

The Devonian West Falls Formation, implications of sedimentation controlled by preexisting structures, West Virginia.

by

Casey Smith

December 2012

Director of Thesis: Dr. Donald Neal

Major Department: Department of Geological Sciences

The Devonian (Frasnian) aged West Falls Formation in West Virginia contains gamma-ray signatures that have been interpreted to indicate sedimentation within a foreland (foredeep) basin. The West Falls Formation includes the Angola Member, and the underlying Rhinestreet Member. The Angola Member is an organic-poor, silty facies that ranges in thickness from 15 to 60 meters.

The Rhinestreet Member gamma-ray signatures are indicative of an organic-rich shale facies and are easily recognized throughout the basin in West Virginia. One- to three- meter(s) thick organic-rich units interbedded with organic-poor siltstone facies characterize the top of the member. A continuous 12 to 18-meter thick sequence in the middle of the member occurs across the entire western geographic region of West Virginia. Organic-rich beds coupled with intertonguing organic-poor units and/or siltstone occur in the lower part of the member and increase in thickness towards the paleo-geographic foredeep and Central West Virginia Arch.

Multiple orogenic periods have shaped the Appalachian Foreland Basin, and the successive depositional patterns of Devonian strata are related to underlying basement structures formed during earlier orogenies. The Rhinestreet Member of the West Falls Formation in West Virginia contains gamma signatures that spatially coincide with the Central West Virginia Arch

blocks created during the Ordovician, and later reactivated in the Acadian Orogeny. Past research has suggested that the Rome Trough provided the necessary accommodation space for Devonian organic-rich shales. However, this study shows that there is closer spatial relationship between organic-rich shales and the Central West Virginia Arch blocks, as opposed to the Rome Trough.

The Devonian West Falls Formation, implications of sedimentation controlled by preexisting
structures, West Virginia.

A Thesis
Presented To
the Faculty of the Department of Geological Sciences
East Carolina University

In Partial Fulfillment
of the Requirements for the Degree
Master of Science in Geology

By
Casey Smith

© COPYRIGHT
Casey Smith 2012
All Rights Reserved

Approval Sheet

This thesis is submitted in partial fulfillment of the
Requirements for the degree of
Master of Science
December 2012

Academic Committee Members

Donald W. Neal
Advisor

David J. Mallinson

Eric Horsman

Katharine L. Avary

Stephen J. Culver
Chair of the Department of Geological Sciences

Paul J. Gemperline
Dean of the Graduate School

Acknowledgements

I am most grateful for the guidance and cooperation of my thesis advisor, Donald Neal. My other committee members: David Mallinson, Eric Horsman, and Katharine Avary; thank you so much for your direction and making this Master's thesis possible. I am also appreciative for the cooperation of the WV GIS Technical Center, Dept. of Geology and Geography (WVU) for providing the essential GIS data of West Virginia. Also a special thanks goes to the West Virginia Geological and Economic Survey for providing the necessary pipeline data for this study. Finally, I thank my friends and family, without your support this dream would have never been possible.

TABLE OF CONTENTS

ACKNOWLEDGEMENTS	iv
LIST OF FIGURES	vii
Chapter 1 Introduction and Background	
1 INTRODUCTION AND BACKGROUND	1
1.1 Introduction	1
1.2 Background	4
1.2.1 Overview	4
1.2.2 Tectonics	6
1.2.3 Depositional setting during the Devonian Period	9
1.2.4 Stratigraphy	10
1.2.5 Java Formation (Upper Devonian)	10
1.2.6 West Falls Formation (Upper Devonian)	12
1.2.7 Onondaga Limestone (Middle Devonian)	13
Chapter 2 Methods	
2. METHODS	14
2.1 Overview	14
2.2 Stratigraphic Correlation	14
2.3 Subsurface Mapping	16
Chapter 3 Results	
3. RESULTS	18
3.1 Stratigraphy of Members	18

Chapter 4 Discussion

4. DISCUSSION	28
4.1 Overview	28
4.2 Sediment Sources	28
4.3 Sedimentation related to the migration or uplift of the peripheral bulge	31
4.4 Sedimentation related to sea level	33
4.5 Sedimentation related to subsidence	34
4.6 Synthesis	36

Chapter 5 Conclusion

5. CONCLUSION	38
5.1 Conclusions	38
References	40
Appendix I: Cross Sections	46
Appendix II: Data compilation of intervals	52
Appendix III: Data compilation, thickness of Angola	56
Appendix IV: Data compilation, thickness of Rhinestreet	102

LIST OF FIGURES

Figure 1 - 1: The Appalachian Basin (map created from node file provided by WV Geological and Economic Survey, 1996).	2
Figure 1 - 2: Generalized stratigraphic section (adapted from Lash and Engelder, 2007).	3
Figure 1 - 3: Block diagram showing: depozones. (Adapted from Pirouz et al., 2011).	5
Figure 1 - 4: A structure map (information from, Patchen, 1977; Cardwell, 1977; Cardwell and Avary, 1982). Structural features are labeled and denoted by differing colors.	7
Figure 1 - 5: Paleo-reconstruction of eastern North America from Blakey (2008).	9
Figure 1 - 6: Typical gamma-ray and bulk density log of the West Falls Formation.....	11
Figure 2 - 1: A trace of a log showing a baseline of siltstone and shale.....	15
Figure 2 - 2: Well locations	17
Figure 3 - 1: Cross section of gamma-ray log signatures	20
Figure 3 - 2: Cross section of gamma-ray log signatures	21

Figure 3 - 3: Isopach map of the Rhinestreet Member informal intervals (base map courtesy of WV GIS Technical Center, Dept. of Geology and Geography, West Virginia University).....	23
Figure 3 - 4: Isopach map of the upper Rhinestreet Member interval.	24
Figure 3 - 5: Isopach map of the middle Rhinestreet Member interval.	25
Figure 3 - 6: Isopach map of the lower Rhinestreet Member interval.....	26
Figure 3 - 7: Isopach map of the Angola and Rhinestreet Members..	27
Figure 4 - 1: Sediment depositional dispersal (Angola)	29
Figure 4 - 2: Sediment depositional dispersal (Rhinestreet).....	30
Figure 4 - 3: Stratigraphic Nomenclature of West Virginia (based on Patchen et al., 1985; Patchen and Hohn, 1993; and modified from Avary and Patch, 2008).	32
Figure 4 - 4: Sea level curve depiction Devonian strata (Filer, 2002).....	33
Figure 4 - 5: Structural interpretation of Central West Virginia Arch.....	36

1 INTRODUCTION AND BACKGROUND

1.1 Introduction

The Paleozoic organic-rich shales within the Appalachian Basin in West Virginia have been targeted as an important oil and natural gas source for 21st century exploration. A drive to find more fossil fuels has consequently resulted in more information, much of which is archived and made available by the West Virginia Geological and Economic Survey (WVGES). With the addition of more information, our understanding of the controlling mechanisms of sedimentation within the Appalachian Basin can be refined. This study investigates the organic-rich shale facies of the Devonian West Falls Formation within the Appalachian Basin (Fig. 1-1). Specifically, this study looks at the entire geographic region of West Virginia to characterize the stratigraphy of the West Falls Formation and to interpret the environments of sedimentation.

The Appalachian Basin ranges from central Tennessee to New York (Fig. 1-1). Many tectonic-scale changes have affected the basin. Major events include the early stages of the Cambrian-Ordovician rifting of Rodinia, to the later stages of rifting of Pangea in the early Mesozoic Era (Blakey, 2008). Structures associated with each orogenic period are contained within the Appalachian Basin.

Cycles in the sedimentary rock record have been recognized since the time of Werner and Hutton (18th century). Grabau (1906) and Barrell (1913) were the first to recognize cycles in the Middle to Upper Devonian rocks of the Appalachian Basin. Previous work by Allen and Friend (1968), Willis and Bridge (1988), Walker (1971), Walker and Harms (1971), and Walker and Sutton (1967), all noted sedimentation subtleties related to autocyclic processes. These studies could not take into consideration the regional (spatial) continuity of these sedimentary units due to the geographic constraints of their studies. In contrast, this study was able to utilize data from

the entire state of West Virginia to better understand the geographic continuity of small and large-scale sedimentation patterns across this portion of the basin.

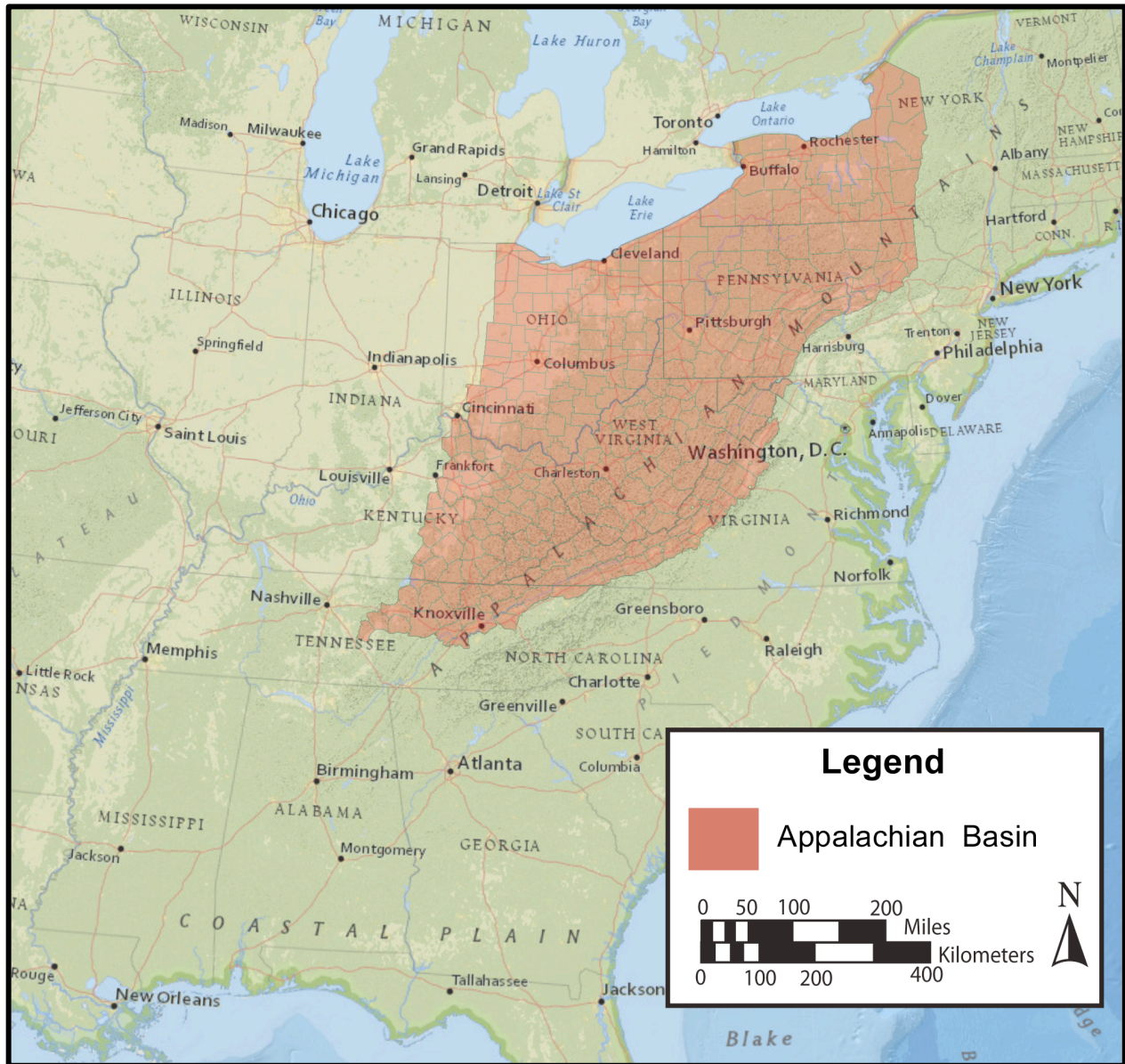


Figure 1 - 1: The Appalachian Basin outlined in orange, showing the full geographical extent of the foreland basin system (map created from node file provided by WV Geological and Economic Survey, 1996).

Filer (2002) looked at the controlling elements of cyclicity of Devonian shales and siltstones in the basin. Filer (2002) concentrated on the shale facies of the Upper Devonian Java

Formation, and the upper part of the Angola Member of the West Falls Formation (Fig. 1-2), but did not study the organic-rich shale facies of the Rhinestreet Member of the West Falls Formation.

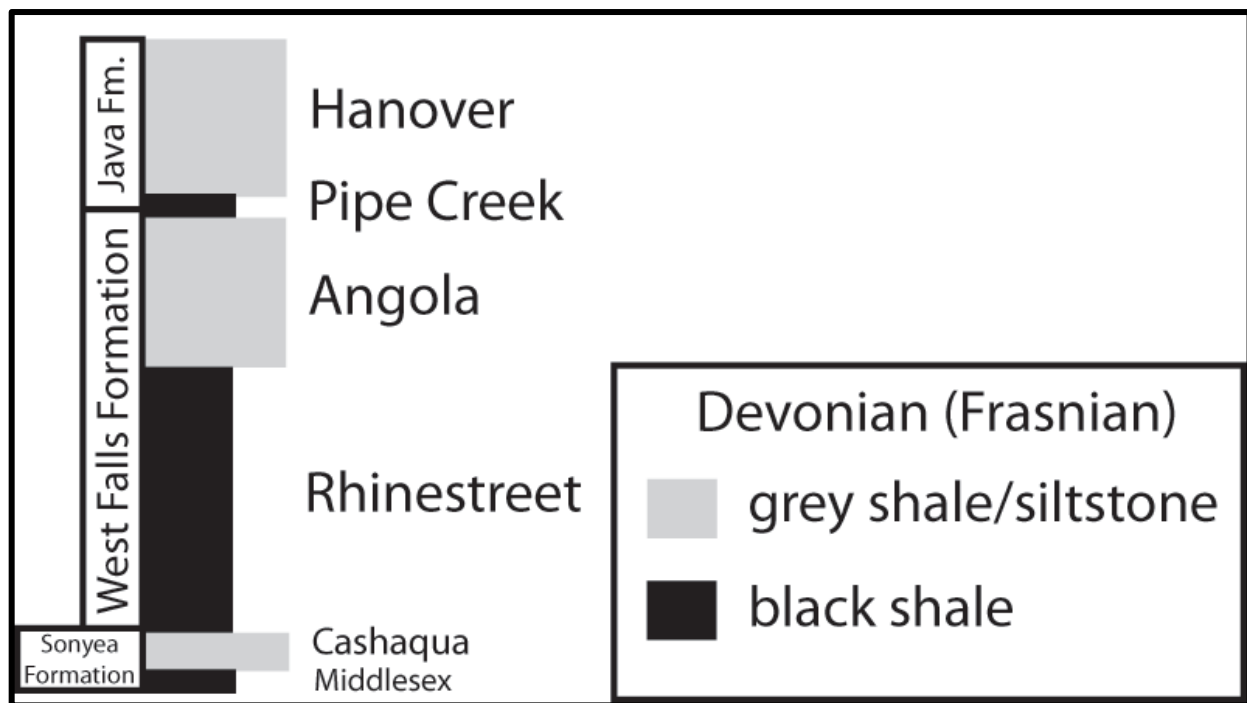


Figure 1 – 2: Generalized stratigraphic section showing the Devonian West Falls and Java Formation (adapted from Lash and Engelder, 2007).

In past studies (Van Wagoner et al., 1990; Embry and Johannessen, 1992; Embry, 1993) wireline logs were used to develop a sequence stratigraphic model within the Appalachian Foreland Basin. However, many interpretations did not address how basement structures influenced the deposition of Devonian shales. This study uses the same techniques of wireline logs (Van Wagoner et al., 1990; Embry and Johannessen, 1992; Embry, 1993; Creaney and Passey, 1993; Filer 2002) to study the spatial variation of unit thickness in relation to basement faults. Recognition of areas of increased unit thickness (depocenters) of the Rhinestreet and

Angola members was accomplished through the identification of organic-rich and organic-poor facies of the West Falls Formation in gamma-ray log data and bulk density logs (Creaney and Passey, 1993; Filer 2002).

1.2 Background

1.2.1 Overview

The Appalachian Foreland Basin covers an area of roughly 480,000 square kilometers. Decelles and Giles (1996) defined a foreland basin by 4 depozones: the wedge-top, foredeep, peripheral bulge, and back-bulge. The Paleozoic Appalachian Foreland Basin contains each depozone (Fig. 1-3). Sediments in the Devonian were eroded and transported off the eastern Acadian Mountains (wedge-top) to the east (modern cardinal direction) and delivered to the foredeep by a system of rivers (Fig. 1-3) and turbidity currents. (eg., Willard, 1934; Dennison and de Witt, 1972; Hasson, 1982; Hamilton-Smith, 1993; Filer, 2002).

Foreland basins include a geographically restricted foredeep between the wedge-top and peripheral bulge, the Cincinnati Arch (Decelles and Giles, 1996) (Fig. 1-3). The Appalachian Foreland Basin has a thick (roughly 12,000 meters) and laterally continuous deposit (foredeep) (Fig. 1-3) of coarse-grained siliciclastic sediment, interbedded with distal organic-rich black shales (Filer, 2002). The Cincinnati Arch was an area of uplift that during some stages of the Devonian was subaerially exposed (Zielinski and Mciver 1982; Hamilton-Smith, 1993).

