	04/28/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	04/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	04/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/04/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/06/2011	00:00:00	0

US1KSSG0026_yearlong2011	05/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/08/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/09/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/10/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/11/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/12/2011	00:00:00	0.1496064
US1KSSG0026_yearlong2011	05/13/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	05/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/18/2011	00:00:00	0.2992128
US1KSSG0026_yearlong2011	05/19/2011	00:00:00	0.6496066
US1KSSG0026_yearlong2011	05/20/2011	00:00:00	1.039371
US1KSSG0026_yearlong2011	05/21/2011	00:00:00	0.05118113
US1KSSG0026_yearlong2011	05/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/25/2011	00:00:00	0.4606302
US1KSSG0026_yearlong2011	05/26/2011	00:00:00	0.2401576
US1KSSG0026_yearlong2011	05/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/28/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	05/29/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	05/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	05/31/2011	00:00:00	0.5118113
US1KSSG0026_yearlong2011	06/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/04/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/08/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/09/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/10/2011	00:00:00	0.9881895
US1KSSG0026_yearlong2011	06/11/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/12/2011	00:00:00	0.4685042
US1KSSG0026_yearlong2011	06/13/2011	00:00:00	0.1181103
US1KSSG0026_yearlong2011	06/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/17/2011	00:00:00	1.578741
US1KSSG0026_yearlong2011	06/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/21/2011	00:00:00	0.7598429
US1KSSG0026_yearlong2011	06/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/24/2011	00:00:00	0.07086618
US1KSSG0026_yearlong2011	06/25/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	06/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/04/2011	00:00:00	0.6102365
US1KSSG0026_yearlong2011	07/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/08/2011	00:00:00	0

US1KSSG0026_yearlong2011	07/09/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/10/2011	00:00:00	0.1496064
US1KSSG0026_yearlong2011	07/11/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/13/2011	00:00:00	0.8385831
US1KSSG0026_yearlong2011	07/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/25/2011	00:00:00	0.1102363
US1KSSG0026_yearlong2011	07/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	07/30/2011	00:00:00	0.1299213
US1KSSG0026_yearlong2011	07/31/2011	00:00:00	0.05118113
US1KSSG0026_yearlong2011	08/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/04/2011	00:00:00	2.000001
US1KSSG0026_yearlong2011	08/05/2011	00:00:00	0.1614174
US1KSSG0026_yearlong2011	08/06/2011	00:00:00	0.03149608
US1KSSG0026_yearlong2011	08/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/08/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	08/09/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/10/2011	00:00:00	0.2283466
US1KSSG0026_yearlong2011	08/11/2011	00:00:00	0.5000003
US1KSSG0026_yearlong2011	08/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/23/2011	00:00:00	0.0393701
US1KSSG0026_yearlong2011	08/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/25/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	08/31/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/04/2011	00:00:00	0.4488191
US1KSSG0026_yearlong2011	09/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/08/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/09/2011	00:00:00	0

US1KSSG0026_yearlong2011	09/10/2011	00:00:00	0.3110238
US1KSSG0026_yearlong2011	09/11/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	09/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/16/2011	00:00:00	0.03149608
US1KSSG0026_yearlong2011	09/17/2011	00:00:00	0.3188978
US1KSSG0026_yearlong2011	09/18/2011	00:00:00	0.4606302
US1KSSG0026_yearlong2011	09/19/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	09/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/22/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	09/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/25/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	09/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/03/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/04/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/08/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/09/2011	00:00:00	0.9015753
US1KSSG0026_yearlong2011	10/10/2011	00:00:00	0.9803155
US1KSSG0026_yearlong2011	10/11/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	10/12/2011	00:00:00	0.03149608
US1KSSG0026_yearlong2011	10/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/18/2011	00:00:00	0.0393701
US1KSSG0026_yearlong2011	10/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/25/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/27/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	10/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	10/31/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/03/2011	00:00:00	0.2007875
US1KSSG0026_yearlong2011	11/04/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/06/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/08/2011	00:00:00	2.070867
US1KSSG0026_yearlong2011	11/09/2011	00:00:00	0.370079
US1KSSG0026_yearlong2011	11/10/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/11/2011	00:00:00	0

US1KSSG0026_yearlong2011	11/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/13/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/14/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/15/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/20/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/21/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/22/2011	00:00:00	0.2401576
US1KSSG0026_yearlong2011	11/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/25/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/26/2011	00:00:00	0.8897642
US1KSSG0026_yearlong2011	11/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	11/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/01/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/02/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/03/2011	00:00:00	0.1889765
US1KSSG0026_yearlong2011	12/04/2011	00:00:00	0.5314963
US1KSSG0026_yearlong2011	12/05/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/06/2011	00:00:00	0.01181103
US1KSSG0026_yearlong2011	12/07/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/08/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/09/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/10/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/11/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/12/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/13/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	12/14/2011	00:00:00	0.5905515
US1KSSG0026_yearlong2011	12/15/2011	00:00:00	0.2519687
US1KSSG0026_yearlong2011	12/16/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/17/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/18/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/19/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/20/2011	00:00:00	2.011812
US1KSSG0026_yearlong2011	12/21/2011	00:00:00	0.01968505
US1KSSG0026_yearlong2011	12/22/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/23/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/24/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/25/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/26/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/27/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/28/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/29/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/30/2011	00:00:00	0
US1KSSG0026_yearlong2011	12/31/2011	00:00:00	0
;Rainfall (in/day)			
US1KSSG0026_yearlong2013	01/01/2013	00:00:00	0.1614174
US1KSSG0026_yearlong2013	01/02/2013	00:00:00	0.01181103
US1KSSG0026_yearlong2013	01/03/2013	00:00:00	0
US1KSSG0026_yearlong2013	01/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	01/05/2013	00:00:00	0
US1KSSG0026_yearlong2013	01/06/2013	00:00:00	0
US1KSSG0026_yearlong2013	01/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	01/08/2013	00:00:00	0
US1KSSG0026_yearlong2013	01/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	01/10/2013	00:00:00	0.2913387
US1KSSG0026_yearlong2013	01/11/2013	00:00:00	0.0393701

US1KSSG0026_yearlong2013	03/16/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/17/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/19/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/24/2013	00:00:00	0.38189
US1KSSG0026_yearlong2013	03/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/28/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/29/2013	00:00:00	0
US1KSSG0026_yearlong2013	03/30/2013	00:00:00	0.4409451
US1KSSG0026_yearlong2013	03/31/2013	00:00:00	0.05118113
US1KSSG0026_yearlong2013	04/01/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/02/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/03/2013	00:00:00	0.2007875
US1KSSG0026_yearlong2013	04/04/2013	00:00:00	0.01181103
US1KSSG0026_yearlong2013	04/05/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/06/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/08/2013	00:00:00	0.01181103
US1KSSG0026_yearlong2013	04/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/10/2013	00:00:00	1.141733
US1KSSG0026_yearlong2013	04/11/2013	00:00:00	0.38189
US1KSSG0026_yearlong2013	04/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/13/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/14/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/15/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/16/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/17/2013	00:00:00	0.01968505
US1KSSG0026_yearlong2013	04/18/2013	00:00:00	0.38189
US1KSSG0026_yearlong2013	04/19/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/23/2013	00:00:00	1.279528
US1KSSG0026_yearlong2013	04/24/2013	00:00:00	0.03149608
US1KSSG0026_yearlong2013	04/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/26/2013	00:00:00	0.1181103
US1KSSG0026_yearlong2013	04/27/2013	00:00:00	0.2598427
US1KSSG0026_yearlong2013	04/28/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/29/2013	00:00:00	0
US1KSSG0026_yearlong2013	04/30/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/01/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/02/2013	00:00:00	1.051182
US1KSSG0026_yearlong2013	05/03/2013	00:00:00	0.1102363
US1KSSG0026_yearlong2013	05/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/05/2013	00:00:00	0.03149608
US1KSSG0026_yearlong2013	05/06/2013	00:00:00	0.01181103
US1KSSG0026_yearlong2013	05/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/08/2013	00:00:00	0.8385831
US1KSSG0026_yearlong2013	05/09/2013	00:00:00	0.2204726
US1KSSG0026_yearlong2013	05/10/2013	00:00:00	0.01181103
US1KSSG0026_yearlong2013	05/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/13/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/14/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/15/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/16/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/17/2013	00:00:00	0

US1KSSG0026_yearlong2013	05/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/19/2013	00:00:00	0.2204726
US1KSSG0026_yearlong2013	05/20/2013	00:00:00	1.751969
US1KSSG0026_yearlong2013	05/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/24/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/28/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/29/2013	00:00:00	0
US1KSSG0026_yearlong2013	05/30/2013	00:00:00	1.98819
US1KSSG0026_yearlong2013	05/31/2013	00:00:00	0.5708665
US1KSSG0026_yearlong2013	06/01/2013	00:00:00	0.03149608
US1KSSG0026_yearlong2013	06/02/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/03/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/05/2013	00:00:00	0.2716537
US1KSSG0026_yearlong2013	06/06/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/08/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/10/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/13/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/14/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/15/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/16/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/17/2013	00:00:00	0.9015753
US1KSSG0026_yearlong2013	06/18/2013	00:00:00	0.01181103
US1KSSG0026_yearlong2013	06/19/2013	00:00:00	0.2007875
US1KSSG0026_yearlong2013	06/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/24/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/25/2013	00:00:00	0.1102363
US1KSSG0026_yearlong2013	06/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/28/2013	00:00:00	0.7204728
US1KSSG0026_yearlong2013	06/29/2013	00:00:00	0
US1KSSG0026_yearlong2013	06/30/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/01/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/02/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/03/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/05/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/06/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/07/2013	00:00:00	0.1496064
US1KSSG0026_yearlong2013	07/08/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/10/2013	00:00:00	0.0393701
US1KSSG0026_yearlong2013	07/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/13/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/14/2013	00:00:00	1.031497
US1KSSG0026_yearlong2013	07/15/2013	00:00:00	0.6692917
US1KSSG0026_yearlong2013	07/16/2013	00:00:00	0.3385829
US1KSSG0026_yearlong2013	07/17/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/19/2013	00:00:00	0

US1KSSG0026_yearlong2013	07/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/21/2013	00:00:00	1.468505
US1KSSG0026_yearlong2013	07/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/23/2013	00:00:00	0.1299213
US1KSSG0026_yearlong2013	07/24/2013	00:00:00	1.090552
US1KSSG0026_yearlong2013	07/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/26/2013	00:00:00	0.5511814
US1KSSG0026_yearlong2013	07/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	07/28/2013	00:00:00	1.531497
US1KSSG0026_yearlong2013	07/29/2013	00:00:00	1.019686
US1KSSG0026_yearlong2013	07/30/2013	00:00:00	0.370079
US1KSSG0026_yearlong2013	07/31/2013	00:00:00	0.01968505
US1KSSG0026_yearlong2013	08/01/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/02/2013	00:00:00	0.3307088
US1KSSG0026_yearlong2013	08/03/2013	00:00:00	0.5196853
US1KSSG0026_yearlong2013	08/04/2013	00:00:00	1.649607
US1KSSG0026_yearlong2013	08/05/2013	00:00:00	1.350394
US1KSSG0026_yearlong2013	08/06/2013	00:00:00	0.6417326
US1KSSG0026_yearlong2013	08/07/2013	00:00:00	1.000001
US1KSSG0026_yearlong2013	08/08/2013	00:00:00	1.200788
US1KSSG0026_yearlong2013	08/09/2013	00:00:00	0.1299213
US1KSSG0026_yearlong2013	08/10/2013	00:00:00	0.05905515
US1KSSG0026_yearlong2013	08/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/12/2013	00:00:00	0.0787402
US1KSSG0026_yearlong2013	08/13/2013	00:00:00	0.7992131
US1KSSG0026_yearlong2013	08/14/2013	00:00:00	0.9291344
US1KSSG0026_yearlong2013	08/15/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/16/2013	00:00:00	0.6614177
US1KSSG0026_yearlong2013	08/17/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/19/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/24/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/28/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/29/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/30/2013	00:00:00	0
US1KSSG0026_yearlong2013	08/31/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/01/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/02/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/03/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/05/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/06/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/08/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/10/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/13/2013	00:00:00	0.05118113
US1KSSG0026_yearlong2013	09/14/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/15/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/16/2013	00:00:00	0.1889765
US1KSSG0026_yearlong2013	09/17/2013	00:00:00	0.2283466
US1KSSG0026_yearlong2013	09/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/19/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/20/2013	00:00:00	0.5590554

US1KSSG0026_yearlong2013	09/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/24/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	09/28/2013	00:00:00	0.6811028
US1KSSG0026_yearlong2013	09/29/2013	00:00:00	0.03149608
US1KSSG0026_yearlong2013	09/30/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/01/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/02/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/03/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/05/2013	00:00:00	0.389764
US1KSSG0026_yearlong2013	10/06/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/08/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/10/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/13/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/14/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/15/2013	00:00:00	0.4685042
US1KSSG0026_yearlong2013	10/16/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/17/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/19/2013	00:00:00	0.401575
US1KSSG0026_yearlong2013	10/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/22/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/24/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/28/2013	00:00:00	0
US1KSSG0026_yearlong2013	10/29/2013	00:00:00	1.429135
US1KSSG0026_yearlong2013	10/30/2013	00:00:00	0.0393701
US1KSSG0026_yearlong2013	10/31/2013	00:00:00	2.149607
US1KSSG0026_yearlong2013	11/01/2013	00:00:00	0.3582679
US1KSSG0026_yearlong2013	11/02/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/03/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/05/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/06/2013	00:00:00	0.4803152
US1KSSG0026_yearlong2013	11/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/08/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/10/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/13/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/14/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/15/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/16/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/17/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/19/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/21/2013	00:00:00	0.2716537
US1KSSG0026_yearlong2013	11/22/2013	00:00:00	0

US1KSSG0026_yearlong2013	11/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/24/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/28/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/29/2013	00:00:00	0
US1KSSG0026_yearlong2013	11/30/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/01/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/02/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/03/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/04/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/05/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/06/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/07/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/08/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/09/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/10/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/11/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/12/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/13/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/14/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/15/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/16/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/17/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/18/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/19/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/20/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/21/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/22/2013	00:00:00	0.2204726
US1KSSG0026_yearlong2013	12/23/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/24/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/25/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/26/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/27/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/28/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/29/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/30/2013	00:00:00	0
US1KSSG0026_yearlong2013	12/31/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0064_2010	11/08/2010	00:00:00	0
US1KSSG0064_2010	11/09/2010	00:00:00	0
US1KSSG0064_2010	11/10/2010	00:00:00	0
US1KSSG0064_2010	11/11/2010	00:00:00	0
US1KSSG0064_2010	11/12/2010	00:00:00	0.3110238
US1KSSG0064_2010	11/13/2010	00:00:00	0.401575
US1KSSG0064_2010	11/14/2010	00:00:00	0
US1KSSG0064_2010	11/15/2010	00:00:00	0
US1KSSG0064_2010	11/16/2010	00:00:00	0
US1KSSG0064_2010	11/17/2010	00:00:00	0
US1KSSG0064_2010	11/18/2010	00:00:00	0.1692914
US1KSSG0064_2010	11/19/2010	00:00:00	0
US1KSSG0064_2010	11/20/2010	00:00:00	0
US1KSSG0064_2010	11/21/2010	00:00:00	0
US1KSSG0064_2010	11/22/2010	00:00:00	0
US1KSSG0064_2010	11/23/2010	00:00:00	0
US1KSSG0064_2010	11/24/2010	00:00:00	0
US1KSSG0064_2010	11/25/2010	00:00:00	0
US1KSSG0064_2010	11/26/2010	00:00:00	0
US1KSSG0064_2010	11/27/2010	00:00:00	0
US1KSSG0064_2010	11/28/2010	00:00:00	0
US1KSSG0064_2010	11/29/2010	00:00:00	0

US1KSSG0064_2010	11/30/2010	00:00:00	0
US1KSSG0064_2010	12/01/2010	00:00:00	0
US1KSSG0064_2010	12/02/2010	00:00:00	0
US1KSSG0064_2010	12/03/2010	00:00:00	0
US1KSSG0064_2010	12/04/2010	00:00:00	0
US1KSSG0064_2010	12/05/2010	00:00:00	0
US1KSSG0064_2010	12/06/2010	00:00:00	0
US1KSSG0064_2010	12/07/2010	00:00:00	0
US1KSSG0064_2010	12/08/2010	00:00:00	0
US1KSSG0064_2010	12/09/2010	00:00:00	0
US1KSSG0064_2010	12/10/2010	00:00:00	0
US1KSSG0064_2010	12/11/2010	00:00:00	0
US1KSSG0064_2010	12/12/2010	00:00:00	0
US1KSSG0064_2010	12/13/2010	00:00:00	0
US1KSSG0064_2010	12/14/2010	00:00:00	0
US1KSSG0064_2010	12/15/2010	00:00:00	0
US1KSSG0064_2010	12/16/2010	00:00:00	0
US1KSSG0064_2010	12/17/2010	00:00:00	0
US1KSSG0064_2010	12/18/2010	00:00:00	0
US1KSSG0064_2010	12/19/2010	00:00:00	0
US1KSSG0064_2010	12/20/2010	00:00:00	0
US1KSSG0064_2010	12/21/2010	00:00:00	0
US1KSSG0064_2010	12/22/2010	00:00:00	0
US1KSSG0064_2010	12/23/2010	00:00:00	0
US1KSSG0064_2010	12/24/2010	00:00:00	0.05118113
US1KSSG0064_2010	12/25/2010	00:00:00	0
US1KSSG0064_2010	12/26/2010	00:00:00	0
US1KSSG0064_2010	12/27/2010	00:00:00	0
US1KSSG0064_2010	12/28/2010	00:00:00	0
US1KSSG0064_2010	12/29/2010	00:00:00	0
US1KSSG0064_2010	12/30/2010	00:00:00	0
US1KSSG0064_2010	12/31/2010	00:00:00	0
US1KSSG0064_2010	01/01/2011	00:00:00	0
US1KSSG0064_2010	01/02/2011	00:00:00	0
US1KSSG0064_2010	01/03/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0064_septoctnov2013	09/01/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/02/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/03/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/04/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/05/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/06/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/07/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/08/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/09/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/10/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/11/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/12/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/13/2013	00:00:00	0.01181103
US1KSSG0064_septoctnov2013	09/14/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/15/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/16/2013	00:00:00	0.3503939
US1KSSG0064_septoctnov2013	09/17/2013	00:00:00	0.1417324
US1KSSG0064_septoctnov2013	09/18/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/19/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/20/2013	00:00:00	0.9409454
US1KSSG0064_septoctnov2013	09/21/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/22/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/23/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/24/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/25/2013	00:00:00	0
US1KSSG0064_septoctnov2013	09/26/2013	00:00:00	0

US1KSSG0064_septoctnov2013 11/29/2013 00:00:00 0
US1KSSG0064_septoctnov2013 11/30/2013 00:00:00 0

;Rainfall (in/day)

US1KSSG0064_yearlong2011 01/01/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/02/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/03/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/04/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/05/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/06/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/07/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/08/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/09/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/10/2011 00:00:00 0.3503939
US1KSSG0064_yearlong2011 01/11/2011 00:00:00 0.09842525
US1KSSG0064_yearlong2011 01/12/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/13/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/14/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/15/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/16/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/17/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/18/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/19/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/20/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/21/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/22/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/23/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/24/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/25/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/26/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/27/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/28/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/29/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/30/2011 00:00:00 0
US1KSSG0064_yearlong2011 01/31/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/01/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/02/2011 00:00:00 0.4685042
US1KSSG0064_yearlong2011 02/03/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/04/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/05/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/06/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/07/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/08/2011 00:00:00 0.05118113
US1KSSG0064_yearlong2011 02/09/2011 00:00:00 0.5708665
US1KSSG0064_yearlong2011 02/10/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/11/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/12/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/13/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/14/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/15/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/16/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/17/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/18/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/19/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/20/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/21/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/22/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/23/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/24/2011 00:00:00 0.1614174
US1KSSG0064_yearlong2011 02/25/2011 00:00:00 0.07086618
US1KSSG0064_yearlong2011 02/26/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/27/2011 00:00:00 0
US1KSSG0064_yearlong2011 02/28/2011 00:00:00 0.5984255

US1KSSG0064_yearlong2011	03/01/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/02/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/03/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/04/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/05/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/06/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/07/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/08/2011	00:00:00	0.6496066
US1KSSG0064_yearlong2011	03/09/2011	00:00:00	0.03149608
US1KSSG0064_yearlong2011	03/10/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/11/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/12/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/13/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/14/2011	00:00:00	0.1692914
US1KSSG0064_yearlong2011	03/15/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/16/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/17/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/18/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/19/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/20/2011	00:00:00	0.0393701
US1KSSG0064_yearlong2011	03/21/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/22/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/23/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/25/2011	00:00:00	0.09842525
US1KSSG0064_yearlong2011	03/26/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/27/2011	00:00:00	0.01968505
US1KSSG0064_yearlong2011	03/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/30/2011	00:00:00	0
US1KSSG0064_yearlong2011	03/31/2011	00:00:00	0.01968505
US1KSSG0064_yearlong2011	04/01/2011	00:00:00	0.01181103
US1KSSG0064_yearlong2011	04/02/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/03/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/04/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/05/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/06/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/07/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/08/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/09/2011	00:00:00	0.0787402
US1KSSG0064_yearlong2011	04/10/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/11/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/12/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/13/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/14/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/15/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/16/2011	00:00:00	0.1496064
US1KSSG0064_yearlong2011	04/17/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/18/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/19/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/20/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/21/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/22/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/23/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/25/2011	00:00:00	0.6811028
US1KSSG0064_yearlong2011	04/26/2011	00:00:00	0.1496064
US1KSSG0064_yearlong2011	04/27/2011	00:00:00	0.0787402
US1KSSG0064_yearlong2011	04/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	04/30/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/01/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/02/2011	00:00:00	0.03149608

US1KSSG0064_yearlong2011	05/03/2011	00:00:00	0.03149608
US1KSSG0064_yearlong2011	05/04/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/05/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/06/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/07/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/08/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/09/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/10/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/11/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/12/2011	00:00:00	0.1496064
US1KSSG0064_yearlong2011	05/13/2011	00:00:00	0.0393701
US1KSSG0064_yearlong2011	05/14/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/15/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/16/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/17/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/18/2011	00:00:00	0.1811025
US1KSSG0064_yearlong2011	05/19/2011	00:00:00	0.07086618
US1KSSG0064_yearlong2011	05/20/2011	00:00:00	0.8110241
US1KSSG0064_yearlong2011	05/21/2011	00:00:00	0.05905515
US1KSSG0064_yearlong2011	05/22/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/23/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/25/2011	00:00:00	0.7519689
US1KSSG0064_yearlong2011	05/26/2011	00:00:00	0.1299213
US1KSSG0064_yearlong2011	05/27/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/30/2011	00:00:00	0
US1KSSG0064_yearlong2011	05/31/2011	00:00:00	0.38189
US1KSSG0064_yearlong2011	06/01/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/02/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/03/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/04/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/05/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/06/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/07/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/08/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/09/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/10/2011	00:00:00	2.031497
US1KSSG0064_yearlong2011	06/11/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/12/2011	00:00:00	0.5708665
US1KSSG0064_yearlong2011	06/13/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/14/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/15/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/16/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/17/2011	00:00:00	1.059056
US1KSSG0064_yearlong2011	06/18/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/19/2011	00:00:00	0.05905515
US1KSSG0064_yearlong2011	06/20/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/21/2011	00:00:00	0.6614177
US1KSSG0064_yearlong2011	06/22/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/23/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/25/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/26/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/27/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	06/30/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/01/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/02/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/03/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/04/2011	00:00:00	0.1889765

US1KSSG0064_yearlong2011	07/05/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/06/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/07/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/08/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/09/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/10/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/11/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/12/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/13/2011	00:00:00	0.9291344
US1KSSG0064_yearlong2011	07/14/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/15/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/16/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/17/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/18/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/19/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/20/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/21/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/22/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/23/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/25/2011	00:00:00	0.2007875
US1KSSG0064_yearlong2011	07/26/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/27/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/30/2011	00:00:00	0
US1KSSG0064_yearlong2011	07/31/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/01/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/02/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/03/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/04/2011	00:00:00	1.728347
US1KSSG0064_yearlong2011	08/05/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/06/2011	00:00:00	0.3582679
US1KSSG0064_yearlong2011	08/07/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/08/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/09/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/10/2011	00:00:00	0.6299216
US1KSSG0064_yearlong2011	08/11/2011	00:00:00	0.370079
US1KSSG0064_yearlong2011	08/12/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/13/2011	00:00:00	0.05118113
US1KSSG0064_yearlong2011	08/14/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/15/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/16/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/17/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/18/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/19/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/20/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/21/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/22/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/23/2011	00:00:00	0.0787402
US1KSSG0064_yearlong2011	08/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/25/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/26/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/27/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	08/30/2011	00:00:00	0.09055123
US1KSSG0064_yearlong2011	08/31/2011	00:00:00	0
US1KSSG0064_yearlong2011	09/01/2011	00:00:00	0
US1KSSG0064_yearlong2011	09/02/2011	00:00:00	0
US1KSSG0064_yearlong2011	09/03/2011	00:00:00	0
US1KSSG0064_yearlong2011	09/04/2011	00:00:00	0.5708665
US1KSSG0064_yearlong2011	09/05/2011	00:00:00	0

US1KSSG0064_yearlong2011	11/08/2011	00:00:00	1.720473
US1KSSG0064_yearlong2011	11/09/2011	00:00:00	0.2913387
US1KSSG0064_yearlong2011	11/10/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/11/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/12/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/13/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/14/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/15/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/16/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/17/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/18/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/19/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/20/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/21/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/22/2011	00:00:00	0.3582679
US1KSSG0064_yearlong2011	11/23/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/25/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/26/2011	00:00:00	0.5314963
US1KSSG0064_yearlong2011	11/27/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	11/30/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/01/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/02/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/03/2011	00:00:00	0.2992128
US1KSSG0064_yearlong2011	12/04/2011	00:00:00	0.5393704
US1KSSG0064_yearlong2011	12/05/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/06/2011	00:00:00	0.01181103
US1KSSG0064_yearlong2011	12/07/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/08/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/09/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/10/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/11/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/12/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/13/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/14/2011	00:00:00	0.401575
US1KSSG0064_yearlong2011	12/15/2011	00:00:00	0.1181103
US1KSSG0064_yearlong2011	12/16/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/17/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/18/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/19/2011	00:00:00	0.09055123
US1KSSG0064_yearlong2011	12/20/2011	00:00:00	1.921261
US1KSSG0064_yearlong2011	12/21/2011	00:00:00	0.03149608
US1KSSG0064_yearlong2011	12/22/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/23/2011	00:00:00	0.03149608
US1KSSG0064_yearlong2011	12/24/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/25/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/26/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/27/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/28/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/29/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/30/2011	00:00:00	0
US1KSSG0064_yearlong2011	12/31/2011	00:00:00	0
;Rainfall (in/day)			
US1KSSG0064_yearlong2013	01/01/2013	00:00:00	0.1889765
US1KSSG0064_yearlong2013	01/02/2013	00:00:00	0.01181103
US1KSSG0064_yearlong2013	01/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/05/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/07/2013	00:00:00	0

US1KSSG0064_yearlong2013	01/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/10/2013	00:00:00	0.2401576
US1KSSG0064_yearlong2013	01/11/2013	00:00:00	0.07086618
US1KSSG0064_yearlong2013	01/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/27/2013	00:00:00	0.01968505
US1KSSG0064_yearlong2013	01/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	01/29/2013	00:00:00	0.01968505
US1KSSG0064_yearlong2013	01/30/2013	00:00:00	0.01181103
US1KSSG0064_yearlong2013	01/31/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/05/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/07/2013	00:00:00	0.1614174
US1KSSG0064_yearlong2013	02/08/2013	00:00:00	0.03149608
US1KSSG0064_yearlong2013	02/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/10/2013	00:00:00	0.0393701
US1KSSG0064_yearlong2013	02/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/21/2013	00:00:00	1.338583
US1KSSG0064_yearlong2013	02/22/2013	00:00:00	0.2401576
US1KSSG0064_yearlong2013	02/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	02/26/2013	00:00:00	0.6811028
US1KSSG0064_yearlong2013	02/27/2013	00:00:00	0.01968505
US1KSSG0064_yearlong2013	02/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/05/2013	00:00:00	0.01968505
US1KSSG0064_yearlong2013	03/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/09/2013	00:00:00	0.2283466
US1KSSG0064_yearlong2013	03/10/2013	00:00:00	0.9094493
US1KSSG0064_yearlong2013	03/11/2013	00:00:00	0.03149608

US1KSSG0064_yearlong2013	03/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/24/2013	00:00:00	0.6417326
US1KSSG0064_yearlong2013	03/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/29/2013	00:00:00	0
US1KSSG0064_yearlong2013	03/30/2013	00:00:00	0.2992128
US1KSSG0064_yearlong2013	03/31/2013	00:00:00	0.03149608
US1KSSG0064_yearlong2013	04/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/02/2013	00:00:00	0.2795277
US1KSSG0064_yearlong2013	04/03/2013	00:00:00	0.0393701
US1KSSG0064_yearlong2013	04/04/2013	00:00:00	0.01181103
US1KSSG0064_yearlong2013	04/05/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/08/2013	00:00:00	0.09842525
US1KSSG0064_yearlong2013	04/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/10/2013	00:00:00	0.6811028
US1KSSG0064_yearlong2013	04/11/2013	00:00:00	0.03149608
US1KSSG0064_yearlong2013	04/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/17/2013	00:00:00	0.05118113
US1KSSG0064_yearlong2013	04/18/2013	00:00:00	0.3307088
US1KSSG0064_yearlong2013	04/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/23/2013	00:00:00	1.251969
US1KSSG0064_yearlong2013	04/24/2013	00:00:00	0.03149608
US1KSSG0064_yearlong2013	04/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/26/2013	00:00:00	0.1102363
US1KSSG0064_yearlong2013	04/27/2013	00:00:00	0.2716537
US1KSSG0064_yearlong2013	04/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/29/2013	00:00:00	0
US1KSSG0064_yearlong2013	04/30/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/02/2013	00:00:00	0.7086618
US1KSSG0064_yearlong2013	05/03/2013	00:00:00	0.05118113
US1KSSG0064_yearlong2013	05/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/05/2013	00:00:00	0.03149608
US1KSSG0064_yearlong2013	05/06/2013	00:00:00	0.01181103
US1KSSG0064_yearlong2013	05/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/08/2013	00:00:00	0.4291341
US1KSSG0064_yearlong2013	05/09/2013	00:00:00	0.38189
US1KSSG0064_yearlong2013	05/10/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/13/2013	00:00:00	0

US1KSSG0064_yearlong2013	05/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/19/2013	00:00:00	0.2519687
US1KSSG0064_yearlong2013	05/20/2013	00:00:00	1.141733
US1KSSG0064_yearlong2013	05/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/29/2013	00:00:00	0
US1KSSG0064_yearlong2013	05/30/2013	00:00:00	1.358268
US1KSSG0064_yearlong2013	05/31/2013	00:00:00	0.3188978
US1KSSG0064_yearlong2013	06/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/05/2013	00:00:00	1.118111
US1KSSG0064_yearlong2013	06/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/09/2013	00:00:00	0.2716537
US1KSSG0064_yearlong2013	06/10/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/16/2013	00:00:00	0.2204726
US1KSSG0064_yearlong2013	06/17/2013	00:00:00	0.6181106
US1KSSG0064_yearlong2013	06/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/19/2013	00:00:00	0.1889765
US1KSSG0064_yearlong2013	06/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/25/2013	00:00:00	0.0787402
US1KSSG0064_yearlong2013	06/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/28/2013	00:00:00	0.2913387
US1KSSG0064_yearlong2013	06/29/2013	00:00:00	0
US1KSSG0064_yearlong2013	06/30/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/05/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/07/2013	00:00:00	0.2007875
US1KSSG0064_yearlong2013	07/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/10/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/14/2013	00:00:00	0.9212604
US1KSSG0064_yearlong2013	07/15/2013	00:00:00	0.4803152

US1KSSG0064_yearlong2013	07/16/2013	00:00:00	0.09842525
US1KSSG0064_yearlong2013	07/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/21/2013	00:00:00	1.011812
US1KSSG0064_yearlong2013	07/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/23/2013	00:00:00	0.2007875
US1KSSG0064_yearlong2013	07/24/2013	00:00:00	1.149607
US1KSSG0064_yearlong2013	07/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/26/2013	00:00:00	1.291339
US1KSSG0064_yearlong2013	07/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	07/28/2013	00:00:00	1.759843
US1KSSG0064_yearlong2013	07/29/2013	00:00:00	0.4881893
US1KSSG0064_yearlong2013	07/30/2013	00:00:00	0.4881893
US1KSSG0064_yearlong2013	07/31/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/02/2013	00:00:00	0.4488191
US1KSSG0064_yearlong2013	08/03/2013	00:00:00	0.4409451
US1KSSG0064_yearlong2013	08/04/2013	00:00:00	1.771654
US1KSSG0064_yearlong2013	08/05/2013	00:00:00	0.2401576
US1KSSG0064_yearlong2013	08/06/2013	00:00:00	0.1181103
US1KSSG0064_yearlong2013	08/07/2013	00:00:00	0.2401576
US1KSSG0064_yearlong2013	08/08/2013	00:00:00	1.311024
US1KSSG0064_yearlong2013	08/09/2013	00:00:00	0.5118113
US1KSSG0064_yearlong2013	08/10/2013	00:00:00	0.03149608
US1KSSG0064_yearlong2013	08/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/12/2013	00:00:00	0.2598427
US1KSSG0064_yearlong2013	08/13/2013	00:00:00	0.4488191
US1KSSG0064_yearlong2013	08/14/2013	00:00:00	1.149607
US1KSSG0064_yearlong2013	08/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/16/2013	00:00:00	0.6102365
US1KSSG0064_yearlong2013	08/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/29/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/30/2013	00:00:00	0
US1KSSG0064_yearlong2013	08/31/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/05/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/10/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/13/2013	00:00:00	0.01181103
US1KSSG0064_yearlong2013	09/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/16/2013	00:00:00	0.3503939

US1KSSG0064_yearlong2013	09/17/2013	00:00:00	0.1417324
US1KSSG0064_yearlong2013	09/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/20/2013	00:00:00	0.9409454
US1KSSG0064_yearlong2013	09/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	09/28/2013	00:00:00	0.4488191
US1KSSG0064_yearlong2013	09/29/2013	00:00:00	0.01181103
US1KSSG0064_yearlong2013	09/30/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/05/2013	00:00:00	0.3385829
US1KSSG0064_yearlong2013	10/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/10/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/15/2013	00:00:00	0.5196853
US1KSSG0064_yearlong2013	10/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/19/2013	00:00:00	0.1889765
US1KSSG0064_yearlong2013	10/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	10/29/2013	00:00:00	0.9803155
US1KSSG0064_yearlong2013	10/30/2013	00:00:00	0.0393701
US1KSSG0064_yearlong2013	10/31/2013	00:00:00	1.051182
US1KSSG0064_yearlong2013	11/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/05/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/06/2013	00:00:00	0.3307088
US1KSSG0064_yearlong2013	11/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/10/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/18/2013	00:00:00	0

US1KSSG0064_yearlong2013	11/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/21/2013	00:00:00	0.2598427
US1KSSG0064_yearlong2013	11/22/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/29/2013	00:00:00	0
US1KSSG0064_yearlong2013	11/30/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/01/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/02/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/03/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/04/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/05/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/06/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/07/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/08/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/09/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/10/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/11/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/12/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/13/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/14/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/15/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/16/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/17/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/18/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/19/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/20/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/21/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/22/2013	00:00:00	0.6181106
US1KSSG0064_yearlong2013	12/23/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/24/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/25/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/26/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/27/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/28/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/29/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/30/2013	00:00:00	0
US1KSSG0064_yearlong2013	12/31/2013	00:00:00	0

;Rainfall (in/day)

US1KSSG0069_2010	11/08/2010	00:00:00	0
US1KSSG0069_2010	11/09/2010	00:00:00	0
US1KSSG0069_2010	11/10/2010	00:00:00	0
US1KSSG0069_2010	11/11/2010	00:00:00	0
US1KSSG0069_2010	11/12/2010	00:00:00	0.4488191
US1KSSG0069_2010	11/13/2010	00:00:00	0.5590554
US1KSSG0069_2010	11/14/2010	00:00:00	0
US1KSSG0069_2010	11/15/2010	00:00:00	0
US1KSSG0069_2010	11/16/2010	00:00:00	0
US1KSSG0069_2010	11/17/2010	00:00:00	0
US1KSSG0069_2010	11/18/2010	00:00:00	0.2598427
US1KSSG0069_2010	11/19/2010	00:00:00	0
US1KSSG0069_2010	11/20/2010	00:00:00	0
US1KSSG0069_2010	11/21/2010	00:00:00	0
US1KSSG0069_2010	11/22/2010	00:00:00	0
US1KSSG0069_2010	11/23/2010	00:00:00	0
US1KSSG0069_2010	11/24/2010	00:00:00	0
US1KSSG0069_2010	11/25/2010	00:00:00	0

US1KSSG0069_2010	11/26/2010	00:00:00	0
US1KSSG0069_2010	11/27/2010	00:00:00	0
US1KSSG0069_2010	11/28/2010	00:00:00	0
US1KSSG0069_2010	11/29/2010	00:00:00	0
US1KSSG0069_2010	11/30/2010	00:00:00	0
US1KSSG0069_2010	12/01/2010	00:00:00	0
US1KSSG0069_2010	12/02/2010	00:00:00	0
US1KSSG0069_2010	12/03/2010	00:00:00	0
US1KSSG0069_2010	12/04/2010	00:00:00	0
US1KSSG0069_2010	12/05/2010	00:00:00	0
US1KSSG0069_2010	12/06/2010	00:00:00	0
US1KSSG0069_2010	12/07/2010	00:00:00	0
US1KSSG0069_2010	12/08/2010	00:00:00	0
US1KSSG0069_2010	12/09/2010	00:00:00	0
US1KSSG0069_2010	12/10/2010	00:00:00	0
US1KSSG0069_2010	12/11/2010	00:00:00	0
US1KSSG0069_2010	12/12/2010	00:00:00	0
US1KSSG0069_2010	12/13/2010	00:00:00	0
US1KSSG0069_2010	12/14/2010	00:00:00	0
US1KSSG0069_2010	12/15/2010	00:00:00	0
US1KSSG0069_2010	12/16/2010	00:00:00	0
US1KSSG0069_2010	12/17/2010	00:00:00	0
US1KSSG0069_2010	12/18/2010	00:00:00	0
US1KSSG0069_2010	12/19/2010	00:00:00	0
US1KSSG0069_2010	12/20/2010	00:00:00	0
US1KSSG0069_2010	12/21/2010	00:00:00	0
US1KSSG0069_2010	12/22/2010	00:00:00	0
US1KSSG0069_2010	12/23/2010	00:00:00	0
US1KSSG0069_2010	12/24/2010	00:00:00	0.05905515
US1KSSG0069_2010	12/25/2010	00:00:00	0
US1KSSG0069_2010	12/26/2010	00:00:00	0
US1KSSG0069_2010	12/27/2010	00:00:00	0
US1KSSG0069_2010	12/28/2010	00:00:00	0
US1KSSG0069_2010	12/29/2010	00:00:00	0
US1KSSG0069_2010	12/30/2010	00:00:00	0.01181103
US1KSSG0069_2010	12/31/2010	00:00:00	0
US1KSSG0069_2010	01/01/2011	00:00:00	0
US1KSSG0069_2010	01/02/2011	00:00:00	0
US1KSSG0069_2010	01/03/2011	00:00:00	0

;Rainfall (in/day)

US1KSSG0069_septoctnov2013	09/01/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/02/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/03/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/04/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/05/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/06/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/07/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/08/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/09/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/10/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/11/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/12/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/13/2013	00:00:00	0.03149608
US1KSSG0069_septoctnov2013	09/14/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/15/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/16/2013	00:00:00	0.3110238
US1KSSG0069_septoctnov2013	09/17/2013	00:00:00	0.1811025
US1KSSG0069_septoctnov2013	09/18/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/19/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/20/2013	00:00:00	0.9685045
US1KSSG0069_septoctnov2013	09/21/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/22/2013	00:00:00	0

US1KSSG0069_septoctnov2013	09/23/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/24/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/25/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/26/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/27/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/28/2013	00:00:00	0.6417326
US1KSSG0069_septoctnov2013	09/29/2013	00:00:00	0
US1KSSG0069_septoctnov2013	09/30/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/01/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/02/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/03/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/04/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/05/2013	00:00:00	0.3307088
US1KSSG0069_septoctnov2013	10/06/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/07/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/08/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/09/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/10/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/11/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/12/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/13/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/14/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/15/2013	00:00:00	0.5393704
US1KSSG0069_septoctnov2013	10/16/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/17/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/18/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/19/2013	00:00:00	0.409449
US1KSSG0069_septoctnov2013	10/20/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/21/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/22/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/23/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/24/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/25/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/26/2013	00:00:00	0.01181103
US1KSSG0069_septoctnov2013	10/27/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/28/2013	00:00:00	0
US1KSSG0069_septoctnov2013	10/29/2013	00:00:00	1.889765
US1KSSG0069_septoctnov2013	10/30/2013	00:00:00	0.07086618
US1KSSG0069_septoctnov2013	10/31/2013	00:00:00	2.110237
US1KSSG0069_septoctnov2013	11/01/2013	00:00:00	0.4291341
US1KSSG0069_septoctnov2013	11/02/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/03/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/04/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/05/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/06/2013	00:00:00	0.4606302
US1KSSG0069_septoctnov2013	11/07/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/08/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/09/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/10/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/11/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/12/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/13/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/14/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/15/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/16/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/17/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/18/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/19/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/20/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/21/2013	00:00:00	0.1692914
US1KSSG0069_septoctnov2013	11/22/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/23/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/24/2013	00:00:00	0

US1KSSG0069_septoctnov2013	11/25/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/26/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/27/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/28/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/29/2013	00:00:00	0
US1KSSG0069_septoctnov2013	11/30/2013	00:00:00	0
;Rainfall (in/day)			
US1KSSG0069_yearlong2011	01/01/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/04/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/08/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/09/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/10/2011	00:00:00	0.2401576
US1KSSG0069_yearlong2011	01/11/2011	00:00:00	0.07086618
US1KSSG0069_yearlong2011	01/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/13/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/20/2011	00:00:00	0.01181103
US1KSSG0069_yearlong2011	01/21/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/25/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/26/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/28/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/30/2011	00:00:00	0
US1KSSG0069_yearlong2011	01/31/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/01/2011	00:00:00	0.07086618
US1KSSG0069_yearlong2011	02/02/2011	00:00:00	0.1811025
US1KSSG0069_yearlong2011	02/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/04/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/08/2011	00:00:00	0.0787402
US1KSSG0069_yearlong2011	02/09/2011	00:00:00	0.6889768
US1KSSG0069_yearlong2011	02/10/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/13/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/20/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/21/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/24/2011	00:00:00	0.05118113

US1KSSG0069_yearlong2011	02/25/2011	00:00:00	0.1181103
US1KSSG0069_yearlong2011	02/26/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	02/28/2011	00:00:00	1.220473
US1KSSG0069_yearlong2011	03/01/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/04/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/08/2011	00:00:00	0.5314963
US1KSSG0069_yearlong2011	03/09/2011	00:00:00	0.03149608
US1KSSG0069_yearlong2011	03/10/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/13/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/14/2011	00:00:00	0.1811025
US1KSSG0069_yearlong2011	03/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/20/2011	00:00:00	0.05905515
US1KSSG0069_yearlong2011	03/21/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/25/2011	00:00:00	0.01968505
US1KSSG0069_yearlong2011	03/26/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/28/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/29/2011	00:00:00	0.01968505
US1KSSG0069_yearlong2011	03/30/2011	00:00:00	0
US1KSSG0069_yearlong2011	03/31/2011	00:00:00	0.01968505
US1KSSG0069_yearlong2011	04/01/2011	00:00:00	0.01968505
US1KSSG0069_yearlong2011	04/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/04/2011	00:00:00	0.03149608
US1KSSG0069_yearlong2011	04/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/08/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/09/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/10/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/13/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/16/2011	00:00:00	0.2007875
US1KSSG0069_yearlong2011	04/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/20/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/21/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/22/2011	00:00:00	0.03149608
US1KSSG0069_yearlong2011	04/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/24/2011	00:00:00	0.01181103
US1KSSG0069_yearlong2011	04/25/2011	00:00:00	0.2598427
US1KSSG0069_yearlong2011	04/26/2011	00:00:00	0.1614174
US1KSSG0069_yearlong2011	04/27/2011	00:00:00	0.09055123
US1KSSG0069_yearlong2011	04/28/2011	00:00:00	0

US1KSSG0069_yearlong2011	04/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	04/30/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/01/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/04/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/08/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/09/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/10/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/12/2011	00:00:00	0.09055123
US1KSSG0069_yearlong2011	05/13/2011	00:00:00	0.1102363
US1KSSG0069_yearlong2011	05/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/18/2011	00:00:00	0.5196853
US1KSSG0069_yearlong2011	05/19/2011	00:00:00	0.7007878
US1KSSG0069_yearlong2011	05/20/2011	00:00:00	0.09055123
US1KSSG0069_yearlong2011	05/21/2011	00:00:00	0.8503942
US1KSSG0069_yearlong2011	05/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/25/2011	00:00:00	0.389764
US1KSSG0069_yearlong2011	05/26/2011	00:00:00	0.1811025
US1KSSG0069_yearlong2011	05/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/28/2011	00:00:00	0.03149608
US1KSSG0069_yearlong2011	05/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/30/2011	00:00:00	0
US1KSSG0069_yearlong2011	05/31/2011	00:00:00	0.7086618
US1KSSG0069_yearlong2011	06/01/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/04/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/08/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/09/2011	00:00:00	0.01181103
US1KSSG0069_yearlong2011	06/10/2011	00:00:00	0.5393704
US1KSSG0069_yearlong2011	06/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/12/2011	00:00:00	0.5590554
US1KSSG0069_yearlong2011	06/13/2011	00:00:00	0.05905515
US1KSSG0069_yearlong2011	06/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/17/2011	00:00:00	1.440946
US1KSSG0069_yearlong2011	06/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/20/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/21/2011	00:00:00	0.6299216
US1KSSG0069_yearlong2011	06/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/25/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/26/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/28/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	06/30/2011	00:00:00	0

US1KSSG0069_yearlong2011	07/01/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/04/2011	00:00:00	1.389765
US1KSSG0069_yearlong2011	07/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/08/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/09/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/10/2011	00:00:00	0.2283466
US1KSSG0069_yearlong2011	07/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/13/2011	00:00:00	0.4212601
US1KSSG0069_yearlong2011	07/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/20/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/21/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/25/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/26/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/28/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	07/30/2011	00:00:00	0.1692914
US1KSSG0069_yearlong2011	07/31/2011	00:00:00	0.01181103
US1KSSG0069_yearlong2011	08/01/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/03/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/04/2011	00:00:00	1.070867
US1KSSG0069_yearlong2011	08/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/08/2011	00:00:00	0.0393701
US1KSSG0069_yearlong2011	08/09/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/10/2011	00:00:00	0.3503939
US1KSSG0069_yearlong2011	08/11/2011	00:00:00	0.409449
US1KSSG0069_yearlong2011	08/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/13/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/20/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/21/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/23/2011	00:00:00	0.07086618
US1KSSG0069_yearlong2011	08/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/25/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/26/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/28/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/30/2011	00:00:00	0
US1KSSG0069_yearlong2011	08/31/2011	00:00:00	0
US1KSSG0069_yearlong2011	09/01/2011	00:00:00	0

US1KSSG0069_yearlong2011	11/04/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/08/2011	00:00:00	1.98819
US1KSSG0069_yearlong2011	11/09/2011	00:00:00	0.3188978
US1KSSG0069_yearlong2011	11/10/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/13/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/14/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/15/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/20/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/21/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/22/2011	00:00:00	0.2007875
US1KSSG0069_yearlong2011	11/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/25/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/26/2011	00:00:00	0.779528
US1KSSG0069_yearlong2011	11/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/28/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	11/30/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/01/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/02/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/03/2011	00:00:00	0.3307088
US1KSSG0069_yearlong2011	12/04/2011	00:00:00	0.38189
US1KSSG0069_yearlong2011	12/05/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/06/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/07/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/08/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/09/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/10/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/11/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/12/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/13/2011	00:00:00	0.03149608
US1KSSG0069_yearlong2011	12/14/2011	00:00:00	0.4881893
US1KSSG0069_yearlong2011	12/15/2011	00:00:00	0.2086615
US1KSSG0069_yearlong2011	12/16/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/17/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/18/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/19/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/20/2011	00:00:00	2.141733
US1KSSG0069_yearlong2011	12/21/2011	00:00:00	0.03149608
US1KSSG0069_yearlong2011	12/22/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/23/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/24/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/25/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/26/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/27/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/28/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/29/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/30/2011	00:00:00	0
US1KSSG0069_yearlong2011	12/31/2011	00:00:00	0
;Rainfall (in/day)			
US1KSSG0069_yearlong2013	01/01/2013	00:00:00	0.05118113
US1KSSG0069_yearlong2013	01/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/03/2013	00:00:00	0

US1KSSG0069_yearlong2013	01/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/10/2013	00:00:00	0.2519687
US1KSSG0069_yearlong2013	01/11/2013	00:00:00	0.2086615
US1KSSG0069_yearlong2013	01/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/27/2013	00:00:00	0.01181103
US1KSSG0069_yearlong2013	01/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	01/29/2013	00:00:00	0.01181103
US1KSSG0069_yearlong2013	01/30/2013	00:00:00	0.01181103
US1KSSG0069_yearlong2013	01/31/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/07/2013	00:00:00	0.1496064
US1KSSG0069_yearlong2013	02/08/2013	00:00:00	0.0393701
US1KSSG0069_yearlong2013	02/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/10/2013	00:00:00	0.05118113
US1KSSG0069_yearlong2013	02/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/21/2013	00:00:00	1.358268
US1KSSG0069_yearlong2013	02/22/2013	00:00:00	0.3188978
US1KSSG0069_yearlong2013	02/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/26/2013	00:00:00	0.9094493
US1KSSG0069_yearlong2013	02/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	02/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/07/2013	00:00:00	0

US1KSSG0069_yearlong2013	03/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/09/2013	00:00:00	0.401575
US1KSSG0069_yearlong2013	03/10/2013	00:00:00	0.409449
US1KSSG0069_yearlong2013	03/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/24/2013	00:00:00	0.1614174
US1KSSG0069_yearlong2013	03/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	03/30/2013	00:00:00	0.3503939
US1KSSG0069_yearlong2013	03/31/2013	00:00:00	0.0393701
US1KSSG0069_yearlong2013	04/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/02/2013	00:00:00	0.1811025
US1KSSG0069_yearlong2013	04/03/2013	00:00:00	0.03149608
US1KSSG0069_yearlong2013	04/04/2013	00:00:00	0.01181103
US1KSSG0069_yearlong2013	04/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/10/2013	00:00:00	1.240158
US1KSSG0069_yearlong2013	04/11/2013	00:00:00	0.2086615
US1KSSG0069_yearlong2013	04/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/17/2013	00:00:00	0.0393701
US1KSSG0069_yearlong2013	04/18/2013	00:00:00	0.409449
US1KSSG0069_yearlong2013	04/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/23/2013	00:00:00	1.389765
US1KSSG0069_yearlong2013	04/24/2013	00:00:00	0.0393701
US1KSSG0069_yearlong2013	04/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/26/2013	00:00:00	0.1299213
US1KSSG0069_yearlong2013	04/27/2013	00:00:00	0.2007875
US1KSSG0069_yearlong2013	04/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	04/30/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/02/2013	00:00:00	0.9803155
US1KSSG0069_yearlong2013	05/03/2013	00:00:00	0.1889765
US1KSSG0069_yearlong2013	05/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/05/2013	00:00:00	0.0393701
US1KSSG0069_yearlong2013	05/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/08/2013	00:00:00	0.8188981
US1KSSG0069_yearlong2013	05/09/2013	00:00:00	0.3110238

US1KSSG0069_yearlong2013	05/10/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/19/2013	00:00:00	0.1889765
US1KSSG0069_yearlong2013	05/20/2013	00:00:00	1.358268
US1KSSG0069_yearlong2013	05/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	05/30/2013	00:00:00	2.090552
US1KSSG0069_yearlong2013	05/31/2013	00:00:00	0.8818902
US1KSSG0069_yearlong2013	06/01/2013	00:00:00	0.01968505
US1KSSG0069_yearlong2013	06/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/05/2013	00:00:00	0.3110238
US1KSSG0069_yearlong2013	06/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/09/2013	00:00:00	0.4409451
US1KSSG0069_yearlong2013	06/10/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/17/2013	00:00:00	0.389764
US1KSSG0069_yearlong2013	06/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/19/2013	00:00:00	0.1811025
US1KSSG0069_yearlong2013	06/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/25/2013	00:00:00	0.1692914
US1KSSG0069_yearlong2013	06/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/28/2013	00:00:00	1.358268
US1KSSG0069_yearlong2013	06/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	06/30/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/07/2013	00:00:00	0.1299213
US1KSSG0069_yearlong2013	07/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/10/2013	00:00:00	0.05905515
US1KSSG0069_yearlong2013	07/11/2013	00:00:00	0

US1KSSG0069_yearlong2013	07/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/14/2013	00:00:00	0.6692917
US1KSSG0069_yearlong2013	07/15/2013	00:00:00	0.2795277
US1KSSG0069_yearlong2013	07/16/2013	00:00:00	0.1417324
US1KSSG0069_yearlong2013	07/17/2013	00:00:00	0.1299213
US1KSSG0069_yearlong2013	07/18/2013	00:00:00	0.01181103
US1KSSG0069_yearlong2013	07/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/21/2013	00:00:00	0.9488194
US1KSSG0069_yearlong2013	07/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/23/2013	00:00:00	0.09842525
US1KSSG0069_yearlong2013	07/24/2013	00:00:00	1.090552
US1KSSG0069_yearlong2013	07/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/26/2013	00:00:00	0.6417326
US1KSSG0069_yearlong2013	07/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	07/28/2013	00:00:00	1.389765
US1KSSG0069_yearlong2013	07/29/2013	00:00:00	0.8385831
US1KSSG0069_yearlong2013	07/30/2013	00:00:00	0.2716537
US1KSSG0069_yearlong2013	07/31/2013	00:00:00	0.01968505
US1KSSG0069_yearlong2013	08/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/02/2013	00:00:00	0.1811025
US1KSSG0069_yearlong2013	08/03/2013	00:00:00	0.5905515
US1KSSG0069_yearlong2013	08/04/2013	00:00:00	2.259844
US1KSSG0069_yearlong2013	08/05/2013	00:00:00	1.279528
US1KSSG0069_yearlong2013	08/06/2013	00:00:00	0.370079
US1KSSG0069_yearlong2013	08/07/2013	00:00:00	0.5314963
US1KSSG0069_yearlong2013	08/08/2013	00:00:00	1.118111
US1KSSG0069_yearlong2013	08/09/2013	00:00:00	0.1417324
US1KSSG0069_yearlong2013	08/10/2013	00:00:00	0.05118113
US1KSSG0069_yearlong2013	08/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/12/2013	00:00:00	0.1102363
US1KSSG0069_yearlong2013	08/13/2013	00:00:00	0.5590554
US1KSSG0069_yearlong2013	08/14/2013	00:00:00	1.110237
US1KSSG0069_yearlong2013	08/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/16/2013	00:00:00	0.5590554
US1KSSG0069_yearlong2013	08/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/30/2013	00:00:00	0
US1KSSG0069_yearlong2013	08/31/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/10/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/12/2013	00:00:00	0

US1KSSG0069_yearlong2013	09/13/2013	00:00:00	0.03149608
US1KSSG0069_yearlong2013	09/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/16/2013	00:00:00	0.3110238
US1KSSG0069_yearlong2013	09/17/2013	00:00:00	0.1811025
US1KSSG0069_yearlong2013	09/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/20/2013	00:00:00	0.9685045
US1KSSG0069_yearlong2013	09/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/28/2013	00:00:00	0.6417326
US1KSSG0069_yearlong2013	09/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	09/30/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/05/2013	00:00:00	0.3307088
US1KSSG0069_yearlong2013	10/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/10/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/15/2013	00:00:00	0.5393704
US1KSSG0069_yearlong2013	10/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/19/2013	00:00:00	0.409449
US1KSSG0069_yearlong2013	10/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/26/2013	00:00:00	0.01181103
US1KSSG0069_yearlong2013	10/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	10/29/2013	00:00:00	1.889765
US1KSSG0069_yearlong2013	10/30/2013	00:00:00	0.07086618
US1KSSG0069_yearlong2013	10/31/2013	00:00:00	2.110237
US1KSSG0069_yearlong2013	11/01/2013	00:00:00	0.4291341
US1KSSG0069_yearlong2013	11/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/06/2013	00:00:00	0.4606302
US1KSSG0069_yearlong2013	11/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/10/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/14/2013	00:00:00	0

US1KSSG0069_yearlong2013	11/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/21/2013	00:00:00	0.1692914
US1KSSG0069_yearlong2013	11/22/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	11/30/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/01/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/02/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/03/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/04/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/05/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/06/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/07/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/08/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/09/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/10/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/11/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/12/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/13/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/14/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/15/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/16/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/17/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/18/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/19/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/20/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/21/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/22/2013	00:00:00	0.3188978
US1KSSG0069_yearlong2013	12/23/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/24/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/25/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/26/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/27/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/28/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/29/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/30/2013	00:00:00	0
US1KSSG0069_yearlong2013	12/31/2013	00:00:00	0

;Rainfall (in/day)

USW00003928_2010	11/08/2010	00:00:00	0
USW00003928_2010	11/09/2010	00:00:00	0
USW00003928_2010	11/10/2010	00:00:00	0
USW00003928_2010	11/11/2010	00:00:00	0.05118113
USW00003928_2010	11/12/2010	00:00:00	0.9606304
USW00003928_2010	11/13/2010	00:00:00	0
USW00003928_2010	11/14/2010	00:00:00	0
USW00003928_2010	11/15/2010	00:00:00	0
USW00003928_2010	11/16/2010	00:00:00	0
USW00003928_2010	11/17/2010	00:00:00	0.2283466
USW00003928_2010	11/18/2010	00:00:00	0
USW00003928_2010	11/19/2010	00:00:00	0
USW00003928_2010	11/20/2010	00:00:00	0
USW00003928_2010	11/21/2010	00:00:00	0

USW00003928_2010	11/22/2010	00:00:00	0
USW00003928_2010	11/23/2010	00:00:00	0
USW00003928_2010	11/24/2010	00:00:00	0
USW00003928_2010	11/25/2010	00:00:00	0
USW00003928_2010	11/26/2010	00:00:00	0
USW00003928_2010	11/27/2010	00:00:00	0
USW00003928_2010	11/28/2010	00:00:00	0
USW00003928_2010	11/29/2010	00:00:00	0
USW00003928_2010	11/30/2010	00:00:00	0
USW00003928_2010	12/01/2010	00:00:00	0
USW00003928_2010	12/02/2010	00:00:00	0
USW00003928_2010	12/03/2010	00:00:00	0
USW00003928_2010	12/04/2010	00:00:00	0
USW00003928_2010	12/05/2010	00:00:00	0
USW00003928_2010	12/06/2010	00:00:00	0
USW00003928_2010	12/07/2010	00:00:00	0
USW00003928_2010	12/08/2010	00:00:00	0
USW00003928_2010	12/09/2010	00:00:00	0
USW00003928_2010	12/10/2010	00:00:00	0
USW00003928_2010	12/11/2010	00:00:00	0
USW00003928_2010	12/12/2010	00:00:00	0
USW00003928_2010	12/13/2010	00:00:00	0
USW00003928_2010	12/14/2010	00:00:00	0
USW00003928_2010	12/15/2010	00:00:00	0
USW00003928_2010	12/16/2010	00:00:00	0
USW00003928_2010	12/17/2010	00:00:00	0
USW00003928_2010	12/18/2010	00:00:00	0
USW00003928_2010	12/19/2010	00:00:00	0
USW00003928_2010	12/20/2010	00:00:00	0
USW00003928_2010	12/21/2010	00:00:00	0
USW00003928_2010	12/22/2010	00:00:00	0
USW00003928_2010	12/23/2010	00:00:00	0.0393701
USW00003928_2010	12/24/2010	00:00:00	0.01968505
USW00003928_2010	12/25/2010	00:00:00	0
USW00003928_2010	12/26/2010	00:00:00	0
USW00003928_2010	12/27/2010	00:00:00	0
USW00003928_2010	12/28/2010	00:00:00	0
USW00003928_2010	12/29/2010	00:00:00	0.0393701
USW00003928_2010	12/30/2010	00:00:00	0
USW00003928_2010	12/31/2010	00:00:00	0.01968505
USW00003928_2010	01/01/2011	00:00:00	0
USW00003928_2010	01/02/2011	00:00:00	0
USW00003928_2010	01/03/2011	00:00:00	0

;Rainfall (in/day)

USW00003928_MayJuneJuly2010	05/01/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/02/2010	00:00:00	0.09842525
USW00003928_MayJuneJuly2010	05/03/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/04/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/05/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/06/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/07/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/08/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/09/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/10/2010	00:00:00	0.7283468
USW00003928_MayJuneJuly2010	05/11/2010	00:00:00	0.01968505
USW00003928_MayJuneJuly2010	05/12/2010	00:00:00	1.669292
USW00003928_MayJuneJuly2010	05/13/2010	00:00:00	0.03149608
USW00003928_MayJuneJuly2010	05/14/2010	00:00:00	0
USW00003928_MayJuneJuly2010	05/15/2010	00:00:00	0.1299213
USW00003928_MayJuneJuly2010	05/16/2010	00:00:00	0.1417324
USW00003928_MayJuneJuly2010	05/17/2010	00:00:00	0.03149608
USW00003928_MayJuneJuly2010	05/18/2010	00:00:00	0

USW00003928	_MayJuneJuly2010	05/19/2010	00:00:00	0.9015753
USW00003928	_MayJuneJuly2010	05/20/2010	00:00:00	0.0393701
USW00003928	_MayJuneJuly2010	05/21/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	05/22/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	05/23/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	05/24/2010	00:00:00	0.2716537
USW00003928	_MayJuneJuly2010	05/25/2010	00:00:00	0.8818902
USW00003928	_MayJuneJuly2010	05/26/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	05/27/2010	00:00:00	0.5314963
USW00003928	_MayJuneJuly2010	05/28/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	05/29/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	05/30/2010	00:00:00	1.000001
USW00003928	_MayJuneJuly2010	05/31/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/01/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/02/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/03/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/04/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/05/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/06/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/07/2010	00:00:00	0.6614177
USW00003928	_MayJuneJuly2010	06/08/2010	00:00:00	0.8307091
USW00003928	_MayJuneJuly2010	06/09/2010	00:00:00	0.5393704
USW00003928	_MayJuneJuly2010	06/10/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/11/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/12/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/13/2010	00:00:00	2.940947
USW00003928	_MayJuneJuly2010	06/14/2010	00:00:00	0.1614174
USW00003928	_MayJuneJuly2010	06/15/2010	00:00:00	0.0393701
USW00003928	_MayJuneJuly2010	06/16/2010	00:00:00	0.1614174
USW00003928	_MayJuneJuly2010	06/17/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/18/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/19/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/20/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/21/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/22/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/23/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/24/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/25/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/26/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/27/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/28/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/29/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	06/30/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/01/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/02/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/03/2010	00:00:00	0.2519687
USW00003928	_MayJuneJuly2010	07/04/2010	00:00:00	0.9212604
USW00003928	_MayJuneJuly2010	07/05/2010	00:00:00	0.409449
USW00003928	_MayJuneJuly2010	07/06/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/07/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/08/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/09/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/10/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/11/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/12/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/13/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/14/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/15/2010	00:00:00	0.6417326
USW00003928	_MayJuneJuly2010	07/16/2010	00:00:00	0.2992128
USW00003928	_MayJuneJuly2010	07/17/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/18/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/19/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/20/2010	00:00:00	0

USW00003928	_MayJuneJuly2010	07/21/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/22/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/23/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/24/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/25/2010	00:00:00	0.2519687
USW00003928	_MayJuneJuly2010	07/26/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/27/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/28/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/29/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/30/2010	00:00:00	0
USW00003928	_MayJuneJuly2010	07/31/2010	00:00:00	0

;Rainfall (in/day)

USW00003928	_septoctnov2013	09/01/2013	00:00:00	0.01181103
USW00003928	_septoctnov2013	09/02/2013	00:00:00	0
USW00003928	_septoctnov2013	09/03/2013	00:00:00	0
USW00003928	_septoctnov2013	09/04/2013	00:00:00	0
USW00003928	_septoctnov2013	09/05/2013	00:00:00	0
USW00003928	_septoctnov2013	09/06/2013	00:00:00	0
USW00003928	_septoctnov2013	09/07/2013	00:00:00	0
USW00003928	_septoctnov2013	09/08/2013	00:00:00	0
USW00003928	_septoctnov2013	09/09/2013	00:00:00	0
USW00003928	_septoctnov2013	09/10/2013	00:00:00	0
USW00003928	_septoctnov2013	09/11/2013	00:00:00	0
USW00003928	_septoctnov2013	09/12/2013	00:00:00	0.01181103
USW00003928	_septoctnov2013	09/13/2013	00:00:00	0
USW00003928	_septoctnov2013	09/14/2013	00:00:00	0
USW00003928	_septoctnov2013	09/15/2013	00:00:00	0.2519687
USW00003928	_septoctnov2013	09/16/2013	00:00:00	0.05905515
USW00003928	_septoctnov2013	09/17/2013	00:00:00	0.05905515
USW00003928	_septoctnov2013	09/18/2013	00:00:00	0
USW00003928	_septoctnov2013	09/19/2013	00:00:00	1.188977
USW00003928	_septoctnov2013	09/20/2013	00:00:00	0
USW00003928	_septoctnov2013	09/21/2013	00:00:00	0
USW00003928	_septoctnov2013	09/22/2013	00:00:00	0
USW00003928	_septoctnov2013	09/23/2013	00:00:00	0
USW00003928	_septoctnov2013	09/24/2013	00:00:00	0
USW00003928	_septoctnov2013	09/25/2013	00:00:00	0
USW00003928	_septoctnov2013	09/26/2013	00:00:00	0
USW00003928	_septoctnov2013	09/27/2013	00:00:00	0
USW00003928	_septoctnov2013	09/28/2013	00:00:00	0.4488191
USW00003928	_septoctnov2013	09/29/2013	00:00:00	0
USW00003928	_septoctnov2013	09/30/2013	00:00:00	0
USW00003928	_septoctnov2013	10/01/2013	00:00:00	0
USW00003928	_septoctnov2013	10/02/2013	00:00:00	0
USW00003928	_septoctnov2013	10/03/2013	00:00:00	0
USW00003928	_septoctnov2013	10/04/2013	00:00:00	0.3110238
USW00003928	_septoctnov2013	10/05/2013	00:00:00	0
USW00003928	_septoctnov2013	10/06/2013	00:00:00	0
USW00003928	_septoctnov2013	10/07/2013	00:00:00	0
USW00003928	_septoctnov2013	10/08/2013	00:00:00	0
USW00003928	_septoctnov2013	10/09/2013	00:00:00	0
USW00003928	_septoctnov2013	10/10/2013	00:00:00	0
USW00003928	_septoctnov2013	10/11/2013	00:00:00	0
USW00003928	_septoctnov2013	10/12/2013	00:00:00	0
USW00003928	_septoctnov2013	10/13/2013	00:00:00	0
USW00003928	_septoctnov2013	10/14/2013	00:00:00	0.4212601
USW00003928	_septoctnov2013	10/15/2013	00:00:00	0
USW00003928	_septoctnov2013	10/16/2013	00:00:00	0
USW00003928	_septoctnov2013	10/17/2013	00:00:00	0
USW00003928	_septoctnov2013	10/18/2013	00:00:00	0.2795277
USW00003928	_septoctnov2013	10/19/2013	00:00:00	0
USW00003928	_septoctnov2013	10/20/2013	00:00:00	0

USW00003928_septoctnov2013	10/21/2013	00:00:00	0
USW00003928_septoctnov2013	10/22/2013	00:00:00	0
USW00003928_septoctnov2013	10/23/2013	00:00:00	0
USW00003928_septoctnov2013	10/24/2013	00:00:00	0
USW00003928_septoctnov2013	10/25/2013	00:00:00	0
USW00003928_septoctnov2013	10/26/2013	00:00:00	0.01181103
USW00003928_septoctnov2013	10/27/2013	00:00:00	0
USW00003928_septoctnov2013	10/28/2013	00:00:00	0.03149608
USW00003928_septoctnov2013	10/29/2013	00:00:00	1.169292
USW00003928_septoctnov2013	10/30/2013	00:00:00	0.1692914
USW00003928_septoctnov2013	10/31/2013	00:00:00	0.6614177
USW00003928_septoctnov2013	11/01/2013	00:00:00	0
USW00003928_septoctnov2013	11/02/2013	00:00:00	0
USW00003928_septoctnov2013	11/03/2013	00:00:00	0
USW00003928_septoctnov2013	11/04/2013	00:00:00	0
USW00003928_septoctnov2013	11/05/2013	00:00:00	0.2992128
USW00003928_septoctnov2013	11/06/2013	00:00:00	0
USW00003928_septoctnov2013	11/07/2013	00:00:00	0
USW00003928_septoctnov2013	11/08/2013	00:00:00	0
USW00003928_septoctnov2013	11/09/2013	00:00:00	0
USW00003928_septoctnov2013	11/10/2013	00:00:00	0
USW00003928_septoctnov2013	11/11/2013	00:00:00	0
USW00003928_septoctnov2013	11/12/2013	00:00:00	0
USW00003928_septoctnov2013	11/13/2013	00:00:00	0
USW00003928_septoctnov2013	11/14/2013	00:00:00	0
USW00003928_septoctnov2013	11/15/2013	00:00:00	0
USW00003928_septoctnov2013	11/16/2013	00:00:00	0
USW00003928_septoctnov2013	11/17/2013	00:00:00	0
USW00003928_septoctnov2013	11/18/2013	00:00:00	0
USW00003928_septoctnov2013	11/19/2013	00:00:00	0
USW00003928_septoctnov2013	11/20/2013	00:00:00	0
USW00003928_septoctnov2013	11/21/2013	00:00:00	0.2992128
USW00003928_septoctnov2013	11/22/2013	00:00:00	0
USW00003928_septoctnov2013	11/23/2013	00:00:00	0
USW00003928_septoctnov2013	11/24/2013	00:00:00	0
USW00003928_septoctnov2013	11/25/2013	00:00:00	0
USW00003928_septoctnov2013	11/26/2013	00:00:00	0
USW00003928_septoctnov2013	11/27/2013	00:00:00	0
USW00003928_septoctnov2013	11/28/2013	00:00:00	0
USW00003928_septoctnov2013	11/29/2013	00:00:00	0
USW00003928_septoctnov2013	11/30/2013	00:00:00	0

;Rainfall (in/day)

USW00003928_yearlong2010	01/01/2010	00:00:00	0
USW00003928_yearlong2010	01/02/2010	00:00:00	0.0393701
USW00003928_yearlong2010	01/03/2010	00:00:00	0
USW00003928_yearlong2010	01/04/2010	00:00:00	0
USW00003928_yearlong2010	01/05/2010	00:00:00	0
USW00003928_yearlong2010	01/06/2010	00:00:00	0
USW00003928_yearlong2010	01/07/2010	00:00:00	0
USW00003928_yearlong2010	01/08/2010	00:00:00	0
USW00003928_yearlong2010	01/09/2010	00:00:00	0
USW00003928_yearlong2010	01/10/2010	00:00:00	0
USW00003928_yearlong2010	01/11/2010	00:00:00	0
USW00003928_yearlong2010	01/12/2010	00:00:00	0
USW00003928_yearlong2010	01/13/2010	00:00:00	0
USW00003928_yearlong2010	01/14/2010	00:00:00	0
USW00003928_yearlong2010	01/15/2010	00:00:00	0
USW00003928_yearlong2010	01/16/2010	00:00:00	0
USW00003928_yearlong2010	01/17/2010	00:00:00	0
USW00003928_yearlong2010	01/18/2010	00:00:00	0
USW00003928_yearlong2010	01/19/2010	00:00:00	0
USW00003928_yearlong2010	01/20/2010	00:00:00	0.09842525