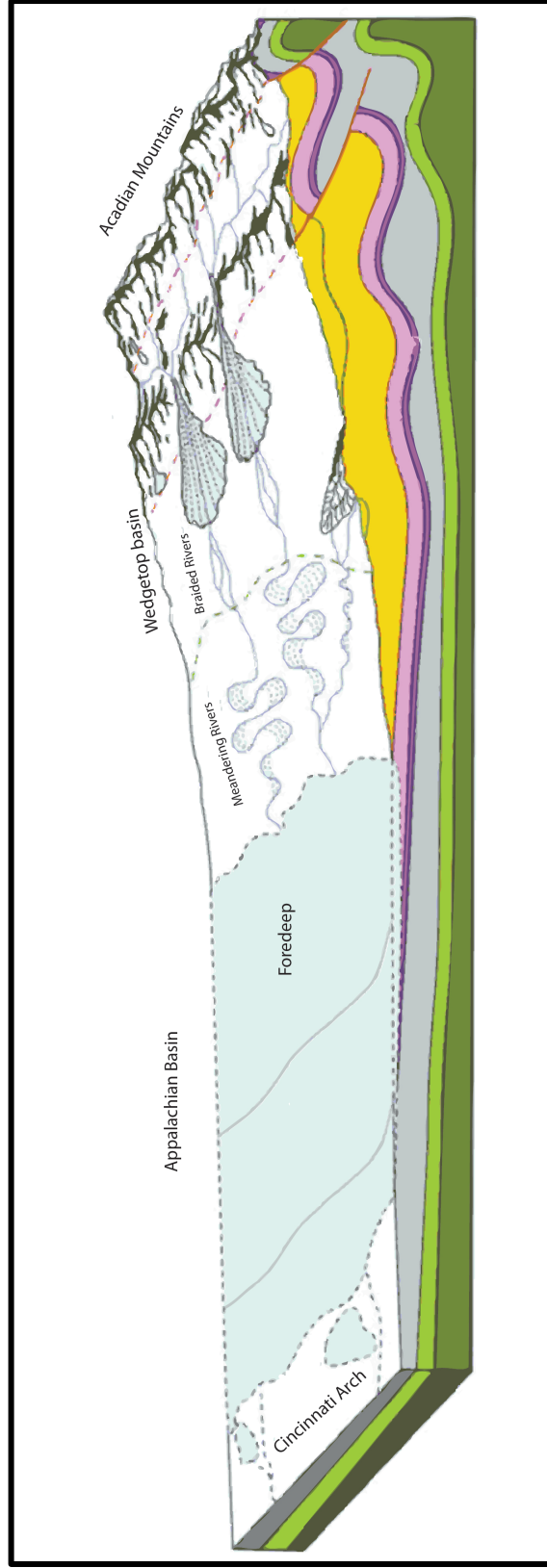


Figure 1 – 3: Block Diagram showing the interaction between depozones, Wedgetop (Acadian Mountains), Foredeep, Forebulge (Cincinnati Arch); backbulge not shown (Adapted from Pirouz et al., 2011)

1.2.2 Tectonics

The Acadian Orogeny is restricted to Middle to Late Paleozoic time, and affected the central Appalachian Basin. This orogeny reactivated the foredeep of the Appalachian Basin resulting in the deposition of a thick (several hundred meters) and continuous wedge of coarse siliciclastic sediments on the eastern flank of the basin (Filer, 2002).

Many of the structures in the Appalachian Foreland Basin have their origin in the orogenic periods of the Precambrian Grenville Orogeny to the late stages of the Neoproterozoic/Cambrian rifting. During the Neoproterozoic-Cambrian, the Iapetus and Rheic oceans opened, moving lithospheric blocks eastward, creating the segments of the Rome Trough and Central West Virginia Arch (Shumaker, 1996; Baranoski, 2002; Kulander and Dean, 1986; Kulander and Ryder, 2005) (Fig 1-4). The Cambrian Rome Trough was a graben that was segmented by normal faults (Gao et al., 2000) along with the Central West Virginia Arch, an uplift along the eastern margin of the trough. Gao et al. (2000) reported the Rome Trough was less active from the Late Ordovician through Pennsylvanian.

During the Cambrian-Ordovician, the continent Laurentia was in existence. During the Cambrian, Laurentia was rotated 90 degrees clockwise relative to present, and was located near the equator. A volcanic island system approached from the paleogeographic south, closing the Iapetus seaway (Blakey, 2008).

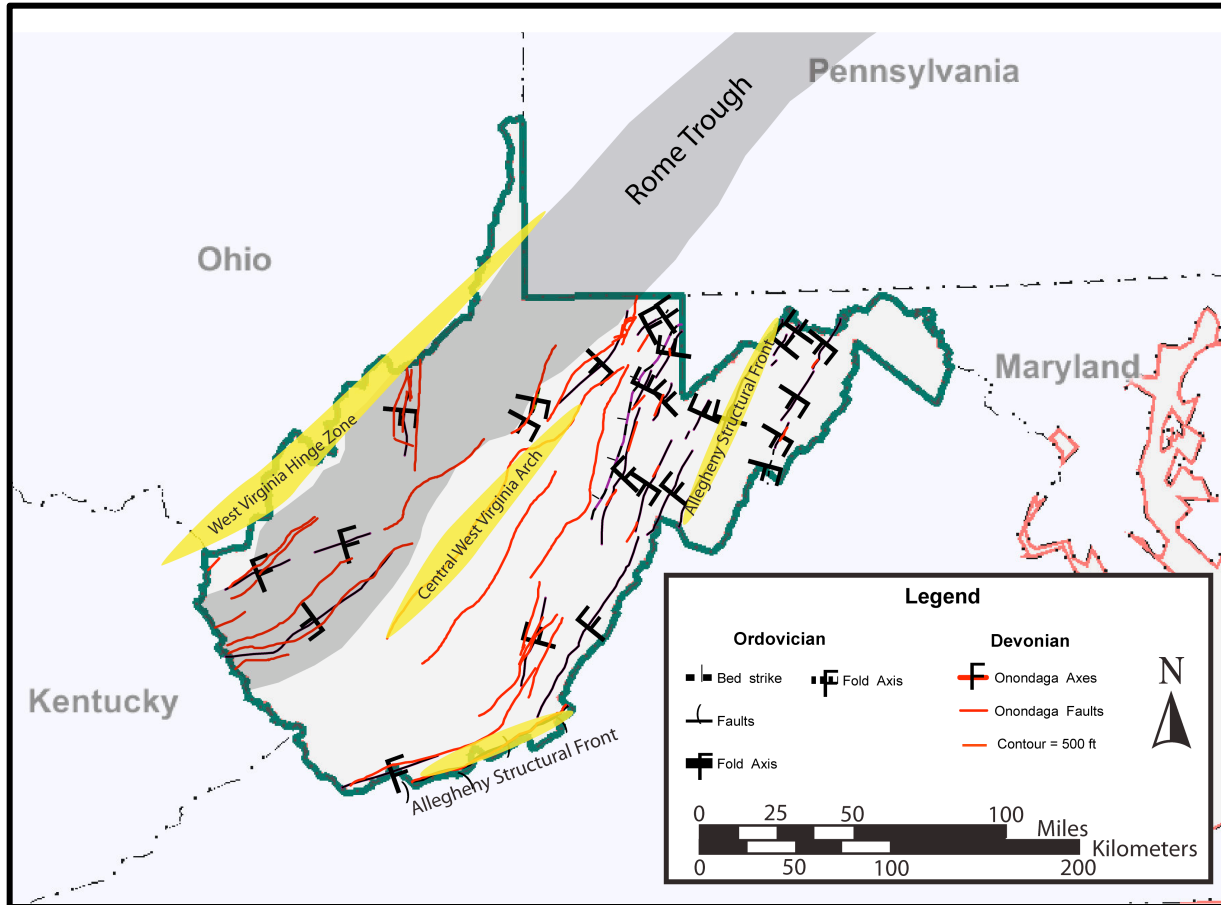


Figure 1 - 4: A structure map showing the location of folds, faults, and other basement structures (information from, Patchen, 1977; Cardwell, 1977; Cardwell, 1982). Structural features are labeled and denoted by differing colors.

During the Ordovician the North American plate was rotated approximately 45 degrees clockwise relative to its present day position and was in the southern hemisphere (Blakey, 2008). The Taconic Orogeny was a consequence of the previously described volcanic arc system colliding and docking with Laurentia during the Ordovician and closing the Iapetus and Rheic oceans (Gao et al, 2000; Blakey, 2008). The collision along the arc margin formed a foreland basin. Areas of the Rome Trough were reactivated and many of the Ordovician clastic-wedge sediments were deposited into the subsided graben (eg. Shumaker, 1996; Baranoski, 2002; Kulander and Ryder, 2005). In addition, the eastern margin of the Rome trough designated the

Central West Virginia Arch (Kulander and Dean, 1986) was also reactivated (Shumaker and Wilson, 1996) (Fig. 1-4). Towards the paleogeographic southeastern corner of Laurentia, Avalonia, another volcanic arc fast approached (Blakey, 2008).

Avalonia was a volcanic arc generated during the Ordovician that collided with the Laurentian plate during the Silurian-Devonian, resulting in the Acadian Orogeny (Gao et al, 2000), producing thrust anticline structures (Figs. 1-3). Reverse movement along preexisting normal faults thickened the lithosphere and generated the Acadian Mountains (wedge-top) (Gao et al, 2000) (Figs. 1-3 and 1-5). This load warped the lithosphere and created the Cincinnati Arch (Figs. 1-3 and 1-5). Consequently, the Appalachian Foreland Basin was generated to the northwest of the wedgetop (Acadian Mountains) and was restricted by the belt of uplift (the forebulge or Cincinnati Arch) (Figs. 1-3 and 1-5). The Acadian Orogeny generated structures within the foreland basin, and also reactivated preexisting structures in the geographic region of the Rome Trough and Central West Virginia Arch (Woodward, 1961; McGuire and Howell, 1963; Kulander and Dean, 1978). The Rome Trough and Central West Virginia Arch significantly influenced the deposition of Devonian foredeep sediments.

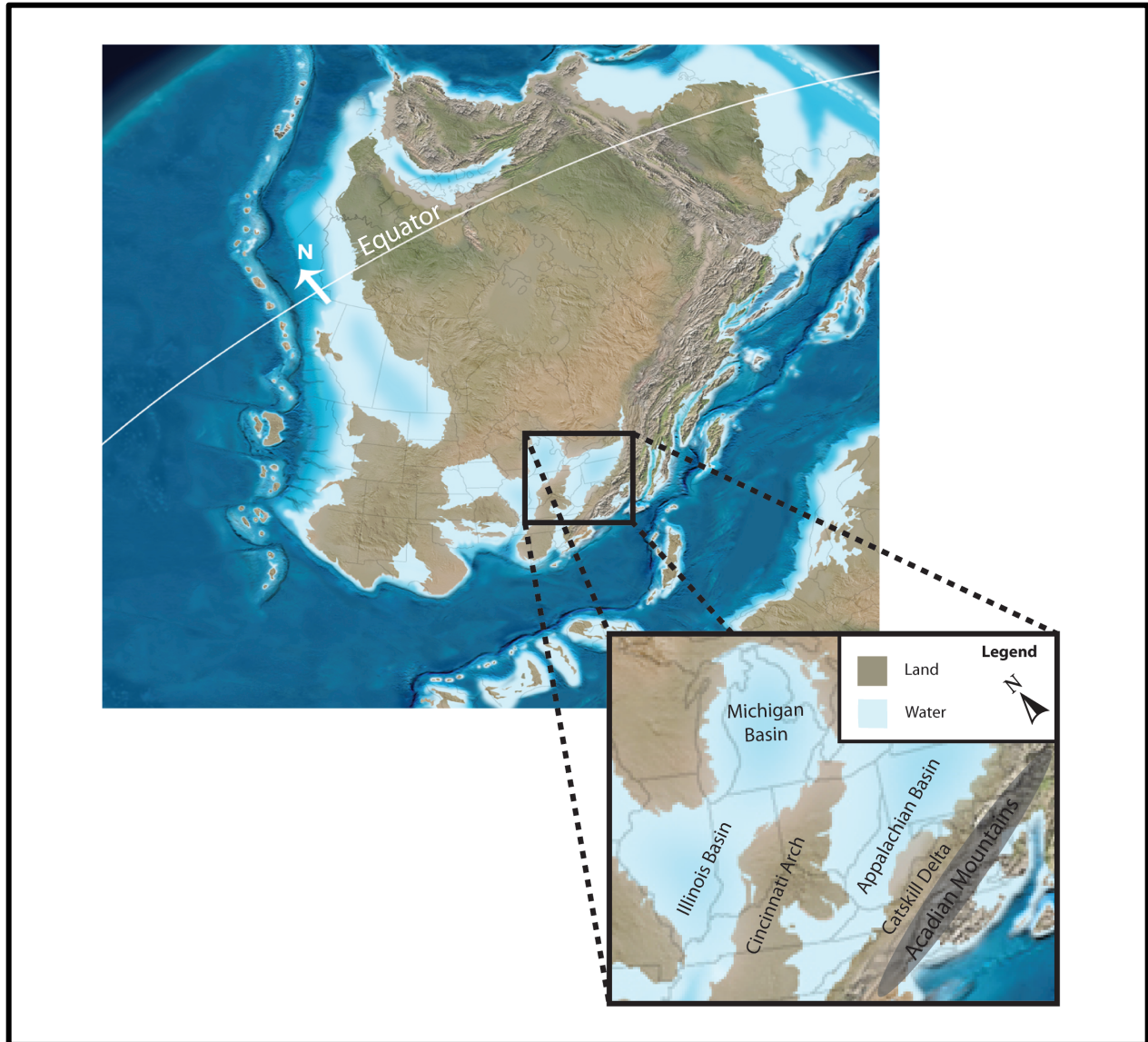


Figure 1 - 5: Paleo-reconstruction of eastern North America (left) during the Middle Devonian modified from Blakey (2008).

1.2.3 Depositional setting during the Devonian Period

The West Falls Formation was deposited in the Appalachian Foreland Basin. Units within the Appalachian Foreland are cyclic in nature; cycling between marine and non-marine sediments (Grabau, 1906; Barrel, 1913). The West Falls Formation is part of one of the five Late Devonian sequences in the “Catskill Delta” (classically defined) (Filer, 2002). Past research has

classified the “Catskill Delta” as a single delta complex, (Willard, 1934; Dennison and de Witt, 1972) but given the considerable complexity of the Appalachian Foreland Basin system, it is more accurately classified as a stacked and layered river system (Filer, 2002) that propagated from the Acadian Highlands (wedgetop). The clastic units derived off the Acadian Highland include the shoreward geographic lobes first identified by Willard (1934), Dennison and de Witt (1972), and Hasson (1982) and include the: Hawkins, Augusta, Fulton, Snyder, and Wyoming Lobes (trending South to North—modern cardinal direction). The paleocurrent systems (alluvial, delta plains, shelf and turbidite) are generally oriented to the west (modern cardinal direction).

1.2.4 Stratigraphy

Patchen’s (1977) stratigraphic summary restricted the clastic “Devonian Shales” in West Virginia to the interval between the Middle Devonian Onondaga Limestone and the bottom of the Lower Mississippian Berea Sandstone. This study’s primary concentration is within the West Falls Formation, which is part of the Devonian Shale sequence. The following formations were used in this study.

1.2.5 Java Formation (Upper Devonian)

de Witt (1960) described the Java Formation at the outcrop in Beaver Meadow Creek in Java Township, New York. The formation is dark-gray shale with a high abundance of calcareous siltstone (Neal, 1979). The basal unit of the Java Formation is the Pipe Creek Shale, which was easily identified by a high gamma-ray API (American Petroleum Institute) value in and low bulk density value (Fig. 1-6). The Pipe Creek Shale occurs in the western part of West Virginia, but it pinches out in the eastern part of the state as the facies changes from organic-rich to an organic-poor deposits.

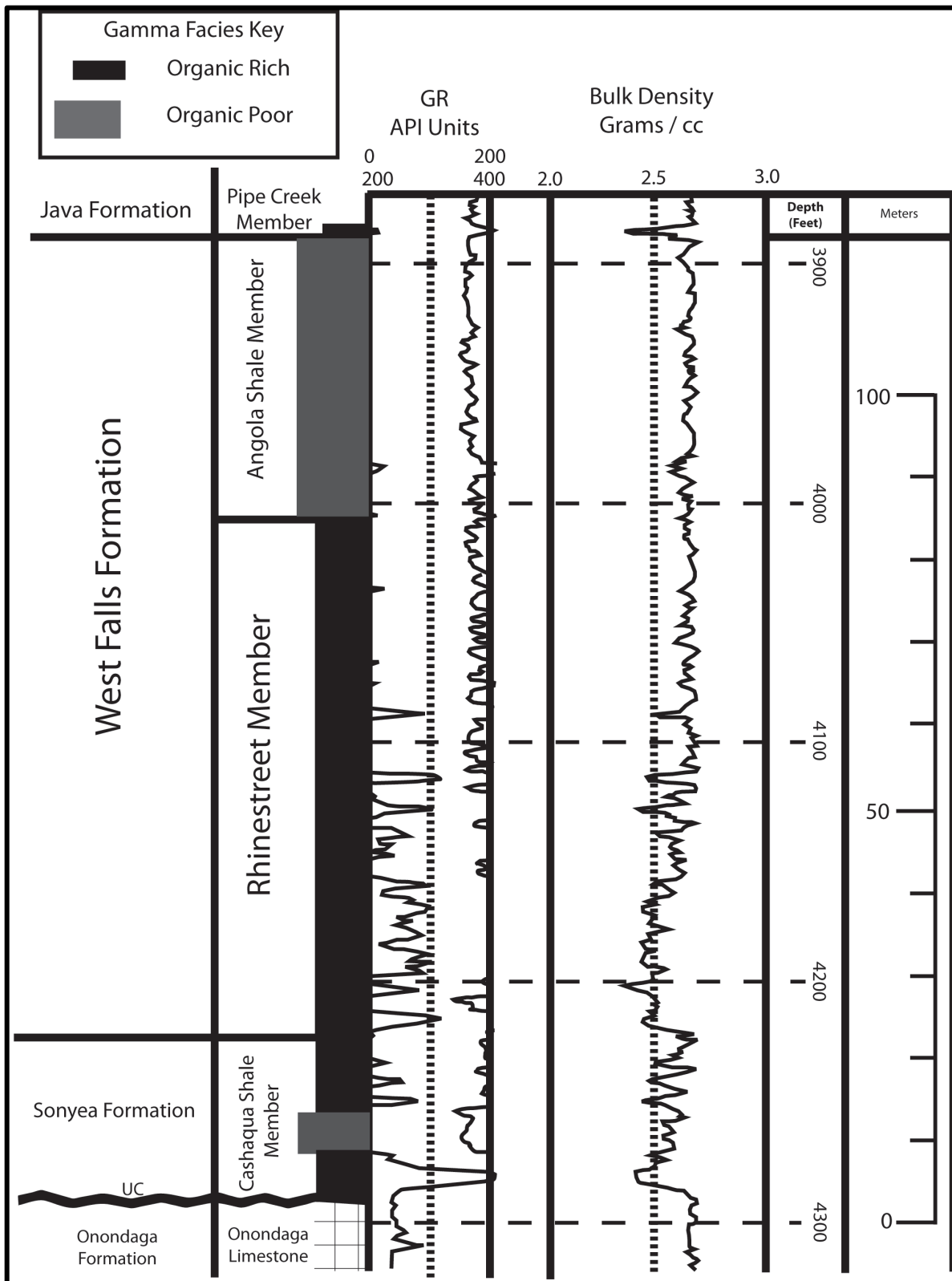


Figure 1 - 6: Typical gamma-ray and bulk density log of the West Falls Formation (Jackson, API: 4703501375). Scales are in feet and meters. The ft. scale is depth below the land surface.