USW00003928_yearlong2010	01/21/2010	00:00:00	0.0393701
USW00003928_yearlong2010	01/22/2010	00:00:00	0
USW00003928_yearlong2010	01/23/2010	00:00:00	0.07086618
USW00003928_yearlong2010	01/24/2010	00:00:00	0
USW00003928_yearlong2010	01/25/2010	00:00:00	0
USW00003928_yearlong2010	01/26/2010	00:00:00	0
USW00003928_yearlong2010	01/27/2010	00:00:00	0
USW00003928_yearlong2010	01/28/2010	00:00:00	0.07086618
USW00003928_yearlong2010	01/29/2010	00:00:00	0.09055123
USW00003928_yearlong2010	01/30/2010	00:00:00	0
USW00003928_yearlong2010	01/31/2010	00:00:00	0.01181103
USW00003928_yearlong2010	02/01/2010	00:00:00	0
USW00003928_yearlong2010	02/02/2010	00:00:00	0
USW00003928_yearlong2010	02/03/2010	00:00:00	0
USW00003928_yearlong2010	02/04/2010	00:00:00	0.1614174
USW00003928_yearlong2010	02/05/2010	00:00:00	0.01968505
USW00003928_yearlong2010	02/06/2010	00:00:00	0
USW00003928_yearlong2010	02/07/2010	00:00:00	0.1889765
USW00003928_yearlong2010	02/08/2010	00:00:00	0.2007875
USW00003928_yearlong2010	02/09/2010	00:00:00	0
USW00003928_yearlong2010	02/10/2010	00:00:00	0
USW00003928_yearlong2010	02/11/2010	00:00:00	0
USW00003928_yearlong2010	02/12/2010	00:00:00	0
USW00003928_yearlong2010	02/13/2010	00:00:00	0
USW00003928_yearlong2010	02/14/2010	00:00:00	0
USW00003928_yearlong2010	02/15/2010	00:00:00	0
USW00003928_yearlong2010	02/16/2010	00:00:00	0
USW00003928_yearlong2010	02/17/2010	00:00:00	0
USW00003928_yearlong2010	02/18/2010	00:00:00	0
USW00003928_yearlong2010	02/19/2010	00:00:00	0.07086618
USW00003928_yearlong2010	02/20/2010	00:00:00	0.0393701
USW00003928_yearlong2010	02/21/2010	00:00:00	0.4291341
USW00003928_yearlong2010	02/22/2010	00:00:00	0
USW00003928_yearlong2010	02/23/2010	00:00:00	0
USW00003928_yearlong2010	02/24/2010	00:00:00	0
USW00003928_yearlong2010	02/25/2010	00:00:00	0
USW00003928_yearlong2010	02/26/2010	00:00:00	0
USW00003928_yearlong2010	02/27/2010	00:00:00	0
USW00003928_yearlong2010	02/28/2010	00:00:00	0
USW00003928_yearlong2010	03/01/2010	00:00:00	0
USW00003928_yearlong2010	03/02/2010	00:00:00	0
USW00003928_yearlong2010	03/03/2010	00:00:00	0
USW00003928_yearlong2010	03/04/2010	00:00:00	0
USW00003928_yearlong2010	03/05/2010	00:00:00	0
USW00003928_yearlong2010	03/06/2010	00:00:00	0
USW00003928_yearlong2010	03/07/2010	00:00:00	0
USW00003928_yearlong2010	03/08/2010	00:00:00	1.090552
USW00003928_yearlong2010	03/09/2010	00:00:00	0.1181103
USW00003928_yearlong2010	03/10/2010	00:00:00	0.2086615
USW00003928_yearlong2010	03/11/2010	00:00:00	0.01181103
USW00003928_yearlong2010	03/12/2010	00:00:00	0
USW00003928_yearlong2010	03/13/2010	00:00:00	0
USW00003928_yearlong2010	03/14/2010	00:00:00	0
USW00003928_yearlong2010	03/15/2010	00:00:00	0
USW00003928_yearlong2010	03/16/2010	00:00:00	0
USW00003928_yearlong2010	03/17/2010	00:00:00	0
USW00003928_yearlong2010	03/18/2010	00:00:00	0
USW00003928_yearlong2010	03/19/2010	00:00:00	0.09842525
USW00003928_yearlong2010	03/20/2010	00:00:00	0.1181103
USW00003928_yearlong2010	03/21/2010	00:00:00	0
USW00003928_yearlong2010	03/22/2010	00:00:00	0
USW00003928_yearlong2010	03/23/2010	00:00:00	0
USW00003928_yearlong2010	03/24/2010	00:00:00	0.1692914

USW00003928_yearlong2010	03/25/2010	00:00:00	0
USW00003928_yearlong2010	03/26/2010	00:00:00	0
USW00003928_yearlong2010	03/27/2010	00:00:00	0
USW00003928_yearlong2010	03/28/2010	00:00:00	0
USW00003928_yearlong2010	03/29/2010	00:00:00	0
USW00003928_yearlong2010	03/30/2010	00:00:00	0
USW00003928_yearlong2010	03/31/2010	00:00:00	0
USW00003928_yearlong2010	04/01/2010	00:00:00	0
USW00003928_yearlong2010	04/02/2010	00:00:00	0.03149608
USW00003928_yearlong2010	04/03/2010	00:00:00	0
USW00003928_yearlong2010	04/04/2010	00:00:00	0
USW00003928_yearlong2010	04/05/2010	00:00:00	0
USW00003928_yearlong2010	04/06/2010	00:00:00	0
USW00003928_yearlong2010	04/07/2010	00:00:00	0
USW00003928_yearlong2010	04/08/2010	00:00:00	0
USW00003928_yearlong2010	04/09/2010	00:00:00	0
USW00003928_yearlong2010	04/10/2010	00:00:00	0
USW00003928_yearlong2010	04/11/2010	00:00:00	0
USW00003928_yearlong2010	04/12/2010	00:00:00	0
USW00003928_yearlong2010	04/13/2010	00:00:00	0
USW00003928_yearlong2010	04/14/2010	00:00:00	0
USW00003928_yearlong2010	04/15/2010	00:00:00	0
USW00003928_yearlong2010	04/16/2010	00:00:00	0.1102363
USW00003928_yearlong2010	04/17/2010	00:00:00	0
USW00003928_yearlong2010	04/18/2010	00:00:00	0
USW00003928_yearlong2010	04/19/2010	00:00:00	0
USW00003928_yearlong2010	04/20/2010	00:00:00	0
USW00003928_yearlong2010	04/21/2010	00:00:00	0.03149608
USW00003928_yearlong2010	04/22/2010	00:00:00	0.2401576
USW00003928_yearlong2010	04/23/2010	00:00:00	0.2401576
USW00003928_yearlong2010	04/24/2010	00:00:00	0.05905515
USW00003928_yearlong2010	04/25/2010	00:00:00	0
USW00003928_yearlong2010	04/26/2010	00:00:00	0
USW00003928_yearlong2010	04/27/2010	00:00:00	0
USW00003928_yearlong2010	04/28/2010	00:00:00	0
USW00003928_yearlong2010	04/29/2010	00:00:00	0
USW00003928_yearlong2010	04/30/2010	00:00:00	0.3110238
USW00003928_yearlong2010	05/01/2010	00:00:00	0
USW00003928_yearlong2010	05/02/2010	00:00:00	0.09842525
USW00003928_yearlong2010	05/03/2010	00:00:00	0
USW00003928_yearlong2010	05/04/2010	00:00:00	0
USW00003928_yearlong2010	05/05/2010	00:00:00	0
USW00003928_yearlong2010	05/06/2010	00:00:00	0
USW00003928_yearlong2010	05/07/2010	00:00:00	0
USW00003928_yearlong2010	05/08/2010	00:00:00	0
USW00003928_yearlong2010	05/09/2010	00:00:00	0
USW00003928_yearlong2010	05/10/2010	00:00:00	0.7283468
USW00003928_yearlong2010	05/11/2010	00:00:00	0.01968505
USW00003928_yearlong2010	05/12/2010	00:00:00	1.669292
USW00003928_yearlong2010	05/13/2010	00:00:00	0.03149608
USW00003928_yearlong2010	05/14/2010	00:00:00	0
USW00003928_yearlong2010	05/15/2010	00:00:00	0.1299213
USW00003928_yearlong2010	05/16/2010	00:00:00	0.1417324
USW00003928_yearlong2010	05/17/2010	00:00:00	0.03149608
USW00003928_yearlong2010	05/18/2010	00:00:00	0
USW00003928_yearlong2010	05/19/2010	00:00:00	0.9015753
USW00003928_yearlong2010	05/20/2010	00:00:00	0.0393701
USW00003928_yearlong2010	05/21/2010	00:00:00	0
USW00003928_yearlong2010	05/22/2010	00:00:00	0
USW00003928_yearlong2010	05/23/2010	00:00:00	0
USW00003928_yearlong2010	05/24/2010	00:00:00	0.2716537
USW00003928_yearlong2010	05/25/2010	00:00:00	0.8818902
USW00003928_yearlong2010	05/26/2010	00:00:00	0

USW00003928_yearlong2010	05/27/2010	00:00:00	0.5314963
USW00003928_yearlong2010	05/28/2010	00:00:00	0
USW00003928_yearlong2010	05/29/2010	00:00:00	0
USW00003928_yearlong2010	05/30/2010	00:00:00	1.000001
USW00003928_yearlong2010	05/31/2010	00:00:00	0
USW00003928_yearlong2010	06/01/2010	00:00:00	0
USW00003928_yearlong2010	06/02/2010	00:00:00	0
USW00003928_yearlong2010	06/03/2010	00:00:00	0
USW00003928_yearlong2010	06/04/2010	00:00:00	0
USW00003928_yearlong2010	06/05/2010	00:00:00	0
USW00003928_yearlong2010	06/06/2010	00:00:00	0
USW00003928_yearlong2010	06/07/2010	00:00:00	0.6614177
USW00003928_yearlong2010	06/08/2010	00:00:00	0.8307091
USW00003928_yearlong2010	06/09/2010	00:00:00	0.5393704
USW00003928_yearlong2010	06/10/2010	00:00:00	0
USW00003928_yearlong2010	06/11/2010	00:00:00	0
USW00003928_yearlong2010	06/12/2010	00:00:00	0
USW00003928_yearlong2010	06/13/2010	00:00:00	2.940947
USW00003928_yearlong2010	06/14/2010	00:00:00	0.1614174
USW00003928_yearlong2010	06/15/2010	00:00:00	0.0393701
USW00003928_yearlong2010	06/16/2010	00:00:00	0.1614174
USW00003928_yearlong2010	06/17/2010	00:00:00	0
USW00003928_yearlong2010	06/18/2010	00:00:00	0
USW00003928_yearlong2010	06/19/2010	00:00:00	0
USW00003928_yearlong2010	06/20/2010	00:00:00	0
USW00003928_yearlong2010	06/21/2010	00:00:00	0
USW00003928_yearlong2010	06/22/2010	00:00:00	0
USW00003928_yearlong2010	06/23/2010	00:00:00	0
USW00003928_yearlong2010	06/24/2010	00:00:00	0
USW00003928_yearlong2010	06/25/2010	00:00:00	0
USW00003928_yearlong2010	06/26/2010	00:00:00	0
USW00003928_yearlong2010	06/27/2010	00:00:00	0
USW00003928_yearlong2010	06/28/2010	00:00:00	0
USW00003928_yearlong2010	06/29/2010	00:00:00	0
USW00003928_yearlong2010	06/30/2010	00:00:00	0
USW00003928_yearlong2010	07/01/2010	00:00:00	0
USW00003928_yearlong2010	07/02/2010	00:00:00	0
USW00003928_yearlong2010	07/03/2010	00:00:00	0.2519687
USW00003928_yearlong2010	07/04/2010	00:00:00	0.9212604
USW00003928_yearlong2010	07/05/2010	00:00:00	0.409449
USW00003928_yearlong2010	07/06/2010	00:00:00	0
USW00003928_yearlong2010	07/07/2010	00:00:00	0
USW00003928_yearlong2010	07/08/2010	00:00:00	0
USW00003928_yearlong2010	07/09/2010	00:00:00	0
USW00003928_yearlong2010	07/10/2010	00:00:00	0
USW00003928_yearlong2010	07/11/2010	00:00:00	0
USW00003928_yearlong2010	07/12/2010	00:00:00	0
USW00003928_yearlong2010	07/13/2010	00:00:00	0
USW00003928_yearlong2010	07/14/2010	00:00:00	0
USW00003928_yearlong2010	07/15/2010	00:00:00	0.6417326
USW00003928_yearlong2010	07/16/2010	00:00:00	0.2992128
USW00003928_yearlong2010	07/17/2010	00:00:00	0
USW00003928_yearlong2010	07/18/2010	00:00:00	0
USW00003928_yearlong2010	07/19/2010	00:00:00	0
USW00003928_yearlong2010	07/20/2010	00:00:00	0
USW00003928_yearlong2010	07/21/2010	00:00:00	0
USW00003928_yearlong2010	07/22/2010	00:00:00	0
USW00003928_yearlong2010	07/23/2010	00:00:00	0
USW00003928_yearlong2010	07/24/2010	00:00:00	0
USW00003928_yearlong2010	07/25/2010	00:00:00	0.2519687
USW00003928_yearlong2010	07/26/2010	00:00:00	0
USW00003928_yearlong2010	07/27/2010	00:00:00	0
USW00003928_yearlong2010	07/28/2010	00:00:00	0

USW00003928_yearlong2010	07/29/2010	00:00:00	0
USW00003928_yearlong2010	07/30/2010	00:00:00	0
USW00003928_yearlong2010	07/31/2010	00:00:00	0
USW00003928_yearlong2010	08/01/2010	00:00:00	0
USW00003928_yearlong2010	08/02/2010	00:00:00	0
USW00003928_yearlong2010	08/03/2010	00:00:00	0
USW00003928_yearlong2010	08/04/2010	00:00:00	0
USW00003928_yearlong2010	08/05/2010	00:00:00	0
USW00003928_yearlong2010	08/06/2010	00:00:00	0
USW00003928_yearlong2010	08/07/2010	00:00:00	0
USW00003928_yearlong2010	08/08/2010	00:00:00	0
USW00003928_yearlong2010	08/09/2010	00:00:00	0
USW00003928_yearlong2010	08/10/2010	00:00:00	0.1417324
USW00003928_yearlong2010	08/11/2010	00:00:00	0
USW00003928_yearlong2010	08/12/2010	00:00:00	0
USW00003928_yearlong2010	08/13/2010	00:00:00	0
USW00003928_yearlong2010	08/14/2010	00:00:00	0.2992128
USW00003928_yearlong2010	08/15/2010	00:00:00	0.05905515
USW00003928_yearlong2010	08/16/2010	00:00:00	0
USW00003928_yearlong2010	08/17/2010	00:00:00	1.259843
USW00003928_yearlong2010	08/18/2010	00:00:00	0
USW00003928_yearlong2010	08/19/2010	00:00:00	0
USW00003928_yearlong2010	08/20/2010	00:00:00	0
USW00003928_yearlong2010	08/21/2010	00:00:00	0
USW00003928_yearlong2010	08/22/2010	00:00:00	0
USW00003928_yearlong2010	08/23/2010	00:00:00	0
USW00003928_yearlong2010	08/24/2010	00:00:00	2.500001
USW00003928_yearlong2010	08/25/2010	00:00:00	0
USW00003928_yearlong2010	08/26/2010	00:00:00	0
USW00003928_yearlong2010	08/27/2010	00:00:00	0
USW00003928_yearlong2010	08/28/2010	00:00:00	0
USW00003928_yearlong2010	08/29/2010	00:00:00	0
USW00003928_yearlong2010	08/30/2010	00:00:00	0
USW00003928_yearlong2010	08/31/2010	00:00:00	0
USW00003928_yearlong2010	09/01/2010	00:00:00	0
USW00003928_yearlong2010	09/02/2010	00:00:00	0
USW00003928_yearlong2010	09/03/2010	00:00:00	0
USW00003928_yearlong2010	09/04/2010	00:00:00	0
USW00003928_yearlong2010	09/05/2010	00:00:00	0
USW00003928_yearlong2010	09/06/2010	00:00:00	0
USW00003928_yearlong2010	09/07/2010	00:00:00	0
USW00003928_yearlong2010	09/08/2010	00:00:00	0.03149608
USW00003928_yearlong2010	09/09/2010	00:00:00	0.1614174
USW00003928_yearlong2010	09/10/2010	00:00:00	0.1181103
USW00003928_yearlong2010	09/11/2010	00:00:00	0
USW00003928_yearlong2010	09/12/2010	00:00:00	0
USW00003928_yearlong2010	09/13/2010	00:00:00	0
USW00003928_yearlong2010	09/14/2010	00:00:00	0
USW00003928_yearlong2010	09/15/2010	00:00:00	1.48819
USW00003928_yearlong2010	09/16/2010	00:00:00	0
USW00003928_yearlong2010	09/17/2010	00:00:00	0
USW00003928_yearlong2010	09/18/2010	00:00:00	0
USW00003928_yearlong2010	09/19/2010	00:00:00	0
USW00003928_yearlong2010	09/20/2010	00:00:00	0
USW00003928_yearlong2010	09/21/2010	00:00:00	0
USW00003928_yearlong2010	09/22/2010	00:00:00	0
USW00003928_yearlong2010	09/23/2010	00:00:00	0.9409454
USW00003928_yearlong2010	09/24/2010	00:00:00	0
USW00003928_yearlong2010	09/25/2010	00:00:00	0.370079
USW00003928_yearlong2010	09/26/2010	00:00:00	0
USW00003928_yearlong2010	09/27/2010	00:00:00	0
USW00003928_yearlong2010	09/28/2010	00:00:00	0
USW00003928_yearlong2010	09/29/2010	00:00:00	0

USW00003928_yearlong2010	12/02/2010	00:00:00	0
USW00003928_yearlong2010	12/03/2010	00:00:00	0
USW00003928_yearlong2010	12/04/2010	00:00:00	0
USW00003928_yearlong2010	12/05/2010	00:00:00	0
USW00003928_yearlong2010	12/06/2010	00:00:00	0
USW00003928_yearlong2010	12/07/2010	00:00:00	0
USW00003928_yearlong2010	12/08/2010	00:00:00	0
USW00003928_yearlong2010	12/09/2010	00:00:00	0
USW00003928_yearlong2010	12/10/2010	00:00:00	0
USW00003928_yearlong2010	12/11/2010	00:00:00	0
USW00003928_yearlong2010	12/12/2010	00:00:00	0
USW00003928_yearlong2010	12/13/2010	00:00:00	0
USW00003928_yearlong2010	12/14/2010	00:00:00	0
USW00003928_yearlong2010	12/15/2010	00:00:00	0
USW00003928_yearlong2010	12/16/2010	00:00:00	0
USW00003928_yearlong2010	12/17/2010	00:00:00	0
USW00003928_yearlong2010	12/18/2010	00:00:00	0
USW00003928_yearlong2010	12/19/2010	00:00:00	0
USW00003928_yearlong2010	12/20/2010	00:00:00	0
USW00003928_yearlong2010	12/21/2010	00:00:00	0
USW00003928_yearlong2010	12/22/2010	00:00:00	0
USW00003928_yearlong2010	12/23/2010	00:00:00	0.0393701
USW00003928_yearlong2010	12/24/2010	00:00:00	0.01968505
USW00003928_yearlong2010	12/25/2010	00:00:00	0
USW00003928_yearlong2010	12/26/2010	00:00:00	0
USW00003928_yearlong2010	12/27/2010	00:00:00	0
USW00003928_yearlong2010	12/28/2010	00:00:00	0
USW00003928_yearlong2010	12/29/2010	00:00:00	0.0393701
USW00003928_yearlong2010	12/30/2010	00:00:00	0
USW00003928_yearlong2010	12/31/2010	00:00:00	0.01968505

;Rainfall (in/day)

USW00003928_yearlong2011	01/01/2011	00:00:00	0
USW00003928_yearlong2011	01/02/2011	00:00:00	0
USW00003928_yearlong2011	01/03/2011	00:00:00	0
USW00003928_yearlong2011	01/04/2011	00:00:00	0
USW00003928_yearlong2011	01/05/2011	00:00:00	0
USW00003928_yearlong2011	01/06/2011	00:00:00	0
USW00003928_yearlong2011	01/07/2011	00:00:00	0
USW00003928_yearlong2011	01/08/2011	00:00:00	0
USW00003928_yearlong2011	01/09/2011	00:00:00	0.0787402
USW00003928_yearlong2011	01/10/2011	00:00:00	0.2401576
USW00003928_yearlong2011	01/11/2011	00:00:00	0
USW00003928_yearlong2011	01/12/2011	00:00:00	0
USW00003928_yearlong2011	01/13/2011	00:00:00	0
USW00003928_yearlong2011	01/14/2011	00:00:00	0
USW00003928_yearlong2011	01/15/2011	00:00:00	0
USW00003928_yearlong2011	01/16/2011	00:00:00	0
USW00003928_yearlong2011	01/17/2011	00:00:00	0
USW00003928_yearlong2011	01/18/2011	00:00:00	0
USW00003928_yearlong2011	01/19/2011	00:00:00	0.01968505
USW00003928_yearlong2011	01/20/2011	00:00:00	0
USW00003928_yearlong2011	01/21/2011	00:00:00	0
USW00003928_yearlong2011	01/22/2011	00:00:00	0
USW00003928_yearlong2011	01/23/2011	00:00:00	0
USW00003928_yearlong2011	01/24/2011	00:00:00	0
USW00003928_yearlong2011	01/25/2011	00:00:00	0
USW00003928_yearlong2011	01/26/2011	00:00:00	0
USW00003928_yearlong2011	01/27/2011	00:00:00	0
USW00003928_yearlong2011	01/28/2011	00:00:00	0
USW00003928_yearlong2011	01/29/2011	00:00:00	0
USW00003928_yearlong2011	01/30/2011	00:00:00	0
USW00003928_yearlong2011	01/31/2011	00:00:00	0

USW00003928_yearlong2011	02/01/2011	00:00:00	0.1417324
USW00003928_yearlong2011	02/02/2011	00:00:00	0
USW00003928_yearlong2011	02/03/2011	00:00:00	0
USW00003928_yearlong2011	02/04/2011	00:00:00	0
USW00003928_yearlong2011	02/05/2011	00:00:00	0
USW00003928_yearlong2011	02/06/2011	00:00:00	0
USW00003928_yearlong2011	02/07/2011	00:00:00	0
USW00003928_yearlong2011	02/08/2011	00:00:00	0.3503939
USW00003928_yearlong2011	02/09/2011	00:00:00	0.09055123
USW00003928_yearlong2011	02/10/2011	00:00:00	0
USW00003928_yearlong2011	02/11/2011	00:00:00	0
USW00003928_yearlong2011	02/12/2011	00:00:00	0
USW00003928_yearlong2011	02/13/2011	00:00:00	0
USW00003928_yearlong2011	02/14/2011	00:00:00	0
USW00003928_yearlong2011	02/15/2011	00:00:00	0
USW00003928_yearlong2011	02/16/2011	00:00:00	0
USW00003928_yearlong2011	02/17/2011	00:00:00	0
USW00003928_yearlong2011	02/18/2011	00:00:00	0
USW00003928_yearlong2011	02/19/2011	00:00:00	0
USW00003928_yearlong2011	02/20/2011	00:00:00	0
USW00003928_yearlong2011	02/21/2011	00:00:00	0
USW00003928_yearlong2011	02/22/2011	00:00:00	0
USW00003928_yearlong2011	02/23/2011	00:00:00	0
USW00003928_yearlong2011	02/24/2011	00:00:00	0.0787402
USW00003928_yearlong2011	02/25/2011	00:00:00	0
USW00003928_yearlong2011	02/26/2011	00:00:00	0
USW00003928_yearlong2011	02/27/2011	00:00:00	0.7283468
USW00003928_yearlong2011	02/28/2011	00:00:00	0
USW00003928_yearlong2011	03/01/2011	00:00:00	0
USW00003928_yearlong2011	03/02/2011	00:00:00	0
USW00003928_yearlong2011	03/03/2011	00:00:00	0
USW00003928_yearlong2011	03/04/2011	00:00:00	0
USW00003928_yearlong2011	03/05/2011	00:00:00	0
USW00003928_yearlong2011	03/06/2011	00:00:00	0
USW00003928_yearlong2011	03/07/2011	00:00:00	0
USW00003928_yearlong2011	03/08/2011	00:00:00	0.6496066
USW00003928_yearlong2011	03/09/2011	00:00:00	0
USW00003928_yearlong2011	03/10/2011	00:00:00	0
USW00003928_yearlong2011	03/11/2011	00:00:00	0
USW00003928_yearlong2011	03/12/2011	00:00:00	0
USW00003928_yearlong2011	03/13/2011	00:00:00	0.1102363
USW00003928_yearlong2011	03/14/2011	00:00:00	0
USW00003928_yearlong2011	03/15/2011	00:00:00	0
USW00003928_yearlong2011	03/16/2011	00:00:00	0
USW00003928_yearlong2011	03/17/2011	00:00:00	0
USW00003928_yearlong2011	03/18/2011	00:00:00	0
USW00003928_yearlong2011	03/19/2011	00:00:00	0.03149608
USW00003928_yearlong2011	03/20/2011	00:00:00	0
USW00003928_yearlong2011	03/21/2011	00:00:00	0
USW00003928_yearlong2011	03/22/2011	00:00:00	0
USW00003928_yearlong2011	03/23/2011	00:00:00	0
USW00003928_yearlong2011	03/24/2011	00:00:00	0.1417324
USW00003928_yearlong2011	03/25/2011	00:00:00	0
USW00003928_yearlong2011	03/26/2011	00:00:00	0.01181103
USW00003928_yearlong2011	03/27/2011	00:00:00	0
USW00003928_yearlong2011	03/28/2011	00:00:00	0.01181103
USW00003928_yearlong2011	03/29/2011	00:00:00	0
USW00003928_yearlong2011	03/30/2011	00:00:00	0
USW00003928_yearlong2011	03/31/2011	00:00:00	0.01968505
USW00003928_yearlong2011	04/01/2011	00:00:00	0
USW00003928_yearlong2011	04/02/2011	00:00:00	0
USW00003928_yearlong2011	04/03/2011	00:00:00	0
USW00003928_yearlong2011	04/04/2011	00:00:00	0

USW00003928_yearlong2011	04/05/2011	00:00:00	0
USW00003928_yearlong2011	04/06/2011	00:00:00	0
USW00003928_yearlong2011	04/07/2011	00:00:00	0.01181103
USW00003928_yearlong2011	04/08/2011	00:00:00	0.01181103
USW00003928_yearlong2011	04/09/2011	00:00:00	0
USW00003928_yearlong2011	04/10/2011	00:00:00	0
USW00003928_yearlong2011	04/11/2011	00:00:00	0
USW00003928_yearlong2011	04/12/2011	00:00:00	0
USW00003928_yearlong2011	04/13/2011	00:00:00	0
USW00003928_yearlong2011	04/14/2011	00:00:00	0
USW00003928_yearlong2011	04/15/2011	00:00:00	0.1299213
USW00003928_yearlong2011	04/16/2011	00:00:00	0
USW00003928_yearlong2011	04/17/2011	00:00:00	0
USW00003928_yearlong2011	04/18/2011	00:00:00	0
USW00003928_yearlong2011	04/19/2011	00:00:00	0
USW00003928_yearlong2011	04/20/2011	00:00:00	0
USW00003928_yearlong2011	04/21/2011	00:00:00	0.01181103
USW00003928_yearlong2011	04/22/2011	00:00:00	0.05118113
USW00003928_yearlong2011	04/23/2011	00:00:00	0
USW00003928_yearlong2011	04/24/2011	00:00:00	0
USW00003928_yearlong2011	04/25/2011	00:00:00	1.188977
USW00003928_yearlong2011	04/26/2011	00:00:00	0.05118113
USW00003928_yearlong2011	04/27/2011	00:00:00	0.01181103
USW00003928_yearlong2011	04/28/2011	00:00:00	0
USW00003928_yearlong2011	04/29/2011	00:00:00	0
USW00003928_yearlong2011	04/30/2011	00:00:00	0
USW00003928_yearlong2011	05/01/2011	00:00:00	0.01181103
USW00003928_yearlong2011	05/02/2011	00:00:00	0.03149608
USW00003928_yearlong2011	05/03/2011	00:00:00	0
USW00003928_yearlong2011	05/04/2011	00:00:00	0
USW00003928_yearlong2011	05/05/2011	00:00:00	0
USW00003928_yearlong2011	05/06/2011	00:00:00	0
USW00003928_yearlong2011	05/07/2011	00:00:00	0
USW00003928_yearlong2011	05/08/2011	00:00:00	0
USW00003928_yearlong2011	05/09/2011	00:00:00	0
USW00003928_yearlong2011	05/10/2011	00:00:00	0
USW00003928_yearlong2011	05/11/2011	00:00:00	0.05118113
USW00003928_yearlong2011	05/12/2011	00:00:00	0
USW00003928_yearlong2011	05/13/2011	00:00:00	0.1181103
USW00003928_yearlong2011	05/14/2011	00:00:00	0
USW00003928_yearlong2011	05/15/2011	00:00:00	0
USW00003928_yearlong2011	05/16/2011	00:00:00	0
USW00003928_yearlong2011	05/17/2011	00:00:00	0
USW00003928_yearlong2011	05/18/2011	00:00:00	0.05905515
USW00003928_yearlong2011	05/19/2011	00:00:00	0
USW00003928_yearlong2011	05/20/2011	00:00:00	1.141733
USW00003928_yearlong2011	05/21/2011	00:00:00	0
USW00003928_yearlong2011	05/22/2011	00:00:00	0
USW00003928_yearlong2011	05/23/2011	00:00:00	0
USW00003928_yearlong2011	05/24/2011	00:00:00	0.2283466
USW00003928_yearlong2011	05/25/2011	00:00:00	0.5590554
USW00003928_yearlong2011	05/26/2011	00:00:00	0
USW00003928_yearlong2011	05/27/2011	00:00:00	0
USW00003928_yearlong2011	05/28/2011	00:00:00	0.01181103
USW00003928_yearlong2011	05/29/2011	00:00:00	0
USW00003928_yearlong2011	05/30/2011	00:00:00	0
USW00003928_yearlong2011	05/31/2011	00:00:00	0.2401576
USW00003928_yearlong2011	06/01/2011	00:00:00	0
USW00003928_yearlong2011	06/02/2011	00:00:00	0
USW00003928_yearlong2011	06/03/2011	00:00:00	0
USW00003928_yearlong2011	06/04/2011	00:00:00	0
USW00003928_yearlong2011	06/05/2011	00:00:00	0
USW00003928_yearlong2011	06/06/2011	00:00:00	0

USW00003928_yearlong2011	06/07/2011	00:00:00	0
USW00003928_yearlong2011	06/08/2011	00:00:00	0
USW00003928_yearlong2011	06/09/2011	00:00:00	2.818899
USW00003928_yearlong2011	06/10/2011	00:00:00	0
USW00003928_yearlong2011	06/11/2011	00:00:00	0.1299213
USW00003928_yearlong2011	06/12/2011	00:00:00	0.779528
USW00003928_yearlong2011	06/13/2011	00:00:00	0.01181103
USW00003928_yearlong2011	06/14/2011	00:00:00	0
USW00003928_yearlong2011	06/15/2011	00:00:00	0
USW00003928_yearlong2011	06/16/2011	00:00:00	0.6181106
USW00003928_yearlong2011	06/17/2011	00:00:00	0
USW00003928_yearlong2011	06/18/2011	00:00:00	0
USW00003928_yearlong2011	06/19/2011	00:00:00	0
USW00003928_yearlong2011	06/20/2011	00:00:00	0.370079
USW00003928_yearlong2011	06/21/2011	00:00:00	0
USW00003928_yearlong2011	06/22/2011	00:00:00	0
USW00003928_yearlong2011	06/23/2011	00:00:00	0
USW00003928_yearlong2011	06/24/2011	00:00:00	0
USW00003928_yearlong2011	06/25/2011	00:00:00	0
USW00003928_yearlong2011	06/26/2011	00:00:00	0
USW00003928_yearlong2011	06/27/2011	00:00:00	0
USW00003928_yearlong2011	06/28/2011	00:00:00	0
USW00003928_yearlong2011	06/29/2011	00:00:00	0
USW00003928_yearlong2011	06/30/2011	00:00:00	0
USW00003928_yearlong2011	07/01/2011	00:00:00	0
USW00003928_yearlong2011	07/02/2011	00:00:00	0
USW00003928_yearlong2011	07/03/2011	00:00:00	0.3188978
USW00003928_yearlong2011	07/04/2011	00:00:00	0
USW00003928_yearlong2011	07/05/2011	00:00:00	0
USW00003928_yearlong2011	07/06/2011	00:00:00	0
USW00003928_yearlong2011	07/07/2011	00:00:00	0
USW00003928_yearlong2011	07/08/2011	00:00:00	0
USW00003928_yearlong2011	07/09/2011	00:00:00	0
USW00003928_yearlong2011	07/10/2011	00:00:00	0
USW00003928_yearlong2011	07/11/2011	00:00:00	0
USW00003928_yearlong2011	07/12/2011	00:00:00	0.01181103
USW00003928_yearlong2011	07/13/2011	00:00:00	0
USW00003928_yearlong2011	07/14/2011	00:00:00	0
USW00003928_yearlong2011	07/15/2011	00:00:00	0
USW00003928_yearlong2011	07/16/2011	00:00:00	0
USW00003928_yearlong2011	07/17/2011	00:00:00	0
USW00003928_yearlong2011	07/18/2011	00:00:00	0
USW00003928_yearlong2011	07/19/2011	00:00:00	0
USW00003928_yearlong2011	07/20/2011	00:00:00	0
USW00003928_yearlong2011	07/21/2011	00:00:00	0
USW00003928_yearlong2011	07/22/2011	00:00:00	0
USW00003928_yearlong2011	07/23/2011	00:00:00	0
USW00003928_yearlong2011	07/24/2011	00:00:00	0
USW00003928_yearlong2011	07/25/2011	00:00:00	0.01968505
USW00003928_yearlong2011	07/26/2011	00:00:00	0
USW00003928_yearlong2011	07/27/2011	00:00:00	0
USW00003928_yearlong2011	07/28/2011	00:00:00	0
USW00003928_yearlong2011	07/29/2011	00:00:00	1.098426
USW00003928_yearlong2011	07/30/2011	00:00:00	0
USW00003928_yearlong2011	07/31/2011	00:00:00	0
USW00003928_yearlong2011	08/01/2011	00:00:00	0
USW00003928_yearlong2011	08/02/2011	00:00:00	0
USW00003928_yearlong2011	08/03/2011	00:00:00	2.019686
USW00003928_yearlong2011	08/04/2011	00:00:00	0.05118113
USW00003928_yearlong2011	08/05/2011	00:00:00	0
USW00003928_yearlong2011	08/06/2011	00:00:00	0.3307088
USW00003928_yearlong2011	08/07/2011	00:00:00	0
USW00003928_yearlong2011	08/08/2011	00:00:00	0.01181103

USW00003928_yearlong2011	08/09/2011	00:00:00	0.01181103
USW00003928_yearlong2011	08/10/2011	00:00:00	0.9015753
USW00003928_yearlong2011	08/11/2011	00:00:00	0
USW00003928_yearlong2011	08/12/2011	00:00:00	0.01181103
USW00003928_yearlong2011	08/13/2011	00:00:00	0
USW00003928_yearlong2011	08/14/2011	00:00:00	0
USW00003928_yearlong2011	08/15/2011	00:00:00	0
USW00003928_yearlong2011	08/16/2011	00:00:00	0
USW00003928_yearlong2011	08/17/2011	00:00:00	0.0787402
USW00003928_yearlong2011	08/18/2011	00:00:00	0
USW00003928_yearlong2011	08/19/2011	00:00:00	0
USW00003928_yearlong2011	08/20/2011	00:00:00	0.01181103
USW00003928_yearlong2011	08/21/2011	00:00:00	0
USW00003928_yearlong2011	08/22/2011	00:00:00	0.03149608
USW00003928_yearlong2011	08/23/2011	00:00:00	0
USW00003928_yearlong2011	08/24/2011	00:00:00	0
USW00003928_yearlong2011	08/25/2011	00:00:00	0
USW00003928_yearlong2011	08/26/2011	00:00:00	0
USW00003928_yearlong2011	08/27/2011	00:00:00	0
USW00003928_yearlong2011	08/28/2011	00:00:00	0
USW00003928_yearlong2011	08/29/2011	00:00:00	0
USW00003928_yearlong2011	08/30/2011	00:00:00	0
USW00003928_yearlong2011	08/31/2011	00:00:00	0
USW00003928_yearlong2011	09/01/2011	00:00:00	0
USW00003928_yearlong2011	09/02/2011	00:00:00	0
USW00003928_yearlong2011	09/03/2011	00:00:00	0.2716537
USW00003928_yearlong2011	09/04/2011	00:00:00	0
USW00003928_yearlong2011	09/05/2011	00:00:00	0
USW00003928_yearlong2011	09/06/2011	00:00:00	0
USW00003928_yearlong2011	09/07/2011	00:00:00	0
USW00003928_yearlong2011	09/08/2011	00:00:00	0
USW00003928_yearlong2011	09/09/2011	00:00:00	0.03149608
USW00003928_yearlong2011	09/10/2011	00:00:00	0
USW00003928_yearlong2011	09/11/2011	00:00:00	0
USW00003928_yearlong2011	09/12/2011	00:00:00	0
USW00003928_yearlong2011	09/13/2011	00:00:00	0
USW00003928_yearlong2011	09/14/2011	00:00:00	0.01181103
USW00003928_yearlong2011	09/15/2011	00:00:00	0
USW00003928_yearlong2011	09/16/2011	00:00:00	0.03149608
USW00003928_yearlong2011	09/17/2011	00:00:00	0.4291341
USW00003928_yearlong2011	09/18/2011	00:00:00	0.2086615
USW00003928_yearlong2011	09/19/2011	00:00:00	0
USW00003928_yearlong2011	09/20/2011	00:00:00	0
USW00003928_yearlong2011	09/21/2011	00:00:00	0
USW00003928_yearlong2011	09/22/2011	00:00:00	0
USW00003928_yearlong2011	09/23/2011	00:00:00	0
USW00003928_yearlong2011	09/24/2011	00:00:00	0
USW00003928_yearlong2011	09/25/2011	00:00:00	0
USW00003928_yearlong2011	09/26/2011	00:00:00	0
USW00003928_yearlong2011	09/27/2011	00:00:00	0
USW00003928_yearlong2011	09/28/2011	00:00:00	0
USW00003928_yearlong2011	09/29/2011	00:00:00	0
USW00003928_yearlong2011	09/30/2011	00:00:00	0
USW00003928_yearlong2011	10/01/2011	00:00:00	0
USW00003928_yearlong2011	10/02/2011	00:00:00	0
USW00003928_yearlong2011	10/03/2011	00:00:00	0
USW00003928_yearlong2011	10/04/2011	00:00:00	0
USW00003928_yearlong2011	10/05/2011	00:00:00	0
USW00003928_yearlong2011	10/06/2011	00:00:00	0.01181103
USW00003928_yearlong2011	10/07/2011	00:00:00	0
USW00003928_yearlong2011	10/08/2011	00:00:00	0.8385831
USW00003928_yearlong2011	10/09/2011	00:00:00	0.9685045
USW00003928_yearlong2011	10/10/2011	00:00:00	0

USW00003928_yearlong2011	10/11/2011	00:00:00	0
USW00003928_yearlong2011	10/12/2011	00:00:00	0
USW00003928_yearlong2011	10/13/2011	00:00:00	0
USW00003928_yearlong2011	10/14/2011	00:00:00	0
USW00003928_yearlong2011	10/15/2011	00:00:00	0
USW00003928_yearlong2011	10/16/2011	00:00:00	0
USW00003928_yearlong2011	10/17/2011	00:00:00	0
USW00003928_yearlong2011	10/18/2011	00:00:00	0
USW00003928_yearlong2011	10/19/2011	00:00:00	0
USW00003928_yearlong2011	10/20/2011	00:00:00	0
USW00003928_yearlong2011	10/21/2011	00:00:00	0
USW00003928_yearlong2011	10/22/2011	00:00:00	0
USW00003928_yearlong2011	10/23/2011	00:00:00	0
USW00003928_yearlong2011	10/24/2011	00:00:00	0
USW00003928_yearlong2011	10/25/2011	00:00:00	0
USW00003928_yearlong2011	10/26/2011	00:00:00	0
USW00003928_yearlong2011	10/27/2011	00:00:00	0.01181103
USW00003928_yearlong2011	10/28/2011	00:00:00	0
USW00003928_yearlong2011	10/29/2011	00:00:00	0
USW00003928_yearlong2011	10/30/2011	00:00:00	0
USW00003928_yearlong2011	10/31/2011	00:00:00	0
USW00003928_yearlong2011	11/01/2011	00:00:00	0
USW00003928_yearlong2011	11/02/2011	00:00:00	0.1692914
USW00003928_yearlong2011	11/03/2011	00:00:00	0
USW00003928_yearlong2011	11/04/2011	00:00:00	0
USW00003928_yearlong2011	11/05/2011	00:00:00	0
USW00003928_yearlong2011	11/06/2011	00:00:00	0
USW00003928_yearlong2011	11/07/2011	00:00:00	1.720473
USW00003928_yearlong2011	11/08/2011	00:00:00	0.2992128
USW00003928_yearlong2011	11/09/2011	00:00:00	0
USW00003928_yearlong2011	11/10/2011	00:00:00	0
USW00003928_yearlong2011	11/11/2011	00:00:00	0
USW00003928_yearlong2011	11/12/2011	00:00:00	0
USW00003928_yearlong2011	11/13/2011	00:00:00	0
USW00003928_yearlong2011	11/14/2011	00:00:00	0
USW00003928_yearlong2011	11/15/2011	00:00:00	0
USW00003928_yearlong2011	11/16/2011	00:00:00	0
USW00003928_yearlong2011	11/17/2011	00:00:00	0
USW00003928_yearlong2011	11/18/2011	00:00:00	0
USW00003928_yearlong2011	11/19/2011	00:00:00	0
USW00003928_yearlong2011	11/20/2011	00:00:00	0
USW00003928_yearlong2011	11/21/2011	00:00:00	0.3188978
USW00003928_yearlong2011	11/22/2011	00:00:00	0
USW00003928_yearlong2011	11/23/2011	00:00:00	0
USW00003928_yearlong2011	11/24/2011	00:00:00	0
USW00003928_yearlong2011	11/25/2011	00:00:00	0.2086615
USW00003928_yearlong2011	11/26/2011	00:00:00	0.5984255
USW00003928_yearlong2011	11/27/2011	00:00:00	0
USW00003928_yearlong2011	11/28/2011	00:00:00	0
USW00003928_yearlong2011	11/29/2011	00:00:00	0
USW00003928_yearlong2011	11/30/2011	00:00:00	0
USW00003928_yearlong2011	12/01/2011	00:00:00	0
USW00003928_yearlong2011	12/02/2011	00:00:00	0.01181103
USW00003928_yearlong2011	12/03/2011	00:00:00	0.7204728
USW00003928_yearlong2011	12/04/2011	00:00:00	0
USW00003928_yearlong2011	12/05/2011	00:00:00	0
USW00003928_yearlong2011	12/06/2011	00:00:00	0.01181103
USW00003928_yearlong2011	12/07/2011	00:00:00	0
USW00003928_yearlong2011	12/08/2011	00:00:00	0
USW00003928_yearlong2011	12/09/2011	00:00:00	0
USW00003928_yearlong2011	12/10/2011	00:00:00	0
USW00003928_yearlong2011	12/11/2011	00:00:00	0.01181103
USW00003928_yearlong2011	12/12/2011	00:00:00	0

USW00003928_yearlong2011	12/13/2011	00:00:00	0.2598427
USW00003928_yearlong2011	12/14/2011	00:00:00	0.7086618
USW00003928_yearlong2011	12/15/2011	00:00:00	0
USW00003928_yearlong2011	12/16/2011	00:00:00	0
USW00003928_yearlong2011	12/17/2011	00:00:00	0
USW00003928_yearlong2011	12/18/2011	00:00:00	0
USW00003928_yearlong2011	12/19/2011	00:00:00	1.889765
USW00003928_yearlong2011	12/20/2011	00:00:00	0.0787402
USW00003928_yearlong2011	12/21/2011	00:00:00	0
USW00003928_yearlong2011	12/22/2011	00:00:00	0
USW00003928_yearlong2011	12/23/2011	00:00:00	0
USW00003928_yearlong2011	12/24/2011	00:00:00	0
USW00003928_yearlong2011	12/25/2011	00:00:00	0
USW00003928_yearlong2011	12/26/2011	00:00:00	0
USW00003928_yearlong2011	12/27/2011	00:00:00	0
USW00003928_yearlong2011	12/28/2011	00:00:00	0
USW00003928_yearlong2011	12/29/2011	00:00:00	0
USW00003928_yearlong2011	12/30/2011	00:00:00	0
USW00003928_yearlong2011	12/31/2011	00:00:00	0

;Rainfall (in/day)

USW00003928_yearlong2013	01/01/2013	00:00:00	0.05905515
USW00003928_yearlong2013	01/02/2013	00:00:00	0
USW00003928_yearlong2013	01/03/2013	00:00:00	0
USW00003928_yearlong2013	01/04/2013	00:00:00	0
USW00003928_yearlong2013	01/05/2013	00:00:00	0
USW00003928_yearlong2013	01/06/2013	00:00:00	0
USW00003928_yearlong2013	01/07/2013	00:00:00	0
USW00003928_yearlong2013	01/08/2013	00:00:00	0
USW00003928_yearlong2013	01/09/2013	00:00:00	0
USW00003928_yearlong2013	01/10/2013	00:00:00	0.4685042
USW00003928_yearlong2013	01/11/2013	00:00:00	0
USW00003928_yearlong2013	01/12/2013	00:00:00	0
USW00003928_yearlong2013	01/13/2013	00:00:00	0
USW00003928_yearlong2013	01/14/2013	00:00:00	0
USW00003928_yearlong2013	01/15/2013	00:00:00	0
USW00003928_yearlong2013	01/16/2013	00:00:00	0
USW00003928_yearlong2013	01/17/2013	00:00:00	0
USW00003928_yearlong2013	01/18/2013	00:00:00	0
USW00003928_yearlong2013	01/19/2013	00:00:00	0
USW00003928_yearlong2013	01/20/2013	00:00:00	0
USW00003928_yearlong2013	01/21/2013	00:00:00	0
USW00003928_yearlong2013	01/22/2013	00:00:00	0
USW00003928_yearlong2013	01/23/2013	00:00:00	0
USW00003928_yearlong2013	01/24/2013	00:00:00	0
USW00003928_yearlong2013	01/25/2013	00:00:00	0
USW00003928_yearlong2013	01/26/2013	00:00:00	0.01181103
USW00003928_yearlong2013	01/27/2013	00:00:00	0
USW00003928_yearlong2013	01/28/2013	00:00:00	0
USW00003928_yearlong2013	01/29/2013	00:00:00	0.01968505
USW00003928_yearlong2013	01/30/2013	00:00:00	0
USW00003928_yearlong2013	01/31/2013	00:00:00	0.01181103
USW00003928_yearlong2013	02/01/2013	00:00:00	0
USW00003928_yearlong2013	02/02/2013	00:00:00	0
USW00003928_yearlong2013	02/03/2013	00:00:00	0
USW00003928_yearlong2013	02/04/2013	00:00:00	0
USW00003928_yearlong2013	02/05/2013	00:00:00	0
USW00003928_yearlong2013	02/06/2013	00:00:00	0
USW00003928_yearlong2013	02/07/2013	00:00:00	0.2086615
USW00003928_yearlong2013	02/08/2013	00:00:00	0
USW00003928_yearlong2013	02/09/2013	00:00:00	0.01968505
USW00003928_yearlong2013	02/10/2013	00:00:00	0.0393701
USW00003928_yearlong2013	02/11/2013	00:00:00	0

USW00003928_yearlong2013	02/12/2013	00:00:00	0
USW00003928_yearlong2013	02/13/2013	00:00:00	0
USW00003928_yearlong2013	02/14/2013	00:00:00	0
USW00003928_yearlong2013	02/15/2013	00:00:00	0
USW00003928_yearlong2013	02/16/2013	00:00:00	0
USW00003928_yearlong2013	02/17/2013	00:00:00	0
USW00003928_yearlong2013	02/18/2013	00:00:00	0
USW00003928_yearlong2013	02/19/2013	00:00:00	0
USW00003928_yearlong2013	02/20/2013	00:00:00	0.5314963
USW00003928_yearlong2013	02/21/2013	00:00:00	0.9488194
USW00003928_yearlong2013	02/22/2013	00:00:00	0
USW00003928_yearlong2013	02/23/2013	00:00:00	0
USW00003928_yearlong2013	02/24/2013	00:00:00	0
USW00003928_yearlong2013	02/25/2013	00:00:00	0.389764
USW00003928_yearlong2013	02/26/2013	00:00:00	0.2795277
USW00003928_yearlong2013	02/27/2013	00:00:00	0.03149608
USW00003928_yearlong2013	02/28/2013	00:00:00	0
USW00003928_yearlong2013	03/01/2013	00:00:00	0
USW00003928_yearlong2013	03/02/2013	00:00:00	0
USW00003928_yearlong2013	03/03/2013	00:00:00	0
USW00003928_yearlong2013	03/04/2013	00:00:00	0.0393701
USW00003928_yearlong2013	03/05/2013	00:00:00	0
USW00003928_yearlong2013	03/06/2013	00:00:00	0
USW00003928_yearlong2013	03/07/2013	00:00:00	0
USW00003928_yearlong2013	03/08/2013	00:00:00	0
USW00003928_yearlong2013	03/09/2013	00:00:00	0.771654
USW00003928_yearlong2013	03/10/2013	00:00:00	0
USW00003928_yearlong2013	03/11/2013	00:00:00	0
USW00003928_yearlong2013	03/12/2013	00:00:00	0
USW00003928_yearlong2013	03/13/2013	00:00:00	0
USW00003928_yearlong2013	03/14/2013	00:00:00	0
USW00003928_yearlong2013	03/15/2013	00:00:00	0
USW00003928_yearlong2013	03/16/2013	00:00:00	0
USW00003928_yearlong2013	03/17/2013	00:00:00	0.01968505
USW00003928_yearlong2013	03/18/2013	00:00:00	0
USW00003928_yearlong2013	03/19/2013	00:00:00	0
USW00003928_yearlong2013	03/20/2013	00:00:00	0
USW00003928_yearlong2013	03/21/2013	00:00:00	0
USW00003928_yearlong2013	03/22/2013	00:00:00	0
USW00003928_yearlong2013	03/23/2013	00:00:00	0.401575
USW00003928_yearlong2013	03/24/2013	00:00:00	0.389764
USW00003928_yearlong2013	03/25/2013	00:00:00	0
USW00003928_yearlong2013	03/26/2013	00:00:00	0
USW00003928_yearlong2013	03/27/2013	00:00:00	0
USW00003928_yearlong2013	03/28/2013	00:00:00	0
USW00003928_yearlong2013	03/29/2013	00:00:00	0
USW00003928_yearlong2013	03/30/2013	00:00:00	0.4685042
USW00003928_yearlong2013	03/31/2013	00:00:00	0.01968505
USW00003928_yearlong2013	04/01/2013	00:00:00	0.2598427
USW00003928_yearlong2013	04/02/2013	00:00:00	0.1299213
USW00003928_yearlong2013	04/03/2013	00:00:00	0
USW00003928_yearlong2013	04/04/2013	00:00:00	0
USW00003928_yearlong2013	04/05/2013	00:00:00	0
USW00003928_yearlong2013	04/06/2013	00:00:00	0
USW00003928_yearlong2013	04/07/2013	00:00:00	0.0393701
USW00003928_yearlong2013	04/08/2013	00:00:00	0
USW00003928_yearlong2013	04/09/2013	00:00:00	0.4803152
USW00003928_yearlong2013	04/10/2013	00:00:00	0.7204728
USW00003928_yearlong2013	04/11/2013	00:00:00	0
USW00003928_yearlong2013	04/12/2013	00:00:00	0
USW00003928_yearlong2013	04/13/2013	00:00:00	0
USW00003928_yearlong2013	04/14/2013	00:00:00	0
USW00003928_yearlong2013	04/15/2013	00:00:00	0

USW00003928_yearlong2013	04/16/2013	00:00:00	0.01968505
USW00003928_yearlong2013	04/17/2013	00:00:00	0.2401576
USW00003928_yearlong2013	04/18/2013	00:00:00	0.07086618
USW00003928_yearlong2013	04/19/2013	00:00:00	0
USW00003928_yearlong2013	04/20/2013	00:00:00	0
USW00003928_yearlong2013	04/21/2013	00:00:00	0
USW00003928_yearlong2013	04/22/2013	00:00:00	0.6181106
USW00003928_yearlong2013	04/23/2013	00:00:00	0.6811028
USW00003928_yearlong2013	04/24/2013	00:00:00	0
USW00003928_yearlong2013	04/25/2013	00:00:00	0
USW00003928_yearlong2013	04/26/2013	00:00:00	0.1889765
USW00003928_yearlong2013	04/27/2013	00:00:00	0.01968505
USW00003928_yearlong2013	04/28/2013	00:00:00	0
USW00003928_yearlong2013	04/29/2013	00:00:00	0
USW00003928_yearlong2013	04/30/2013	00:00:00	0
USW00003928_yearlong2013	05/01/2013	00:00:00	0.2519687
USW00003928_yearlong2013	05/02/2013	00:00:00	0.7007878
USW00003928_yearlong2013	05/03/2013	00:00:00	0
USW00003928_yearlong2013	05/04/2013	00:00:00	0
USW00003928_yearlong2013	05/05/2013	00:00:00	0.01181103
USW00003928_yearlong2013	05/06/2013	00:00:00	0
USW00003928_yearlong2013	05/07/2013	00:00:00	0
USW00003928_yearlong2013	05/08/2013	00:00:00	0.8700792
USW00003928_yearlong2013	05/09/2013	00:00:00	0.1181103
USW00003928_yearlong2013	05/10/2013	00:00:00	0
USW00003928_yearlong2013	05/11/2013	00:00:00	0
USW00003928_yearlong2013	05/12/2013	00:00:00	0
USW00003928_yearlong2013	05/13/2013	00:00:00	0
USW00003928_yearlong2013	05/14/2013	00:00:00	0
USW00003928_yearlong2013	05/15/2013	00:00:00	0
USW00003928_yearlong2013	05/16/2013	00:00:00	0
USW00003928_yearlong2013	05/17/2013	00:00:00	0
USW00003928_yearlong2013	05/18/2013	00:00:00	0
USW00003928_yearlong2013	05/19/2013	00:00:00	1.37008
USW00003928_yearlong2013	05/20/2013	00:00:00	0
USW00003928_yearlong2013	05/21/2013	00:00:00	0
USW00003928_yearlong2013	05/22/2013	00:00:00	0
USW00003928_yearlong2013	05/23/2013	00:00:00	0
USW00003928_yearlong2013	05/24/2013	00:00:00	0
USW00003928_yearlong2013	05/25/2013	00:00:00	0
USW00003928_yearlong2013	05/26/2013	00:00:00	0
USW00003928_yearlong2013	05/27/2013	00:00:00	0
USW00003928_yearlong2013	05/28/2013	00:00:00	0
USW00003928_yearlong2013	05/29/2013	00:00:00	0.2204726
USW00003928_yearlong2013	05/30/2013	00:00:00	1.881891
USW00003928_yearlong2013	05/31/2013	00:00:00	0
USW00003928_yearlong2013	06/01/2013	00:00:00	0
USW00003928_yearlong2013	06/02/2013	00:00:00	0
USW00003928_yearlong2013	06/03/2013	00:00:00	0
USW00003928_yearlong2013	06/04/2013	00:00:00	0
USW00003928_yearlong2013	06/05/2013	00:00:00	0.4488191
USW00003928_yearlong2013	06/06/2013	00:00:00	0
USW00003928_yearlong2013	06/07/2013	00:00:00	0
USW00003928_yearlong2013	06/08/2013	00:00:00	0.1417324
USW00003928_yearlong2013	06/09/2013	00:00:00	0
USW00003928_yearlong2013	06/10/2013	00:00:00	0
USW00003928_yearlong2013	06/11/2013	00:00:00	0
USW00003928_yearlong2013	06/12/2013	00:00:00	0
USW00003928_yearlong2013	06/13/2013	00:00:00	0
USW00003928_yearlong2013	06/14/2013	00:00:00	0
USW00003928_yearlong2013	06/15/2013	00:00:00	0
USW00003928_yearlong2013	06/16/2013	00:00:00	0
USW00003928_yearlong2013	06/17/2013	00:00:00	0.3582679

USW00003928_yearlong2013	06/18/2013	00:00:00	0.05118113
USW00003928_yearlong2013	06/19/2013	00:00:00	0.1299213
USW00003928_yearlong2013	06/20/2013	00:00:00	0
USW00003928_yearlong2013	06/21/2013	00:00:00	0
USW00003928_yearlong2013	06/22/2013	00:00:00	0
USW00003928_yearlong2013	06/23/2013	00:00:00	0
USW00003928_yearlong2013	06/24/2013	00:00:00	0.1811025
USW00003928_yearlong2013	06/25/2013	00:00:00	0
USW00003928_yearlong2013	06/26/2013	00:00:00	0
USW00003928_yearlong2013	06/27/2013	00:00:00	0.5196853
USW00003928_yearlong2013	06/28/2013	00:00:00	0
USW00003928_yearlong2013	06/29/2013	00:00:00	0
USW00003928_yearlong2013	06/30/2013	00:00:00	0
USW00003928_yearlong2013	07/01/2013	00:00:00	0
USW00003928_yearlong2013	07/02/2013	00:00:00	0
USW00003928_yearlong2013	07/03/2013	00:00:00	0
USW00003928_yearlong2013	07/04/2013	00:00:00	0
USW00003928_yearlong2013	07/05/2013	00:00:00	0
USW00003928_yearlong2013	07/06/2013	00:00:00	0.01968505
USW00003928_yearlong2013	07/07/2013	00:00:00	0.01181103
USW00003928_yearlong2013	07/08/2013	00:00:00	0
USW00003928_yearlong2013	07/09/2013	00:00:00	0.01181103
USW00003928_yearlong2013	07/10/2013	00:00:00	0.01181103
USW00003928_yearlong2013	07/11/2013	00:00:00	0.1299213
USW00003928_yearlong2013	07/12/2013	00:00:00	0
USW00003928_yearlong2013	07/13/2013	00:00:00	0
USW00003928_yearlong2013	07/14/2013	00:00:00	0.6181106
USW00003928_yearlong2013	07/15/2013	00:00:00	0.5118113
USW00003928_yearlong2013	07/16/2013	00:00:00	0
USW00003928_yearlong2013	07/17/2013	00:00:00	0.05905515
USW00003928_yearlong2013	07/18/2013	00:00:00	0
USW00003928_yearlong2013	07/19/2013	00:00:00	0
USW00003928_yearlong2013	07/20/2013	00:00:00	0.5196853
USW00003928_yearlong2013	07/21/2013	00:00:00	0.5118113
USW00003928_yearlong2013	07/22/2013	00:00:00	0.2086615
USW00003928_yearlong2013	07/23/2013	00:00:00	1.019686
USW00003928_yearlong2013	07/24/2013	00:00:00	0
USW00003928_yearlong2013	07/25/2013	00:00:00	0.0393701
USW00003928_yearlong2013	07/26/2013	00:00:00	2.129922
USW00003928_yearlong2013	07/27/2013	00:00:00	0.2204726
USW00003928_yearlong2013	07/28/2013	00:00:00	1.649607
USW00003928_yearlong2013	07/29/2013	00:00:00	0.01968505
USW00003928_yearlong2013	07/30/2013	00:00:00	0
USW00003928_yearlong2013	07/31/2013	00:00:00	0
USW00003928_yearlong2013	08/01/2013	00:00:00	0
USW00003928_yearlong2013	08/02/2013	00:00:00	1.500001
USW00003928_yearlong2013	08/03/2013	00:00:00	1.480316
USW00003928_yearlong2013	08/04/2013	00:00:00	2.381891
USW00003928_yearlong2013	08/05/2013	00:00:00	0.1181103
USW00003928_yearlong2013	08/06/2013	00:00:00	0
USW00003928_yearlong2013	08/07/2013	00:00:00	0.03149608
USW00003928_yearlong2013	08/08/2013	00:00:00	1.779528
USW00003928_yearlong2013	08/09/2013	00:00:00	0.3110238
USW00003928_yearlong2013	08/10/2013	00:00:00	0
USW00003928_yearlong2013	08/11/2013	00:00:00	0
USW00003928_yearlong2013	08/12/2013	00:00:00	0.5511814
USW00003928_yearlong2013	08/13/2013	00:00:00	1.811025
USW00003928_yearlong2013	08/14/2013	00:00:00	0
USW00003928_yearlong2013	08/15/2013	00:00:00	0.6614177
USW00003928_yearlong2013	08/16/2013	00:00:00	0.01181103
USW00003928_yearlong2013	08/17/2013	00:00:00	0
USW00003928_yearlong2013	08/18/2013	00:00:00	0
USW00003928_yearlong2013	08/19/2013	00:00:00	0


```

USW00003928_yearlong2013 12/24/2013 00:00:00 0
USW00003928_yearlong2013 12/25/2013 00:00:00 0
USW00003928_yearlong2013 12/26/2013 00:00:00 0
USW00003928_yearlong2013 12/27/2013 00:00:00 0
USW00003928_yearlong2013 12/28/2013 00:00:00 0
USW00003928_yearlong2013 12/29/2013 00:00:00 0
USW00003928_yearlong2013 12/30/2013 00:00:00 0
USW00003928_yearlong2013 12/31/2013 00:00:00 0

```

```
;Rainfall (in/day)
```

```

USW00003974_2010 11/08/2010 00:00:00 0
USW00003974_2010 11/09/2010 00:00:00 0
USW00003974_2010 11/10/2010 00:00:00 0
USW00003974_2010 11/11/2010 00:00:00 0.01968505
USW00003974_2010 11/12/2010 00:00:00 0.8188981
USW00003974_2010 11/13/2010 00:00:00 0
USW00003974_2010 11/14/2010 00:00:00 0
USW00003974_2010 11/15/2010 00:00:00 0
USW00003974_2010 11/16/2010 00:00:00 0
USW00003974_2010 11/17/2010 00:00:00 0.2401576
USW00003974_2010 11/18/2010 00:00:00 0
USW00003974_2010 11/19/2010 00:00:00 0
USW00003974_2010 11/20/2010 00:00:00 0
USW00003974_2010 11/21/2010 00:00:00 0
USW00003974_2010 11/22/2010 00:00:00 0
USW00003974_2010 11/23/2010 00:00:00 0
USW00003974_2010 11/24/2010 00:00:00 0
USW00003974_2010 11/25/2010 00:00:00 0
USW00003974_2010 11/26/2010 00:00:00 0
USW00003974_2010 11/27/2010 00:00:00 0
USW00003974_2010 11/28/2010 00:00:00 0
USW00003974_2010 11/29/2010 00:00:00 0
USW00003974_2010 11/30/2010 00:00:00 0
USW00003974_2010 12/01/2010 00:00:00 0
USW00003974_2010 12/02/2010 00:00:00 0
USW00003974_2010 12/03/2010 00:00:00 0
USW00003974_2010 12/04/2010 00:00:00 0
USW00003974_2010 12/05/2010 00:00:00 0
USW00003974_2010 12/06/2010 00:00:00 0
USW00003974_2010 12/07/2010 00:00:00 0
USW00003974_2010 12/08/2010 00:00:00 0
USW00003974_2010 12/09/2010 00:00:00 0
USW00003974_2010 12/10/2010 00:00:00 0
USW00003974_2010 12/11/2010 00:00:00 0
USW00003974_2010 12/12/2010 00:00:00 0
USW00003974_2010 12/13/2010 00:00:00 0
USW00003974_2010 12/14/2010 00:00:00 0
USW00003974_2010 12/15/2010 00:00:00 0
USW00003974_2010 12/16/2010 00:00:00 0
USW00003974_2010 12/17/2010 00:00:00 0
USW00003974_2010 12/18/2010 00:00:00 0
USW00003974_2010 12/19/2010 00:00:00 0
USW00003974_2010 12/20/2010 00:00:00 0
USW00003974_2010 12/21/2010 00:00:00 0
USW00003974_2010 12/22/2010 00:00:00 0
USW00003974_2010 12/23/2010 00:00:00 0.01968505
USW00003974_2010 12/24/2010 00:00:00 0.05118113
USW00003974_2010 12/25/2010 00:00:00 0
USW00003974_2010 12/26/2010 00:00:00 0
USW00003974_2010 12/27/2010 00:00:00 0
USW00003974_2010 12/28/2010 00:00:00 0
USW00003974_2010 12/29/2010 00:00:00 0
USW00003974_2010 12/30/2010 00:00:00 0

```

```

USW00003974_2010 12/31/2010 00:00:00 0.01181103
USW00003974_2010 01/01/2011 00:00:00 0
USW00003974_2010 01/02/2011 00:00:00 0
USW00003974_2010 01/03/2011 00:00:00 0

;Rainfall (in/day)
USW00003974_MayJuneJuly2010 05/01/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/02/2010 00:00:00 0.0393701
USW00003974_MayJuneJuly2010 05/03/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/04/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/05/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/06/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/07/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/08/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/09/2010 00:00:00 0.01181103
USW00003974_MayJuneJuly2010 05/10/2010 00:00:00 0.9291344
USW00003974_MayJuneJuly2010 05/11/2010 00:00:00 0.0393701
USW00003974_MayJuneJuly2010 05/12/2010 00:00:00 1.440946
USW00003974_MayJuneJuly2010 05/13/2010 00:00:00 0.01968505
USW00003974_MayJuneJuly2010 05/14/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/15/2010 00:00:00 0.2598427
USW00003974_MayJuneJuly2010 05/16/2010 00:00:00 0.09055123
USW00003974_MayJuneJuly2010 05/17/2010 00:00:00 0.01181103
USW00003974_MayJuneJuly2010 05/18/2010 00:00:00 0.01181103
USW00003974_MayJuneJuly2010 05/19/2010 00:00:00 0.9488194
USW00003974_MayJuneJuly2010 05/20/2010 00:00:00 0.07086618
USW00003974_MayJuneJuly2010 05/21/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/22/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/23/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/24/2010 00:00:00 0.05905515
USW00003974_MayJuneJuly2010 05/25/2010 00:00:00 0.4291341
USW00003974_MayJuneJuly2010 05/26/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/27/2010 00:00:00 0.8582682
USW00003974_MayJuneJuly2010 05/28/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/29/2010 00:00:00 0
USW00003974_MayJuneJuly2010 05/30/2010 00:00:00 0.01968505
USW00003974_MayJuneJuly2010 05/31/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/01/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/02/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/03/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/04/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/05/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/06/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/07/2010 00:00:00 0.5708665
USW00003974_MayJuneJuly2010 06/08/2010 00:00:00 0.5905515
USW00003974_MayJuneJuly2010 06/09/2010 00:00:00 1.511812
USW00003974_MayJuneJuly2010 06/10/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/11/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/12/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/13/2010 00:00:00 1.901576
USW00003974_MayJuneJuly2010 06/14/2010 00:00:00 0.1299213
USW00003974_MayJuneJuly2010 06/15/2010 00:00:00 0.01181103
USW00003974_MayJuneJuly2010 06/16/2010 00:00:00 0.01181103
USW00003974_MayJuneJuly2010 06/17/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/18/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/19/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/20/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/21/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/22/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/23/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/24/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/25/2010 00:00:00 0
USW00003974_MayJuneJuly2010 06/26/2010 00:00:00 0

```


USW00003974_MayJuneJuly2010	06/27/2010	00:00:00	0
USW00003974_MayJuneJuly2010	06/28/2010	00:00:00	0
USW00003974_MayJuneJuly2010	06/29/2010	00:00:00	0
USW00003974_MayJuneJuly2010	06/30/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/01/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/02/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/03/2010	00:00:00	0.5000003
USW00003974_MayJuneJuly2010	07/04/2010	00:00:00	0.7086618
USW00003974_MayJuneJuly2010	07/05/2010	00:00:00	0.370079
USW00003974_MayJuneJuly2010	07/06/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/07/2010	00:00:00	1.381891
USW00003974_MayJuneJuly2010	07/08/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/09/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/10/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/11/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/12/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/13/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/14/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/15/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/16/2010	00:00:00	0.409449
USW00003974_MayJuneJuly2010	07/17/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/18/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/19/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/20/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/21/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/22/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/23/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/24/2010	00:00:00	0.05905515
USW00003974_MayJuneJuly2010	07/25/2010	00:00:00	0.2992128
USW00003974_MayJuneJuly2010	07/26/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/27/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/28/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/29/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/30/2010	00:00:00	0
USW00003974_MayJuneJuly2010	07/31/2010	00:00:00	0

;Rainfall (in/day)

USW00003974_septoctnov2013	09/01/2013	00:00:00	0
USW00003974_septoctnov2013	09/02/2013	00:00:00	0
USW00003974_septoctnov2013	09/03/2013	00:00:00	0
USW00003974_septoctnov2013	09/04/2013	00:00:00	0
USW00003974_septoctnov2013	09/05/2013	00:00:00	0
USW00003974_septoctnov2013	09/06/2013	00:00:00	0
USW00003974_septoctnov2013	09/07/2013	00:00:00	0
USW00003974_septoctnov2013	09/08/2013	00:00:00	0
USW00003974_septoctnov2013	09/09/2013	00:00:00	0
USW00003974_septoctnov2013	09/10/2013	00:00:00	0
USW00003974_septoctnov2013	09/11/2013	00:00:00	0
USW00003974_septoctnov2013	09/12/2013	00:00:00	0.0393701
USW00003974_septoctnov2013	09/13/2013	00:00:00	0
USW00003974_septoctnov2013	09/14/2013	00:00:00	0
USW00003974_septoctnov2013	09/15/2013	00:00:00	0.6811028
USW00003974_septoctnov2013	09/16/2013	00:00:00	0.05118113
USW00003974_septoctnov2013	09/17/2013	00:00:00	0.1102363
USW00003974_septoctnov2013	09/18/2013	00:00:00	0
USW00003974_septoctnov2013	09/19/2013	00:00:00	0.6811028
USW00003974_septoctnov2013	09/20/2013	00:00:00	0
USW00003974_septoctnov2013	09/21/2013	00:00:00	0
USW00003974_septoctnov2013	09/22/2013	00:00:00	0
USW00003974_septoctnov2013	09/23/2013	00:00:00	0
USW00003974_septoctnov2013	09/24/2013	00:00:00	0
USW00003974_septoctnov2013	09/25/2013	00:00:00	0
USW00003974_septoctnov2013	09/26/2013	00:00:00	0

USW00003974_septoctnov2013 11/29/2013 00:00:00 0
USW00003974_septoctnov2013 11/30/2013 00:00:00 0

;Rainfall (in/day)