1.2.6 West Falls Formation (Upper Devonian)

The West Falls Formation is bounded by two distinctly different formations: the Sonyea Formation below, and the Java Formation above (Fig. 1-6). de Witt and Colton (1956) identified and named the West Falls Formation. The West Falls Formation is known from the exposure along Cazenovia Creek in the vicinity of West Falls and East Aurora Central Erie County, New York (Neal 1979). In the southern counties of West Virginia, the West Falls Formation thickness ranges from 30 to 210 meters. Neal (1979) identified an overall lithology containing a gray silty shale to siltstone. In addition, the West Falls Formation has been divided into two formal members: the Rhinestreet, and the Angola (Fig. 1-6).

The West Falls Formation displays interbeds of dark grey to black, organic-rich radioactive (represented by a gamma-ray value higher than 200 API units) shale between 0.5 to 2 meters thick, and thicker beds (between 5 to 15 meters) of less radioactive siltstone (Filer, 2002). The Angola Member consists primarily of siltstone with shale and is equivalent to the western shale facies of the Nunda Sandstone in New York (Neal, 1979). The Rhinestreet Member has been described as a pyritic shale with minor amounts of interbedded siltstone (Neal, 1979). Gamma-ray logs indicate that the Rhinestreet Member organic-rich shale signal is greater than 200 API units. Towards the eastern part of West Virginia, the Rhinestreet member thins as the facies begins to change, going from mostly highly organic-rich shale to increasing amounts of interbedded siltstone and gray shale to, finally, entirely siltstone.

Lastly, this study identified the position of two sandstones, which are tentatively identified as the 1st and 2nd Alexander. The 1st Alexander Sandstone overlies the Angola Member and the 2nd Alexander interfingers with the Angola Member.

1.2.7 Onondaga Limestone (Middle Devonian)

The Onondaga Limestone lies below the Devonian shales (Fig. 1-6). The Onondaga Limestone is identified by a low gamma-ray signature and is recognized throughout the majority of the geographic region of West Virginia.

2. METHODS

2.1 Overview

This study relied primarily on subsurface data to examine lateral continuity of the West Falls Formation. Most data have been archived by the West Virginia Geological and Economic Survey (WVGES).

2.2 Stratigraphic Correlation

Stratigraphic data of the West Falls Formation were compiled for West Virginia including gamma-ray logs coupled with bulk density. Gamma-ray logs have been identified as a useful proxy for determining a continuum of coarse to fine-grained siliciclastic sediments (Rider, 1986). High gamma-ray API values (> 200 API Units) indicate organic-rich shale. High API values are attributed to the complex chemistry of the crystal lattices that allow clay minerals to readily adsorb elements with radioactive isotopes, including uranium, thorium, and potassium (Fertl, 1982).

Past research (eg., Neal, 1979; Dowse, 1980) has recognized radioactive sedimentary facies to identify formational contacts, which are commonly organic-rich. Detailed log correlations that identify both members of the West Falls Formation were used to identify changing facies and member geometries. Baselineing was drawn from peak values of marker beds to calibrate each API value between gamma-ray logs (Fig 1-1). Some analog form logs were redrawn into digital form for the purpose of this study. Other information (drillers logs, location, elevations) on stratigraphy was referenced from the archived material provided by the WVGES.

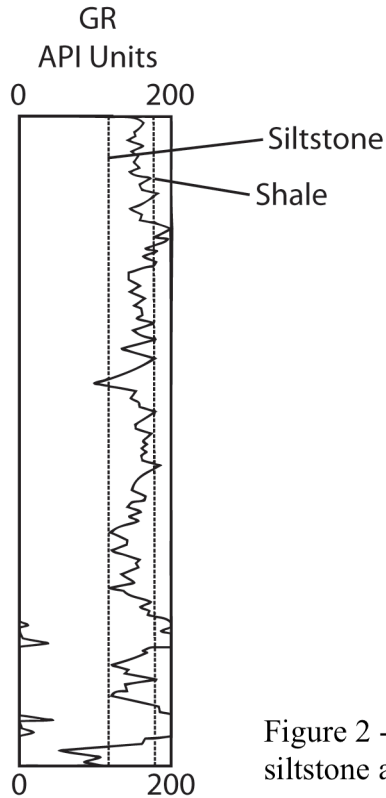


Figure 2 - 1: A trace of a log showing a baseline of siltstone and shale.

Following Filer (2002), any calibrated gamma-ray values greater than 200 API units were recorded as a radioactive organic-rich facies (Piotrowski and Harper, 1979; Boswell, 1988; Filer 1985). In addition, a lower baseline was selected from an observed and easily identified clastic or limestone unit (eg. 1st or 2nd Alexader, Onondaga Limestone) (Piotrowski and Harper, 1979; Boswell, 1988; Filer 1985). Each interval from the base of a highly organic-rich shale layer to the base of the next organic-rich shale layer defines the thickness of each depositional fining upward sequence, separated at the contact defined by high gamma-ray spikes above and lower gamma-ray units below indicating silty/sandy sediments (Filer, 2002). One hundred scans of well logs were extracted from the WVGES to be used in identifying the internal stratigraphy of the Rhinestreet Member. Of the 100 scans, 23 scans were selected to be the best representation

of downhole data representing 23 counties in West Virginia (Fig. 2-1 and appendix II). Cross-sections (Figs. 3-1 and 3-2) were generated to illustrate and refine the stratigraphy of the West Falls Formation, and to show the internal architecture of the three intervals this study has found within the Rhinestreet Member.

2.3 Subsurface Mapping

After establishing the stratigraphic gamma-ray signature (as with Filer, 2002) of the Rhinestreet and Angola Members, a series of isopach maps were created based on data collected from wells and interpolation between wells. Figure 2-1 shows the well distributions used in this study. To show the internal stratigraphic thickness of the Rhinestreet Member 23 wells were used. To show the thickness of the West Falls Formation members, 2153 wells were used to construct the Angola Member thickness, and 2368 wells were used in the Rhinestreet Member thickness (Fig. 2-1) because these values can be verified from driller's logs. This task was accomplished by plotting data in different programs including: 3D Field, Landmass Surfer, Arc GIS. Kriging, a geostatistical technique, was utilized to interpolate the large amount of data. Kriging interpolates data between existing data points based on observational space of differing data points. The amount of influence a data point has is dependent on the distance of each point from another data point. The closer one data point is to another data point, the greater the influence on contour value.

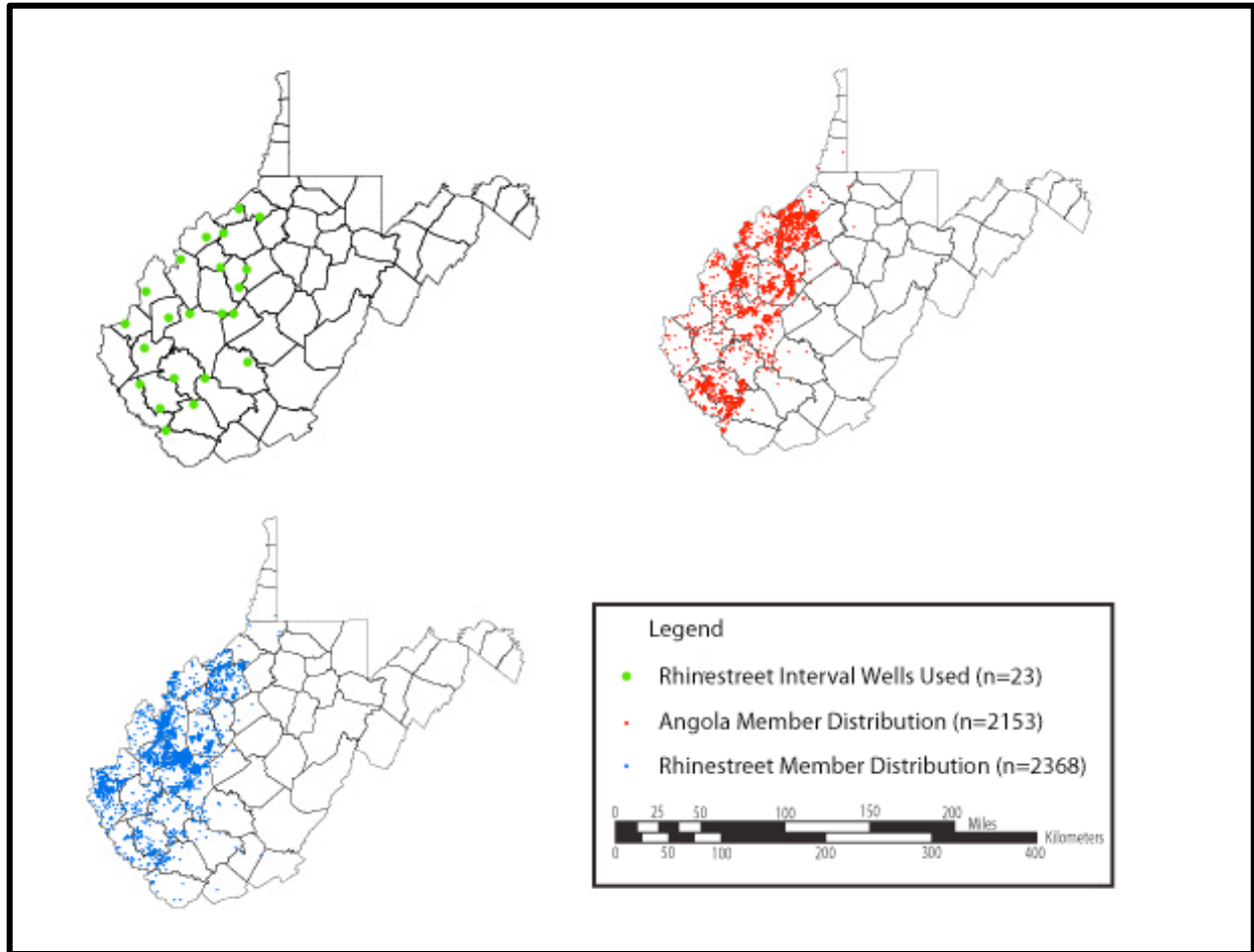


Figure 2 - 2: Well locations of the division of the intervals identified in the West Falls Formation, the distribution of Angola wells used, and the Rhinestreet Member wells used.

3. RESULTS

3.1 Stratigraphy of Members

Past research by Neal (1979) and Dowse (1980) provided a framework of Devonian Shale stratigraphy in West Virginia. Using the Neal (1979) and Dowse (1980) framework, logs were correlated and cross sections were constructed (Figs. 3-1 and 3-2); analog well data can be found in appendix I and data can be seen in appendixes II, III and IV. In the western part of West Virginia, the Pipe Creek Shale Member of the Java Formation was helpful in identifying the upper boundary of the Angola Member due to its easily recognized gamma-ray log signature. However, the Pipe Creek Shale is difficult to identify in central and eastern West Virginia making the identification of the upper boundary of the Angola Member in those areas questionable.

The Alexander sandstone, when present, can also be used to define the upper boundary of the Angola Member and is referred to as the first or upper Alexander. The bottom of the first Alexander marks the top of the Angola Member (Figs. 3-1 and 3-2). The second Alexander occurs within the Angola Member (Figs. 3-1 and 3-2). It is unclear if these sandstone were correctly identified because of eastern sandy facies of the Upper Devonian in West Virginia are currently undivided or named based on relative position within a gas field in a given area (Piotrowski and Haper, 1979). Drillers' logs indicate the relative position of sandstones, but unit names are not necessarily used consistently throughout the basin. For the purpose of this study the 1st Alexander sandstone delineates the upper boundary of the Angola Member. Sandstone units for the most part are useful for base-lining gamma-ray logs and are sometimes helpful in the quick identification of members. Due to some drilling practices, casing the bore hole dampens many signals of sandstone and siltstone and it is exceedingly difficult to distinguish

between the two. In contrast, organic-rich shales like the ones found within the Rhinestreet Member were easily recognized. High API spikes were observed at the contact between the Angola and Rhinestreet Members. The upper API value is considered to be part of the lower Angola Member and the next spike marks the top of the Rhinestreet Member.

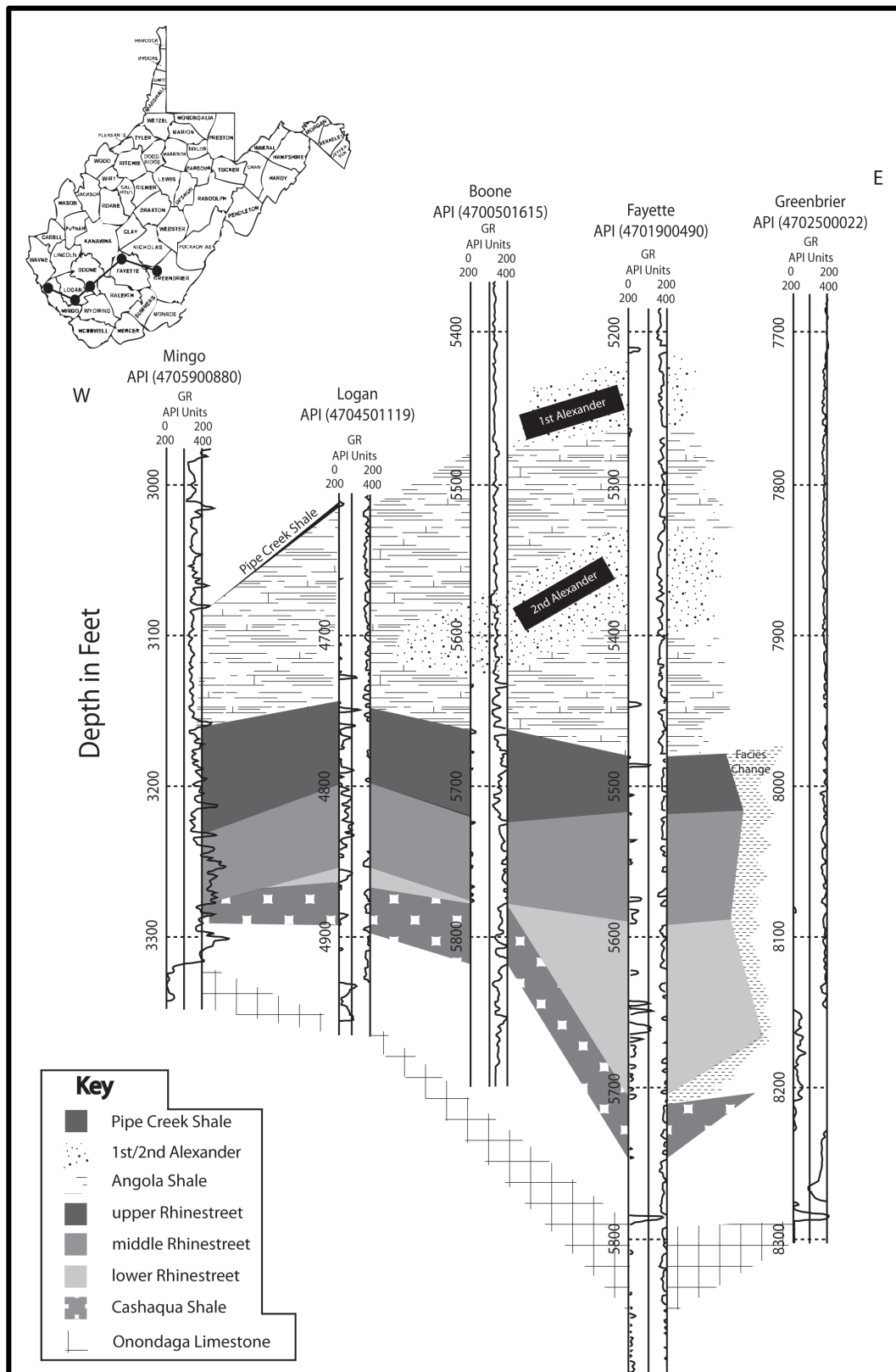


Figure 3 - 1: Cross section of gamma-ray logs within the Appalachian Foreland Basin. The Rhinestreet Member was subdivided into three informal intervals: the upper, middle, and lower. Units are feet below the ground surface.

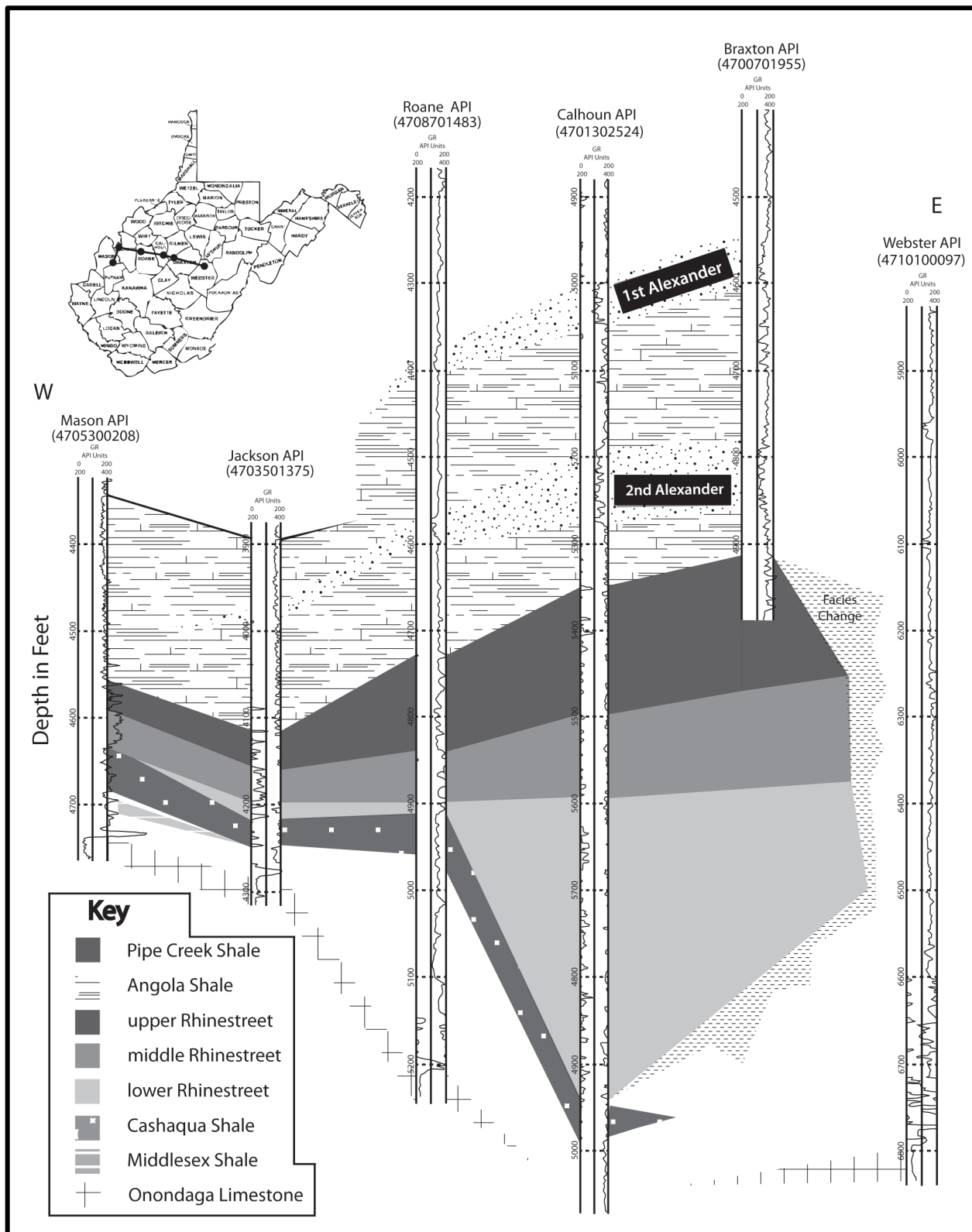


Figure 3 - 2: Cross section of gamma-ray logs within the Appalachian Foreland Basin. The Rhinestreet Member was subdivided into three informal intervals: the upper, middle, and lower. Units are feet below the ground surface.