USW00003974_yearlong2010 01/01/2010 00:00:00 0
USW00003974_yearlong2010 01/02/2010 00:00:00 0
USW00003974_yearlong2010 01/03/2010 00:00:00 0
USW00003974_yearlong2010 01/04/2010 00:00:00 0.03149608
USW00003974_yearlong2010 01/05/2010 00:00:00 0
USW00003974_yearlong2010 01/06/2010 00:00:00 0.01968505
USW00003974_yearlong2010 01/07/2010 00:00:00 0
USW00003974_yearlong2010 01/08/2010 00:00:00 0
USW00003974_yearlong2010 01/09/2010 00:00:00 0
USW00003974_yearlong2010 01/10/2010 00:00:00 0
USW00003974_yearlong2010 01/11/2010 00:00:00 0
USW00003974_yearlong2010 01/12/2010 00:00:00 0
USW00003974_yearlong2010 01/13/2010 00:00:00 0
USW00003974_yearlong2010 01/14/2010 00:00:00 0
USW00003974_yearlong2010 01/15/2010 00:00:00 0
USW00003974_yearlong2010 01/16/2010 00:00:00 0
USW00003974_yearlong2010 01/17/2010 00:00:00 0.01181103
USW00003974_yearlong2010 01/18/2010 00:00:00 0.01968505
USW00003974_yearlong2010 01/19/2010 00:00:00 0.01968505
USW00003974_yearlong2010 01/20/2010 00:00:00 0.05118113
USW00003974_yearlong2010 01/21/2010 00:00:00 0.01181103
USW00003974_yearlong2010 01/22/2010 00:00:00 0
USW00003974_yearlong2010 01/23/2010 00:00:00 0.05118113
USW00003974_yearlong2010 01/24/2010 00:00:00 0
USW00003974_yearlong2010 01/25/2010 00:00:00 0
USW00003974_yearlong2010 01/26/2010 00:00:00 0
USW00003974_yearlong2010 01/27/2010 00:00:00 0
USW00003974_yearlong2010 01/28/2010 00:00:00 0
USW00003974_yearlong2010 01/29/2010 00:00:00 0
USW00003974_yearlong2010 01/30/2010 00:00:00 0.1614174
USW00003974_yearlong2010 01/31/2010 00:00:00 0
USW00003974_yearlong2010 02/01/2010 00:00:00 0
USW00003974_yearlong2010 02/02/2010 00:00:00 0
USW00003974_yearlong2010 02/03/2010 00:00:00 0
USW00003974_yearlong2010 02/04/2010 00:00:00 0.1614174
USW00003974_yearlong2010 02/05/2010 00:00:00 0.0393701
USW00003974_yearlong2010 02/06/2010 00:00:00 0
USW00003974_yearlong2010 02/07/2010 00:00:00 0.01181103
USW00003974_yearlong2010 02/08/2010 00:00:00 0.2007875
USW00003974_yearlong2010 02/09/2010 00:00:00 0
USW00003974_yearlong2010 02/10/2010 00:00:00 0
USW00003974_yearlong2010 02/11/2010 00:00:00 0.2204726
USW00003974_yearlong2010 02/12/2010 00:00:00 0
USW00003974_yearlong2010 02/13/2010 00:00:00 0
USW00003974_yearlong2010 02/14/2010 00:00:00 0
USW00003974_yearlong2010 02/15/2010 00:00:00 0
USW00003974_yearlong2010 02/16/2010 00:00:00 0
USW00003974_yearlong2010 02/17/2010 00:00:00 0
USW00003974_yearlong2010 02/18/2010 00:00:00 0
USW00003974_yearlong2010 02/19/2010 00:00:00 0.1496064
USW00003974_yearlong2010 02/20/2010 00:00:00 0.05905515
USW00003974_yearlong2010 02/21/2010 00:00:00 0.4881893
USW00003974_yearlong2010 02/22/2010 00:00:00 0
USW00003974_yearlong2010 02/23/2010 00:00:00 0
USW00003974_yearlong2010 02/24/2010 00:00:00 0
USW00003974_yearlong2010 02/25/2010 00:00:00 0
USW00003974_yearlong2010 02/26/2010 00:00:00 0
USW00003974_yearlong2010 02/27/2010 00:00:00 0
USW00003974_yearlong2010 02/28/2010 00:00:00 0

USW00003974_yearlong2010	03/01/2010	00:00:00	0
USW00003974_yearlong2010	03/02/2010	00:00:00	0
USW00003974_yearlong2010	03/03/2010	00:00:00	0
USW00003974_yearlong2010	03/04/2010	00:00:00	0
USW00003974_yearlong2010	03/05/2010	00:00:00	0
USW00003974_yearlong2010	03/06/2010	00:00:00	0
USW00003974_yearlong2010	03/07/2010	00:00:00	0
USW00003974_yearlong2010	03/08/2010	00:00:00	1.271654
USW00003974_yearlong2010	03/09/2010	00:00:00	0.2480316
USW00003974_yearlong2010	03/10/2010	00:00:00	0.2086615
USW00003974_yearlong2010	03/11/2010	00:00:00	0
USW00003974_yearlong2010	03/12/2010	00:00:00	0.01181103
USW00003974_yearlong2010	03/13/2010	00:00:00	0
USW00003974_yearlong2010	03/14/2010	00:00:00	0
USW00003974_yearlong2010	03/15/2010	00:00:00	0
USW00003974_yearlong2010	03/16/2010	00:00:00	0
USW00003974_yearlong2010	03/17/2010	00:00:00	0
USW00003974_yearlong2010	03/18/2010	00:00:00	0
USW00003974_yearlong2010	03/19/2010	00:00:00	0.1811025
USW00003974_yearlong2010	03/20/2010	00:00:00	0.01181103
USW00003974_yearlong2010	03/21/2010	00:00:00	0
USW00003974_yearlong2010	03/22/2010	00:00:00	0
USW00003974_yearlong2010	03/23/2010	00:00:00	0
USW00003974_yearlong2010	03/24/2010	00:00:00	0.07086618
USW00003974_yearlong2010	03/25/2010	00:00:00	0
USW00003974_yearlong2010	03/26/2010	00:00:00	0
USW00003974_yearlong2010	03/27/2010	00:00:00	0
USW00003974_yearlong2010	03/28/2010	00:00:00	0
USW00003974_yearlong2010	03/29/2010	00:00:00	0
USW00003974_yearlong2010	03/30/2010	00:00:00	0
USW00003974_yearlong2010	03/31/2010	00:00:00	0
USW00003974_yearlong2010	04/01/2010	00:00:00	0
USW00003974_yearlong2010	04/02/2010	00:00:00	0.1181103
USW00003974_yearlong2010	04/03/2010	00:00:00	0
USW00003974_yearlong2010	04/04/2010	00:00:00	0
USW00003974_yearlong2010	04/05/2010	00:00:00	0
USW00003974_yearlong2010	04/06/2010	00:00:00	0
USW00003974_yearlong2010	04/07/2010	00:00:00	0
USW00003974_yearlong2010	04/08/2010	00:00:00	0
USW00003974_yearlong2010	04/09/2010	00:00:00	0
USW00003974_yearlong2010	04/10/2010	00:00:00	0
USW00003974_yearlong2010	04/11/2010	00:00:00	0
USW00003974_yearlong2010	04/12/2010	00:00:00	0
USW00003974_yearlong2010	04/13/2010	00:00:00	0
USW00003974_yearlong2010	04/14/2010	00:00:00	0
USW00003974_yearlong2010	04/15/2010	00:00:00	0
USW00003974_yearlong2010	04/16/2010	00:00:00	0.1692914
USW00003974_yearlong2010	04/17/2010	00:00:00	0
USW00003974_yearlong2010	04/18/2010	00:00:00	0
USW00003974_yearlong2010	04/19/2010	00:00:00	0
USW00003974_yearlong2010	04/20/2010	00:00:00	0
USW00003974_yearlong2010	04/21/2010	00:00:00	0
USW00003974_yearlong2010	04/22/2010	00:00:00	0.6181106
USW00003974_yearlong2010	04/23/2010	00:00:00	0.1417324
USW00003974_yearlong2010	04/24/2010	00:00:00	0.0787402
USW00003974_yearlong2010	04/25/2010	00:00:00	0
USW00003974_yearlong2010	04/26/2010	00:00:00	0
USW00003974_yearlong2010	04/27/2010	00:00:00	0
USW00003974_yearlong2010	04/28/2010	00:00:00	0
USW00003974_yearlong2010	04/29/2010	00:00:00	0
USW00003974_yearlong2010	04/30/2010	00:00:00	0.38189
USW00003974_yearlong2010	05/01/2010	00:00:00	0
USW00003974_yearlong2010	05/02/2010	00:00:00	0.0393701

USW00003974_yearlong2010	05/03/2010	00:00:00	0
USW00003974_yearlong2010	05/04/2010	00:00:00	0
USW00003974_yearlong2010	05/05/2010	00:00:00	0
USW00003974_yearlong2010	05/06/2010	00:00:00	0
USW00003974_yearlong2010	05/07/2010	00:00:00	0
USW00003974_yearlong2010	05/08/2010	00:00:00	0
USW00003974_yearlong2010	05/09/2010	00:00:00	0.01181103
USW00003974_yearlong2010	05/10/2010	00:00:00	0.9291344
USW00003974_yearlong2010	05/11/2010	00:00:00	0.0393701
USW00003974_yearlong2010	05/12/2010	00:00:00	1.440946
USW00003974_yearlong2010	05/13/2010	00:00:00	0.01968505
USW00003974_yearlong2010	05/14/2010	00:00:00	0
USW00003974_yearlong2010	05/15/2010	00:00:00	0.2598427
USW00003974_yearlong2010	05/16/2010	00:00:00	0.09055123
USW00003974_yearlong2010	05/17/2010	00:00:00	0.01181103
USW00003974_yearlong2010	05/18/2010	00:00:00	0.01181103
USW00003974_yearlong2010	05/19/2010	00:00:00	0.9488194
USW00003974_yearlong2010	05/20/2010	00:00:00	0.07086618
USW00003974_yearlong2010	05/21/2010	00:00:00	0
USW00003974_yearlong2010	05/22/2010	00:00:00	0
USW00003974_yearlong2010	05/23/2010	00:00:00	0
USW00003974_yearlong2010	05/24/2010	00:00:00	0.05905515
USW00003974_yearlong2010	05/25/2010	00:00:00	0.4291341
USW00003974_yearlong2010	05/26/2010	00:00:00	0
USW00003974_yearlong2010	05/27/2010	00:00:00	0.8582682
USW00003974_yearlong2010	05/28/2010	00:00:00	0
USW00003974_yearlong2010	05/29/2010	00:00:00	0
USW00003974_yearlong2010	05/30/2010	00:00:00	0.01968505
USW00003974_yearlong2010	05/31/2010	00:00:00	0
USW00003974_yearlong2010	06/01/2010	00:00:00	0
USW00003974_yearlong2010	06/02/2010	00:00:00	0
USW00003974_yearlong2010	06/03/2010	00:00:00	0
USW00003974_yearlong2010	06/04/2010	00:00:00	0
USW00003974_yearlong2010	06/05/2010	00:00:00	0
USW00003974_yearlong2010	06/06/2010	00:00:00	0
USW00003974_yearlong2010	06/07/2010	00:00:00	0.5708665
USW00003974_yearlong2010	06/08/2010	00:00:00	0.5905515
USW00003974_yearlong2010	06/09/2010	00:00:00	1.511812
USW00003974_yearlong2010	06/10/2010	00:00:00	0
USW00003974_yearlong2010	06/11/2010	00:00:00	0
USW00003974_yearlong2010	06/12/2010	00:00:00	0
USW00003974_yearlong2010	06/13/2010	00:00:00	1.901576
USW00003974_yearlong2010	06/14/2010	00:00:00	0.1299213
USW00003974_yearlong2010	06/15/2010	00:00:00	0.01181103
USW00003974_yearlong2010	06/16/2010	00:00:00	0.01181103
USW00003974_yearlong2010	06/17/2010	00:00:00	0
USW00003974_yearlong2010	06/18/2010	00:00:00	0
USW00003974_yearlong2010	06/19/2010	00:00:00	0
USW00003974_yearlong2010	06/20/2010	00:00:00	0
USW00003974_yearlong2010	06/21/2010	00:00:00	0
USW00003974_yearlong2010	06/22/2010	00:00:00	0
USW00003974_yearlong2010	06/23/2010	00:00:00	0
USW00003974_yearlong2010	06/24/2010	00:00:00	0
USW00003974_yearlong2010	06/25/2010	00:00:00	0
USW00003974_yearlong2010	06/26/2010	00:00:00	0
USW00003974_yearlong2010	06/27/2010	00:00:00	0
USW00003974_yearlong2010	06/28/2010	00:00:00	0
USW00003974_yearlong2010	06/29/2010	00:00:00	0
USW00003974_yearlong2010	06/30/2010	00:00:00	0
USW00003974_yearlong2010	07/01/2010	00:00:00	0
USW00003974_yearlong2010	07/02/2010	00:00:00	0
USW00003974_yearlong2010	07/03/2010	00:00:00	0.5000003
USW00003974_yearlong2010	07/04/2010	00:00:00	0.7086618

USW00003974_yearlong2010	07/05/2010	00:00:00	0.370079
USW00003974_yearlong2010	07/06/2010	00:00:00	0
USW00003974_yearlong2010	07/07/2010	00:00:00	1.381891
USW00003974_yearlong2010	07/08/2010	00:00:00	0
USW00003974_yearlong2010	07/09/2010	00:00:00	0
USW00003974_yearlong2010	07/10/2010	00:00:00	0
USW00003974_yearlong2010	07/11/2010	00:00:00	0
USW00003974_yearlong2010	07/12/2010	00:00:00	0
USW00003974_yearlong2010	07/13/2010	00:00:00	0
USW00003974_yearlong2010	07/14/2010	00:00:00	0
USW00003974_yearlong2010	07/15/2010	00:00:00	0
USW00003974_yearlong2010	07/16/2010	00:00:00	0.409449
USW00003974_yearlong2010	07/17/2010	00:00:00	0
USW00003974_yearlong2010	07/18/2010	00:00:00	0
USW00003974_yearlong2010	07/19/2010	00:00:00	0
USW00003974_yearlong2010	07/20/2010	00:00:00	0
USW00003974_yearlong2010	07/21/2010	00:00:00	0
USW00003974_yearlong2010	07/22/2010	00:00:00	0
USW00003974_yearlong2010	07/23/2010	00:00:00	0
USW00003974_yearlong2010	07/24/2010	00:00:00	0.05905515
USW00003974_yearlong2010	07/25/2010	00:00:00	0.2992128
USW00003974_yearlong2010	07/26/2010	00:00:00	0
USW00003974_yearlong2010	07/27/2010	00:00:00	0
USW00003974_yearlong2010	07/28/2010	00:00:00	0
USW00003974_yearlong2010	07/29/2010	00:00:00	0
USW00003974_yearlong2010	07/30/2010	00:00:00	0
USW00003974_yearlong2010	07/31/2010	00:00:00	0
USW00003974_yearlong2010	08/01/2010	00:00:00	0
USW00003974_yearlong2010	08/02/2010	00:00:00	0
USW00003974_yearlong2010	08/03/2010	00:00:00	0
USW00003974_yearlong2010	08/04/2010	00:00:00	0
USW00003974_yearlong2010	08/05/2010	00:00:00	0
USW00003974_yearlong2010	08/06/2010	00:00:00	0
USW00003974_yearlong2010	08/07/2010	00:00:00	0
USW00003974_yearlong2010	08/08/2010	00:00:00	0
USW00003974_yearlong2010	08/09/2010	00:00:00	0
USW00003974_yearlong2010	08/10/2010	00:00:00	0
USW00003974_yearlong2010	08/11/2010	00:00:00	0
USW00003974_yearlong2010	08/12/2010	00:00:00	0
USW00003974_yearlong2010	08/13/2010	00:00:00	0
USW00003974_yearlong2010	08/14/2010	00:00:00	0
USW00003974_yearlong2010	08/15/2010	00:00:00	0.4212601
USW00003974_yearlong2010	08/16/2010	00:00:00	0
USW00003974_yearlong2010	08/17/2010	00:00:00	1.318898
USW00003974_yearlong2010	08/18/2010	00:00:00	0
USW00003974_yearlong2010	08/19/2010	00:00:00	0
USW00003974_yearlong2010	08/20/2010	00:00:00	0
USW00003974_yearlong2010	08/21/2010	00:00:00	0
USW00003974_yearlong2010	08/22/2010	00:00:00	0
USW00003974_yearlong2010	08/23/2010	00:00:00	0
USW00003974_yearlong2010	08/24/2010	00:00:00	0.7480319
USW00003974_yearlong2010	08/25/2010	00:00:00	0
USW00003974_yearlong2010	08/26/2010	00:00:00	0
USW00003974_yearlong2010	08/27/2010	00:00:00	0
USW00003974_yearlong2010	08/28/2010	00:00:00	0
USW00003974_yearlong2010	08/29/2010	00:00:00	0
USW00003974_yearlong2010	08/30/2010	00:00:00	0
USW00003974_yearlong2010	08/31/2010	00:00:00	0
USW00003974_yearlong2010	09/01/2010	00:00:00	0
USW00003974_yearlong2010	09/02/2010	00:00:00	0.01181103
USW00003974_yearlong2010	09/03/2010	00:00:00	0
USW00003974_yearlong2010	09/04/2010	00:00:00	0
USW00003974_yearlong2010	09/05/2010	00:00:00	0

USW00003974_yearlong2010	11/08/2010	00:00:00	0
USW00003974_yearlong2010	11/09/2010	00:00:00	0
USW00003974_yearlong2010	11/10/2010	00:00:00	0
USW00003974_yearlong2010	11/11/2010	00:00:00	0.01968505
USW00003974_yearlong2010	11/12/2010	00:00:00	0.8188981
USW00003974_yearlong2010	11/13/2010	00:00:00	0
USW00003974_yearlong2010	11/14/2010	00:00:00	0
USW00003974_yearlong2010	11/15/2010	00:00:00	0
USW00003974_yearlong2010	11/16/2010	00:00:00	0
USW00003974_yearlong2010	11/17/2010	00:00:00	0.2401576
USW00003974_yearlong2010	11/18/2010	00:00:00	0
USW00003974_yearlong2010	11/19/2010	00:00:00	0
USW00003974_yearlong2010	11/20/2010	00:00:00	0
USW00003974_yearlong2010	11/21/2010	00:00:00	0
USW00003974_yearlong2010	11/22/2010	00:00:00	0
USW00003974_yearlong2010	11/23/2010	00:00:00	0
USW00003974_yearlong2010	11/24/2010	00:00:00	0
USW00003974_yearlong2010	11/25/2010	00:00:00	0
USW00003974_yearlong2010	11/26/2010	00:00:00	0
USW00003974_yearlong2010	11/27/2010	00:00:00	0
USW00003974_yearlong2010	11/28/2010	00:00:00	0
USW00003974_yearlong2010	11/29/2010	00:00:00	0
USW00003974_yearlong2010	11/30/2010	00:00:00	0
USW00003974_yearlong2010	12/01/2010	00:00:00	0
USW00003974_yearlong2010	12/02/2010	00:00:00	0
USW00003974_yearlong2010	12/03/2010	00:00:00	0
USW00003974_yearlong2010	12/04/2010	00:00:00	0
USW00003974_yearlong2010	12/05/2010	00:00:00	0
USW00003974_yearlong2010	12/06/2010	00:00:00	0
USW00003974_yearlong2010	12/07/2010	00:00:00	0
USW00003974_yearlong2010	12/08/2010	00:00:00	0
USW00003974_yearlong2010	12/09/2010	00:00:00	0
USW00003974_yearlong2010	12/10/2010	00:00:00	0
USW00003974_yearlong2010	12/11/2010	00:00:00	0
USW00003974_yearlong2010	12/12/2010	00:00:00	0
USW00003974_yearlong2010	12/13/2010	00:00:00	0
USW00003974_yearlong2010	12/14/2010	00:00:00	0
USW00003974_yearlong2010	12/15/2010	00:00:00	0
USW00003974_yearlong2010	12/16/2010	00:00:00	0
USW00003974_yearlong2010	12/17/2010	00:00:00	0
USW00003974_yearlong2010	12/18/2010	00:00:00	0
USW00003974_yearlong2010	12/19/2010	00:00:00	0
USW00003974_yearlong2010	12/20/2010	00:00:00	0
USW00003974_yearlong2010	12/21/2010	00:00:00	0
USW00003974_yearlong2010	12/22/2010	00:00:00	0
USW00003974_yearlong2010	12/23/2010	00:00:00	0.01968505
USW00003974_yearlong2010	12/24/2010	00:00:00	0.05118113
USW00003974_yearlong2010	12/25/2010	00:00:00	0
USW00003974_yearlong2010	12/26/2010	00:00:00	0
USW00003974_yearlong2010	12/27/2010	00:00:00	0
USW00003974_yearlong2010	12/28/2010	00:00:00	0
USW00003974_yearlong2010	12/29/2010	00:00:00	0
USW00003974_yearlong2010	12/30/2010	00:00:00	0
USW00003974_yearlong2010	12/31/2010	00:00:00	0.01181103

;Rainfall (in/day)

USW00003974_yearlong2011	01/01/2011	00:00:00	0
USW00003974_yearlong2011	01/02/2011	00:00:00	0
USW00003974_yearlong2011	01/03/2011	00:00:00	0
USW00003974_yearlong2011	01/04/2011	00:00:00	0
USW00003974_yearlong2011	01/05/2011	00:00:00	0
USW00003974_yearlong2011	01/06/2011	00:00:00	0
USW00003974_yearlong2011	01/07/2011	00:00:00	0

USW00003974_yearlong2011	03/12/2011	00:00:00	0
USW00003974_yearlong2011	03/13/2011	00:00:00	0.1181103
USW00003974_yearlong2011	03/14/2011	00:00:00	0
USW00003974_yearlong2011	03/15/2011	00:00:00	0
USW00003974_yearlong2011	03/16/2011	00:00:00	0
USW00003974_yearlong2011	03/17/2011	00:00:00	0
USW00003974_yearlong2011	03/18/2011	00:00:00	0
USW00003974_yearlong2011	03/19/2011	00:00:00	0.0787402
USW00003974_yearlong2011	03/20/2011	00:00:00	0
USW00003974_yearlong2011	03/21/2011	00:00:00	0
USW00003974_yearlong2011	03/22/2011	00:00:00	0
USW00003974_yearlong2011	03/23/2011	00:00:00	0
USW00003974_yearlong2011	03/24/2011	00:00:00	0.0393701
USW00003974_yearlong2011	03/25/2011	00:00:00	0
USW00003974_yearlong2011	03/26/2011	00:00:00	0.01968505
USW00003974_yearlong2011	03/27/2011	00:00:00	0
USW00003974_yearlong2011	03/28/2011	00:00:00	0.01968505
USW00003974_yearlong2011	03/29/2011	00:00:00	0
USW00003974_yearlong2011	03/30/2011	00:00:00	0
USW00003974_yearlong2011	03/31/2011	00:00:00	0.01181103
USW00003974_yearlong2011	04/01/2011	00:00:00	0.01968505
USW00003974_yearlong2011	04/02/2011	00:00:00	0
USW00003974_yearlong2011	04/03/2011	00:00:00	0
USW00003974_yearlong2011	04/04/2011	00:00:00	0
USW00003974_yearlong2011	04/05/2011	00:00:00	0
USW00003974_yearlong2011	04/06/2011	00:00:00	0
USW00003974_yearlong2011	04/07/2011	00:00:00	0
USW00003974_yearlong2011	04/08/2011	00:00:00	0.0787402
USW00003974_yearlong2011	04/09/2011	00:00:00	0
USW00003974_yearlong2011	04/10/2011	00:00:00	0
USW00003974_yearlong2011	04/11/2011	00:00:00	0
USW00003974_yearlong2011	04/12/2011	00:00:00	0
USW00003974_yearlong2011	04/13/2011	00:00:00	0
USW00003974_yearlong2011	04/14/2011	00:00:00	0
USW00003974_yearlong2011	04/15/2011	00:00:00	0.2007875
USW00003974_yearlong2011	04/16/2011	00:00:00	0
USW00003974_yearlong2011	04/17/2011	00:00:00	0
USW00003974_yearlong2011	04/18/2011	00:00:00	0
USW00003974_yearlong2011	04/19/2011	00:00:00	0
USW00003974_yearlong2011	04/20/2011	00:00:00	0
USW00003974_yearlong2011	04/21/2011	00:00:00	0.01181103
USW00003974_yearlong2011	04/22/2011	00:00:00	0.01181103
USW00003974_yearlong2011	04/23/2011	00:00:00	0
USW00003974_yearlong2011	04/24/2011	00:00:00	0
USW00003974_yearlong2011	04/25/2011	00:00:00	1.220473
USW00003974_yearlong2011	04/26/2011	00:00:00	0.03149608
USW00003974_yearlong2011	04/27/2011	00:00:00	0.01181103
USW00003974_yearlong2011	04/28/2011	00:00:00	0
USW00003974_yearlong2011	04/29/2011	00:00:00	0
USW00003974_yearlong2011	04/30/2011	00:00:00	0
USW00003974_yearlong2011	05/01/2011	00:00:00	0.01968505
USW00003974_yearlong2011	05/02/2011	00:00:00	0
USW00003974_yearlong2011	05/03/2011	00:00:00	0
USW00003974_yearlong2011	05/04/2011	00:00:00	0
USW00003974_yearlong2011	05/05/2011	00:00:00	0
USW00003974_yearlong2011	05/06/2011	00:00:00	0
USW00003974_yearlong2011	05/07/2011	00:00:00	0
USW00003974_yearlong2011	05/08/2011	00:00:00	0
USW00003974_yearlong2011	05/09/2011	00:00:00	0
USW00003974_yearlong2011	05/10/2011	00:00:00	0
USW00003974_yearlong2011	05/11/2011	00:00:00	0.1299213
USW00003974_yearlong2011	05/12/2011	00:00:00	0
USW00003974_yearlong2011	05/13/2011	00:00:00	0.01181103

USW00003974_yearlong2011	05/14/2011	00:00:00	0
USW00003974_yearlong2011	05/15/2011	00:00:00	0
USW00003974_yearlong2011	05/16/2011	00:00:00	0
USW00003974_yearlong2011	05/17/2011	00:00:00	0
USW00003974_yearlong2011	05/18/2011	00:00:00	0.2086615
USW00003974_yearlong2011	05/19/2011	00:00:00	0
USW00003974_yearlong2011	05/20/2011	00:00:00	0.9015753
USW00003974_yearlong2011	05/21/2011	00:00:00	0
USW00003974_yearlong2011	05/22/2011	00:00:00	0
USW00003974_yearlong2011	05/23/2011	00:00:00	0
USW00003974_yearlong2011	05/24/2011	00:00:00	0.4606302
USW00003974_yearlong2011	05/25/2011	00:00:00	0.3582679
USW00003974_yearlong2011	05/26/2011	00:00:00	0
USW00003974_yearlong2011	05/27/2011	00:00:00	0
USW00003974_yearlong2011	05/28/2011	00:00:00	0
USW00003974_yearlong2011	05/29/2011	00:00:00	0
USW00003974_yearlong2011	05/30/2011	00:00:00	0
USW00003974_yearlong2011	05/31/2011	00:00:00	0.3188978
USW00003974_yearlong2011	06/01/2011	00:00:00	0
USW00003974_yearlong2011	06/02/2011	00:00:00	0
USW00003974_yearlong2011	06/03/2011	00:00:00	0
USW00003974_yearlong2011	06/04/2011	00:00:00	0
USW00003974_yearlong2011	06/05/2011	00:00:00	0
USW00003974_yearlong2011	06/06/2011	00:00:00	0
USW00003974_yearlong2011	06/07/2011	00:00:00	0
USW00003974_yearlong2011	06/08/2011	00:00:00	0
USW00003974_yearlong2011	06/09/2011	00:00:00	1.039371
USW00003974_yearlong2011	06/10/2011	00:00:00	0
USW00003974_yearlong2011	06/11/2011	00:00:00	0.09055123
USW00003974_yearlong2011	06/12/2011	00:00:00	0.389764
USW00003974_yearlong2011	06/13/2011	00:00:00	0
USW00003974_yearlong2011	06/14/2011	00:00:00	0
USW00003974_yearlong2011	06/15/2011	00:00:00	0
USW00003974_yearlong2011	06/16/2011	00:00:00	1.208662
USW00003974_yearlong2011	06/17/2011	00:00:00	0
USW00003974_yearlong2011	06/18/2011	00:00:00	0.07086618
USW00003974_yearlong2011	06/19/2011	00:00:00	0
USW00003974_yearlong2011	06/20/2011	00:00:00	0
USW00003974_yearlong2011	06/21/2011	00:00:00	0
USW00003974_yearlong2011	06/22/2011	00:00:00	0
USW00003974_yearlong2011	06/23/2011	00:00:00	0.03149608
USW00003974_yearlong2011	06/24/2011	00:00:00	0
USW00003974_yearlong2011	06/25/2011	00:00:00	0
USW00003974_yearlong2011	06/26/2011	00:00:00	0
USW00003974_yearlong2011	06/27/2011	00:00:00	0
USW00003974_yearlong2011	06/28/2011	00:00:00	0
USW00003974_yearlong2011	06/29/2011	00:00:00	0
USW00003974_yearlong2011	06/30/2011	00:00:00	0
USW00003974_yearlong2011	07/01/2011	00:00:00	0
USW00003974_yearlong2011	07/02/2011	00:00:00	0
USW00003974_yearlong2011	07/03/2011	00:00:00	1.208662
USW00003974_yearlong2011	07/04/2011	00:00:00	0
USW00003974_yearlong2011	07/05/2011	00:00:00	0
USW00003974_yearlong2011	07/06/2011	00:00:00	0
USW00003974_yearlong2011	07/07/2011	00:00:00	0.01968505
USW00003974_yearlong2011	07/08/2011	00:00:00	0
USW00003974_yearlong2011	07/09/2011	00:00:00	0
USW00003974_yearlong2011	07/10/2011	00:00:00	0
USW00003974_yearlong2011	07/11/2011	00:00:00	0
USW00003974_yearlong2011	07/12/2011	00:00:00	0
USW00003974_yearlong2011	07/13/2011	00:00:00	1.728347
USW00003974_yearlong2011	07/14/2011	00:00:00	0
USW00003974_yearlong2011	07/15/2011	00:00:00	0

USW00003974_yearlong2011	07/16/2011	00:00:00	0
USW00003974_yearlong2011	07/17/2011	00:00:00	0
USW00003974_yearlong2011	07/18/2011	00:00:00	0
USW00003974_yearlong2011	07/19/2011	00:00:00	0
USW00003974_yearlong2011	07/20/2011	00:00:00	0
USW00003974_yearlong2011	07/21/2011	00:00:00	0
USW00003974_yearlong2011	07/22/2011	00:00:00	0
USW00003974_yearlong2011	07/23/2011	00:00:00	0
USW00003974_yearlong2011	07/24/2011	00:00:00	0
USW00003974_yearlong2011	07/25/2011	00:00:00	0
USW00003974_yearlong2011	07/26/2011	00:00:00	0
USW00003974_yearlong2011	07/27/2011	00:00:00	0
USW00003974_yearlong2011	07/28/2011	00:00:00	0
USW00003974_yearlong2011	07/29/2011	00:00:00	0
USW00003974_yearlong2011	07/30/2011	00:00:00	0
USW00003974_yearlong2011	07/31/2011	00:00:00	0
USW00003974_yearlong2011	08/01/2011	00:00:00	0
USW00003974_yearlong2011	08/02/2011	00:00:00	0
USW00003974_yearlong2011	08/03/2011	00:00:00	1.48819
USW00003974_yearlong2011	08/04/2011	00:00:00	0.07086618
USW00003974_yearlong2011	08/05/2011	00:00:00	0.0787402
USW00003974_yearlong2011	08/06/2011	00:00:00	0.2086615
USW00003974_yearlong2011	08/07/2011	00:00:00	0
USW00003974_yearlong2011	08/08/2011	00:00:00	0.01181103
USW00003974_yearlong2011	08/09/2011	00:00:00	0.01968505
USW00003974_yearlong2011	08/10/2011	00:00:00	0.7007878
USW00003974_yearlong2011	08/11/2011	00:00:00	0
USW00003974_yearlong2011	08/12/2011	00:00:00	0.01181103
USW00003974_yearlong2011	08/13/2011	00:00:00	0
USW00003974_yearlong2011	08/14/2011	00:00:00	0
USW00003974_yearlong2011	08/15/2011	00:00:00	0
USW00003974_yearlong2011	08/16/2011	00:00:00	0
USW00003974_yearlong2011	08/17/2011	00:00:00	0
USW00003974_yearlong2011	08/18/2011	00:00:00	0
USW00003974_yearlong2011	08/19/2011	00:00:00	0
USW00003974_yearlong2011	08/20/2011	00:00:00	0
USW00003974_yearlong2011	08/21/2011	00:00:00	0
USW00003974_yearlong2011	08/22/2011	00:00:00	0.03149608
USW00003974_yearlong2011	08/23/2011	00:00:00	0
USW00003974_yearlong2011	08/24/2011	00:00:00	0
USW00003974_yearlong2011	08/25/2011	00:00:00	0
USW00003974_yearlong2011	08/26/2011	00:00:00	0
USW00003974_yearlong2011	08/27/2011	00:00:00	0
USW00003974_yearlong2011	08/28/2011	00:00:00	0
USW00003974_yearlong2011	08/29/2011	00:00:00	0
USW00003974_yearlong2011	08/30/2011	00:00:00	0.01968505
USW00003974_yearlong2011	08/31/2011	00:00:00	0
USW00003974_yearlong2011	09/01/2011	00:00:00	0
USW00003974_yearlong2011	09/02/2011	00:00:00	0
USW00003974_yearlong2011	09/03/2011	00:00:00	0.07086618
USW00003974_yearlong2011	09/04/2011	00:00:00	0
USW00003974_yearlong2011	09/05/2011	00:00:00	0
USW00003974_yearlong2011	09/06/2011	00:00:00	0
USW00003974_yearlong2011	09/07/2011	00:00:00	0
USW00003974_yearlong2011	09/08/2011	00:00:00	0
USW00003974_yearlong2011	09/09/2011	00:00:00	0.05905515
USW00003974_yearlong2011	09/10/2011	00:00:00	0.2795277
USW00003974_yearlong2011	09/11/2011	00:00:00	0
USW00003974_yearlong2011	09/12/2011	00:00:00	0
USW00003974_yearlong2011	09/13/2011	00:00:00	0
USW00003974_yearlong2011	09/14/2011	00:00:00	0
USW00003974_yearlong2011	09/15/2011	00:00:00	0.01968505
USW00003974_yearlong2011	09/16/2011	00:00:00	0.03149608

USW00003974_yearlong2011	09/17/2011	00:00:00	0.2992128
USW00003974_yearlong2011	09/18/2011	00:00:00	0.3582679
USW00003974_yearlong2011	09/19/2011	00:00:00	0
USW00003974_yearlong2011	09/20/2011	00:00:00	0
USW00003974_yearlong2011	09/21/2011	00:00:00	0.03149608
USW00003974_yearlong2011	09/22/2011	00:00:00	0
USW00003974_yearlong2011	09/23/2011	00:00:00	0
USW00003974_yearlong2011	09/24/2011	00:00:00	0
USW00003974_yearlong2011	09/25/2011	00:00:00	0
USW00003974_yearlong2011	09/26/2011	00:00:00	0
USW00003974_yearlong2011	09/27/2011	00:00:00	0
USW00003974_yearlong2011	09/28/2011	00:00:00	0
USW00003974_yearlong2011	09/29/2011	00:00:00	0
USW00003974_yearlong2011	09/30/2011	00:00:00	0
USW00003974_yearlong2011	10/01/2011	00:00:00	0
USW00003974_yearlong2011	10/02/2011	00:00:00	0
USW00003974_yearlong2011	10/03/2011	00:00:00	0
USW00003974_yearlong2011	10/04/2011	00:00:00	0
USW00003974_yearlong2011	10/05/2011	00:00:00	0
USW00003974_yearlong2011	10/06/2011	00:00:00	0
USW00003974_yearlong2011	10/07/2011	00:00:00	0
USW00003974_yearlong2011	10/08/2011	00:00:00	0.8385831
USW00003974_yearlong2011	10/09/2011	00:00:00	0.8897642
USW00003974_yearlong2011	10/10/2011	00:00:00	0.01968505
USW00003974_yearlong2011	10/11/2011	00:00:00	0
USW00003974_yearlong2011	10/12/2011	00:00:00	0.01968505
USW00003974_yearlong2011	10/13/2011	00:00:00	0
USW00003974_yearlong2011	10/14/2011	00:00:00	0
USW00003974_yearlong2011	10/15/2011	00:00:00	0
USW00003974_yearlong2011	10/16/2011	00:00:00	0
USW00003974_yearlong2011	10/17/2011	00:00:00	0.01181103
USW00003974_yearlong2011	10/18/2011	00:00:00	0.01181103
USW00003974_yearlong2011	10/19/2011	00:00:00	0
USW00003974_yearlong2011	10/20/2011	00:00:00	0
USW00003974_yearlong2011	10/21/2011	00:00:00	0
USW00003974_yearlong2011	10/22/2011	00:00:00	0
USW00003974_yearlong2011	10/23/2011	00:00:00	0
USW00003974_yearlong2011	10/24/2011	00:00:00	0
USW00003974_yearlong2011	10/25/2011	00:00:00	0
USW00003974_yearlong2011	10/26/2011	00:00:00	0
USW00003974_yearlong2011	10/27/2011	00:00:00	0.01181103
USW00003974_yearlong2011	10/28/2011	00:00:00	0
USW00003974_yearlong2011	10/29/2011	00:00:00	0
USW00003974_yearlong2011	10/30/2011	00:00:00	0
USW00003974_yearlong2011	10/31/2011	00:00:00	0
USW00003974_yearlong2011	11/01/2011	00:00:00	0
USW00003974_yearlong2011	11/02/2011	00:00:00	0.1692914
USW00003974_yearlong2011	11/03/2011	00:00:00	0
USW00003974_yearlong2011	11/04/2011	00:00:00	0
USW00003974_yearlong2011	11/05/2011	00:00:00	0
USW00003974_yearlong2011	11/06/2011	00:00:00	0
USW00003974_yearlong2011	11/07/2011	00:00:00	1.421261
USW00003974_yearlong2011	11/08/2011	00:00:00	0.3503939
USW00003974_yearlong2011	11/09/2011	00:00:00	0
USW00003974_yearlong2011	11/10/2011	00:00:00	0
USW00003974_yearlong2011	11/11/2011	00:00:00	0
USW00003974_yearlong2011	11/12/2011	00:00:00	0
USW00003974_yearlong2011	11/13/2011	00:00:00	0
USW00003974_yearlong2011	11/14/2011	00:00:00	0
USW00003974_yearlong2011	11/15/2011	00:00:00	0
USW00003974_yearlong2011	11/16/2011	00:00:00	0
USW00003974_yearlong2011	11/17/2011	00:00:00	0
USW00003974_yearlong2011	11/18/2011	00:00:00	0

USW00003974_yearlong2011	11/19/2011	00:00:00	0
USW00003974_yearlong2011	11/20/2011	00:00:00	0
USW00003974_yearlong2011	11/21/2011	00:00:00	0.2401576
USW00003974_yearlong2011	11/22/2011	00:00:00	0.05905515
USW00003974_yearlong2011	11/23/2011	00:00:00	0
USW00003974_yearlong2011	11/24/2011	00:00:00	0
USW00003974_yearlong2011	11/25/2011	00:00:00	0.1811025
USW00003974_yearlong2011	11/26/2011	00:00:00	0.38189
USW00003974_yearlong2011	11/27/2011	00:00:00	0
USW00003974_yearlong2011	11/28/2011	00:00:00	0
USW00003974_yearlong2011	11/29/2011	00:00:00	0
USW00003974_yearlong2011	11/30/2011	00:00:00	0
USW00003974_yearlong2011	12/01/2011	00:00:00	0
USW00003974_yearlong2011	12/02/2011	00:00:00	0.0393701
USW00003974_yearlong2011	12/03/2011	00:00:00	0.771654
USW00003974_yearlong2011	12/04/2011	00:00:00	0
USW00003974_yearlong2011	12/05/2011	00:00:00	0
USW00003974_yearlong2011	12/06/2011	00:00:00	0
USW00003974_yearlong2011	12/07/2011	00:00:00	0
USW00003974_yearlong2011	12/08/2011	00:00:00	0
USW00003974_yearlong2011	12/09/2011	00:00:00	0
USW00003974_yearlong2011	12/10/2011	00:00:00	0
USW00003974_yearlong2011	12/11/2011	00:00:00	0.01181103
USW00003974_yearlong2011	12/12/2011	00:00:00	0
USW00003974_yearlong2011	12/13/2011	00:00:00	0.2007875
USW00003974_yearlong2011	12/14/2011	00:00:00	0.5196853
USW00003974_yearlong2011	12/15/2011	00:00:00	0
USW00003974_yearlong2011	12/16/2011	00:00:00	0
USW00003974_yearlong2011	12/17/2011	00:00:00	0
USW00003974_yearlong2011	12/18/2011	00:00:00	0
USW00003974_yearlong2011	12/19/2011	00:00:00	1.728347
USW00003974_yearlong2011	12/20/2011	00:00:00	0.05118113
USW00003974_yearlong2011	12/21/2011	00:00:00	0
USW00003974_yearlong2011	12/22/2011	00:00:00	0.01181103
USW00003974_yearlong2011	12/23/2011	00:00:00	0
USW00003974_yearlong2011	12/24/2011	00:00:00	0
USW00003974_yearlong2011	12/25/2011	00:00:00	0
USW00003974_yearlong2011	12/26/2011	00:00:00	0
USW00003974_yearlong2011	12/27/2011	00:00:00	0
USW00003974_yearlong2011	12/28/2011	00:00:00	0
USW00003974_yearlong2011	12/29/2011	00:00:00	0
USW00003974_yearlong2011	12/30/2011	00:00:00	0
USW00003974_yearlong2011	12/31/2011	00:00:00	0

;Rainfall (in/day)

USW00003974_yearlong2013	01/01/2013	00:00:00	0.01181103
USW00003974_yearlong2013	01/02/2013	00:00:00	0
USW00003974_yearlong2013	01/03/2013	00:00:00	0
USW00003974_yearlong2013	01/04/2013	00:00:00	0
USW00003974_yearlong2013	01/05/2013	00:00:00	0
USW00003974_yearlong2013	01/06/2013	00:00:00	0
USW00003974_yearlong2013	01/07/2013	00:00:00	0
USW00003974_yearlong2013	01/08/2013	00:00:00	0
USW00003974_yearlong2013	01/09/2013	00:00:00	0
USW00003974_yearlong2013	01/10/2013	00:00:00	0.2716537
USW00003974_yearlong2013	01/11/2013	00:00:00	0
USW00003974_yearlong2013	01/12/2013	00:00:00	0
USW00003974_yearlong2013	01/13/2013	00:00:00	0
USW00003974_yearlong2013	01/14/2013	00:00:00	0
USW00003974_yearlong2013	01/15/2013	00:00:00	0
USW00003974_yearlong2013	01/16/2013	00:00:00	0
USW00003974_yearlong2013	01/17/2013	00:00:00	0
USW00003974_yearlong2013	01/18/2013	00:00:00	0

USW00003974_yearlong2013	01/19/2013	00:00:00	0
USW00003974_yearlong2013	01/20/2013	00:00:00	0
USW00003974_yearlong2013	01/21/2013	00:00:00	0
USW00003974_yearlong2013	01/22/2013	00:00:00	0
USW00003974_yearlong2013	01/23/2013	00:00:00	0
USW00003974_yearlong2013	01/24/2013	00:00:00	0
USW00003974_yearlong2013	01/25/2013	00:00:00	0
USW00003974_yearlong2013	01/26/2013	00:00:00	0
USW00003974_yearlong2013	01/27/2013	00:00:00	0
USW00003974_yearlong2013	01/28/2013	00:00:00	0
USW00003974_yearlong2013	01/29/2013	00:00:00	0.01968505
USW00003974_yearlong2013	01/30/2013	00:00:00	0
USW00003974_yearlong2013	01/31/2013	00:00:00	0
USW00003974_yearlong2013	02/01/2013	00:00:00	0
USW00003974_yearlong2013	02/02/2013	00:00:00	0
USW00003974_yearlong2013	02/03/2013	00:00:00	0
USW00003974_yearlong2013	02/04/2013	00:00:00	0
USW00003974_yearlong2013	02/05/2013	00:00:00	0
USW00003974_yearlong2013	02/06/2013	00:00:00	0
USW00003974_yearlong2013	02/07/2013	00:00:00	0.1692914
USW00003974_yearlong2013	02/08/2013	00:00:00	0
USW00003974_yearlong2013	02/09/2013	00:00:00	0.01968505
USW00003974_yearlong2013	02/10/2013	00:00:00	0.01968505
USW00003974_yearlong2013	02/11/2013	00:00:00	0
USW00003974_yearlong2013	02/12/2013	00:00:00	0
USW00003974_yearlong2013	02/13/2013	00:00:00	0
USW00003974_yearlong2013	02/14/2013	00:00:00	0
USW00003974_yearlong2013	02/15/2013	00:00:00	0
USW00003974_yearlong2013	02/16/2013	00:00:00	0
USW00003974_yearlong2013	02/17/2013	00:00:00	0
USW00003974_yearlong2013	02/18/2013	00:00:00	0
USW00003974_yearlong2013	02/19/2013	00:00:00	0
USW00003974_yearlong2013	02/20/2013	00:00:00	0.1614174
USW00003974_yearlong2013	02/21/2013	00:00:00	0.5905515
USW00003974_yearlong2013	02/22/2013	00:00:00	0
USW00003974_yearlong2013	02/23/2013	00:00:00	0
USW00003974_yearlong2013	02/24/2013	00:00:00	0
USW00003974_yearlong2013	02/25/2013	00:00:00	0.1299213
USW00003974_yearlong2013	02/26/2013	00:00:00	0.01968505
USW00003974_yearlong2013	02/27/2013	00:00:00	0
USW00003974_yearlong2013	02/28/2013	00:00:00	0
USW00003974_yearlong2013	03/01/2013	00:00:00	0
USW00003974_yearlong2013	03/02/2013	00:00:00	0
USW00003974_yearlong2013	03/03/2013	00:00:00	0
USW00003974_yearlong2013	03/04/2013	00:00:00	0.03149608
USW00003974_yearlong2013	03/05/2013	00:00:00	0
USW00003974_yearlong2013	03/06/2013	00:00:00	0
USW00003974_yearlong2013	03/07/2013	00:00:00	0
USW00003974_yearlong2013	03/08/2013	00:00:00	0
USW00003974_yearlong2013	03/09/2013	00:00:00	1.011812
USW00003974_yearlong2013	03/10/2013	00:00:00	0
USW00003974_yearlong2013	03/11/2013	00:00:00	0
USW00003974_yearlong2013	03/12/2013	00:00:00	0
USW00003974_yearlong2013	03/13/2013	00:00:00	0
USW00003974_yearlong2013	03/14/2013	00:00:00	0
USW00003974_yearlong2013	03/15/2013	00:00:00	0
USW00003974_yearlong2013	03/16/2013	00:00:00	0
USW00003974_yearlong2013	03/17/2013	00:00:00	0.01181103
USW00003974_yearlong2013	03/18/2013	00:00:00	0
USW00003974_yearlong2013	03/19/2013	00:00:00	0
USW00003974_yearlong2013	03/20/2013	00:00:00	0
USW00003974_yearlong2013	03/21/2013	00:00:00	0
USW00003974_yearlong2013	03/22/2013	00:00:00	0

USW00003974_yearlong2013	03/23/2013	00:00:00	0.1811025
USW00003974_yearlong2013	03/24/2013	00:00:00	0.05905515
USW00003974_yearlong2013	03/25/2013	00:00:00	0
USW00003974_yearlong2013	03/26/2013	00:00:00	0
USW00003974_yearlong2013	03/27/2013	00:00:00	0
USW00003974_yearlong2013	03/28/2013	00:00:00	0
USW00003974_yearlong2013	03/29/2013	00:00:00	0
USW00003974_yearlong2013	03/30/2013	00:00:00	0.3503939
USW00003974_yearlong2013	03/31/2013	00:00:00	0.03149608
USW00003974_yearlong2013	04/01/2013	00:00:00	0.1496064
USW00003974_yearlong2013	04/02/2013	00:00:00	0.05905515
USW00003974_yearlong2013	04/03/2013	00:00:00	0
USW00003974_yearlong2013	04/04/2013	00:00:00	0
USW00003974_yearlong2013	04/05/2013	00:00:00	0
USW00003974_yearlong2013	04/06/2013	00:00:00	0
USW00003974_yearlong2013	04/07/2013	00:00:00	0.03149608
USW00003974_yearlong2013	04/08/2013	00:00:00	0
USW00003974_yearlong2013	04/09/2013	00:00:00	0.2992128
USW00003974_yearlong2013	04/10/2013	00:00:00	0.5118113
USW00003974_yearlong2013	04/11/2013	00:00:00	0.2598427
USW00003974_yearlong2013	04/12/2013	00:00:00	0
USW00003974_yearlong2013	04/13/2013	00:00:00	0
USW00003974_yearlong2013	04/14/2013	00:00:00	0
USW00003974_yearlong2013	04/15/2013	00:00:00	0
USW00003974_yearlong2013	04/16/2013	00:00:00	0.01181103
USW00003974_yearlong2013	04/17/2013	00:00:00	0.38189
USW00003974_yearlong2013	04/18/2013	00:00:00	0.09055123
USW00003974_yearlong2013	04/19/2013	00:00:00	0
USW00003974_yearlong2013	04/20/2013	00:00:00	0
USW00003974_yearlong2013	04/21/2013	00:00:00	0
USW00003974_yearlong2013	04/22/2013	00:00:00	1.090552
USW00003974_yearlong2013	04/23/2013	00:00:00	0.6181106
USW00003974_yearlong2013	04/24/2013	00:00:00	0.01181103
USW00003974_yearlong2013	04/25/2013	00:00:00	0
USW00003974_yearlong2013	04/26/2013	00:00:00	0.2401576
USW00003974_yearlong2013	04/27/2013	00:00:00	0
USW00003974_yearlong2013	04/28/2013	00:00:00	0
USW00003974_yearlong2013	04/29/2013	00:00:00	0
USW00003974_yearlong2013	04/30/2013	00:00:00	0
USW00003974_yearlong2013	05/01/2013	00:00:00	0.370079
USW00003974_yearlong2013	05/02/2013	00:00:00	0.9212604
USW00003974_yearlong2013	05/03/2013	00:00:00	0
USW00003974_yearlong2013	05/04/2013	00:00:00	0.01181103
USW00003974_yearlong2013	05/05/2013	00:00:00	0.01181103
USW00003974_yearlong2013	05/06/2013	00:00:00	0
USW00003974_yearlong2013	05/07/2013	00:00:00	0
USW00003974_yearlong2013	05/08/2013	00:00:00	0.8188981
USW00003974_yearlong2013	05/09/2013	00:00:00	0.07086618
USW00003974_yearlong2013	05/10/2013	00:00:00	0
USW00003974_yearlong2013	05/11/2013	00:00:00	0
USW00003974_yearlong2013	05/12/2013	00:00:00	0
USW00003974_yearlong2013	05/13/2013	00:00:00	0
USW00003974_yearlong2013	05/14/2013	00:00:00	0
USW00003974_yearlong2013	05/15/2013	00:00:00	0
USW00003974_yearlong2013	05/16/2013	00:00:00	0
USW00003974_yearlong2013	05/17/2013	00:00:00	0
USW00003974_yearlong2013	05/18/2013	00:00:00	0
USW00003974_yearlong2013	05/19/2013	00:00:00	1.019686
USW00003974_yearlong2013	05/20/2013	00:00:00	0
USW00003974_yearlong2013	05/21/2013	00:00:00	0
USW00003974_yearlong2013	05/22/2013	00:00:00	0
USW00003974_yearlong2013	05/23/2013	00:00:00	0
USW00003974_yearlong2013	05/24/2013	00:00:00	0

USW00003974_yearlong2013	05/25/2013	00:00:00	0
USW00003974_yearlong2013	05/26/2013	00:00:00	0
USW00003974_yearlong2013	05/27/2013	00:00:00	0
USW00003974_yearlong2013	05/28/2013	00:00:00	0
USW00003974_yearlong2013	05/29/2013	00:00:00	0.2519687
USW00003974_yearlong2013	05/30/2013	00:00:00	2.200788
USW00003974_yearlong2013	05/31/2013	00:00:00	0
USW00003974_yearlong2013	06/01/2013	00:00:00	0
USW00003974_yearlong2013	06/02/2013	00:00:00	0
USW00003974_yearlong2013	06/03/2013	00:00:00	0
USW00003974_yearlong2013	06/04/2013	00:00:00	0
USW00003974_yearlong2013	06/05/2013	00:00:00	0.5984255
USW00003974_yearlong2013	06/06/2013	00:00:00	0
USW00003974_yearlong2013	06/07/2013	00:00:00	0
USW00003974_yearlong2013	06/08/2013	00:00:00	0.5787405
USW00003974_yearlong2013	06/09/2013	00:00:00	0
USW00003974_yearlong2013	06/10/2013	00:00:00	0
USW00003974_yearlong2013	06/11/2013	00:00:00	0
USW00003974_yearlong2013	06/12/2013	00:00:00	0
USW00003974_yearlong2013	06/13/2013	00:00:00	0
USW00003974_yearlong2013	06/14/2013	00:00:00	0
USW00003974_yearlong2013	06/15/2013	00:00:00	0
USW00003974_yearlong2013	06/16/2013	00:00:00	0.0787402
USW00003974_yearlong2013	06/17/2013	00:00:00	1.271654
USW00003974_yearlong2013	06/18/2013	00:00:00	0
USW00003974_yearlong2013	06/19/2013	00:00:00	0.1417324
USW00003974_yearlong2013	06/20/2013	00:00:00	0
USW00003974_yearlong2013	06/21/2013	00:00:00	0
USW00003974_yearlong2013	06/22/2013	00:00:00	0
USW00003974_yearlong2013	06/23/2013	00:00:00	0
USW00003974_yearlong2013	06/24/2013	00:00:00	0.0393701
USW00003974_yearlong2013	06/25/2013	00:00:00	0
USW00003974_yearlong2013	06/26/2013	00:00:00	0
USW00003974_yearlong2013	06/27/2013	00:00:00	0.1181103
USW00003974_yearlong2013	06/28/2013	00:00:00	0
USW00003974_yearlong2013	06/29/2013	00:00:00	0
USW00003974_yearlong2013	06/30/2013	00:00:00	0
USW00003974_yearlong2013	07/01/2013	00:00:00	0
USW00003974_yearlong2013	07/02/2013	00:00:00	0
USW00003974_yearlong2013	07/03/2013	00:00:00	0
USW00003974_yearlong2013	07/04/2013	00:00:00	0
USW00003974_yearlong2013	07/05/2013	00:00:00	0
USW00003974_yearlong2013	07/06/2013	00:00:00	0.01968505
USW00003974_yearlong2013	07/07/2013	00:00:00	0.1102363
USW00003974_yearlong2013	07/08/2013	00:00:00	0
USW00003974_yearlong2013	07/09/2013	00:00:00	0
USW00003974_yearlong2013	07/10/2013	00:00:00	0
USW00003974_yearlong2013	07/11/2013	00:00:00	0
USW00003974_yearlong2013	07/12/2013	00:00:00	0
USW00003974_yearlong2013	07/13/2013	00:00:00	0
USW00003974_yearlong2013	07/14/2013	00:00:00	1.259843
USW00003974_yearlong2013	07/15/2013	00:00:00	0.1692914
USW00003974_yearlong2013	07/16/2013	00:00:00	0
USW00003974_yearlong2013	07/17/2013	00:00:00	0
USW00003974_yearlong2013	07/18/2013	00:00:00	0
USW00003974_yearlong2013	07/19/2013	00:00:00	0
USW00003974_yearlong2013	07/20/2013	00:00:00	0.1299213
USW00003974_yearlong2013	07/21/2013	00:00:00	0.3582679
USW00003974_yearlong2013	07/22/2013	00:00:00	0.4881893
USW00003974_yearlong2013	07/23/2013	00:00:00	0.9291344
USW00003974_yearlong2013	07/24/2013	00:00:00	0
USW00003974_yearlong2013	07/25/2013	00:00:00	0.03149608
USW00003974_yearlong2013	07/26/2013	00:00:00	1.031497

USW00003974_yearlong2013	07/27/2013	00:00:00	0.1614174
USW00003974_yearlong2013	07/28/2013	00:00:00	1.98819
USW00003974_yearlong2013	07/29/2013	00:00:00	1.421261
USW00003974_yearlong2013	07/30/2013	00:00:00	0
USW00003974_yearlong2013	07/31/2013	00:00:00	0
USW00003974_yearlong2013	08/01/2013	00:00:00	0
USW00003974_yearlong2013	08/02/2013	00:00:00	0.3503939
USW00003974_yearlong2013	08/03/2013	00:00:00	0.3110238
USW00003974_yearlong2013	08/04/2013	00:00:00	2.149607
USW00003974_yearlong2013	08/05/2013	00:00:00	0.4803152
USW00003974_yearlong2013	08/06/2013	00:00:00	0.7519689
USW00003974_yearlong2013	08/07/2013	00:00:00	0.03149608
USW00003974_yearlong2013	08/08/2013	00:00:00	1.279528
USW00003974_yearlong2013	08/09/2013	00:00:00	0.0393701
USW00003974_yearlong2013	08/10/2013	00:00:00	0
USW00003974_yearlong2013	08/11/2013	00:00:00	0
USW00003974_yearlong2013	08/12/2013	00:00:00	0.2795277
USW00003974_yearlong2013	08/13/2013	00:00:00	0.5708665
USW00003974_yearlong2013	08/14/2013	00:00:00	0
USW00003974_yearlong2013	08/15/2013	00:00:00	0.6299216
USW00003974_yearlong2013	08/16/2013	00:00:00	0.01181103
USW00003974_yearlong2013	08/17/2013	00:00:00	0
USW00003974_yearlong2013	08/18/2013	00:00:00	0
USW00003974_yearlong2013	08/19/2013	00:00:00	0
USW00003974_yearlong2013	08/20/2013	00:00:00	0
USW00003974_yearlong2013	08/21/2013	00:00:00	0
USW00003974_yearlong2013	08/22/2013	00:00:00	0
USW00003974_yearlong2013	08/23/2013	00:00:00	0
USW00003974_yearlong2013	08/24/2013	00:00:00	0
USW00003974_yearlong2013	08/25/2013	00:00:00	0
USW00003974_yearlong2013	08/26/2013	00:00:00	0
USW00003974_yearlong2013	08/27/2013	00:00:00	0
USW00003974_yearlong2013	08/28/2013	00:00:00	0
USW00003974_yearlong2013	08/29/2013	00:00:00	0
USW00003974_yearlong2013	08/30/2013	00:00:00	0
USW00003974_yearlong2013	08/31/2013	00:00:00	0
USW00003974_yearlong2013	09/01/2013	00:00:00	0
USW00003974_yearlong2013	09/02/2013	00:00:00	0
USW00003974_yearlong2013	09/03/2013	00:00:00	0
USW00003974_yearlong2013	09/04/2013	00:00:00	0
USW00003974_yearlong2013	09/05/2013	00:00:00	0
USW00003974_yearlong2013	09/06/2013	00:00:00	0
USW00003974_yearlong2013	09/07/2013	00:00:00	0
USW00003974_yearlong2013	09/08/2013	00:00:00	0
USW00003974_yearlong2013	09/09/2013	00:00:00	0
USW00003974_yearlong2013	09/10/2013	00:00:00	0
USW00003974_yearlong2013	09/11/2013	00:00:00	0
USW00003974_yearlong2013	09/12/2013	00:00:00	0.0393701
USW00003974_yearlong2013	09/13/2013	00:00:00	0
USW00003974_yearlong2013	09/14/2013	00:00:00	0
USW00003974_yearlong2013	09/15/2013	00:00:00	0.6811028
USW00003974_yearlong2013	09/16/2013	00:00:00	0.05118113
USW00003974_yearlong2013	09/17/2013	00:00:00	0.1102363
USW00003974_yearlong2013	09/18/2013	00:00:00	0
USW00003974_yearlong2013	09/19/2013	00:00:00	0.6811028
USW00003974_yearlong2013	09/20/2013	00:00:00	0
USW00003974_yearlong2013	09/21/2013	00:00:00	0
USW00003974_yearlong2013	09/22/2013	00:00:00	0
USW00003974_yearlong2013	09/23/2013	00:00:00	0
USW00003974_yearlong2013	09/24/2013	00:00:00	0
USW00003974_yearlong2013	09/25/2013	00:00:00	0
USW00003974_yearlong2013	09/26/2013	00:00:00	0
USW00003974_yearlong2013	09/27/2013	00:00:00	0

USW00003974_yearlong2013	11/30/2013	00:00:00	0
USW00003974_yearlong2013	12/01/2013	00:00:00	0
USW00003974_yearlong2013	12/02/2013	00:00:00	0
USW00003974_yearlong2013	12/03/2013	00:00:00	0
USW00003974_yearlong2013	12/04/2013	00:00:00	0.01181103
USW00003974_yearlong2013	12/05/2013	00:00:00	0
USW00003974_yearlong2013	12/06/2013	00:00:00	0
USW00003974_yearlong2013	12/07/2013	00:00:00	0
USW00003974_yearlong2013	12/08/2013	00:00:00	0
USW00003974_yearlong2013	12/09/2013	00:00:00	0
USW00003974_yearlong2013	12/10/2013	00:00:00	0
USW00003974_yearlong2013	12/11/2013	00:00:00	0
USW00003974_yearlong2013	12/12/2013	00:00:00	0
USW00003974_yearlong2013	12/13/2013	00:00:00	0
USW00003974_yearlong2013	12/14/2013	00:00:00	0
USW00003974_yearlong2013	12/15/2013	00:00:00	0
USW00003974_yearlong2013	12/16/2013	00:00:00	0
USW00003974_yearlong2013	12/17/2013	00:00:00	0
USW00003974_yearlong2013	12/18/2013	00:00:00	0
USW00003974_yearlong2013	12/19/2013	00:00:00	0
USW00003974_yearlong2013	12/20/2013	00:00:00	0
USW00003974_yearlong2013	12/21/2013	00:00:00	0.4488191
USW00003974_yearlong2013	12/22/2013	00:00:00	0.01968505
USW00003974_yearlong2013	12/23/2013	00:00:00	0
USW00003974_yearlong2013	12/24/2013	00:00:00	0
USW00003974_yearlong2013	12/25/2013	00:00:00	0
USW00003974_yearlong2013	12/26/2013	00:00:00	0
USW00003974_yearlong2013	12/27/2013	00:00:00	0
USW00003974_yearlong2013	12/28/2013	00:00:00	0
USW00003974_yearlong2013	12/29/2013	00:00:00	0
USW00003974_yearlong2013	12/30/2013	00:00:00	0
USW00003974_yearlong2013	12/31/2013	00:00:00	0

[REPORT]

INPUT NO
 CONTROLS NO
 SUBCATCHMENTS ALL
 NODES ALL
 LINKS ALL

[TAGS]

Link	L105	Chisholm
Link	L106	Little_Ark
Link	L107	Chisholm
Link	L110	BigSlough
Link	L111	CowskinCreek
Link	L112	CowskinCreek
Link	L114	CowskinCreek
Link	L117	Arkansas
Link	L118	EastForkChisholm
Link	L124	BigSlough
Link	L130	Arkansas
Link	L131	Little_Ark
Link	L137	BigSlough
Link	L138	DryCreek
Link	L139	CowskinCreek
Link	L140	DryCreek
Link	L148	Chisholm
Link	L149	EastForkChisholm
Link	L151	Little_Ark
Link	L156	DryCreek
Link	L158	Arkansas
Link	L162	Chisholm

Link	L164	Arkansas
Link	L165	Little_Ark
Link	L166	Gypsum
Link	L172	BigSlough
Link	L173	WVC_Flooday
Link	L175	CowskinCreek
Link	L181	Gypsum
Link	L185	CowskinCreek
Link	L190	CowskinCreek
Link	L194	Chisholm
Link	L196	Arkansas
Link	L199	Gypsum
Link	L200	Chisholm
Link	L201	Gypsum
Link	L203	Gypsum
Link	L210	Arkansas
Link	L212	Arkansas
Link	L216	BigSlough
Link	L219	CowskinCreek
Link	L220	DryCreek
Link	L221	DryCreek
Link	L225	WVC_Floodway
Link	L227	CowskinCreek
Link	L228	CowskinCreek
Link	L231	WVC_Floodway
Link	L237	Arkansas
Link	L240	WVC_Floodway
Link	L242	Arkansas
Link	L244	BigSlough
Link	L249	Arkansas
Link	L255	Arkansas
Link	L257	Arkansas
Link	L258	WVC_Floodway
Link	L262	Arkansas
Link	L67	Little_Ark
Link	L82	CowskinCreek
Link	L89	CowskinCreek
Link	L90	CowskinCreek
Link	L91	CowskinCreek
Link	L93	Chisholm
Link	L94	CowskinCreek
Link	L95	Little_Ark
Link	L99	CowskinCreek

[MAP]

DIMENSIONS 2034133.7817992 13619827.1487127 2159384.0743248 13772879.1151339
 UNITS None

[COORDINATES]

;;Node	X-Coord	Y-Coord
4446-0021	2068193.027	13683106.157
4446-0022	2068186.534	13683060.988
4446-0023	2068180.407	13683047.716
4446-0205	2067552.061	13684095.161
4446-0212	2069404.121	13684359.084
4446-0213	2069414.236	13684381.214
4446-3003	2069390.169	13684287.706
4446-3018	2066349.156	13683619.276
4446-3019	2066938.408	13684150.874
4446-3020	2067603.036	13684111.911
4446-3027	2068567.233	13683588.336
4446-3034	2067960.189	13683772.835

4446-3047	2069396.231	13684313.818
454-3038	2072399.151	13695626.081
4546-0118	2070851.233	13684752.244
4546-0132	2069710.017	13685002.392
4546-0357	2069550.627	13684427.723
4546-3007	2070824.937	13685015.046
4547-0005	2073715.579	13689957.51
4547-0008	2073707.585	13690282.761
4547-0009	2073728.411	13690296.83
4547-0107	2073687.662	13685478.777
4547-0110	2073685.646	13685367.277
4547-0111	2073760.669	13685364.445
4547-0113	2073978.301	13685255.646
4547-0149	2071049.251	13685336.237
4547-0181	2074661.481	13685152.746
4547-0182	2074396.572	13685140.614
4547-0186	2073977.943	13685130.761
4547-0203	2074689.268	13685952.662
4547-0204	2074722.777	13685517.906
4547-0205	2074730.027	13685500.466
4547-0206	2074697.106	13685549.197
4547-0207	2074714.331	13685338.089
4547-0208	2074716.379	13685216.198
4547-0209	2074718.184	13685153.256
4547-0210	2074723.615	13685122.999
4547-0216	2070822.874	13685051.07
4547-0229	2073536.432	13685477.06
4547-3012	2074474.229	13690355.288
4547-3019	2074293.533	13687845.679
4547-3020	2074709.719	13687398.251
4547-3025	2074348.422	13685137.503
4547-3029	2069709.425	13685041.222
4547-3030	2070092.77	13685345.91
4547-3032	2070794.293	13685248.888
4547-3035	2070995.993	13685409.458
4547-3036	2071059.075	13685451.351
4547-3038	2071636.018	13686001.48
4547-3040	2072412.079	13686412.397
4547-3042	2073356.77	13687558.616
4547-3044	2074472.051	13687466.952
4548-0052	2073274.797	13694511.988
4548-0063	2072401.718	13695553.852
4548-3000	2073761.673	13693989.584
4548-3002	2073832.372	13693940.968
4548-3008	2074520.242	13693213.79
4548-3009	2074522.366	13693122.188
4548-3010	2074587.984	13692957.469
4548-3013	2072485.542	13695281.109
4548-3014	2074493.967	13690395.04
4548-3015	2074498.845	13690403.851
4548-3017	2074645.119	13690531.968
4548-3018	2072592.038	13694883.126
4548-3020	2073210.473	13694490.554
4549-0012	2073904.066	13698116.402
4549-0013	2073905.486	13698074.374
4549-0017	2073894.307	13698253.973
4549-0078	2073654.656	13696807.681
4549-0079	2073655.515	13696765.65
4549-0082	2073649.697	13696942.574
4549-0083	2073646.716	13697070.282
4549-0084	2073641.515	13697239.202
4549-0085	2073683.422	13697240.464
4549-0086	2073818.489	13697245.456

4549-0102	2073802.12	13696581.174
4549-0103	2073760.299	13696579.664
4549-0105	2073922.932	13696587.545
4549-0106	2074001.672	13696587.663
4549-0120	2072401.447	13695590.74
4549-0136	2072103.462	13695790.734
4549-0137	2072145.304	13695792.094
4549-0139	2071920.266	13695784.323
4549-0145	2071874.393	13695782.893
4549-0146	2071868.506	13695949.453
4549-0148	2071694.395	13696143.197
4549-0149	2071656.873	13696162.406
4549-0152	2071866.481	13696030.978
4549-0209	2074499.286	13696464.266
4549-3024	2074496.317	13696471.74
4647-0230	2079895.78	13688931.289
4647-0236	2078510.706	13685238.602
4647-0248a	2075413.131	13685185.822
4647-0248b	2075956.676	13685205.907
4647-0249	2075385.957	13685176.224
4647-0252	2075351.781	13685155.157
4647-0254	2074962.088	13685132.006
4647-0261	2075124.979	13685144.158
4647-0323	2076817.383	13688472.747
4647-0328b	2075193.516	13687727.736
4647-0328c	2075192.099	13687708.463
4647-0329b	2077045.009	13685322.652
4647-0345a	2077595.215	13688937.958
4647-0345b	2077614.362	13688903.359
4647-3000	2075403.324	13690338.622
4647-3012	2077684.459	13688820.159
4647-3013	2077727.473	13688742.478
4647-3020	2077658.543	13688156.268
4647-3030	2074751.461	13687392.353
4647-3061	2077195.875	13685287.8
4647-3085	2075391.984	13685182.429
4647-3111	2079109.304	13687801.116
4648-0068	2076252.517	13693919.959
4648-0069	2076276.629	13693957.057
4648-0071	2076394.407	13694058.974
4648-0072	2076574.237	13694286.3
4648-0074	2076118.631	13693825.626
4648-0075	2075894.427	13693709.074
4648-0076	2075909.512	13693707.562
4648-0077	2075912.869	13693711.123
4648-0126	2075869.737	13694898.584
4648-0142	2078762.783	13692325.628
4648-0148	2078763.419	13692281.636
4648-0245	2079384.192	13693312.074
4648-0246	2079366.738	13693232.43
4648-0271	2077139.642	13694209.558
4648-0281	2078494.349	13694821.893
4648-0285	2078438.767	13695015.567
4648-3002	2075895.176	13694898.899
4648-3005	2076231.689	13694717.18
4648-3019	2077535.966	13694278.365
4648-3054	2079355.638	13693191.776
4648-3056	2074634.164	13692959.159
4648-3058	2075661.94	13690553.878
4648-3059	2075847.661	13690604.08
4648-3060	2078430.904	13695008.827
4648-3062	2078498.716	13694829.799
4648-3065	2075634.577	13695615.095

4649-0022	2077847.508	13699972.321
4649-0023b	2077897.247	13700023.691
4649-0135a	2077414.966	13699776.736
4649-0178	2074540.976	13696473.174
4649-0214c	2075628.014	13695757.128
4649-3037	2075628.436	13695746.844
4745-3056	2081470.107	13679857.324
4746-0012	2083783.744	13684441.349
4746-0030	2083318.562	13684419.586
4746-0032	2083253.184	13684376.946
4746-0232	2082693.643	13685330.874
4746-0299	2084909.626	13682395.521
4746-0301	2085088.525	13682350.652
4746-0305	2081940.048	13682835.176
4746-0309	2081931.717	13683236.049
4746-0313	2081916.209	13682741.114
4746-0320	2083769.003	13682959.86
4746-3037	2081914.559	13682695.719
4746-3039	2081966.588	13683291.322
4746-3042	2081541.735	13683493.706
4746-3057	2081571.551	13680165.604
4746-3058	2081718.02	13680806.528
4746-3059	2081747.946	13680837.375
4746-3060	2081972.964	13681081.238
4747-0244	2082571.006	13685781.46
4747-0350	2082674.204	13685430.669
4747-3021	2079932.094	13688932.078
4747-3031	2082610.219	13685764.976
4846-0420	2085978.666	13682357.499
4846-3005	2086016.806	13682287.045
4846-3007	2085360.802	13682640.512
N105	2120891.721	13719754.54
N106	2115508.203	13717499.55
N107	2118748.471	13714624.96
N109	2045771.332	13713959.64
N110	2085969.958	13723319.85
N111	2063206.819	13715447.72
N112	2069809.247	13715112.52
N114	2072450.218	13713131.79
N117	2105856.445	13723039.066
N118	2147555.371	13719749.46
N124	2093019.319	13713974.87
N130	2108804.2	13712085.56
N131	2118271.065	13714167.87
N137	2097630.861	13705239.35
N138	2073557.394	13704751.79
N139	2075660.013	13712562.97
N140	2070388.229	13700363.72
N148	2124111.674	13703329.73
N149	2137489.208	13708205.37
N151	2114205.063	13711322.45
N154	2076462.462	13701267.74
N154-1	2076190.507	13700297.3
N154-17	2077734.085	13696093.07
N154-23	2078844.407	13694610.55
N154-25	2079558.751	13693536.47
N154-26	2080528.918	13693890.59
N154-28	2082204.007	13692999.72
N154-5	2077509.767	13698252.67
N154-9	2077733.548	13698221.72
N156	2060190.018	13693131.52
N162	2126833.906	13694512.95
N164	2111902.262	13691922.77