This study has subdivided the Rhinestreet Member into three informal intervals: upper, middle and, lower (Figs. 3-1 and 3-2). The upper Rhinestreet interval is characterized by discontinuous, thin beds of organic-rich shale to organic-poor siltier gray shale units and thickens northward (Fig. 3-3 and 3-4). The middle Rhinestreet is easily correlated between wells as it has the same gamma-ray signature throughout the basin. Analysis of this signature indicates that this interval comprises uniform organic-rich units, and remains the same thickness throughout the foredeep depozone (Figs. 3-3 and 3-5). The lower Rhinestreet interval is similar in character to the upper member, but pinches out in the western part of West Virginia as deposition neared the peripheral bulge represented by a zero isopach (Fig 3-6). In addition, the lower Rhinestreet interval thickens in the eastern middle part of West Virginia (Fig. 3-3 and 3-6). The thickness of the Angola Member varies across the basin with a centralized thickening (orientated northwest—southeast) and thinning west and east of the centralized thickening (Figs. 3-7). The Rhinestreet Member thickness is also variable, with the greatest thickness lying in the eastern counties of the West Virginia study area (Figs. 3-7).

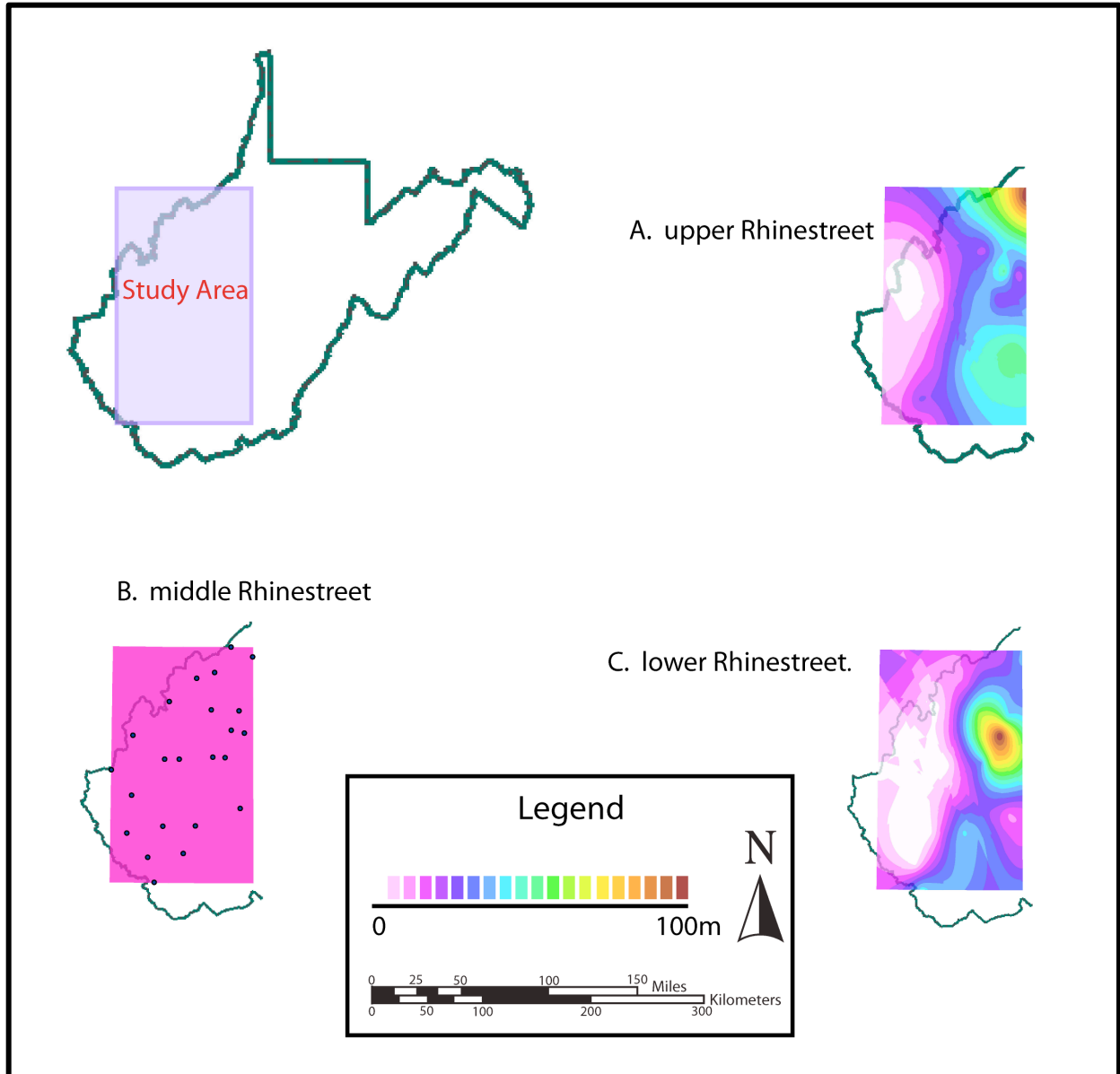


Figure 3 - 3: Isopach map of the Rhinestreet Member informal intervals (base map courtesy of WV GIS Technical Center, Dept. of Geology and Geography, West Virginia University). A.) upper Rhinestreet, thickening in the northeast area of the study area. B.) middle Rhinestreet, thickness is consistent throughout the study area. C.) lower Rhinestreet, thickening in the eastern part of the study area.

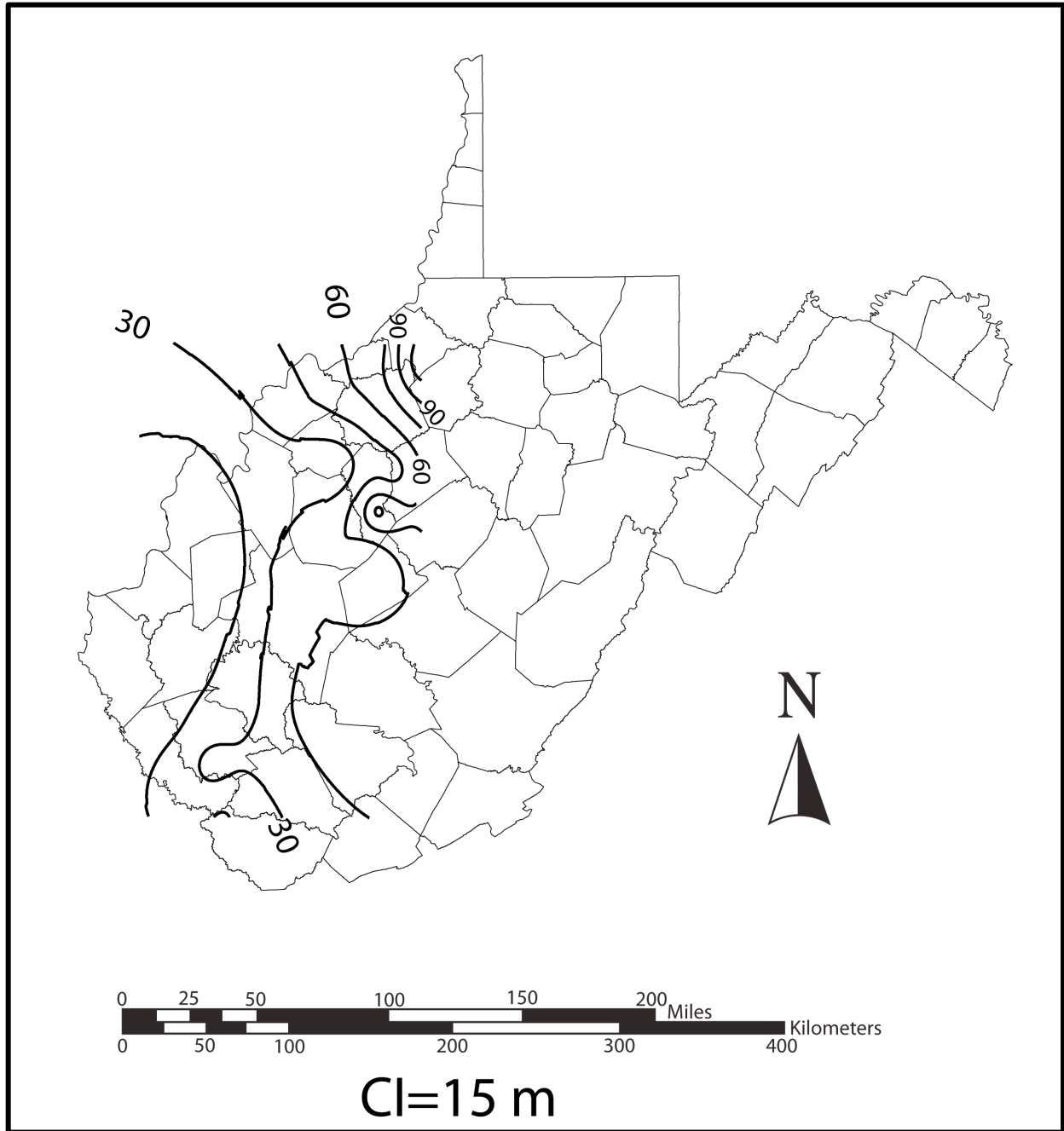


Figure 3 - 4: Isopach map showing the thickness of the upper interval of the Rhinestreet Member.

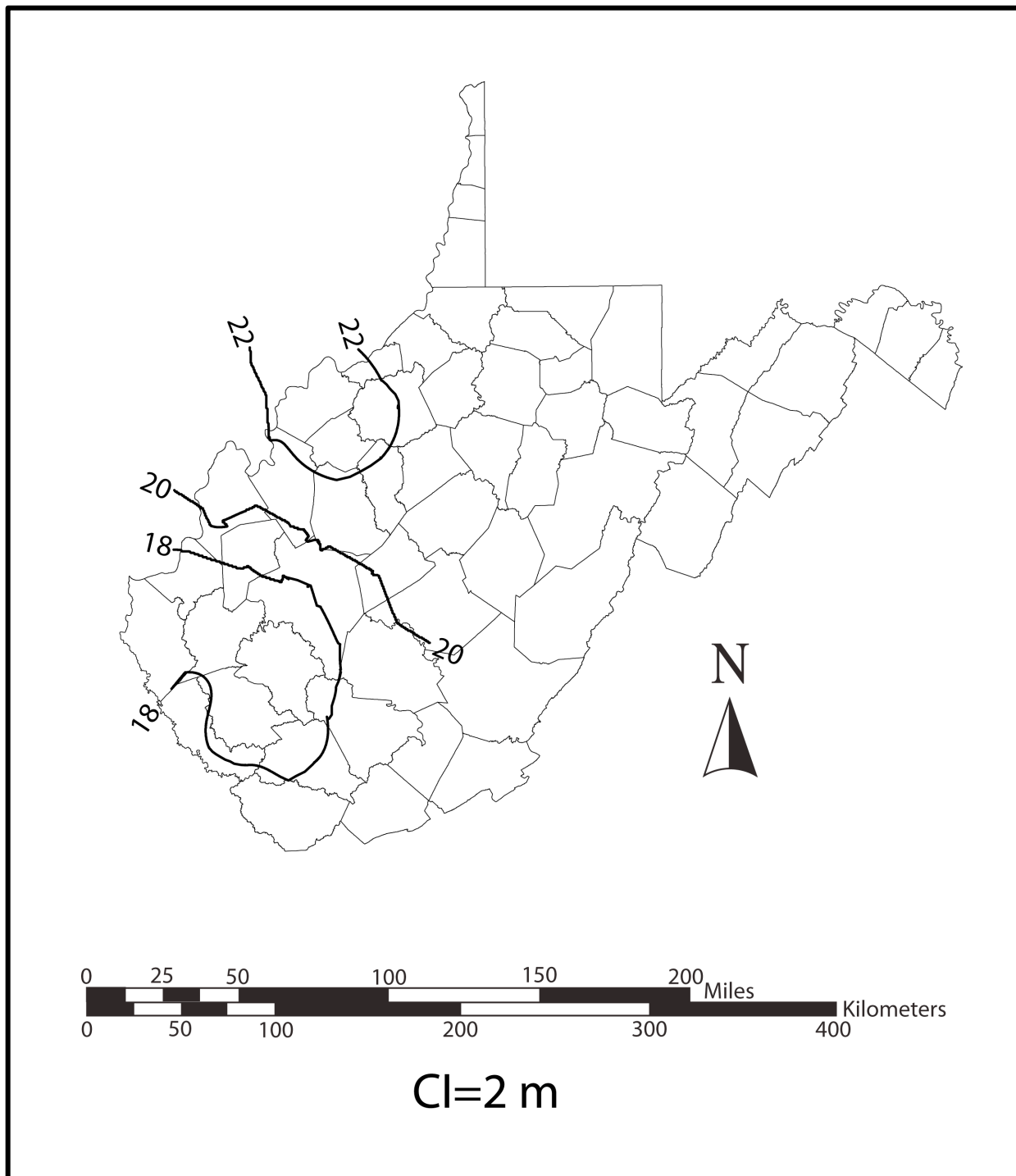


Figure 3 - 5: Isopach map showing the thickness of the middle interval of the Rhinestreet Member.

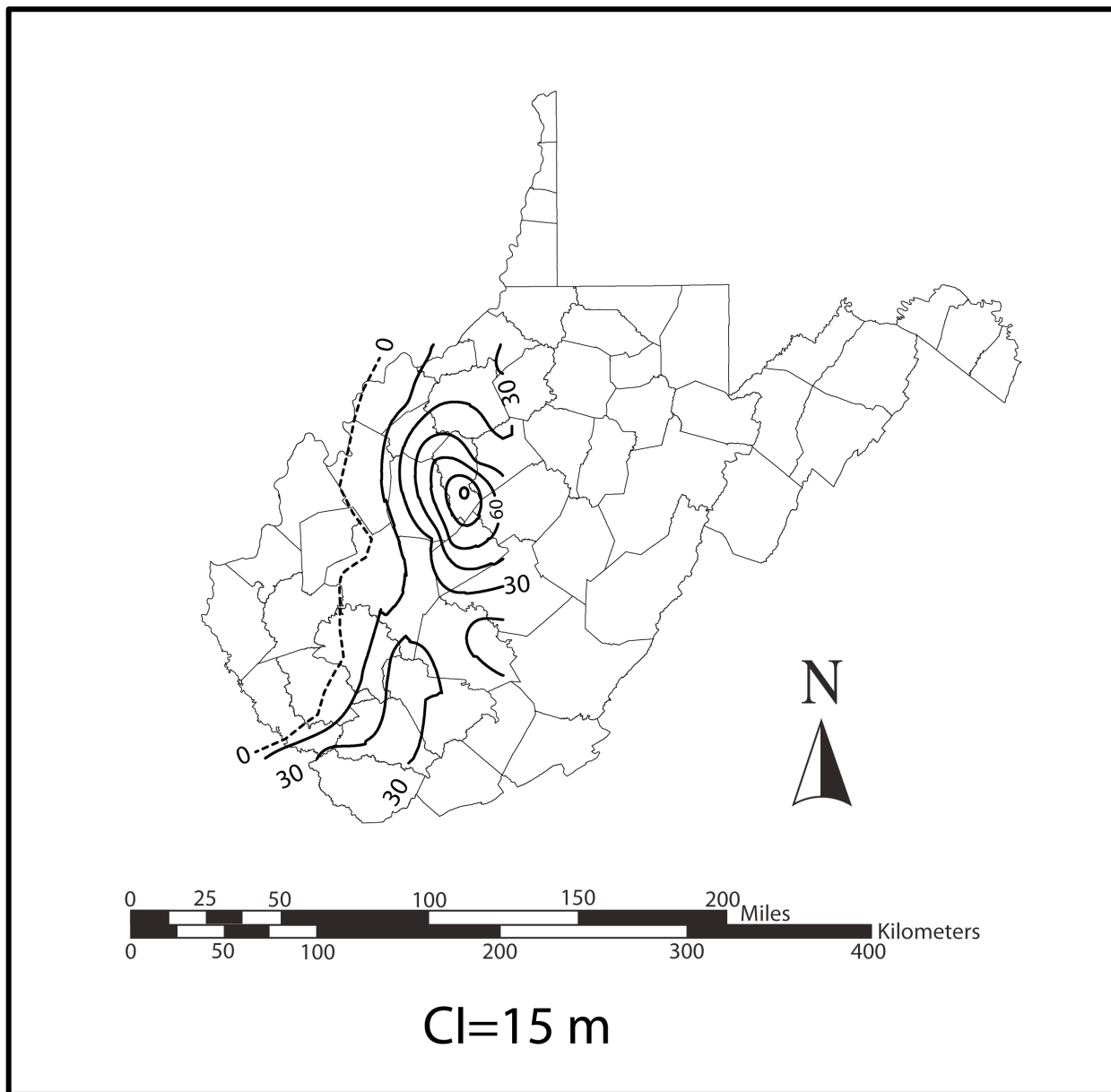


Figure 3 - 6: Isopach map showing the thickness of the lower interval of the Rhinestreet Member.

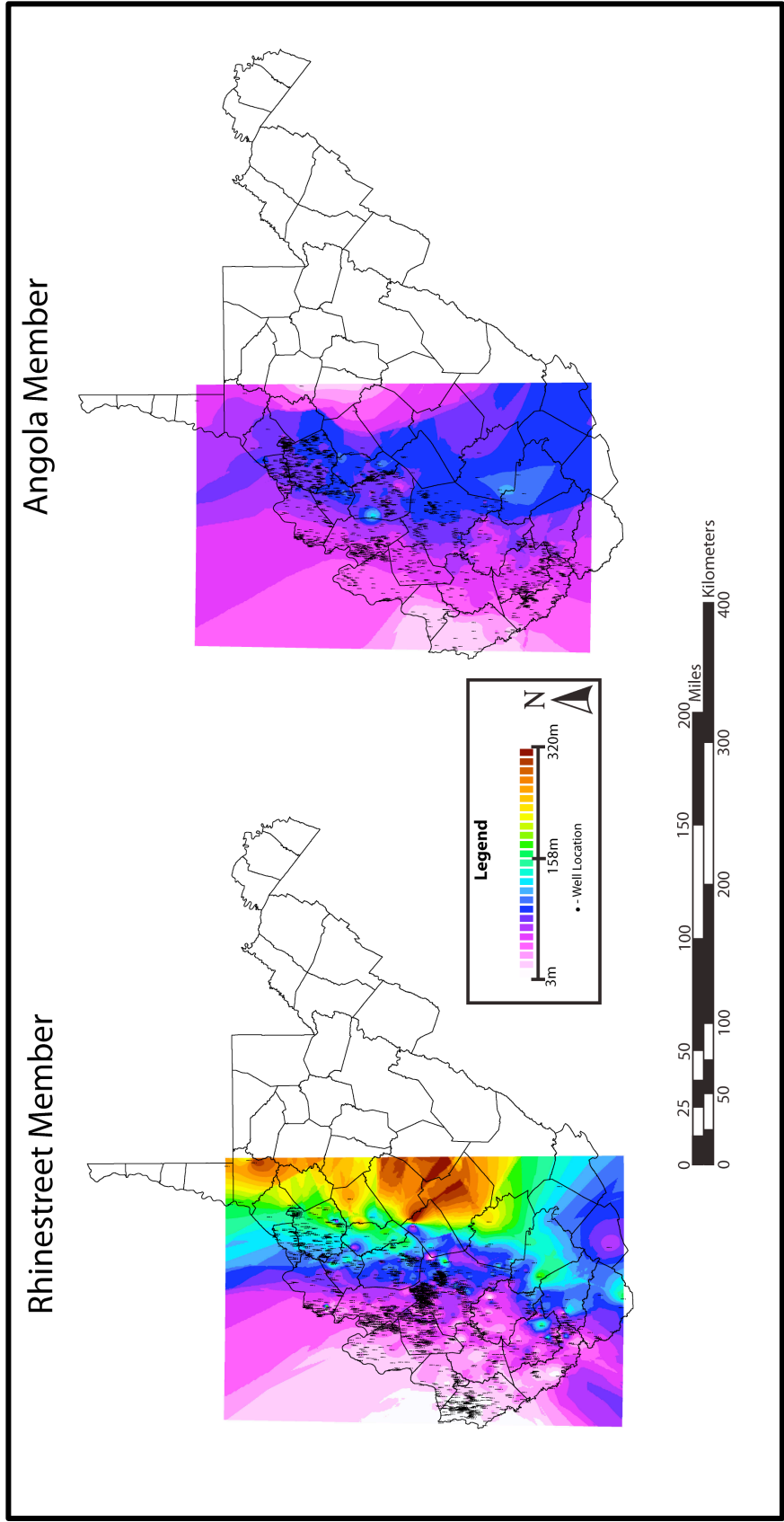


Figure 3 - 7: Isopach map depicting the Rhinestreet and Angola Members. Also, well locations have been included.

4 DISCUSSION

4.1 Overview

Building a model for a foreland basin starts with identifying key facies that may be genetically linked across a large-scale depositional system and may be representative of energy, water depth, and sediment supply (Kerans and Flichen, 1995; Castle, 2001). Looking at the role of tectonism and eustasy within a foreland basin and modeling how facies responded can prove useful in the interpretation of stratal packages (Castle, 2001). Strata have distinctive lithologies and structures related to each depozone. The gross bedding geometry should be discernible in gamma-ray logs and may provide stratigraphic markers characteristic of specific depozones.

4.2 Sediment sources

The thickness of the Angola Member varies across the basin. The thickest portion of the Angola Member occurs along a N-S trending belt in central West Virginia, defining the location of the foredeep (Figs. 3-7 and 4-1). Sediments were either delivered towards the foredeep by a southerly influence near the Hawkins lobe or from the Augusta Lobes (Fig. 4-1). Filer (2002) showed that the Java Formation (stratigraphically younger) received its sediments from the Augusta Lobe, and not the Hawkins Lobe. There is a spatial correlation between the Hawkins Lobe paleo runoff directions and thickness within the Angola Member. The spatial correlation between dip-axes and depocenters suggests that the Augusta shoreward lobe was the dominant influence in the deposition of the Rhinestreet Member. The result is a basinward thinning towards the western part of West Virginia (Fig 4-2).

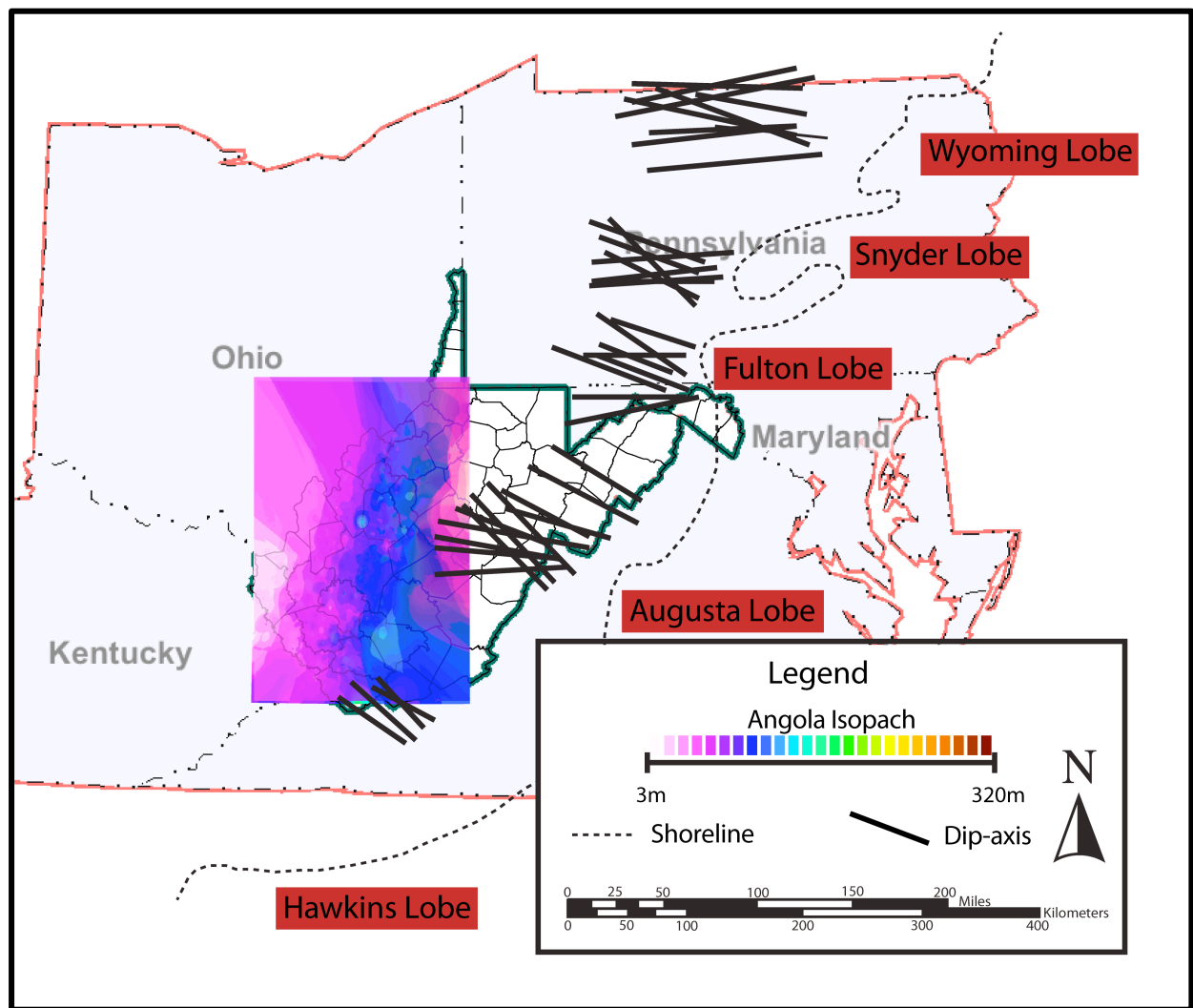


Figure 4 - 1: Sediment depositional (Angola) depocenters related to interpreted depositional westward dip-axes from Filer, (2002). Shoreward lobes first identified by Willard (1934), Dennison and de Witt (1972), and Hasson (1982).

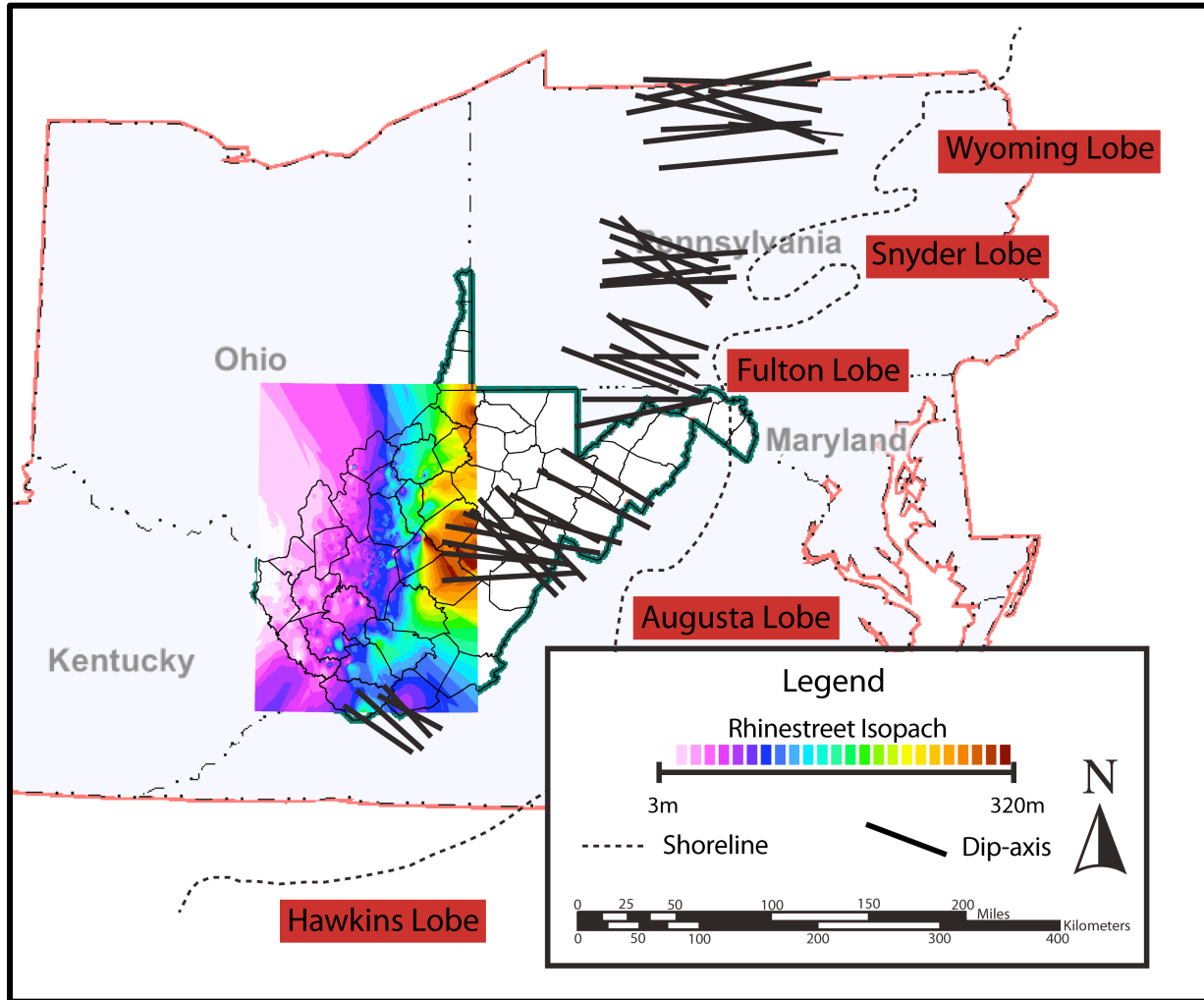


Figure 4 - 2: Sediment depositional (Rhinestreet) depocenters related to interpreted depositional westward dip-axes from Filer, (2002). Shoreward lobes first identified by Willard (1934), Dennison and de Witt (1972), and Hasson (1982).

Three hypotheses to explain the West Falls Formation stratigraphy include: 1.) the location of major depositional centers are related to the migration or uplift of the peripheral bulge; 2.) major depositional centers are related to a eustatic (global) sea level change; and 3.) reactivated basement geology of the Central West Virginia Arch provided the necessary subsidence mechanism to create accommodation space for sedimentation.

4.3 Sedimentation related to the migration or uplift of the peripheral bulge

How the migration of the peripheral bulge influenced the deposition of the Rhinestreet Member remains questionable. The Taghanic unconformity represents the spatial and temporal position of the peripheral bulge (eg, Dennison, 1976; Bambach, 1987; Ettensohn, 1994; Decelles and Giles, 1996; Goodman and Brett, 1994) and occurs between the Onondaga Limestone and Huron Shale, representing 16 m.y. to 25 m.y. of missing time (Fig. 4-3) (Hamilton-Smith 1993). Previous research has shown that the Rhinestreet is in contact with the Taghanic Unconformity, creating an angular relationship that indicates either uplift or movement of the peripheral bulge, halting sedimentation and subaerially exposing the arch (eg. Hamilton-Smith 1993; Decelles and Giles, 1996). However, this study did not find such contact of the Rhinestreet with the Taghanic unconformity except in western Wayne County in West Virginia (Figs. 3-1, 3-2, and Appendix I).

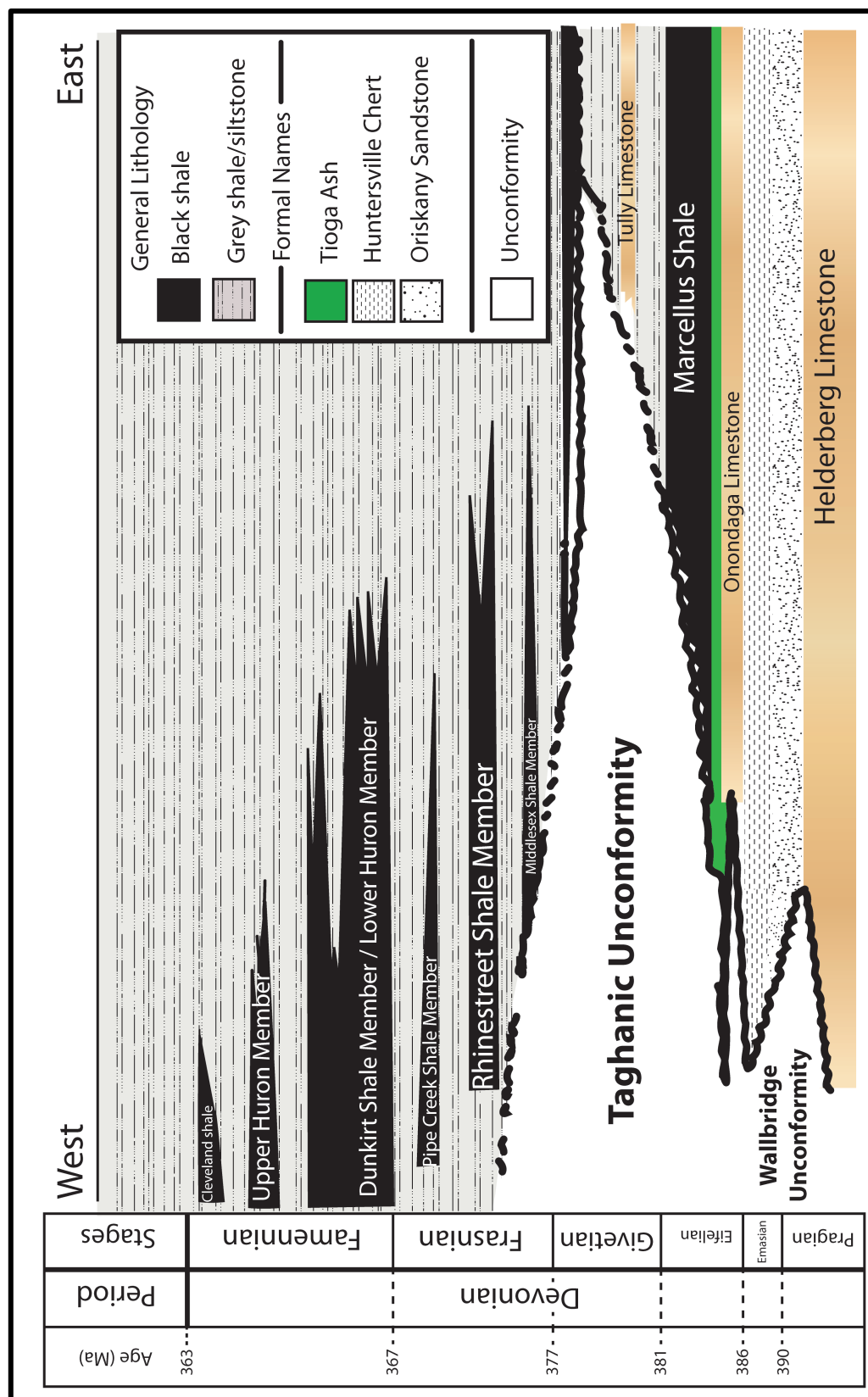


Figure 4 – 3: Stratigraphic Nomenclature of West Virginia (West to East) (based on Patchen et al., 1985; Patchen and Hohn, 1993; and modified from Avary and Patch, 2008).