N165	2119022.726	13693507.35
N166	2148753.965	13690714.01
N172	2097031.563	13703319.57
N173	2107392.296	13704365.8
N175	2082750.005	13693547.98
N181	2150673.748	13688073.04
N184	2079916.04	13683481.82
N185	2087026.346	13685411.76
N190	2086427.049	13681318.25
N194	2127880.137	13690653.07
N196	2117803.816	13690185.82
N199	2148347.662	13683248.19
N200	2130114.804	13673100.77
N201	2130896.938	13672125.64
N203	2130409.374	13671617.76
N210	2122781.031	13672826.51
N212	2124446.874	13666843.7
N216	2111968.286	13666137.75
N219	2087666.274	13674634.56
N220	2086487.995	13661612.54
N221	2091444.894	13660017.8
N225	2100749.238	13686112.63
N227	2105604.562	13657153.37
N228	2101053.966	13661439.87
N231	2106894.575	13657214.31
N237	2132024.43	13668550.17
N240	2107575.132	13656066.51
N242	2132217.424	13652044.1
N244	2121358.97	13662465.78
N249	2131587.654	13649992.27
N255	2134787.292	13646904.37
N257	2136910.226	13642556.92
N258	2112034.31	13650317.31
N262	2138555.754	13638585.31
N73	2105537.425	13741543.226
N82	2044405.137	13731852.22
N89	2055395.64	13725970.98
N90	2059956.393	13723279.22
N91	2059905.606	13720282.73
N93	2126427.602	13734259.56
N94	2040047.535	13718205.51
N95	2107443.084	13735021.38
N99	2060210.333	13719774.85
Outfall	2140303.305	13637267.205
4446-0013	2067761.752	13684103.325
4446-0025	2067953.892	13682872.047
4446-0030	2067540.799	13683357.565
4446-0157	2066234.44	13683481.909
4446-0203	2067290.456	13684185.966
4446-0206	2068862.793	13683694.135
4546-3004	2070670.307	13684495.486
4547-0007	2073527.236	13689534.5
4547-0059	2074144.197	13688090.895
4547-0093	2074503.863	13686018.611
4547-0109	2073306.006	13685543.674
4547-0175	2071901.997	13686196.507
4547-0223	2072652.097	13687197.512
4547-0233	2071433.02	13685914.041
4547-0240	2070462.012	13685339.845
4547-3043	2074400.591	13687443.654
4547-3050	2071372.78	13686218.096
4548-0014	2074140.392	13693618.159
4548-3019	2072607.719	13694835.977

4548-3021	2073156.813	13694495.145
4549-0006	2073508.042	13699045.62
4549-0015	2073957.522	13697615.97
4549-0081	2073610.805	13696469.89
4549-0115	2072396.168	13695710.711
4549-3028	2071401.8	13696346.766
4647-0036	2079148.376	13689467.291
4647-0041	2077839.017	13688409.293
4647-0076	2078920.808	13687476.834
4647-0084	2078267.213	13686448.639
4647-0151	2076362.182	13686931.845
4647-0173	2076687.132	13685265.839
4647-0174	2076043.875	13685239.877
4647-0190	2075173.782	13687894.109
4647-0221	2077092.999	13688373.286
4647-0300	2077101.146	13687714.595
4647-0322	2076804.987	13688690.597
4647-3001	2076099.306	13690166.824
4647-3004	2075972.666	13689754.641
4647-3023	2077438.3	13687452.823
4647-3069	2077738.146	13685302.597
4647-3094	2078732.6	13689989.275
4647-3109	2079426.538	13688811.357
4647-3118	2077522.603	13689207.813
4648-0018	2078216.306	13700356.42
4648-0025	2078121.166	13695349.17
4648-0033	2077953.996	13694671.79
4648-0034	2078981.207	13693895.102
4648-0049	2076682.125	13694509.68
4648-0083	2075403.376	13693596.49
4648-0115	2075687.018	13694928.53
4648-0145	2078716.459	13692520.49
4648-0147	2078992.203	13692991.65
4648-0151	2078783.935	13692057.02
4649-0025	2077592.44	13699921.98
4649-0062	2078258.673	13697126.08
4649-0080	2077317.957	13696530.31
4649-0101	2074724.963	13696349.46
4649-0136	2075047.927	13696336.32
4649-0163	2076152.717	13700585.29
4745-3012	2081663.991	13678893.756
4746-0009	2084080.029	13684654.35
4746-0038	2082954.254	13684717.949
4746-0039	2083375.004	13684054.943
4746-0056	2083450.008	13683453.8
4746-0083	2081843.068	13683913.837
4746-0177	2083452.701	13683207.659
4746-0179	2084585.23	13682156.012
4746-0307	2081920.269	13683108.384
4746-0312	2081544.772	13683250.771
4746-0314	2081913.416	13682687.384
4747-0128	2082192.193	13686549.449
4747-0247	2080268.87	13688924.212
4748-0115	2080269.49	13694107.26
4748-0139	2081920.783	13692791.14

[VERTICES]

```
;;Link      X-Coord      Y-Coord
;;-----
```

[POLYGONS]

```
;;Subcatchment X-Coord      Y-Coord
;;-----
```

100	2052331.604	13712806.083
100	2052326.604	13712811.083
100	2052326.604	13712821.083
100	2052336.604	13712821.083
100	2052336.604	13712811.083
100	2052331.604	13712806.083
101	2067726.596	13721012.492
101	2067721.596	13721017.492
101	2067721.596	13721027.492
101	2067731.596	13721027.492
101	2067731.596	13721017.492
101	2067726.596	13721012.492
102	2127814.261	13723210.203
102	2127809.261	13723215.203
102	2127809.261	13723225.203
102	2127819.261	13723225.203
102	2127819.261	13723215.203
102	2127814.261	13723210.203
103	2133781.755	13724460.706
103	2133776.755	13724465.706
103	2133776.755	13724475.706
103	2133786.755	13724475.706
103	2133786.755	13724465.706
103	2133781.755	13724460.706
104	2118166.014	13721226.114
104	2118161.014	13721231.114
104	2118161.014	13721241.114
104	2118171.014	13721241.114
104	2118171.014	13721231.114
104	2118166.014	13721226.114
105	2120497.856	13717062.15
105	2120492.856	13717067.15
105	2120492.856	13717077.15
105	2120502.856	13717077.15
105	2120502.856	13717067.15
105	2120497.856	13717062.15
106	2116046.435	13718365.171
106	2116041.435	13718370.171
106	2116041.435	13718380.171
106	2116051.435	13718380.171
106	2116051.435	13718370.171
106	2116046.435	13718365.171
107	2118819.419	13714592.218
107	2118814.419	13714597.218
107	2118814.419	13714607.218
107	2118824.419	13714607.218
107	2118824.419	13714597.218
107	2118819.419	13714592.218
108	2086748.073	13728669.947
108	2086743.073	13728674.947
108	2086743.073	13728684.947
108	2086753.073	13728684.947
108	2086753.073	13728674.947
108	2086748.073	13728669.947
109	2047569.502	13715258.644
109	2047564.502	13715263.644
109	2047564.502	13715273.644
109	2047574.502	13715273.644
109	2047574.502	13715263.644
109	2047569.502	13715258.644
110	2089278.914	13720061.122
110	2089273.914	13720066.122
110	2089273.914	13720076.122

110	2089283.914	13720076.122
110	2089283.914	13720066.122
110	2089278.914	13720061.122
111	2063675.068	13713062.057
111	2063670.068	13713067.057
111	2063670.068	13713077.057
111	2063680.068	13713077.057
111	2063680.068	13713067.057
111	2063675.068	13713062.057
112	2070969.725	13714808.042
112	2070964.725	13714813.042
112	2070964.725	13714823.042
112	2070974.725	13714823.042
112	2070974.725	13714813.042
112	2070969.725	13714808.042
113	2056962.164	13710549.739
113	2056957.164	13710554.739
113	2056957.164	13710564.739
113	2056967.164	13710564.739
113	2056967.164	13710554.739
113	2056962.164	13710549.739
114	2073440.365	13715657.989
114	2073435.365	13715662.989
114	2073435.365	13715672.989
114	2073445.365	13715672.989
114	2073445.365	13715662.989
114	2073440.365	13715657.989
115	2077290.192	13715743.072
115	2077285.192	13715748.072
115	2077285.192	13715758.072
115	2077295.192	13715758.072
115	2077295.192	13715748.072
115	2077290.192	13715743.072
116	2099880.916	13722431.896
116	2099875.916	13722436.896
116	2099875.916	13722446.896
116	2099885.916	13722446.896
116	2099885.916	13722436.896
116	2099880.916	13722431.896
117	2102377.584	13724061.637
117	2102372.584	13724066.637
117	2102372.584	13724076.637
117	2102382.584	13724076.637
117	2102382.584	13724066.637
117	2102377.584	13724061.637
118	2145748.566	13716742.777
118	2145743.566	13716747.777
118	2145743.566	13716757.777
118	2145753.566	13716757.777
118	2145753.566	13716747.777
118	2145748.566	13716742.777
119	2138235.822	13707911.81
119	2138230.822	13707916.81
119	2138230.822	13707926.81
119	2138240.822	13707926.81
119	2138240.822	13707916.81
119	2138235.822	13707911.81
120	2144713.742	13707503.24
120	2144708.742	13707508.24
120	2144708.742	13707518.24
120	2144718.742	13707518.24
120	2144718.742	13707508.24
120	2144713.742	13707503.24

121	2127628.885	13712646.995
121	2127623.885	13712651.995
121	2127623.885	13712661.995
121	2127633.885	13712661.995
121	2127633.885	13712651.995
121	2127628.885	13712646.995
122	2133782.077	13715340.737
122	2133777.077	13715345.737
122	2133777.077	13715355.737
122	2133787.077	13715355.737
122	2133787.077	13715345.737
122	2133782.077	13715340.737
123	2140962.146	13703673.075
123	2140957.146	13703678.075
123	2140957.146	13703688.075
123	2140967.146	13703688.075
123	2140967.146	13703678.075
123	2140962.146	13703673.075
124	2095869.772	13710459.504
124	2095864.772	13710464.504
124	2095864.772	13710474.504
124	2095874.772	13710474.504
124	2095874.772	13710464.504
124	2095869.772	13710459.504
125	2063697.161	13706720.887
125	2063692.161	13706725.887
125	2063692.161	13706735.887
125	2063702.161	13706735.887
125	2063702.161	13706725.887
125	2063697.161	13706720.887
126	2069829.898	13704676.363
126	2069824.898	13704681.363
126	2069824.898	13704691.363
126	2069834.898	13704691.363
126	2069834.898	13704681.363
126	2069829.898	13704676.363
127	2087506.583	13715107.274
127	2087501.583	13715112.274
127	2087501.583	13715122.274
127	2087511.583	13715122.274
127	2087511.583	13715112.274
127	2087506.583	13715107.274
128	2092971.442	13705092.126
128	2092966.442	13705097.126
128	2092966.442	13705107.126
128	2092976.442	13705107.126
128	2092976.442	13705097.126
128	2092971.442	13705092.126
129	2101645.98	13710759.489
129	2101640.98	13710764.489
129	2101640.98	13710774.489
129	2101650.98	13710774.489
129	2101650.98	13710764.489
129	2101645.98	13710759.489
130	2108700.522	13709251.594
130	2108695.522	13709256.594
130	2108695.522	13709266.594
130	2108705.522	13709266.594
130	2108705.522	13709256.594
130	2108700.522	13709251.594
131	2115205.766	13711155.891
131	2115200.766	13711160.891
131	2115200.766	13711170.891

131	2115210.766	13711170.891
131	2115210.766	13711160.891
131	2115205.766	13711155.891
132	2086256.108	13710281.59
132	2086251.108	13710286.59
132	2086251.108	13710296.59
132	2086261.108	13710296.59
132	2086261.108	13710286.59
132	2086256.108	13710281.59
133	2082303.772	13709696.074
133	2082298.772	13709701.074
133	2082298.772	13709711.074
133	2082308.772	13709711.074
133	2082308.772	13709701.074
133	2082303.772	13709696.074
134	2123723.862	13713758.875
134	2123718.862	13713763.875
134	2123718.862	13713773.875
134	2123728.862	13713773.875
134	2123728.862	13713763.875
134	2123723.862	13713758.875
135	2128082.565	13707994.687
135	2128077.565	13707999.687
135	2128077.565	13708009.687
135	2128087.565	13708009.687
135	2128087.565	13707999.687
135	2128082.565	13707994.687
136	2096433.066	13704202.922
136	2096428.066	13704207.922
136	2096428.066	13704217.922
136	2096438.066	13704217.922
136	2096438.066	13704207.922
136	2096433.066	13704202.922
137	2097596.031	13704771.872
137	2097591.031	13704776.872
137	2097591.031	13704786.872
137	2097601.031	13704786.872
137	2097601.031	13704776.872
137	2097596.031	13704771.872
138	2074668.13	13703589.081
138	2074663.13	13703594.081
138	2074663.13	13703604.081
138	2074673.13	13703604.081
138	2074673.13	13703594.081
138	2074668.13	13703589.081
139	2076636.658	13706748.012
139	2076631.658	13706753.012
139	2076631.658	13706763.012
139	2076641.658	13706763.012
139	2076641.658	13706753.012
139	2076636.658	13706748.012
140	2072379.142	13700789.287
140	2072374.142	13700794.287
140	2072374.142	13700804.287
140	2072384.142	13700804.287
140	2072384.142	13700794.287
140	2072379.142	13700789.287
141	2064196.451	13698547.537
141	2064191.451	13698552.537
141	2064191.451	13698562.537
141	2064201.451	13698562.537
141	2064201.451	13698552.537
141	2064196.451	13698547.537

142	2042378.643	13702145.64
142	2042373.643	13702150.64
142	2042373.643	13702160.64
142	2042383.643	13702160.64
142	2042383.643	13702150.64
142	2042378.643	13702145.64
143	2041342.694	13697359.795
143	2041337.694	13697364.795
143	2041337.694	13697374.795
143	2041347.694	13697374.795
143	2041347.694	13697364.795
143	2041342.694	13697359.795
144	2047300.754	13698361.713
144	2047295.754	13698366.713
144	2047295.754	13698376.713
144	2047305.754	13698376.713
144	2047305.754	13698366.713
144	2047300.754	13698361.713
145	2047179.931	13703677.439
145	2047174.931	13703682.439
145	2047174.931	13703692.439
145	2047184.931	13703692.439
145	2047184.931	13703682.439
145	2047179.931	13703677.439
146	2047497.491	13693310.879
146	2047492.491	13693315.879
146	2047492.491	13693325.879
146	2047502.491	13693325.879
146	2047502.491	13693315.879
146	2047497.491	13693310.879
147	2051676.877	13696175.472
147	2051671.877	13696180.472
147	2051671.877	13696190.472
147	2051681.877	13696190.472
147	2051681.877	13696180.472
147	2051676.877	13696175.472
148	2123020.94	13704358.174
148	2123015.94	13704363.174
148	2123015.94	13704373.174
148	2123025.94	13704373.174
148	2123025.94	13704363.174
148	2123020.94	13704358.174
149	2132657.169	13704668.182
149	2132652.169	13704673.182
149	2132652.169	13704683.182
149	2132662.169	13704683.182
149	2132662.169	13704673.182
149	2132657.169	13704668.182
150	2081690.788	13699556.192
150	2081685.788	13699561.192
150	2081685.788	13699571.192
150	2081695.788	13699571.192
150	2081695.788	13699561.192
150	2081690.788	13699556.192
151	2115028.897	13704677.804
151	2115023.897	13704682.804
151	2115023.897	13704692.804
151	2115033.897	13704692.804
151	2115033.897	13704682.804
151	2115028.897	13704677.804
152	2118354.168	13702255.469
152	2118349.168	13702260.469
152	2118349.168	13702270.469

152	2118359.168	13702270.469
152	2118359.168	13702260.469
152	2118354.168	13702255.469
153	2049747.198	13690591.586
153	2049742.198	13690596.586
153	2049742.198	13690606.586
153	2049752.198	13690606.586
153	2049752.198	13690596.586
153	2049747.198	13690591.586
154-1	2075803.914	13701462.486
154-1	2075839.003	13701251.952
154-1	2075663.558	13701251.952
154-1	2075803.914	13701462.486
154-10	2076748.107	13696397.371
154-10	2076753.955	13696376.904
154-10	2076724.717	13696382.752
154-10	2076724.717	13696397.371
154-10	2076748.107	13696397.371
154-11	2073534.289	13696414.355
154-11	2073537.213	13696390.964
154-11	2073505.051	13696393.888
154-11	2073505.051	13696411.431
154-11	2073534.289	13696414.355
154-12	2073268.416	13697552.281
154-12	2073268.416	13697528.891
154-12	2073236.254	13697528.891
154-12	2073242.101	13697561.053
154-12	2073268.416	13697552.281
154-13	2074871.917	13697481.336
154-13	2074880.688	13697457.945
154-13	2074848.526	13697452.097
154-13	2074845.602	13697469.64
154-13	2074871.917	13697481.336
154-14	2074494.055	13695961.138
154-14	2074488.207	13695937.747
154-14	2074464.817	13695937.747
154-14	2074464.817	13695964.061
154-14	2074494.055	13695961.138
154-15	2075605.614	13695979.335
154-15	2075605.614	13695955.945
154-15	2075579.3	13695955.945
154-15	2075579.3	13695979.335
154-15	2075605.614	13695979.335
154-16	2074311.856	13695078.917
154-16	2074314.78	13695055.526
154-16	2074273.846	13695058.45
154-16	2074273.846	13695078.917
154-16	2074311.856	13695078.917
154-17	2078521.986	13695986.944
154-17	2078516.138	13695966.477
154-17	2078492.747	13695963.553
154-17	2078495.671	13695984.02
154-17	2078521.986	13695986.944
154-18	2075882.117	13694796.531
154-18	2075882.117	13694770.216
154-18	2075861.65	13694758.521
154-18	2075855.803	13694787.759
154-18	2075882.117	13694796.531
154-19	2078127.362	13694636.793
154-19	2078127.362	13694616.327
154-19	2078098.124	13694613.403
154-19	2078098.124	13694639.717
154-19	2078127.362	13694636.793

154-2	2072589.285	13700086.534
154-2	2072589.285	13700012.102
154-2	2072527.259	13700012.102
154-2	2072514.853	13700074.129
154-2	2072589.285	13700086.534
154-20	2077316.402	13693946.974
154-20	2077319.326	13693920.66
154-20	2077301.783	13693914.812
154-20	2077295.935	13693935.279
154-20	2077316.402	13693946.974
154-21	2079952.031	13694761.046
154-21	2079960.803	13694743.503
154-21	2079957.879	13694728.883
154-21	2079931.564	13694731.807
154-21	2079934.488	13694749.35
154-21	2079952.031	13694761.046
154-22	2075854.511	13693712.803
154-22	2075854.511	13693683.565
154-22	2075836.968	13693677.717
154-22	2075831.12	13693706.956
154-22	2075854.511	13693712.803
154-23	2079193.692	13694070.89
154-23	2079190.768	13694050.424
154-23	2079170.301	13694047.5
154-23	2079170.301	13694067.967
154-23	2079193.692	13694070.89
154-24	2076659.099	13693059.522
154-24	2076659.099	13693039.055
154-24	2076632.784	13693036.131
154-24	2076629.86	13693053.675
154-24	2076659.099	13693059.522
154-25	2080033.881	13693036.199
154-25	2080033.881	13693006.96
154-25	2080019.262	13693001.112
154-25	2080013.414	13693024.503
154-25	2080033.881	13693036.199
154-26	2081422.717	13693470.678
154-26	2081413.946	13693444.363
154-26	2081390.555	13693444.363
154-26	2081387.631	13693467.754
154-26	2081422.717	13693470.678
154-27	2081478.202	13692380.805
154-27	2081478.202	13692351.567
154-27	2081446.04	13692351.567
154-27	2081440.192	13692372.034
154-27	2081478.202	13692380.805
154-28	2082423.673	13693262.732
154-28	2082423.673	13693239.341
154-28	2082406.129	13693233.493
154-28	2082397.358	13693259.808
154-28	2082423.673	13693262.732
154-29	2078798.072	13693187.906
154-29	2078798.072	13693161.592
154-29	2078771.757	13693164.516
154-29	2078765.91	13693179.135
154-29	2078798.072	13693187.906
154-3	2074634.199	13700154.016
154-3	2074646.604	13700091.989
154-3	2074547.361	13700129.205
154-3	2074634.199	13700154.016
154-30	2078235.573	13692280.166
154-30	2078235.573	13692259.699
154-30	2078203.41	13692259.699

154-30	2078203.41	13692277.242
154-30	2078235.573	13692280.166
154-31	2080002.696	13691290.277
154-31	2079996.848	13691272.734
154-31	2079967.61	13691269.81
154-31	2079967.61	13691293.201
154-31	2080002.696	13691290.277
154-4	2073183.443	13698859.307
154-4	2073171.038	13698772.47
154-4	2073084.2	13698735.254
154-4	2073071.795	13698834.496
154-4	2073183.443	13698859.307
154-5	2077666.144	13698352.36
154-5	2077671.992	13698334.817
154-5	2077651.525	13698326.046
154-5	2077642.753	13698349.436
154-5	2077666.144	13698352.36
154-6	2079048.981	13698558.158
154-6	2079051.905	13698537.691
154-6	2079022.667	13698537.691
154-6	2079022.667	13698555.234
154-6	2079048.981	13698558.158
154-7	2077955.41	13699927.962
154-7	2077978.801	13699913.343
154-7	2077978.801	13699895.8
154-7	2077949.562	13699910.419
154-7	2077955.41	13699927.962
154-8	2076127.981	13698470.506
154-8	2076122.134	13698455.887
154-8	2076101.667	13698452.963
154-8	2076101.667	13698470.506
154-8	2076127.981	13698470.506
154-9	2078182.128	13697363.622
154-9	2078185.052	13697346.079
154-9	2078164.585	13697349.003
154-9	2078158.737	13697372.393
154-9	2078182.128	13697363.622
155	2055685.554	13697003.883
155	2055680.554	13697008.883
155	2055680.554	13697018.883
155	2055690.554	13697018.883
155	2055690.554	13697008.883
155	2055685.554	13697003.883
156	2063477.081	13691667.788
156	2063472.081	13691672.788
156	2063472.081	13691682.788
156	2063482.081	13691682.788
156	2063482.081	13691672.788
156	2063477.081	13691667.788
157	2107722.897	13695874.108
157	2107717.897	13695879.108
157	2107717.897	13695889.108
157	2107727.897	13695889.108
157	2107727.897	13695879.108
157	2107722.897	13695874.108
158	2110453.605	13699741.064
158	2110448.605	13699746.064
158	2110448.605	13699756.064
158	2110458.605	13699756.064
158	2110458.605	13699746.064
158	2110453.605	13699741.064
159	2041904.446	13691175.688
159	2041899.446	13691180.688

159	2041899.446	13691190.688
159	2041909.446	13691190.688
159	2041909.446	13691180.688
159	2041904.446	13691175.688
160	2145100.525	13696600.482
160	2145095.525	13696605.482
160	2145095.525	13696615.482
160	2145105.525	13696615.482
160	2145105.525	13696605.482
160	2145100.525	13696600.482
161	2150036.028	13702424.904
161	2150031.028	13702429.904
161	2150031.028	13702439.904
161	2150041.028	13702439.904
161	2150041.028	13702429.904
161	2150036.028	13702424.904
162	2132175.858	13696129.07
162	2132170.858	13696134.07
162	2132170.858	13696144.07
162	2132180.858	13696144.07
162	2132180.858	13696134.07
162	2132175.858	13696129.07
163	2133758.575	13693772.114
163	2133753.575	13693777.114
163	2133753.575	13693787.114
163	2133763.575	13693787.114
163	2133763.575	13693777.114
163	2133758.575	13693772.114
164	2114423.85	13691737.347
164	2114418.85	13691742.347
164	2114418.85	13691752.347
164	2114428.85	13691752.347
164	2114428.85	13691742.347
164	2114423.85	13691737.347
165	2117597.505	13692596.59
165	2117592.505	13692601.59
165	2117592.505	13692611.59
165	2117602.505	13692611.59
165	2117602.505	13692601.59
165	2117597.505	13692596.59
166	2149246.547	13689504.628
166	2149241.547	13689509.628
166	2149241.547	13689519.628
166	2149251.547	13689519.628
166	2149251.547	13689509.628
166	2149246.547	13689504.628
167	2153685.879	13695855.943
167	2153680.879	13695860.943
167	2153680.879	13695870.943
167	2153690.879	13695870.943
167	2153690.879	13695860.943
167	2153685.879	13695855.943
168	2058695.126	13686705.335
168	2058690.126	13686710.335
168	2058690.126	13686720.335
168	2058700.126	13686720.335
168	2058700.126	13686710.335
168	2058695.126	13686705.335
169-1	2071642.701	13695648.979
169-1	2071639.41	13695617.715
169-1	2071614.727	13695616.069
169-1	2071614.727	13695642.397
169-1	2071642.701	13695648.979

169-10	2070694.159	13691500.566
169-10	2070694.159	13691462.125
169-10	2070646.107	13691466.93
169-10	2070646.107	13691510.177
169-10	2070694.159	13691500.566
169-11	2073982.862	13692111.72
169-11	2073979.7	13692091.169
169-11	2073967.054	13692088.008
169-11	2073962.311	13692110.139
169-11	2073982.862	13692111.72
169-12	2074406.64	13692998.141
169-12	2074406.64	13692960.544
169-12	2074377.1	13692960.544
169-12	2074366.358	13692987.399
169-12	2074406.64	13692998.141
169-13	2075690.683	13690618.625
169-13	2075690.683	13690565.272
169-13	2075626.66	13690554.602
169-13	2075621.324	13690613.29
169-13	2075690.683	13690618.625
169-14	2072638.372	13691575.869
169-14	2072638.372	13691537.427
169-14	2072547.073	13691532.622
169-14	2072551.878	13691590.285
169-14	2072638.372	13691575.869
169-15	2074992.905	13690453.647
169-15	2074987.034	13690428.692
169-15	2074970.887	13690430.16
169-15	2074973.823	13690446.307
169-15	2074992.905	13690453.647
169-16	2071324.546	13690373.719
169-16	2071310.13	13690344.888
169-16	2071252.468	13690344.888
169-16	2071257.273	13690388.135
169-16	2071324.546	13690373.719
169-17	2065312.719	13691265.968
169-17	2065312.719	13691217.916
169-17	2065264.667	13691213.11
169-17	2065259.861	13691256.357
169-17	2065312.719	13691265.968
169-18	2070310.234	13688834.261
169-18	2070291.014	13688781.404
169-18	2070242.962	13688786.209
169-18	2070252.572	13688834.261
169-18	2070310.234	13688834.261
169-19	2069024.697	13689018.512
169-19	2069024.697	13688984.876
169-19	2068967.035	13688984.876
169-19	2068967.035	13689032.928
169-19	2069024.697	13689018.512
169-2	2065598.604	13694918.974
169-2	2065617.825	13694861.312
169-2	2065545.747	13694856.506
169-2	2065526.526	13694918.974
169-2	2065598.604	13694918.974
169-20	2072617.242	13689358.045
169-20	2072622.899	13689312.787
169-20	2072583.298	13689304.301
169-20	2072577.641	13689346.73
169-20	2072617.242	13689358.045
169-21	2067842.325	13688838.078
169-21	2067813.494	13688794.831
169-21	2067751.026	13688809.247

169-21	2067765.441	13688862.104
169-21	2067842.325	13688838.078
169-22	2077568.294	13690139.696
169-22	2077568.294	13690120.655
169-22	2077556.576	13690120.655
169-22	2077555.111	13690138.231
169-22	2077568.294	13690139.696
169-23	2076285.403	13689192.375
169-23	2076285.403	13689140.292
169-23	2076217.695	13689150.709
169-23	2076212.487	13689187.166
169-23	2076285.403	13689192.375
169-24	2066087.902	13688608.944
169-24	2066092.707	13688517.645
169-24	2066011.018	13688512.84
169-24	2066001.408	13688575.308
169-24	2066087.902	13688608.944
169-25	2077728.296	13687389.573
169-25	2077741.404	13687334.521
169-25	2077691.595	13687334.521
169-25	2077686.352	13687394.816
169-25	2077728.296	13687389.573
169-3	2065075.4	13693623.283
169-3	2065060.985	13693556.01
169-3	2064988.907	13693565.62
169-3	2064988.907	13693623.283
169-3	2065075.4	13693623.283
169-4	2071241.239	13693891.036
169-4	2071243.924	13693850.754
169-4	2071217.07	13693850.754
169-4	2071206.328	13693885.665
169-4	2071241.239	13693891.036
169-5	2066804.805	13694120.276
169-5	2066804.805	13694057.808
169-5	2066708.701	13694062.613
169-5	2066708.701	13694144.302
169-5	2066804.805	13694120.276
169-6	2068056.594	13693324.738
169-6	2068042.178	13693276.686
169-6	2067994.126	13693276.686
169-6	2068003.737	13693334.349
169-6	2068056.594	13693324.738
169-7	2068936.975	13693441.096
169-7	2068941.781	13693402.654
169-7	2068869.703	13693412.264
169-7	2068864.897	13693450.706
169-7	2068936.975	13693441.096
169-8	2069108.365	13691244.899
169-8	2069117.975	13691172.821
169-8	2069017.066	13691187.237
169-8	2069017.066	13691230.484
169-8	2069108.365	13691244.899
169-9	2067619.452	13692287.598
169-9	2067595.426	13692244.352
169-9	2067547.373	13692263.572
169-9	2067556.984	13692306.819
169-9	2067619.452	13692287.598
170	2138314.841	13693414.948
170	2138309.841	13693419.948
170	2138309.841	13693429.948
170	2138319.841	13693429.948
170	2138319.841	13693419.948
170	2138314.841	13693414.948

171	2141016.211	13692770.109
171	2141011.211	13692775.109
171	2141011.211	13692785.109
171	2141021.211	13692785.109
171	2141021.211	13692775.109
171	2141016.211	13692770.109
172	2096451.656	13696898.562
172	2096446.656	13696903.562
172	2096446.656	13696913.562
172	2096456.656	13696913.562
172	2096456.656	13696903.562
172	2096451.656	13696898.562
173	2101960.155	13696790.264
173	2101955.155	13696795.264
173	2101955.155	13696805.264
173	2101965.155	13696805.264
173	2101965.155	13696795.264
173	2101960.155	13696790.264
174	2106717.109	13691724.219
174	2106712.109	13691729.219
174	2106712.109	13691739.219
174	2106722.109	13691739.219
174	2106722.109	13691729.219
174	2106717.109	13691724.219
175	2084440.081	13690838.294
175	2084435.081	13690843.294
175	2084435.081	13690853.294
175	2084445.081	13690853.294
175	2084445.081	13690843.294
175	2084440.081	13690838.294
176	2088458.143	13696041.722
176	2088453.143	13696046.722
176	2088453.143	13696056.722
176	2088463.143	13696056.722
176	2088463.143	13696046.722
176	2088458.143	13696041.722
177-1	2073878.919	13688465.413
177-1	2073874.8	13688428.349
177-1	2073833.618	13688436.585
177-1	2073858.327	13688477.768
177-1	2073878.919	13688465.413
177-10	2072246.882	13686429.884
177-10	2072258.656	13686382.791
177-10	2072207.638	13686367.093
177-10	2072203.714	13686418.111
177-10	2072246.882	13686429.884
177-11	2071340.599	13685624.985
177-11	2071340.599	13685582.247
177-11	2071297.862	13685582.247
177-11	2071297.862	13685648.296
177-11	2071340.599	13685624.985
177-12	2070239.812	13685641.297
177-12	2070239.812	13685602.444
177-12	2070208.73	13685602.444
177-12	2070208.73	13685633.526
177-12	2070239.812	13685641.297
177-13	2068955.748	13685669.621
177-13	2068955.748	13685642.424
177-13	2068928.552	13685638.539
177-13	2068928.552	13685665.736
177-13	2068955.748	13685669.621
177-14	2066778.335	13685529.611
177-14	2066758.161	13685479.175

177-14	2066717.812	13685474.131
177-14	2066717.812	13685519.524
177-14	2066778.335	13685529.611
177-15	2067465.556	13686331.118
177-15	2067460.512	13686275.639
177-15	2067420.164	13686275.639
177-15	2067415.12	13686315.987
177-15	2067465.556	13686331.118
177-16	2070609.365	13684421.916
177-16	2070609.365	13684390.834
177-16	2070582.169	13684398.604
177-16	2070582.169	13684429.686
177-16	2070609.365	13684421.916
177-17	2067402.66	13685093.506
177-17	2067382.486	13685048.114
177-17	2067342.137	13685048.114
177-17	2067352.224	13685098.55
177-17	2067402.66	13685093.506
177-18	2066956.321	13684990.169
177-18	2066956.321	13684939.733
177-18	2066915.972	13684929.646
177-18	2066905.885	13684990.169
177-18	2066956.321	13684990.169
177-19	2065713.921	13685609.235
177-19	2065703.834	13685558.799
177-19	2065658.442	13685553.755
177-19	2065658.442	13685599.148
177-19	2065713.921	13685609.235
177-2	2075271.376	13688300.072
177-2	2075267.23	13688287.635
177-2	2075252.72	13688289.708
177-2	2075256.866	13688302.145
177-2	2075271.376	13688300.072
177-20	2067777.304	13685266.808
177-20	2067772.26	13685241.591
177-20	2067747.042	13685241.591
177-20	2067741.998	13685266.808
177-20	2067777.304	13685266.808
177-21	2065469.407	13683869.201
177-21	2065464.363	13683833.896
177-21	2065418.971	13683838.939
177-21	2065424.015	13683874.244
177-21	2065469.407	13683869.201
177-22	2066890.474	13684184.816
177-22	2066890.474	13684134.381
177-22	2066829.951	13684134.381
177-22	2066829.951	13684174.729
177-22	2066890.474	13684184.816
177-23	2067849.699	13684291.591
177-23	2067849.699	13684241.156
177-23	2067819.438	13684241.156
177-23	2067814.394	13684266.374
177-23	2067849.699	13684291.591
177-24	2068869.595	13683975.666
177-24	2068842.398	13683936.814
177-24	2068811.316	13683929.043
177-24	2068815.202	13683983.436
177-24	2068869.595	13683975.666
177-25	2065508.359	13682874.54
177-25	2065503.315	13682839.235
177-25	2065462.966	13682849.322
177-25	2065462.966	13682879.583
177-25	2065508.359	13682874.54

177-26	2066764.12	13682571.82
177-26	2066794.381	13682571.82
177-26	2066794.381	13682526.428
177-26	2066764.12	13682531.471
177-26	2066764.12	13682571.82
177-27	2063587.436	13683330.888
177-27	2063592.479	13683280.452
177-27	2063552.131	13683270.365
177-27	2063537	13683325.845
177-27	2063587.436	13683330.888
177-3	2071950.456	13687486.915
177-3	2071946.532	13687455.519
177-3	2071922.985	13687451.595
177-3	2071922.985	13687490.839
177-3	2071950.456	13687486.915
177-4	2074529.11	13687004.218
177-4	2074516.755	13686963.036
177-4	2074487.927	13686954.8
177-4	2074492.046	13687012.455
177-4	2074529.11	13687004.218
177-5	2073406.892	13687561.524
177-5	2073406.892	13687524.46
177-5	2073373.946	13687528.578
177-5	2073365.71	13687561.524
177-5	2073406.892	13687561.524
177-6	2076212.688	13687110.523
177-6	2076200.25	13687089.794
177-6	2076187.813	13687091.867
177-6	2076194.032	13687112.596
177-6	2076212.688	13687110.523
177-7	2076406.445	13687751.878
177-7	2076406.445	13687737.367
177-7	2076391.935	13687741.513
177-7	2076394.008	13687758.096
177-7	2076406.445	13687751.878
177-8	2076923.889	13686478.159
177-8	2076923.889	13686455.357
177-8	2076905.234	13686467.795
177-8	2076905.234	13686480.232
177-8	2076923.889	13686478.159
177-9	2070105.374	13686708.261
177-9	2070089.833	13686688.835
177-9	2070066.522	13686692.72
177-9	2070074.292	13686727.687
177-9	2070105.374	13686708.261
178	2103973.885	13688535.302
178	2103968.885	13688540.302
178	2103968.885	13688550.302
178	2103978.885	13688550.302
178	2103978.885	13688540.302
178	2103973.885	13688535.302
179	2049283.132	13684808.122
179	2049278.132	13684813.122
179	2049278.132	13684823.122
179	2049288.132	13684823.122
179	2049288.132	13684813.122
179	2049283.132	13684808.122
180-1	2080416.52	13689694.074
180-1	2080400.459	13689581.653
180-1	2080304.099	13689581.653
180-1	2080288.038	13689694.074
180-1	2080416.52	13689694.074
180-10	2079195.741	13686295.825

180-10	2079179.847	13686224.3
180-10	2079132.164	13686248.142
180-10	2079140.111	13686303.772
180-10	2079195.741	13686295.825
180-11	2078320.461	13685379.469
180-11	2078292.473	13685337.487
180-11	2078268.631	13685401.065
180-11	2078320.461	13685379.469
180-11	2078320.461	13685379.469
180-11	2078340.156	13685409.012
180-11	2078363.998	13685361.328
180-11	2078320.461	13685379.469
180-12	2079277.59	13685690.069
180-12	2079245.802	13685642.386
180-12	2079182.224	13685650.333
180-12	2079206.066	13685721.858
180-12	2079277.59	13685690.069
180-13	2076107.818	13686052.637
180-13	2076104.072	13686032.033
180-13	2076092.833	13686032.033
180-13	2076092.833	13686047.018
180-13	2076107.818	13686052.637
180-14	2076533.385	13686234.259
180-14	2076531.512	13686217.401
180-14	2076520.274	13686221.147
180-14	2076520.274	13686232.386
180-14	2076533.385	13686234.259
180-15	2075385.521	13685967.283
180-15	2075383.648	13685954.171
180-15	2075357.425	13685957.917
180-15	2075359.298	13685971.029
180-15	2075385.521	13685967.283
180-16	2076521.559	13685343.517
180-16	2076517.813	13685328.532
180-16	2076500.955	13685326.659
180-16	2076502.828	13685341.644
180-16	2076521.559	13685343.517
180-17	2077057.455	13685227.113
180-17	2077051.835	13685214.001
180-17	2077036.851	13685215.875
180-17	2077038.724	13685227.113
180-17	2077057.455	13685227.113
180-18	2075373.771	13685374.305
180-18	2075371.898	13685355.574
180-18	2075356.913	13685359.321
180-18	2075355.04	13685374.305
180-18	2075373.771	13685374.305
180-19	2077780.044	13685734.756
180-19	2077774.424	13685716.025
180-19	2077755.693	13685719.771
180-19	2077763.186	13685742.248
180-19	2077780.044	13685734.756
180-2	2081040.825	13689716.192
180-2	2080992.644	13689635.891
180-2	2080896.283	13689668.011
180-2	2080912.343	13689764.372
180-2	2081040.825	13689716.192
180-20	2078473.526	13685255.146
180-20	2078469.78	13685242.034
180-20	2078449.176	13685243.907
180-20	2078451.049	13685258.892
180-20	2078473.526	13685255.146
180-21	2078254.447	13685191.266

180-21	2078248.827	13685174.408
180-21	2078233.843	13685176.282
180-21	2078235.716	13685195.013
180-21	2078254.447	13685191.266
180-22	2074005.433	13685973.853
180-22	2073997.712	13685952.619
180-22	2073976.478	13685952.619
180-22	2073982.269	13685973.853
180-22	2074005.433	13685973.853
180-23	2073506.33	13685397.973
180-23	2073499.28	13685367.423
180-23	2073482.83	13685367.423
180-23	2073482.83	13685407.373
180-23	2073506.33	13685397.973
180-24	2075124.723	13685238.85
180-24	2075117.673	13685201.251
180-24	2075094.173	13685201.251
180-24	2075094.173	13685234.15
180-24	2075124.723	13685238.85
180-25	2076222.06	13685103.147
180-25	2076210.31	13685070.248
180-25	2076193.86	13685072.598
180-25	2076196.21	13685110.197
180-25	2076222.06	13685103.147
180-26	2076930.91	13684775.841
180-26	2076923.382	13684730.674
180-26	2076863.159	13684738.202
180-26	2076870.687	13684790.896
180-26	2076930.91	13684775.841
180-27	2073193.054	13684688.372
180-27	2073177.999	13684582.982
180-27	2073102.72	13684582.982
180-27	2073110.248	13684673.316
180-27	2073193.054	13684688.372
180-28	2075479.422	13684451.501
180-28	2075472.325	13684433.759
180-28	2075459.314	13684436.124
180-28	2075462.862	13684452.684
180-28	2075479.422	13684451.501
180-29	2078979.321	13684745.369
180-29	2078952.348	13684702.213
180-29	2078919.981	13684723.791
180-29	2078936.164	13684756.158
180-29	2078979.321	13684745.369
180-3	2079166.996	13689653.898
180-3	2079166.996	13689525.417
180-3	2079038.515	13689525.417
180-3	2079038.515	13689621.778
180-3	2079166.996	13689653.898
180-30	2078542.263	13684519.01
180-30	2078520.685	13684470.459
180-30	2078472.134	13684486.642
180-30	2078482.924	13684540.588
180-30	2078542.263	13684519.01
180-31	2079712.717	13684069.068
180-31	2079664.167	13684020.517
180-31	2079621.01	13684036.7
180-31	2079658.772	13684106.829
180-31	2079712.717	13684069.068
180-32	2079666.044	13685422.649
180-32	2079633.676	13685384.887
180-32	2079601.309	13685401.071
180-32	2079628.282	13685476.594

180-32	2079666.044	13685422.649
180-33	2079916.085	13683922.834
180-33	2079883.718	13683890.466
180-33	2079845.957	13683928.228
180-33	2079883.718	13683960.595
180-33	2079916.085	13683922.834
180-4	2079973.777	13688677.825
180-4	2079973.777	13688549.344
180-4	2079845.296	13688565.404
180-4	2079845.296	13688677.825
180-4	2079973.777	13688677.825
180-5	2078111.405	13686749.324
180-5	2078099.8	13686718.376
180-5	2078074.655	13686722.245
180-5	2078090.129	13686758.995
180-5	2078111.405	13686749.324
180-6	2079110.619	13687743.615
180-6	2079110.619	13687732.01
180-6	2079095.145	13687732.01
180-6	2079095.145	13687749.418
180-6	2079110.619	13687743.615
180-7	2078545.6	13686852.386
180-7	2078513.811	13686812.65
180-7	2078458.18	13686828.544
180-7	2078474.075	13686868.281
180-7	2078545.6	13686852.386
180-8	2079235.347	13687034.894
180-8	2079227.4	13686987.211
180-8	2079155.875	13686979.264
180-8	2079163.823	13687050.789
180-8	2079235.347	13687034.894
180-9	2078408.392	13685866.932
180-9	2078392.498	13685795.407
180-9	2078336.867	13685787.46
180-9	2078336.867	13685866.932
180-9	2078408.392	13685866.932
181	2151252.306	13686932.836
181	2151247.306	13686937.836
181	2151247.306	13686947.836
181	2151257.306	13686947.836
181	2151257.306	13686937.836
181	2151252.306	13686932.836
182	2054789.733	13681168.049
182	2054784.733	13681173.049
182	2054784.733	13681183.049
182	2054794.733	13681183.049
182	2054794.733	13681173.049
182	2054789.733	13681168.049
183	2078659.668	13682708.559
183	2078654.668	13682713.559
183	2078654.668	13682723.559
183	2078664.668	13682723.559
183	2078664.668	13682713.559
183	2078659.668	13682708.559
184-1	2080736.21	13687298.954
184-1	2080718.815	13687255.464
184-1	2080649.231	13687290.256
184-1	2080692.721	13687342.444
184-1	2080736.21	13687298.954
184-10	2081902.635	13684494.712
184-10	2081886.013	13684469.779
184-10	2081848.614	13684482.245
184-10	2081856.925	13684515.489

184-10	2081902.635	13684494.712
184-11	2083126.032	13684668.111
184-11	2083109.41	13684639.022
184-11	2083080.322	13684651.489
184-11	2083088.633	13684676.422
184-11	2083126.032	13684668.111
184-12	2085088.115	13684517.759
184-12	2085078.788	13684493.508
184-12	2085067.595	13684495.373
184-12	2085069.461	13684521.49
184-12	2085088.115	13684517.759
184-13	2080994.69	13682533.857
184-13	2080985.362	13682522.664
184-13	2080972.304	13682522.664
184-13	2080977.901	13682541.319
184-13	2080994.69	13682533.857
184-14	2081828.345	13683240.693
184-14	2081813.421	13683223.904
184-14	2081802.229	13683225.77
184-14	2081805.96	13683251.886
184-14	2081828.345	13683240.693
184-15	2082722.143	13683122.485
184-15	2082714.681	13683101.965
184-15	2082699.757	13683105.696
184-15	2082703.488	13683128.082
184-15	2082722.143	13683122.485
184-16	2083562.898	13683187.788
184-16	2083551.706	13683169.134
184-16	2083538.647	13683176.596
184-16	2083546.109	13683191.519
184-16	2083562.898	13683187.788
184-17	2084159.906	13682786.159
184-17	2084154.974	13682756.57
184-17	2084132.782	13682761.501
184-17	2084135.248	13682783.693
184-17	2084159.906	13682786.159
184-18	2081781.506	13682342.132
184-18	2081795.882	13682308.589
184-18	2081747.963	13682294.214
184-18	2081743.171	13682327.757
184-18	2081781.506	13682342.132
184-19	2086212.042	13682597.281
184-19	2086205.266	13682582.034
184-19	2086184.937	13682588.811
184-19	2086186.631	13682602.364
184-19	2086212.042	13682597.281
184-2	2081486.356	13687943.904
184-2	2081442.866	13687874.32
184-2	2081381.98	13687891.716
184-2	2081399.376	13687961.3
184-2	2081486.356	13687943.904
184-20	2085297.878	13682707.052
184-20	2085289.408	13682695.193
184-20	2085279.243	13682700.276
184-20	2085284.325	13682713.829
184-20	2085297.878	13682707.052
184-21	2085776.289	13681615.725
184-21	2085767.819	13681605.561
184-21	2085744.101	13681614.031
184-21	2085757.654	13681629.278
184-21	2085776.289	13681615.725
184-22	2082450.61	13681389.465
184-22	2082442.14	13681377.606

184-22	2082425.199	13681387.771
184-22	2082430.281	13681401.324
184-22	2082450.61	13681389.465
184-23	2083348.607	13681694.755
184-23	2083341.83	13681686.285
184-23	2083329.971	13681694.755
184-23	2083336.748	13681704.92
184-23	2083348.607	13681694.755
184-24	2084358.286	13681574.255
184-24	2084344.733	13681565.785
184-24	2084336.262	13681574.255
184-24	2084341.345	13681584.42
184-24	2084358.286	13681574.255
184-25	2080546.564	13682206.881
184-25	2080541.027	13682173.659
184-25	2080502.268	13682173.659
184-25	2080496.731	13682223.492
184-25	2080546.564	13682206.881
184-26	2081810.579	13681129.001
184-26	2081788.485	13681094.282
184-26	2081750.61	13681119.532
184-26	2081775.86	13681147.939
184-26	2081810.579	13681129.001
184-27	2080689.075	13680440.969
184-27	2080689.075	13680399.937
184-27	2080663.825	13680390.468
184-27	2080648.043	13680431.5
184-27	2080689.075	13680440.969
184-28	2081572.754	13680266.639
184-28	2081572.754	13680249.163
184-28	2081553.689	13680253.929
184-28	2081553.689	13680266.639
184-28	2081572.754	13680266.639
184-29	2082931.249	13680339.006
184-29	2082929.66	13680324.707
184-29	2082916.951	13680327.885
184-29	2082916.951	13680337.417
184-29	2082931.249	13680339.006
184-3	2081245.732	13686841.192
184-3	2081228.336	13686797.702
184-3	2081141.357	13686823.796
184-3	2081176.149	13686884.682
184-3	2081245.732	13686841.192
184-30	2082044.791	13679817.968
184-30	2082043.202	13679805.258
184-30	2082028.904	13679803.669
184-30	2082030.493	13679824.323
184-30	2082044.791	13679817.968
184-31	2080684.525	13679324.55
184-31	2080660.373	13679281.075
184-31	2080607.237	13679290.736
184-31	2080616.898	13679343.872
184-31	2080684.525	13679324.55
184-32	2081321.239	13679138.324
184-32	2081282.595	13679090.019
184-32	2081224.629	13679085.188
184-32	2081258.442	13679152.815
184-32	2081321.239	13679138.324
184-33	2082616.956	13678831.799
184-33	2082587.973	13678788.325
184-33	2082563.821	13678807.647
184-33	2082578.312	13678846.291
184-33	2082616.956	13678831.799

184-34	2080998.748	13678337.516
184-34	2080960.104	13678284.381
184-34	2080892.477	13678313.364
184-34	2080931.121	13678342.347
184-34	2080998.748	13678337.516
184-4	2080692.483	13686266.722
184-4	2080648.994	13686223.232
184-4	2080579.41	13686223.232
184-4	2080605.504	13686310.212
184-4	2080692.483	13686266.722
184-5	2081873.657	13685953.474
184-5	2081786.677	13685901.286
184-5	2081743.187	13685918.682
184-5	2081786.677	13685979.568
184-5	2081873.657	13685953.474
184-6	2082188.07	13686529.884
184-6	2082144.58	13686495.092
184-6	2082066.298	13686495.092
184-6	2082118.486	13686564.676
184-6	2082188.07	13686529.884
184-7	2080815.426	13684700.169
184-7	2080823.737	13684675.237
184-7	2080786.338	13684675.237
184-7	2080782.182	13684704.325
184-7	2080815.426	13684700.169
184-8	2081012.329	13683482.411
184-8	2080999.862	13683445.012
184-8	2080970.774	13683449.168
184-8	2080962.463	13683486.567
184-8	2081012.329	13683482.411
184-9	2081329.198	13683601.304
184-9	2081316.731	13683563.905
184-9	2081287.643	13683568.06
184-9	2081287.643	13683597.149
184-9	2081329.198	13683601.304
185	2085553.94	13685631.624
185	2085548.94	13685636.624
185	2085548.94	13685646.624
185	2085558.94	13685646.624
185	2085558.94	13685636.624
185	2085553.94	13685631.624
186	2070711.525	13681454.293
186	2070706.525	13681459.293
186	2070706.525	13681469.293
186	2070716.525	13681469.293
186	2070716.525	13681459.293
186	2070711.525	13681454.293
187	2151068.646	13679925.794
187	2151063.646	13679930.794
187	2151063.646	13679940.794
187	2151073.646	13679940.794
187	2151073.646	13679930.794
187	2151068.646	13679925.794
188	2065878.951	13677650.666
188	2065873.951	13677655.666
188	2065873.951	13677665.666
188	2065883.951	13677665.666
188	2065883.951	13677655.666
188	2065878.951	13677650.666
189	2083713.333	13674203.066
189	2083708.333	13674208.066
189	2083708.333	13674218.066
189	2083718.333	13674218.066

189	2083718.333	13674208.066
189	2083713.333	13674203.066
190	2084809.833	13678911.765
190	2084804.833	13678916.765
190	2084804.833	13678926.765
190	2084814.833	13678926.765
190	2084814.833	13678916.765
190	2084809.833	13678911.765
191	2067630.544	13673590.258
191	2067625.544	13673595.258
191	2067625.544	13673605.258
191	2067635.544	13673605.258
191	2067635.544	13673595.258
191	2067630.544	13673590.258
192	2132413.657	13682644.993
192	2132408.657	13682649.993
192	2132408.657	13682659.993
192	2132418.657	13682659.993
192	2132418.657	13682649.993
192	2132413.657	13682644.993
193	2138078.258	13682728.564
193	2138073.258	13682733.564
193	2138073.258	13682743.564
193	2138083.258	13682743.564
193	2138083.258	13682733.564
193	2138078.258	13682728.564
194	2130252.425	13688424.141
194	2130247.425	13688429.141
194	2130247.425	13688439.141
194	2130257.425	13688439.141
194	2130257.425	13688429.141
194	2130252.425	13688424.141
195	2125326.71	13688365.32
195	2125321.71	13688370.32
195	2125321.71	13688380.32
195	2125331.71	13688380.32
195	2125331.71	13688370.32
195	2125326.71	13688365.32
196	2119791.993	13684655.844
196	2119786.993	13684660.844
196	2119786.993	13684670.844
196	2119796.993	13684670.844
196	2119796.993	13684660.844
196	2119791.993	13684655.844
197	2121769.938	13683952.284
197	2121764.938	13683957.284
197	2121764.938	13683967.284
197	2121774.938	13683967.284
197	2121774.938	13683957.284
197	2121769.938	13683952.284
198	2131641.774	13673246.13
198	2131636.774	13673251.13
198	2131636.774	13673261.13
198	2131646.774	13673261.13
198	2131646.774	13673251.13
198	2131641.774	13673246.13
199	2141789.462	13679099.083
199	2141784.462	13679104.083
199	2141784.462	13679114.083
199	2141794.462	13679114.083
199	2141794.462	13679104.083
199	2141789.462	13679099.083
200	2130287.566	13672281.762

200	2130282.566	13672286.762
200	2130282.566	13672296.762
200	2130292.566	13672296.762
200	2130292.566	13672286.762
200	2130287.566	13672281.762
201	2133266.496	13670007.05
201	2133261.496	13670012.05
201	2133261.496	13670022.05
201	2133271.496	13670022.05
201	2133271.496	13670012.05
201	2133266.496	13670007.05
202	2074531.437	13673310.432
202	2074526.437	13673315.432
202	2074526.437	13673325.432
202	2074536.437	13673325.432
202	2074536.437	13673315.432
202	2074531.437	13673310.432
203	2131520.38	13669668.519
203	2131515.38	13669673.519
203	2131515.38	13669683.519
203	2131525.38	13669683.519
203	2131525.38	13669673.519
203	2131520.38	13669668.519
204	2107233.957	13675603.656
204	2107228.957	13675608.656
204	2107228.957	13675618.656
204	2107238.957	13675618.656
204	2107238.957	13675608.656
204	2107233.957	13675603.656
205	2111965.644	13675766.742
205	2111960.644	13675771.742
205	2111960.644	13675781.742
205	2111970.644	13675781.742
205	2111970.644	13675771.742
205	2111965.644	13675766.742
206	2116682.662	13673180.127
206	2116677.662	13673185.127
206	2116677.662	13673195.127
206	2116687.662	13673195.127
206	2116687.662	13673185.127
206	2116682.662	13673180.127
207	2115033.516	13667645.09
207	2115028.516	13667650.09
207	2115028.516	13667660.09
207	2115038.516	13667660.09
207	2115038.516	13667650.09
207	2115033.516	13667645.09
208	2118481.049	13667548.75
208	2118476.049	13667553.75
208	2118476.049	13667563.75
208	2118486.049	13667563.75
208	2118486.049	13667553.75
208	2118481.049	13667548.75
209	2116755.525	13681114.739
209	2116750.525	13681119.739
209	2116750.525	13681129.739
209	2116760.525	13681129.739
209	2116760.525	13681119.739
209	2116755.525	13681114.739
210	2123996.408	13671063.983
210	2123991.408	13671068.983
210	2123991.408	13671078.983
210	2124001.408	13671078.983

210	2124001.408	13671068.983
210	2123996.408	13671063.983
211	2126221.221	13673490.812
211	2126216.221	13673495.812
211	2126216.221	13673505.812
211	2126226.221	13673505.812
211	2126226.221	13673495.812
211	2126221.221	13673490.812
212	2128864.869	13668046.029
212	2128859.869	13668051.029
212	2128859.869	13668061.029
212	2128869.869	13668061.029
212	2128869.869	13668051.029
212	2128864.869	13668046.029
215	2075845.885	13666029.813
215	2075840.885	13666034.813
215	2075840.885	13666044.813
215	2075850.885	13666044.813
215	2075850.885	13666034.813
215	2075845.885	13666029.813
216	2108594.229	13666844.735
216	2108589.229	13666849.735
216	2108589.229	13666859.735
216	2108599.229	13666859.735
216	2108599.229	13666849.735
216	2108594.229	13666844.735
217	2119929.534	13665103.674
217	2119924.534	13665108.674
217	2119924.534	13665118.674
217	2119934.534	13665118.674
217	2119934.534	13665108.674
217	2119929.534	13665103.674
218	2082900.744	13663364.885
218	2082895.744	13663369.885
218	2082895.744	13663379.885
218	2082905.744	13663379.885
218	2082905.744	13663369.885
218	2082900.744	13663364.885
219	2090996.217	13671398.498
219	2090991.217	13671403.498
219	2090991.217	13671413.498
219	2091001.217	13671413.498
219	2091001.217	13671403.498
219	2090996.217	13671398.498
220	2086189.612	13662115.107
220	2086184.612	13662120.107
220	2086184.612	13662130.107
220	2086194.612	13662130.107
220	2086194.612	13662120.107
220	2086189.612	13662115.107
221	2094471.202	13661118.433
221	2094466.202	13661123.433
221	2094466.202	13661133.433
221	2094476.202	13661133.433
221	2094476.202	13661123.433
221	2094471.202	13661118.433
222	2060940.101	13668229.457
222	2060935.101	13668234.457
222	2060935.101	13668244.457
222	2060945.101	13668244.457
222	2060945.101	13668234.457
222	2060940.101	13668229.457
225	2103068.396	13671487.466

225	2103063.396	13671492.466
225	2103063.396	13671502.466
225	2103073.396	13671502.466
225	2103073.396	13671492.466
225	2103068.396	13671487.466
226	2097827.407	13676823.266
226	2097822.407	13676828.266
226	2097822.407	13676838.266
226	2097832.407	13676838.266
226	2097832.407	13676828.266
226	2097827.407	13676823.266
227	2106153.47	13657280.485
227	2106148.47	13657285.485
227	2106148.47	13657295.485
227	2106158.47	13657295.485
227	2106158.47	13657285.485
227	2106153.47	13657280.485
228	2099430.257	13656131.221
228	2099425.257	13656136.221
228	2099425.257	13656146.221
228	2099435.257	13656146.221
228	2099435.257	13656136.221
228	2099430.257	13656131.221
229	2071588.925	13661414.4
229	2071583.925	13661419.4
229	2071583.925	13661429.4
229	2071593.925	13661429.4
229	2071593.925	13661419.4
229	2071588.925	13661414.4
230	2058668.409	13661252.978
230	2058663.409	13661257.978
230	2058663.409	13661267.978
230	2058673.409	13661267.978
230	2058673.409	13661257.978
230	2058668.409	13661252.978
231	2107089.577	13656762.719
231	2107084.577	13656767.719
231	2107084.577	13656777.719
231	2107094.577	13656777.719
231	2107094.577	13656767.719
231	2107089.577	13656762.719
232	2084604.648	13655370.076
232	2084599.648	13655375.076
232	2084599.648	13655385.076
232	2084609.648	13655385.076
232	2084609.648	13655375.076
232	2084604.648	13655370.076
233	2144926.131	13665329.884
233	2144921.131	13665334.884
233	2144921.131	13665344.884
233	2144931.131	13665344.884
233	2144931.131	13665334.884
233	2144926.131	13665329.884
234	2101788.218	13651338.411
234	2101783.218	13651343.411
234	2101783.218	13651353.411
234	2101793.218	13651353.411
234	2101793.218	13651343.411
234	2101788.218	13651338.411
235	2074769.342	13655213.107
235	2074764.342	13655218.107
235	2074764.342	13655228.107
235	2074774.342	13655228.107

235	2074774.342	13655218.107
235	2074769.342	13655213.107
236	2140158.893	13649558.536
236	2140153.893	13649563.536
236	2140153.893	13649573.536
236	2140163.893	13649573.536
236	2140163.893	13649563.536
236	2140158.893	13649558.536
237	2133209.508	13663102.583
237	2133204.508	13663107.583
237	2133204.508	13663117.583
237	2133214.508	13663117.583
237	2133214.508	13663107.583
237	2133209.508	13663102.583
238	2136230.098	13660199.021
238	2136225.098	13660204.021
238	2136225.098	13660214.021
238	2136235.098	13660214.021
238	2136235.098	13660204.021
238	2136230.098	13660199.021
239	2116283.149	13658862.803
239	2116278.149	13658867.803
239	2116278.149	13658877.803
239	2116288.149	13658877.803
239	2116288.149	13658867.803
239	2116283.149	13658862.803
240	2108256.795	13652024.64
240	2108251.795	13652029.64
240	2108251.795	13652039.64
240	2108261.795	13652039.64
240	2108261.795	13652029.64
240	2108256.795	13652024.64
241	2109047.562	13646867.526
241	2109042.562	13646872.526
241	2109042.562	13646882.526
241	2109052.562	13646882.526
241	2109052.562	13646872.526
241	2109047.562	13646867.526
242	2131778.908	13651110.282
242	2131773.908	13651115.282
242	2131773.908	13651125.282
242	2131783.908	13651125.282
242	2131783.908	13651115.282
242	2131778.908	13651110.282
243	2122106.218	13652497.383
243	2122101.218	13652502.383
243	2122101.218	13652512.383
243	2122111.218	13652512.383
243	2122111.218	13652502.383
243	2122106.218	13652497.383
244	2122927.091	13662013.488
244	2122922.091	13662018.488
244	2122922.091	13662028.488
244	2122932.091	13662028.488
244	2122932.091	13662018.488
244	2122927.091	13662013.488
245	2128004.036	13659514.28
245	2127999.036	13659519.28
245	2127999.036	13659529.28
245	2128009.036	13659529.28
245	2128009.036	13659519.28
245	2128004.036	13659514.28
248	2111454.669	13656866.05

248	2111449.669	13656871.05
248	2111449.669	13656881.05
248	2111459.669	13656881.05
248	2111459.669	13656871.05
248	2111454.669	13656866.05
249	2132894.869	13648522.111
249	2132889.869	13648527.111
249	2132889.869	13648537.111
249	2132899.869	13648537.111
249	2132899.869	13648527.111
249	2132894.869	13648522.111
250	2135670.525	13650593.422
250	2135665.525	13650598.422
250	2135665.525	13650608.422
250	2135675.525	13650608.422
250	2135675.525	13650598.422
250	2135670.525	13650593.422
255	2136829.677	13646859.572
255	2136824.677	13646864.572
255	2136824.677	13646874.572
255	2136834.677	13646874.572
255	2136834.677	13646864.572
255	2136829.677	13646859.572
256	2130655.993	13647484.793
256	2130650.993	13647489.793
256	2130650.993	13647499.793
256	2130660.993	13647499.793
256	2130660.993	13647489.793
256	2130655.993	13647484.793
257	2138269.045	13643608.111
257	2138264.045	13643613.111
257	2138264.045	13643623.111
257	2138274.045	13643623.111
257	2138274.045	13643613.111
257	2138269.045	13643608.111
258	2125507.875	13645146.136
258	2125502.875	13645151.136
258	2125502.875	13645161.136
258	2125512.875	13645161.136
258	2125512.875	13645151.136
258	2125507.875	13645146.136
262	2148231.638	13626784.056
262	2148226.638	13626789.056
262	2148226.638	13626799.056
262	2148236.638	13626799.056
262	2148236.638	13626789.056
262	2148231.638	13626784.056
35	2139803.27	13765907.208
35	2139798.27	13765912.208
35	2139798.27	13765922.208
35	2139808.27	13765922.208
35	2139808.27	13765912.208
35	2139803.27	13765907.208
36	2144550.981	13759718.823
36	2144545.981	13759723.823
36	2144545.981	13759733.823
36	2144555.981	13759733.823
36	2144555.981	13759723.823
36	2144550.981	13759718.823
49	2111414.653	13754069.303
49	2111409.653	13754074.303
49	2111409.653	13754084.303
49	2111419.653	13754084.303

49	2111419.653	13754074.303
49	2111414.653	13754069.303
50	2117307.603	13755795.488
50	2117302.603	13755800.488
50	2117302.603	13755810.488
50	2117312.603	13755810.488
50	2117312.603	13755800.488
50	2117307.603	13755795.488
51	2113014.031	13743709.135
51	2113009.031	13743714.135
51	2113009.031	13743724.135
51	2113019.031	13743724.135
51	2113019.031	13743714.135
51	2113014.031	13743709.135
52	2120583.69	13750562.269
52	2120578.69	13750567.269
52	2120578.69	13750577.269
52	2120588.69	13750577.269
52	2120588.69	13750567.269
52	2120583.69	13750562.269
53	2134512.963	13750903.293
53	2134507.963	13750908.293
53	2134507.963	13750918.293
53	2134517.963	13750918.293
53	2134517.963	13750908.293
53	2134512.963	13750903.293
54	2140962.798	13747207.801
54	2140957.798	13747212.801
54	2140957.798	13747222.801
54	2140967.798	13747222.801
54	2140967.798	13747212.801
54	2140962.798	13747207.801
58	2109906.619	13745738.321
58	2109901.619	13745743.321
58	2109901.619	13745753.321
58	2109911.619	13745753.321
58	2109911.619	13745743.321
58	2109906.619	13745738.321
59	2113166.985	13740170.42
59	2113161.985	13740175.42
59	2113161.985	13740185.42
59	2113171.985	13740185.42
59	2113171.985	13740175.42
59	2113166.985	13740170.42
67	2105018.94	13743194.523
67	2105013.94	13743199.523
67	2105013.94	13743209.523
67	2105023.94	13743209.523
67	2105023.94	13743199.523
67	2105018.94	13743194.523
68	2129307.181	13753715.12
68	2129302.181	13753720.12
68	2129302.181	13753730.12
68	2129312.181	13753730.12
68	2129312.181	13753720.12
68	2129307.181	13753715.12
69	2131809.847	13738277.807
69	2131804.847	13738282.807
69	2131804.847	13738292.807
69	2131814.847	13738292.807
69	2131814.847	13738282.807
69	2131809.847	13738277.807
70	2103267.751	13738167.88

70	2103262.751	13738172.88
70	2103262.751	13738182.88
70	2103272.751	13738182.88
70	2103272.751	13738172.88
70	2103267.751	13738167.88
75	2040612.102	13733051.634
75	2040607.102	13733056.634
75	2040607.102	13733066.634
75	2040617.102	13733066.634
75	2040617.102	13733056.634
75	2040612.102	13733051.634
76	2068614.466	13729059.793
76	2068609.466	13729064.793
76	2068609.466	13729074.793
76	2068619.466	13729074.793
76	2068619.466	13729064.793
76	2068614.466	13729059.793
77	2064277.814	13734869.286
77	2064272.814	13734874.286
77	2064272.814	13734884.286
77	2064282.814	13734884.286
77	2064282.814	13734874.286
77	2064277.814	13734869.286
78	2115337.318	13735681.874
78	2115332.318	13735686.874
78	2115332.318	13735696.874
78	2115342.318	13735696.874
78	2115342.318	13735686.874
78	2115337.318	13735681.874
79	2119795.305	13737318.677
79	2119790.305	13737323.677
79	2119790.305	13737333.677
79	2119800.305	13737333.677
79	2119800.305	13737323.677
79	2119795.305	13737318.677
80	2143096.796	13736418.773
80	2143091.796	13736423.773
80	2143091.796	13736433.773
80	2143101.796	13736433.773
80	2143101.796	13736423.773
80	2143096.796	13736418.773
81	2143656.267	13727667.93
81	2143651.267	13727672.93
81	2143651.267	13727682.93
81	2143661.267	13727682.93
81	2143661.267	13727672.93
81	2143656.267	13727667.93
82	2052719.962	13733330.404
82	2052714.962	13733335.404
82	2052714.962	13733345.404
82	2052724.962	13733345.404
82	2052724.962	13733335.404
82	2052719.962	13733330.404
83	2047204.722	13725503.613
83	2047199.722	13725508.613
83	2047199.722	13725518.613
83	2047209.722	13725518.613
83	2047209.722	13725508.613
83	2047204.722	13725503.613
84	2077641.893	13731165.363
84	2077636.893	13731170.363
84	2077636.893	13731180.363
84	2077646.893	13731180.363

84	2077646.893	13731170.363
84	2077641.893	13731165.363
85	2060780.795	13728791.291
85	2060775.795	13728796.291
85	2060775.795	13728806.291
85	2060785.795	13728806.291
85	2060785.795	13728796.291
85	2060780.795	13728791.291
86	2075455.365	13726623.191
86	2075450.365	13726628.191
86	2075450.365	13726638.191
86	2075460.365	13726638.191
86	2075460.365	13726628.191
86	2075455.365	13726623.191
87	2084973.521	13723071.774
87	2084968.521	13723076.774
87	2084968.521	13723086.774
87	2084978.521	13723086.774
87	2084978.521	13723076.774
87	2084973.521	13723071.774
88	2077482.192	13722007.766
88	2077477.192	13722012.766
88	2077477.192	13722022.766
88	2077487.192	13722022.766
88	2077487.192	13722012.766
88	2077482.192	13722007.766
89	2053730.777	13723162.237
89	2053725.777	13723167.237
89	2053725.777	13723177.237
89	2053735.777	13723177.237
89	2053735.777	13723167.237
89	2053730.777	13723162.237
90	2059954.157	13721994.412
90	2059949.157	13721999.412
90	2059949.157	13722009.412
90	2059959.157	13722009.412
90	2059959.157	13721999.412
90	2059954.157	13721994.412
91	2059959.24	13719971.142
91	2059954.24	13719976.142
91	2059954.24	13719986.142
91	2059964.24	13719986.142
91	2059964.24	13719976.142
91	2059959.24	13719971.142
92	2121459.121	13731859.225
92	2121454.121	13731864.225
92	2121454.121	13731874.225
92	2121464.121	13731874.225
92	2121464.121	13731864.225
92	2121459.121	13731859.225
93	2124077.275	13729967.55
93	2124072.275	13729972.55
93	2124072.275	13729982.55
93	2124082.275	13729982.55
93	2124082.275	13729972.55
93	2124077.275	13729967.55
94	2039831.977	13721052.532
94	2039826.977	13721057.532
94	2039826.977	13721067.532
94	2039836.977	13721067.532
94	2039836.977	13721057.532
94	2039831.977	13721052.532
95	2111516.288	13730987.02

95	2111511.288	13730992.02
95	2111511.288	13731002.02
95	2111521.288	13731002.02
95	2111521.288	13730992.02
95	2111516.288	13730987.02
96	2104864.829	13728426.489
96	2104859.829	13728431.489
96	2104859.829	13728441.489
96	2104869.829	13728441.489
96	2104869.829	13728431.489
96	2104864.829	13728426.489
97	2116397.631	13715327.532
97	2116392.631	13715332.532
97	2116392.631	13715342.532
97	2116402.631	13715342.532
97	2116402.631	13715332.532
97	2116397.631	13715327.532
98	2111324.684	13715102.53
98	2111319.684	13715107.53
98	2111319.684	13715117.53
98	2111329.684	13715117.53
98	2111329.684	13715107.53
98	2111324.684	13715102.53
99	2062034.471	13719256.067
99	2062029.471	13719261.067
99	2062029.471	13719271.067
99	2062039.471	13719271.067
99	2062039.471	13719261.067
99	2062034.471	13719256.067

[SYMBOLS]

;; Gage	X-Coord	Y-Coord
;-----		