4.4 Sedimentation related to sea level

Boswell (1988) suggested Frasnian tectonism caused a major eustatic sea-level rise directly influencing Famennian lithofacies distribution within the study area. The Taghanic Unconformity (Fig. 4-3) has been attributed to a eustatic sea-level change by Hamilton-Smith (1993). Also Filer (1994) identified smaller scale cycles in Upper Devonian units in the Appalachian Foreland Basin, and suggested that they were eustatic in origin (Fig 4-4). In addition, the distal regions of the foreland basin contain eustatically-produced unconformities that should not extend into the proximal foreland (Jordan and Flemings, 1991). The concept of the unconformities extending into the foreland holds true of the Taghanic Unconformity, as it is laterally traced into the foredeep and soon disappears.

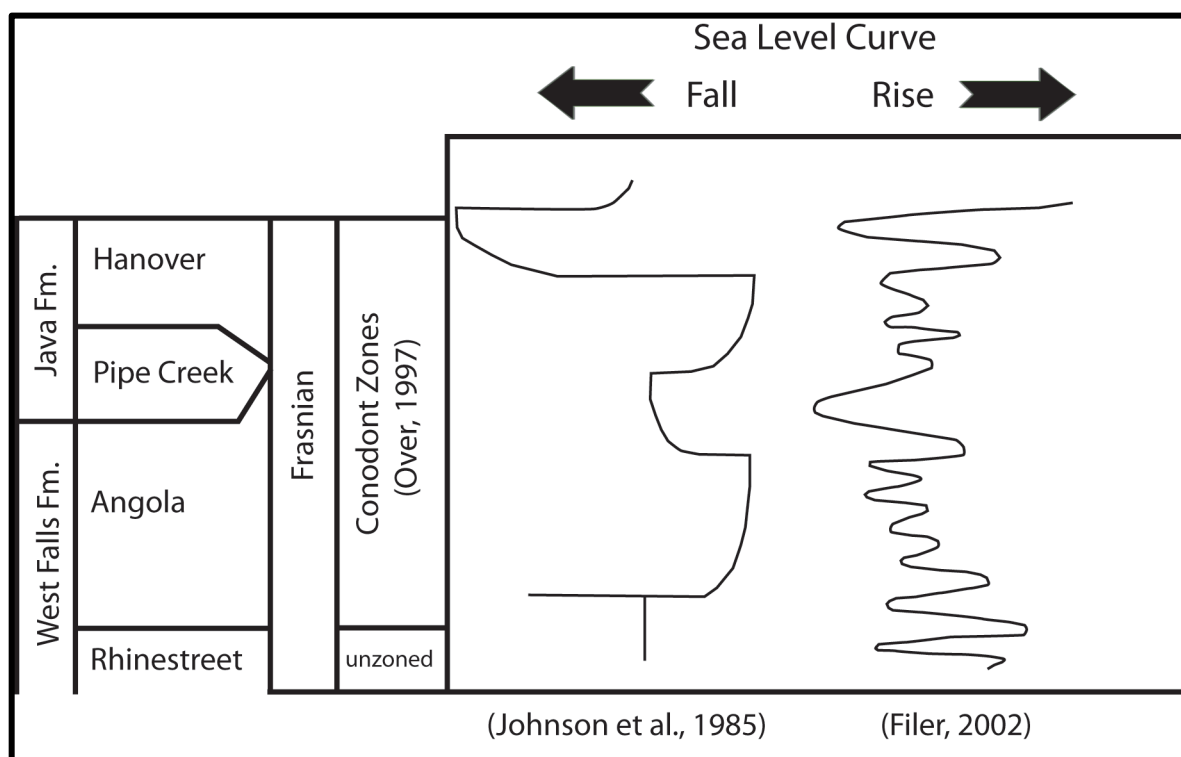


Figure 4 - 4: Sea level curves based upon of Devonian strata from Filer (2002).

It is unlikely sea level was the only factor controlling deposition of the Angola and Rhinestreet Members. If sea level was the only influence then there should be a clear record of

westward migrating stacked depozones as the foreland basin filled from sediment sources to the east, but that has not been observed (e.g., Decelles and Currie, 1996; Horton and DeCelles, 1997). The stratigraphically younger Dunkirk/Lower Huron shale has also been identified as an upper Devonian transgressive unit, possibly formed in response to eustatic sea-level rise (Fig. 4-3) (Woodrow et al., 1988; Filer, 1994). The low amount of carbonate input within the Dunkirk points to a large siliciclastic input from early subsidence. Like the Dunkirk, the Rhinestreet has little carbonate. The only evidence of carbonates is in the form of concretions or nodules (replacement) and reflects diagenesis rather than sea level change (Lash and Blood, 2007) however, the original source of the carbonate is not clear.

4.5 Sedimentation related to subsidence

If sedimentation patterns are a consequence of basement fault reactivation then major areas of accumulation should roughly coincide spatially with preexisting structures like the Rome Trough and Central West Virginia Arch. Compressional stresses generated during orogenic periods hinder subsidence along pre-existing structures. Tankard (1986) demonstrated the dynamics of lithospheric movement related to basin subsidence and uplift of a peripheral bulge related to Acadian tectonism. A major unconformity between the Mississippian and Pennsylvanian marked the end of the Acadian collision where erosion and unloading of the lithosphere became a predominate force (Tankard 1986). Thus, subsidence at the Central West Virginia Arch began somewhere between a phase of early orogenic (Acadian Orogeny) collision and high subsidence outlined by Castle (2001), and the ending phase of collision (Tankard, 1986).

The northeast-trending Cambrian Rome Trough graben was segmented by normal faults (Gao et al., 2000) and later reactivated into an inverted graben (Scanlin and Engelder, 2003)

during the Alleghanian Orogeny (Ryder et al., 2009). Gao et al. (2000) reported the Rome Trough was less active from the Late Ordovician through Pennsylvanian.

There is a close relationship between basement fault features, specifically the Central West Virginia Arch and major areas of sediment accumulation within the Rhinestreet Member of the West Falls Formation (Fig. 4-5). The mountain belt's exposed sediments were constantly being eroded into the foredeep. The sedimentation loaded the lithospheric foredeep and resulted in further subsidence along the Rome Trough and Central West Virginia Arch. Additionally, subsidence of the trough drove uplift of the peripheral bulge (eg. Decelles and Giles, 1996). Figure 4-5 is a conceptual drawing illustrating a simplified underlying structure of the Central West Virginia Arch and how sedimentary facies of the Rhinestreet Member may have been deposited. The maximum thickness of the lower Rhinestreet interval lies in or near the Central West Virginia Arch. There is a closer spatial relationship between the thickness of the Rhinestreet Member and the Central West Virginia Arch than the Rome Trough.

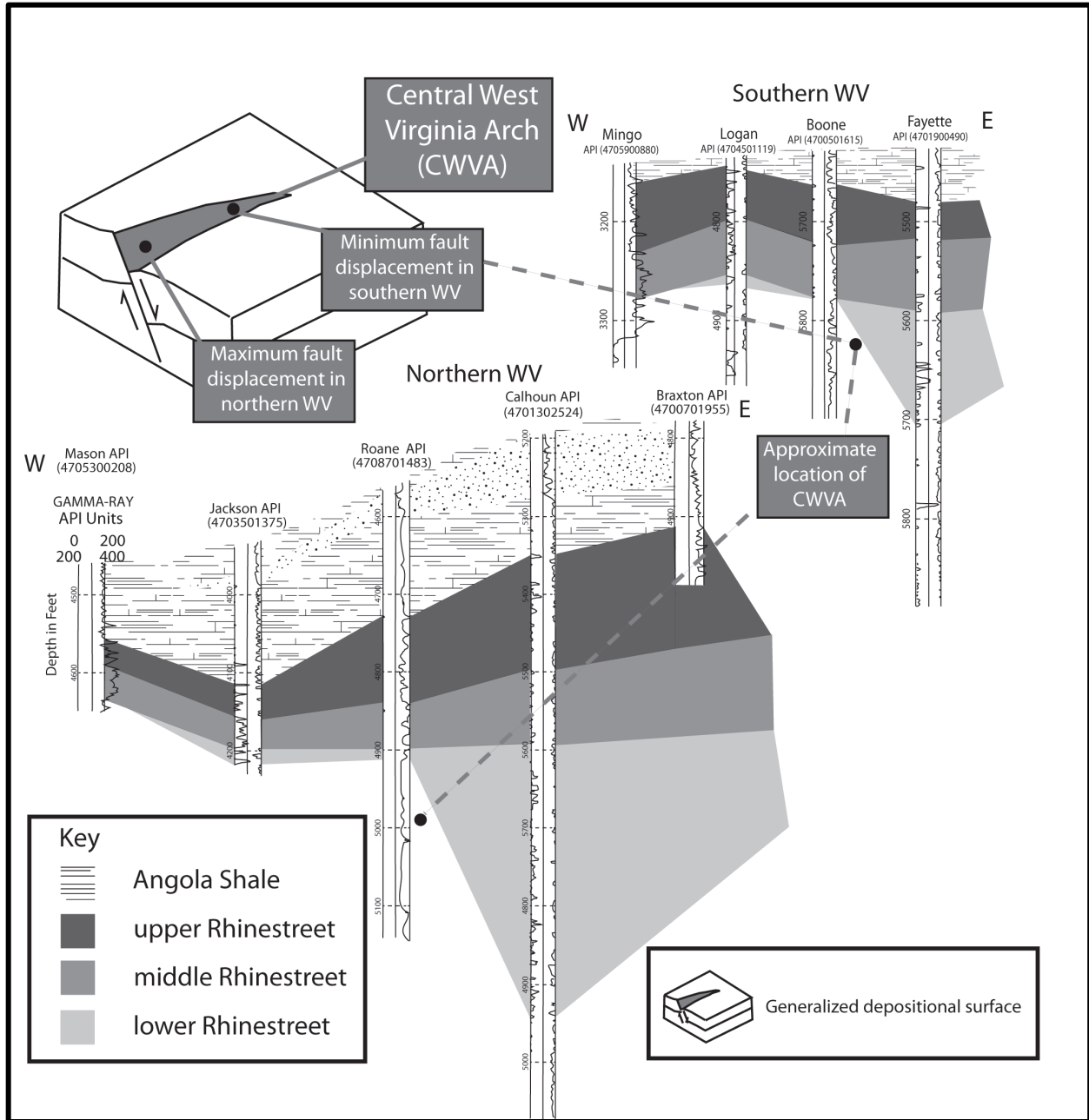


Figure 4 - 5: Structural interpretation of Central West Virginia Arch. Depths are in feet below the land surface.

4.6 Synthesis

Characteristics of the Rhinestreet Member reflect the development and subsequent evolution of a foreland basin system. Early subsidence is recorded by the thickness of the lower Rhinestreet interval, shown by maximum thickness overlying the Central West Virginia Arch.

Once early subsidence ceased, sediments were transported across the basin and account for the uniform thickness of the middle Rhinestreet interval. Overall member thicknesses illustrate the spatial relationship between sedimentation and basement structures like the Central West Virginia Arch.

Collectively, identified informal interval thickness and member thickness complement each other, but all three processes (sea-level, peripheral bulge uplift and/or migration, and subsidence) played a role in the deposition of the West Falls Formation. However, the relative contributions of each process varied through time, as reflected within the strata. Other research has already concluded that the peripheral bulge migration outweighs a sea level signature (eg. Hamilton-Smith, 1993), but little research has looked at the possibility that underlying basement geology and subsidence may have played a substantial role in sedimentation patterns within the West Falls Formation.

5 CONCLUSIONS

5.1 Conclusions

1. The thickness of the Angola Member of the West Falls Formation varies across the Appalachian Foreland Basin. The thickest zone is orientated northwest-southeast and is concentrated in central West Virginia. Sediments were likely delivered towards the foredeep from a southerly or easterly sources associated with the Hawkins Lobe or Augusta Lobe (Figs. 4-1).
2. The Rhinestreet Member of the West Falls Formation has been subdivided into 3 informal intervals. The upper Rhinestreet interval contains discontinuous thin beds of organic-rich shales to organic-poor units, and is thickest in the northern part of West Virginia (Figs. 3-1, 3-2, 3-3, and 3-4). The middle Rhinestreet interval is characterized by organic-rich shales interbedded with minor amounts of organic-poor units and remains the same thickness throughout the entire foredeep (Figs. 3-1, 3-2, 3-3, and 3-5). Lastly, the lower Rhinestreet interval has the same gamma-ray facies characterization as the upper interval, but thins and disappears in the western part of West Virginia (Figs. 3-1, 3-2, 3-3, and 3-6). The thickness variation pattern of the Rhinestreet Member of the West Falls Formation suggests that sediments were derived from the Augusta Lobe near the eastern part of West Virginia (Figs. 4-2).
3. The depositional history of the West Falls Formation can aid in our understanding of changing depositional patterns that may be related to tectonics or associated large- and small-scale sea-level change. Most importantly, the study of the West Falls Formation builds upon previous research focused on understanding the kinematic history of the Acadian and earlier

orogenies. The observed thickness variation of the Rhinestreet cannot solely be accounted for by eustatic sea-level and/or peripheral bulge movement. Reactivation of pre-existing structures strongly influenced sedimentation patterns. Subsidence associated with the reactivation of the Central West Virginia Arch played a large role in the deposition of the West Falls Formation.

References

- Allen, J.R.L. and Friend, P.F., 1968. Deposition of the Catskill facies in the Appalachian region, with notes on some other old red sandstone basins: *In*: Klein, G.D. (Ed.), Late Paleozoic and Mesozoic Continental Sedimentation in Northeastern North America, Geol. Soc. Am. Spec. Publ., Boulder, CO, vol. 106, p. 21– 74.
- Avary K., and Patchen, 2008 WVGS page
(http://www.wvgs.wvnet.edu/www/datastat/Marcellus/Images/WVStratigraphicNomenclature_Marcellus.png), modified from Patchen and Hohn, 1993.
- Baranoski, M.T., 2002. Structure contour map on the Precambrian unconformity surface in Ohio and related basement features: Ohio Division of Geological Survey [Petroleum Geology] Map PG-23, p. 18, 1 sheet, scale 1:500,000.
- Bambach, R. K., 1987. The Ordovician-Silurian unconformity in western Virginia and adjacent West Virginia, *in* Shumaker, R. C., ed., Appalachian Basin Industrial Associates Program Fall meeting 1987, p. 2–14.
- Barrell, J., 1913. The Upper Devonian delta of the Appalachian geosyncline: Part 1. The delta and its relation to the interior sea. American Journal of Science. vol. 36, p. 429– 472.
- Blakey, Ronald, 2008. (<http://jan.ucc.nau.edu/rcb7/namD385.jpg>) modified from Miall, Andrew., D., Blakey., Ronald C. 2008. Phanerozoic Tectonic and Sedimentary Evolution of NA. Sedimentary Basins of the World, vol. 5, p. 1-29.
- Boswell, R.M., 1988. Basin analysis of the Upper Devonian–Lower Mississippian Acadian clastic wedge in northern West Virginia and adjacent areas. Unpublished PhD dissertation, West Virginia University, p. 351.
- Cardwell, D.H., 1977. Present data from 150 West Virginia wells. Includes 1:500,000 40” x 36” Structural Geologic Map of West Virginia, Datum, Top of Ordovician (attributes) p. 38.
- Cardwell, D.H., 1977. West Virginia Gas Development in the Tuscarora and Deeper Formations(with Structural Maps Contoured on Top of Ordovician and Precambrian: West Virginia Geological and Economic Survey, MAP MRS-8 1:500,000 scale map.
- Cardwell, D.H., 1982, Oriskany and Huntersville gas fields of West Virginia with deep well and structural geologic map: West Virginia Geological and Economic Survey Mineral Resources Series MRS-5A, p. 180.
- Castle, J.W., 2001. Appalachian basin stratigraphic response to convergent-margin structural evolution: Basin Research, vol. 13, no. 4, p. 397–418.

Creaney, S., and Passey, Q.R., 1993. Recurring patterns of total organic carbon and source rock quality with a sequence stratigraphic framework: American Association Petroleum Geology Bulletin, vol. 77. p. 386-401.

DeCelles, P. G., and Currie, B. S., 1996. Long-term sediment accumulation in the Middle Jurassic-early Eocene Cordilleran retroarc foreland basin system: *Geology*, vol. 24, p. 591–594.

Decelles, Peter D., and Giles, Katherine A., 1996. Foreland basin systems. *Basin Research*. vol. 8, Issue 2, p. 105-123, June.

Dennison, J. M., 1976. Appalachian Queenston Delta related to eustatic sea-level drop accompanying late Ordovician glaciation centered in Africa: *In* M. G. Basset, ed., *The Ordovician system, Proceedings of the Palaeontological Society of Birmingham, September 1976*, University of Wales Press and Natural Museum of Wales, Cardiff, p. 107–120.

Dennison, J.M. and de Witt, W., 1972. Redbed zone produced by drop of sea-level at beginning of Devonian Cohocton Age delimits Fulton and Augusta lobes of Catskill delta complex: *In*: Dennison, J.M. (Ed.), *Guidebook 37th Annual Conference of Pennsylvania Field Geologists*. Bull. Pa. Geol. Surv., Harrisburg, PA, p. 109-114.

de Witt, Wallace, Jr., 1960. Java formation of Late Devonian age in western and central New York: *Bull. Am. Assoc. Pet. Geol.*, vol. 44, p. 1933-1939.

de Witt, Wallace, Jr., and G.W. Colton, 1959. Revised correlations of lower Upper Devonian rocks in western and central New York: *Bull. American Association. Petroleum Geology*, vol. 43, p. 2810-2828.

Dowse, M.E., 1980. The subsurface stratigraphy of the Middle and Upper Devonian clastic sequence in northwestern West Virginia: Unpublished PhD dissertation. West Virginia University, p. 177.

Embry, A.F., 1993. Transgressive–regressive (T–R) sequence analysis of the Jurassic succession of the Sverdrup basin, Canadian Arctic Archipelago: *Canadian Journal of Earth Sciences* vol. 30, p. 301–320.

Embry, A.F., and Johannessen, E.P., 1992. T–R sequence stratigraphy, facies analysis and reservoir distribution in the uppermost Triassic- Lower Jurassic succession, western Sverdrup basin, Arctic Canada: *In*: Vorren, T.O., Bergsager, E., Dahl-Stamnes, O.A., Holter, E., Johansen, B., Lie, E., and Lund, T.B. (Eds.), *Arctic Geology and Petroleum Potential*, vol. 2 (Special Publication). Norwegian Petroleum Society (NPF), p. 121–146.

Ettensohn, F. R., 1994. Tectonic control on formation and cyclicity of major Appalachian unconformities and associated stratigraphic sequences: *In* J. M. Dennison and F. R. Ettensohn, eds., *Tectonic and Eustatic Controls on Sedimentary Cycles, Concepts in Sedimentology and Paleontology*, no. 4, p. 217–242.

Fertl, W.H., 1982. Gamma-ray spectral logging: a new evaluation frontier—Part III, measuring source rock potential: *World Oil* vol. 196, p. 147– 155.

Filer, J. K., 1985. Oil and gas report and maps of Pleasants, Wood, and Ritchie Counties, West Virginia: *W. Va. Geology Economic Survey Bull. B-11A*, p. 87.

Filer, J. K., 1994. Eustatic and sedimentation cycles in a foreland basin, Appalachian basin: *In*: Dennison, J.M. and Ettensohn, F.R. (Eds.), *Sedimentary Cycle Control—Tectonics Versus Eustasy*, Soc. Econ. Paleontol. Mineral., Concepts Sedimentology Paleontology, vol. 4. SEPM, Tulsa, OK, p. 133– 145.

Filer, J. K., 2002. Late Frasnian sedimentation cycles in the Appalachian basin—possible evidence for high frequency eustatic sea-level changes: *Sedimentary Geology*, vol. 154, p. 31–52.

Gao, D., Shumaker R. C., Wilson T. H., 2000. "Along-axis segmentation and growth history of the Rome trough in the central Appalachian basin." *AAPG bulletin* 84: p. 75-99.

Goodman, W.M. and Brett, C.E., 1994. Roles of eustasy and tectonics in development of Silurian stratigraphic architecture of the Appalachian foreland basin. *In*: Dennison, J.M. and Ettensohn, F.R. (Eds.), *Tectonic and Eustatic Controls on Sedimentary Cycles*. SEPM Concepts in Sedimentology and Paleontology 4, p. 147–169.

Grabau, A.W., 1906. Types of sedimentary overlap: *Geology Society America Bulletin*. vol. 17, p. 629– 632.

Hamilton-Smith, T., 1993. Stratigraphic effects of the Acadian orogeny in the autochthonous Appalachian basin: *In* Roy, D.C. and Skehan, J.W., eds., *The Acadian orogeny: recent studies in New England, Maritime Canada, and the autochthonous foreland*: Geological Society of America, Special Paper 275, p. 153-164.

Hasson, K.G., 1982. Stratigraphy of the Chattanooga Shale, northeastern Tennessee: *Southeast. Geology*. vol. 23, p. 171–185.

Horton, B.K., and DeCelles, P.G., 1997. The modern foreland basin system adjacent to the central Andes: *Geology*, vol. 25, p. 895-898.

Johnson, J.G., Klapper, G., and Sandberg, C.A., 1985. Devonian eustatic fluctuations in Euramerica: *Geology Society America Bulletin* vol. 96, p. 567– 587.

Jordan, T.E., and Flemings, P.B. 1991. Large-scale stratigraphic architecture, eustatic variation, and unsteady tectonism: a theoretical evaluation: *Journal of Geophysics*. vol.96, p. 6681–6699.

Kerans, C., and Fitchen, W.M., 1995. Sequence hierarchy and facies architecture of a carbonate-ramp system: San Andres Formation of Algerita Escarpment and western Guadalupe Mountains, west Texas and New Mexico: *Report of Invest. Texas Bur. Econ. Geol.*, p. 235.

Kulander, B. and Dean, S., 1978. Gravity, Magnetism, and Structure: Allegheny Plateau/Western Valley and Ridge in West Virginia and Adjacent States: West Virginia Geological and Economic Survey Report of Investigations RI-27, p. 91.

Kulander, B.R., and Dean, S.L., 1986. Structure and tectonics of central and southern Appalachian Valley and Ridge and Plateau provinces, West Virginia and Virginia: American Association of Petroleum Geologists Bulletin, vol. 70, no. 11, p. 1674–1684.

Kulander, C.S., and Ryder, R.T., 2005. Seismic lines across the Rome trough and Allegheny Plateau of northern West Virginia, western Maryland, and southwestern Pennsylvania: U.S. Geological Survey Geologic Investigations Series Map I-2791, 2 sheets, p. 9.

Lash, G.G., and Blood, D.R., 2007, Origin of early overpressure in the Upper Devonian Catskill Delta Complex, western New York state: *Basin Research*, v. 19, p. 51-66.

Lash, G.G., and Engelder, T., 2007. Jointing within the outer arc of a forebulge at the onset of the Alleghanian Orogeny: *Journal of Structural Geology*, v. 29, p. 774-786.

McGuire, W. H., and Howell, P., 1963. Oil and gas possibilities of the Cambrian and Lower Ordovician in Kentucky: Lexington, Ky., Spindletop Research Center, p. 216.

Neal, D., 1979. Subsurface stratigraphy of the Middle and Upper Devonian clastic sequence in southern West Virginia and its relation to gas production: Unpublished PhD dissertation, West Virginia University, p. 142.

Patchen, D. G., 1977. Subsurface Stratigraphy and Gas Production of the Devonian Shales in West Virginia: MERC/CR-77/5, Morgantown, West Virginia, p. 33.

Patchen, D.G., Avari, K.L., and Erwin, R.B., 1985. Correlation of stratigraphic units in North America—Northern Appalachian region correlation chart: American Association Petroleum Geology.

Patchen, D.G., and Hohn M. Ed., 1993. Production and production controls in Devonian shales, West Virginia, *In* Roen, J.B., and Kepferle, R.C., eds., 1993, Petroleum geology of the Devonian and Mississippian black shale of eastern North America: U.S. Geological Survey Bulletin 1909, p. 1-28.

Piotrowski, R.G., and Harper, J.A., 1979. Black shale and sandstone facies of the Devonian “Catskill” clastic wedge in the subsurface of western Pennsylvania. U. S. Dep. Energy, Eastern Gas Shales Project, vol. 13, p. 40.

Pirouz, M., Simpson, G., Bahroubi, A. and Azhdara, A., 2011. Neogene sediments and modern depositional environments of the Zagros foreland basin system: *Geological Magazine* vol. 148, p. 838–53.

Rider, M.H., 1986. The Geological Interpretation of Well Logs: Blackie and Son, Limited, Glasgow, p. 175.

Ryder, Robert T., Robert D. Crangle, Jr., Michael H. Trippi, Christopher S. Swezey, Erika E. Lentz, Elisabeth L. Rowan, and Rebecca S. Hope, 2009. Geologic Cross Section D–D' through the Appalachian Basin from the Findlay Arch, Sandusky County, Ohio, to the Valley and Ridge Province, Hardy County, West Virginia: U.S. Geological Survey, Reston, Virginia. (http://pubs.usgs.gov/sim/3067/pdf/sim3067_pamphlet.pdf).

Scanlin, M.A, and Engelder, T., 2003. The basement versus the no-basement hypothesis for doling with the Appalachian Plateau Detachment Sheet: American journal of Science, vol. 303, p. 519-563.

Shumaker, R. C., 1996. Structural history of the Appalachian basin, *In* Roen, J.B. and Walker, B.J., eds., The atlas of major Appalachian gas plays: West Virginia Geological and Economic Survey Publication, Vol. V- 25, p. 8–21.

Shumaker, R. C., and T. H. Wilson, 1996. Basement structure of the Appalachian foreland in West Virginia: its style and affect on sedimentation: *In* B. A. van der Pluijm and P. A. Catacosinos, eds., Basement and basins of eastern North America: Geological Society of America Special Paper 308, p. 141–155.

Tankard, A.J., 1986. On the depositional response to thrusting and lithospheric flexure: examples from the Appalachian and Rocky Mountain basins: *In*: P. A.Allen & P. Homewood , eds., Foreland Basins, Spec. Publ. Int. Ass. Sediment., no 8, p. 369–392.

Van Wagoner, J.C., Mitchum, R.M., Campion, K.M. and Rahmanian, V.D., 1990. Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops: Concepts for High-Resolution Correlation of Time and Facies: American Association Petroleum Geology Methods Exploration Ser., 7, p. 55.

Walker, R.G., 1971. Nondeltaic depositional environments in the Catskill clastic wedge (Upper Devonian) of central Pennsylvania: Geology Society America Bulletin. vol. 82, p. 1305– 1326.

Walker, R.G., and Harms, J.C., 1971. The “Catskill Delta”—a prograding muddy shoreline in central Pennsylvania: Journal of Geology, vol. 79, p. 381– 399.

Walker, R.G.,and Sutton, R.G., 1967. Quantitative analysis of turbidites in the Upper Devonian Sonyea Group, New York: J. Sedimentary Petrology, vol. 37, p. 1012–1022.

Willard, B., 1934. Early Chemung shoreline in Pennsylvania: Geology Society America Bulletin vol. 45, p. 897–907.

Willis, B.J., and Bridge, J.S., 1988. Evolution of Catskill river systems: *In*: McMillan, N.J., Embry, A.F., and Glass, D.J. , eds., Devonian of the World. Canada Society Petroleum Geology, vol. II, p. 85– 106.

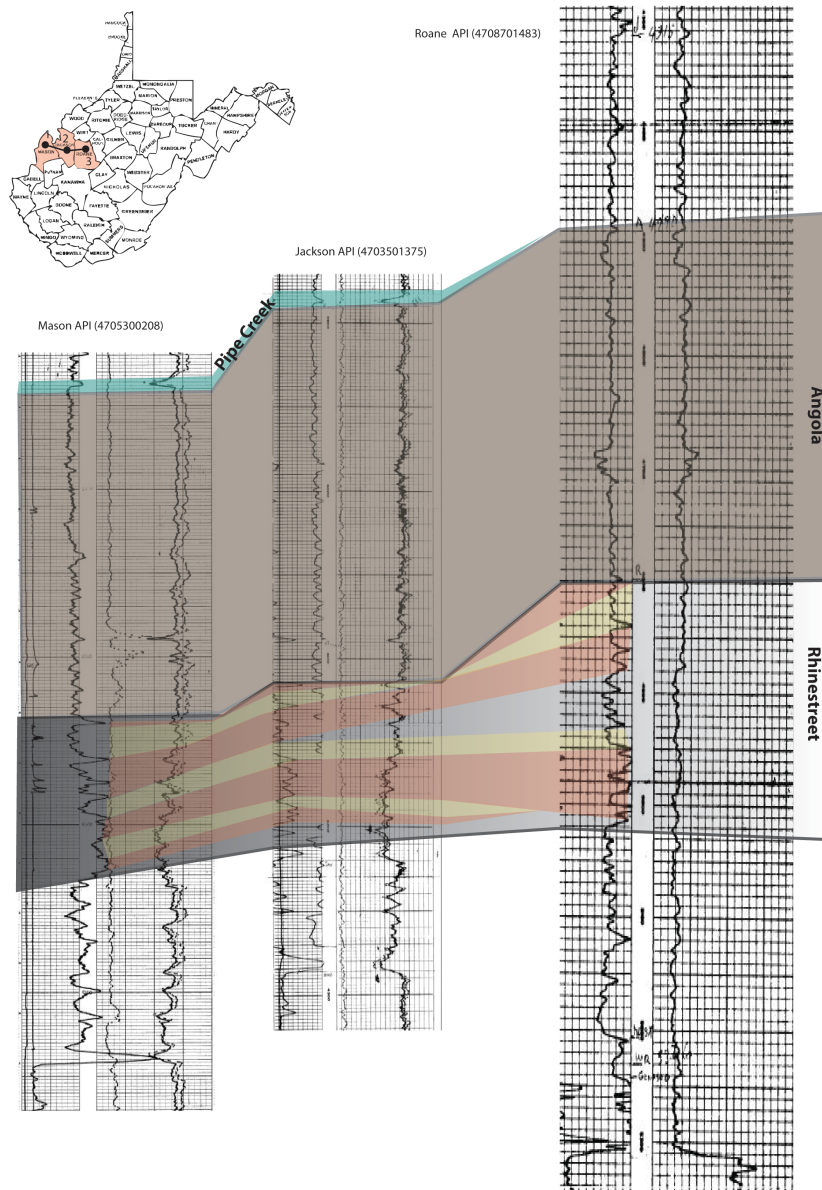
Woodrow, D.L., Dennison, J.M., Ettensohn, F.R., Sevon, W.T., and Kirchgasser, W.T., 1988. Middle and Upper Devonian stratigraphy and paleogeography of the central and southern Appalachians and eastern Midcontinent, U.S.A.: *In*: McMillan, N.J., Embry, A.F., and Glass, D.J., eds., *Devonian of the World*, Canada Society Petroleum Geology, vol. 14, p. 277–301.

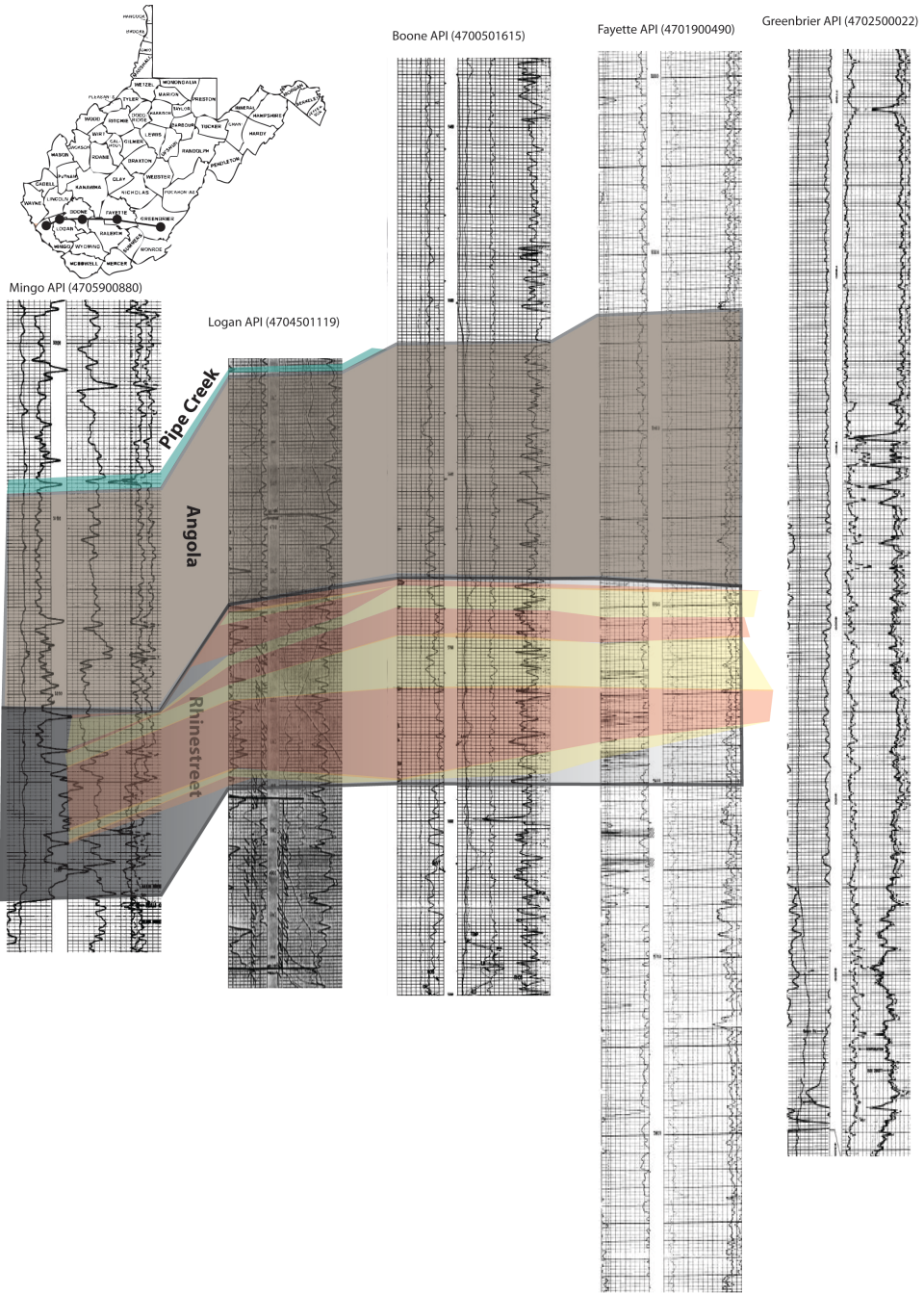
Woodward, H.P., 1961. Preliminary subsurface study of southeastern Appalachian interior plateau: *American Association of Petroleum Geologists Bulletin*, vol. 45, no. 10, p. 1634–1655.

Zielinski, R.E., and McIver, R.D., 1982. Resource and exploration assessment of the oil and gas potential in the Devonian shales of the Appalachian Basin: U.S. Department of Energy Morgantown Energy Technology Center MLM-MU-82-61-0002, DOE/DP/00531125, p. 326.

Appendix I: Cross Sections

Appendix I: is composed of stratigraphic cross-section used in this study. Rhinestreet Member has been broken into correlative units as with Filer (2002). Vertical Axes are in feet while the horizontal axes arbitrary. Generalized location map is found above each cross-section





Appendix II: Data compilation of intervals

Picks for the upper, middle and lower Rhinestreet intervals.

Datum: NAD83

u= upper Rhinestreet, m= middle Rhinestreet, l= lower Rhinestreet, WHE= well head elevation.

County	u	u end	m	m end	l	l end	Latitude	Longitude	WHE	Permit
Boone	4900		4975	5035	0	0	37.963413	-81.793134	1071	1056
Braxton	4931	4955	4955	cut	cut	cut	38.736896	-80.941122	784	1955
Cabell	3142		3200	3240	0	0	38.426366	-82.340211	584	524
Calhoun	5355		5622		5675	5990	38.760576	-81.079657	1219	2524
Clay	5209		5261		5318	5540	38.533202	-81.143675	1196	2500
Fayette	5574		5782		5865	5900	38.113797	-80.984957	1689	458
Gilmer	5048		5170		5239	5360	38.921439	-80.996778	712	4343
Jackson	4044		4122	4173	0	0	38.995112	-81.735836	630	1555
Kanawha	4605		4711	4770	0	0	38.519117	-81.626177	972	504
Logan	5100		5222	5265	0	0	37.706306	-81.947466	1391	379
Lincoln	3655		3680	3732	0	0	38.218432	-82.12329	885	1617
Mason	0	0	3220	3310	0	0	38.713971	-82.117072	609	69
McDowell	5930		5972		6052	6180	37.499385	-81.878117	1687	1151
Mingo	3616		3645	3720	0	0	37.904437	-82.16927	958	805
Pleasants	5209		5435		5483	5536	39.448113	-81.081151	974	955
Putnam	4322		4342	4400	0	0	38.519313	-81.779416	623	207
Raleigh	5590		5761		5825	5946	37.967743	-81.453858	1532	342
Ritchie	4880		5070		5180	5260	39.238194	-81.257038	1006	1256

Roane	4520	4690	4749	4850	38.5377	-81.272744	675	714
Taylor	5410	5800	5860	5970	39.366573	-80.851009	967	427
Wirt	4680	4730	4820	5010	38.928325	-81.291085	763	587
Wood	4422	4565	4650	4690	39.189036	-81.446431	633	469
Wyoming	5572	5695	5732	5828	37.740242	-81.578366	1581	688

Appendix III: Data compilation, thickness of Angola.

Picks for the Angola Member.

Datum: NAD83

Member	Latitude	Longitude	API	Thickness
Angola Fm	37.40491	-81.906471	4704701567	178
Angola Fm	37.406652	-81.913019	4704701564	243
Angola Fm	37.40941	-81.919032	4704701566	230
Angola Fm	37.410861	-81.90738	4704701565	182
Angola Fm	37.421033	-81.932675	4704701801	186
Angola Fm	37.424516	-81.889735	4704701412	205
Angola Fm	37.430757	-81.927581	4704701512	186
Angola Fm	37.432789	-81.890099	4704701413	220
Angola Fm	37.472714	-81.872262	4704701753	222
Angola Fm	37.491001	-81.944547	4704700618	204
Angola Fm	37.492089	-81.857711	4704701754	188
Angola Fm	37.505382	-81.912536	4704701787	200
Angola Fm	37.510607	-81.903608	4704701647	211
Angola Fm	37.515397	-81.876458	4704701667	193
Angola Fm	37.51917	-81.868865	4704701666	194
Angola Fm	37.519606	-81.885568	4704701646	209
Angola Fm	37.538909	-81.833212	4710901961	217
Angola Fm	37.53978	-81.897777	4705901536	209
Angola Fm	37.540506	-81.886844	4705901526	193
Angola Fm	37.551983	-81.8832	4705901524	215
Angola Fm	37.552999	-81.820457	4710902059	210
Angola Fm	37.555612	-81.753827	4710902263	238
Angola Fm	37.556918	-81.844813	4710902045	253
Angola Fm	37.560111	-81.885933	4705901471	198
Angola Fm	37.560837	-81.75492	4710902264	220
Angola Fm	37.564175	-81.860119	4705901416	218
Angola Fm	37.565772	-82.029337	4705901386	206
Angola Fm	37.566062	-81.964711	4705901557	190
Angola Fm	37.571287	-81.961795	4705901552	194
Angola Fm	37.573754	-81.859937	4705901415	221
Angola Fm	37.574044	-81.952199	4705901554	194
Angola Fm	37.575931	-81.96708	4705901440	202
Angola Fm	37.576222	-81.960155	4705901441	191
Angola Fm	37.577092	-81.777697	4710901809	222
Angola Fm	37.578689	-81.946732	4705901558	192
Angola Fm	37.58014	-81.854288	4705901407	213
Angola Fm	37.581737	-81.954203	4705901553	176
Angola Fm	37.584361	-81.943088	4705901559	195
Angola Fm	37.585232	-81.853741	4705901224	220
Angola Fm	37.587699	-81.947643	4705901556	197
Angola Fm	37.587844	-81.95639	4705901560	179
Angola Fm	37.590959	-81.942052	4705900666	86
Angola Fm	37.591328	-81.877369	4705901408	222
Angola Fm	37.592344	-81.593902	4710901624	268
Angola Fm	37.59365	-81.94655	4705901555	201
Angola Fm	37.594231	-81.868501	4705901466	225
Angola Fm	37.595827	-81.93999	4705901580	194

Angola Fm	37.596408	-81.834244	4705901337	209
Angola Fm	37.59931	-82.122692	4705901295	204
Angola Fm	37.599601	-82.116314	4705901273	194
Angola Fm	37.599746	-81.880831	4705901409	220
Angola Fm	37.601633	-81.844995	4705901431	229
Angola Fm	37.603374	-81.829385	4705901199	263
Angola Fm	37.607293	-81.871598	4705901467	211
Angola Fm	37.607438	-82.129009	4705901294	123
Angola Fm	37.610051	-81.925838	4705901483	200
Angola Fm	37.611502	-82.004009	4705900664	194
Angola Fm	37.612518	-81.776603	4710901900	258
Angola Fm	37.613099	-82.008382	4705901474	174
Angola Fm	37.613244	-81.784803	4710901899	246
Angola Fm	37.615276	-81.828292	4705901262	255
Angola Fm	37.616582	-81.769315	4710901901	242
Angola Fm	37.616727	-82.146501	4705901278	181
Angola Fm	37.617453	-82.10775	4705901288	180
Angola Fm	37.617743	-81.818999	4705901261	235
Angola Fm	37.618469	-81.818999	4705901330	240
Angola Fm	37.620936	-82.044035	4705901384	206
Angola Fm	37.622823	-82.127369	4705901289	79
Angola Fm	37.622823	-81.818999	4705900856	234
Angola Fm	37.624419	-81.79768	4710902086	247
Angola Fm	37.625157	-81.784496	4710902103	252
Angola Fm	37.629366	-81.810101	4705901362	239
Angola Fm	37.630237	-82.181451	4705901417	177
Angola Fm	37.631253	-81.738997	4710902322	282
Angola Fm	37.631608	-81.87895	4705900641	240
Angola Fm	37.63314	-82.132483	4705901296	194
Angola Fm	37.634736	-81.863449	4705901352	220
Angola Fm	37.635317	-81.779386	4710901821	271
Angola Fm	37.635607	-82.137959	4705901274	192
Angola Fm	37.636913	-81.731148	4710902340	233
Angola Fm	37.63898	-81.850545	4705900850	220
Angola Fm	37.641848	-81.815577	4705901331	261
Angola Fm	37.643735	-81.846475	4705900808	218
Angola Fm	37.648379	-81.838261	4705900983	174
Angola Fm	37.64954	-81.880476	4705901283	226
Angola Fm	37.65175	-81.903932	4705900786	200
Angola Fm	37.652298	-81.74283	4710902171	288
Angola Fm	37.653749	-81.758031	4710900345	252
Angola Fm	37.654185	-81.804078	4705901354	238
Angola Fm	37.655491	-81.834246	4705901035	231
Angola Fm	37.656652	-81.775188	4710900459	245
Angola Fm	37.658249	-81.723848	4710902170	64
Angola Fm	37.658684	-81.807546	4705901353	234
Angola Fm	37.659119	-81.829448	4705901308	228
Angola Fm	37.659845	-82.227315	4705901316	151
Angola Fm	37.662022	-81.774823	4710900435	236

Angola Fm	37.662458	-81.836984	4705901364	223
Angola Fm	37.663038	-81.817585	4704501369	227
Angola Fm	37.663764	-81.760404	4710901886	249
Angola Fm	37.665506	-81.808824	4704500705	233
Angola Fm	37.665651	-82.034861	4705901439	191
Angola Fm	37.666086	-81.715999	4710902148	257
Angola Fm	37.667694	-81.76953	4710902006	246
Angola Fm	37.66871	-82.229141	4705901317	152
Angola Fm	37.669872	-81.883944	4704501320	213
Angola Fm	37.671613	-81.833516	4704501458	243
Angola Fm	37.672049	-81.749218	4710901913	296
Angola Fm	37.672049	-81.706456	4710902147	261
Angola Fm	37.672919	-81.958881	4704501449	196
Angola Fm	37.674081	-81.814847	4704500703	241
Angola Fm	37.675677	-81.881571	4704501099	222
Angola Fm	37.676693	-81.722205	4710902146	305
Angola Fm	37.677128	-81.703901	4710902150	280
Angola Fm	37.677564	-81.828536	4704501447	223
Angola Fm	37.679886	-81.961254	4704501428	203
Angola Fm	37.681483	-82.065394	4705901621	137
Angola Fm	37.683079	-81.822513	4704501470	232
Angola Fm	37.683805	-81.696418	4710902151	283
Angola Fm	37.684095	-81.726038	4710902166	236
Angola Fm	37.684385	-81.702441	4710902174	276
Angola Fm	37.685256	-81.958516	4704500368	202
Angola Fm	37.686417	-82.006206	4704501425	214
Angola Fm	37.687869	-81.719832	4710902169	252
Angola Fm	37.68874	-81.713444	4710902164	244
Angola Fm	37.68961	-82.072148	4705901623	39
Angola Fm	37.689901	-81.889602	4704501232	250
Angola Fm	37.691352	-81.821965	4704501467	224
Angola Fm	37.691497	-81.690759	4710902179	268
Angola Fm	37.692513	-81.911322	4704501311	213
Angola Fm	37.695271	-81.789242	4704501363	255
Angola Fm	37.695997	-81.825433	4704501466	229
Angola Fm	37.698464	-81.747028	4704500272	277
Angola Fm	37.698609	-81.780298	4704501455	238
Angola Fm	37.698754	-82.293857	4705901359	74
Angola Fm	37.69977	-81.947878	4704501495	130
Angola Fm	37.700351	-81.911322	4704501266	234
Angola Fm	37.701222	-81.804443	4704501446	257
Angola Fm	37.701367	-81.862902	4704501588	216
Angola Fm	37.701512	-81.751643	4704500282	228
Angola Fm	37.702237	-82.013689	4704501303	199
Angola Fm	37.702237	-81.900553	4704501256	235
Angola Fm	37.703399	-81.768252	4704501469	245
Angola Fm	37.703979	-81.848848	4704501403	275
Angola Fm	37.70485	-81.906759	4704501438	210
Angola Fm	37.704995	-81.891792	4704501318	214

Angola Fm	37.705576	-81.750913	4704501497	256
Angola Fm	37.707608	-81.940577	4704501338	205
Angola Fm	37.708043	-81.718554	4704501484	261
Angola Fm	37.70849	-81.97184	4704501252	234
Angola Fm	37.708635	-81.914059	4704501267	237
Angola Fm	37.708781	-81.828171	4704501571	204
Angola Fm	37.709216	-81.84392	4704501293	227
Angola Fm	37.709361	-81.900553	4704501265	222
Angola Fm	37.709651	-81.725308	4704501496	242
Angola Fm	37.711828	-81.838991	4704501547	237
Angola Fm	37.712264	-81.885221	4704501292	238
Angola Fm	37.712699	-81.861989	4704501347	215
Angola Fm	37.71328	-81.89453	4704501304	209
Angola Fm	37.714441	-81.827076	4704501572	250
Angola Fm	37.717779	-81.838444	4704501546	266
Angola Fm	37.718505	-81.832551	4704501335	231
Angola Fm	37.719085	-81.886499	4704501272	242
Angola Fm	37.719478	-82.294146	4705900914	250
Angola Fm	37.719811	-82.004928	4704501493	210
Angola Fm	37.719811	-81.8938	4704501263	236
Angola Fm	37.720827	-82.079813	4704501479	176
Angola Fm	37.722569	-81.935831	4704501337	210
Angola Fm	37.722569	-81.853593	4704501346	162
Angola Fm	37.722569	-81.838809	4704501345	216
Angola Fm	37.722714	-82.284314	4705900915	156
Angola Fm	37.723149	-82.072878	4704501478	191
Angola Fm	37.724746	-82.028291	4704501534	195
Angola Fm	37.725326	-82.04052	4704501494	196
Angola Fm	37.726052	-81.888507	4704501262	181
Angola Fm	37.726176	-82.270669	4705900955	155
Angola Fm	37.727503	-81.934006	4704501343	210
Angola Fm	37.728084	-82.070687	4704501536	193
Angola Fm	37.730261	-81.923785	4704501260	228
Angola Fm	37.731132	-82.00438	4704501551	209
Angola Fm	37.732438	-81.941672	4704501288	320
Angola Fm	37.733454	-82.070322	4704501477	193
Angola Fm	37.735486	-82.267367	4705900919	160
Angola Fm	37.737953	-81.938569	4704501415	204
Angola Fm	37.738824	-82.07306	4704501535	93
Angola Fm	37.742017	-81.933094	4704501414	218
Angola Fm	37.742743	-81.963444	4704501309	203
Angola Fm	37.74463	-82.25292	4705900918	159
Angola Fm	37.74492	-82.16552	4705901085	181
Angola Fm	37.745065	-82.158219	4705901093	178
Angola Fm	37.746226	-81.714539	4710900200	245
Angola Fm	37.747388	-81.701346	4710900318	233
Angola Fm	37.747484	-81.944822	4704501583	195
Angola Fm	37.748113	-82.161504	4705901090	177
Angola Fm	37.75	-82.051158	4704501533	198

Angola Fm	37.750248	-82.155432	4705901039	180
Angola Fm	37.750532	-81.881841	4704501584	214
Angola Fm	37.751028	-82.166136	4705901086	175
Angola Fm	37.752479	-82.257679	4705900956	158
Angola Fm	37.754947	-81.694822	4710900254	233
Angola Fm	37.75517	-82.15379	4705901038	178
Angola Fm	37.755237	-81.93824	4704501443	216
Angola Fm	37.755382	-82.148768	4705901031	183
Angola Fm	37.756833	-82.036566	4704501283	208
Angola Fm	37.75872	-81.93239	4704501336	242
Angola Fm	37.759537	-82.162011	4705901030	177
Angola Fm	37.759736	-82.177819	4705901287	173
Angola Fm	37.759881	-81.941531	4704501329	134
Angola Fm	37.761677	-82.155308	4705901016	175
Angola Fm	37.76351	-81.950307	4704501330	224
Angola Fm	37.76409	-82.1612	4705901087	178
Angola Fm	37.764381	-81.908457	4704501550	218
Angola Fm	37.764417	-82.147811	4705900982	175
Angola Fm	37.765397	-81.92526	4704501355	250
Angola Fm	37.767138	-82.113683	4705901025	186
Angola Fm	37.767187	-82.154457	4705901040	178
Angola Fm	37.768009	-82.103993	4705901024	184
Angola Fm	37.76859	-82.021208	4704501457	197
Angola Fm	37.769315	-81.954146	4704501444	206
Angola Fm	37.769315	-81.909372	4704501450	222
Angola Fm	37.769329	-82.147114	4705900981	129
Angola Fm	37.770331	-81.943908	4704501448	208
Angola Fm	37.770912	-82.273585	4705900950	153
Angola Fm	37.772218	-82.129571	4705900986	190
Angola Fm	37.772218	-81.669775	4710901804	254
Angola Fm	37.772653	-82.115877	4705900953	185
Angola Fm	37.772898	-82.142704	4705900978	177
Angola Fm	37.77425	-82.231735	4705900980	161
Angola Fm	37.775411	-82.059949	4704501289	209
Angola Fm	37.775482	-82.137515	4705900958	180
Angola Fm	37.775847	-81.774499	4704501561	276
Angola Fm	37.776427	-81.898585	4704501585	203
Angola Fm	37.777153	-81.723508	4704501280	229
Angola Fm	37.777338	-82.118669	4705900954	174
Angola Fm	37.777878	-82.272671	4705900951	150
Angola Fm	37.778096	-82.141398	4705900961	179
Angola Fm	37.778459	-81.924163	4704501539	152
Angola Fm	37.780043	-82.145801	4705900957	178
Angola Fm	37.780056	-81.755119	4704501573	217
Angola Fm	37.780201	-81.731552	4704501364	243
Angola Fm	37.780491	-81.740877	4704501426	247
Angola Fm	37.781324	-82.127867	4705900975	181
Angola Fm	37.781792	-82.11684	4705900969	187
Angola Fm	37.782958	-81.708699	4704501420	256

Angola Fm	37.783809	-82.14231	4705900962	180
Angola Fm	37.784467	-82.147612	4705900966	180
Angola Fm	37.784712	-82.114093	4705900970	189
Angola Fm	37.784845	-81.734661	4704501419	145
Angola Fm	37.785716	-81.728079	4704501563	220
Angola Fm	37.786035	-82.121685	4705900977	184
Angola Fm	37.787087	-82.128072	4705900976	186
Angola Fm	37.787313	-81.919775	4704501492	213
Angola Fm	37.787838	-81.673175	4704501085	267
Angola Fm	37.787838	-81.673175	4704501085	297
Angola Fm	37.791086	-81.721131	4704501418	251
Angola Fm	37.795594	-82.198934	4705901000	166
Angola Fm	37.795597	-82.036748	4704501297	211
Angola Fm	37.796981	-82.204963	4705900999	162
Angola Fm	37.797685	-82.217235	4705900993	162
Angola Fm	37.799989	-82.211209	4705900998	164
Angola Fm	37.800387	-81.673248	4704501317	252
Angola Fm	37.800677	-82.200855	4705901007	164
Angola Fm	37.800904	-82.196444	4705901006	168
Angola Fm	37.801838	-82.138164	4705901088	180
Angola Fm	37.802128	-82.092658	4704501356	190
Angola Fm	37.802274	-82.023585	4704501290	204
Angola Fm	37.802994	-82.212614	4705900996	161
Angola Fm	37.804015	-82.131765	4705901062	181
Angola Fm	37.804306	-82.126097	4705901063	183
Angola Fm	37.804515	-82.169147	4705901072	173
Angola Fm	37.804741	-82.145477	4705901050	174
Angola Fm	37.805031	-82.071285	4704501251	197
Angola Fm	37.805467	-82.052636	4704501545	193
Angola Fm	37.805633	-82.197623	4705901008	167
Angola Fm	37.806047	-82.164125	4705901052	216
Angola Fm	37.806047	-82.08699	4704501326	175
Angola Fm	37.806483	-82.02779	4704501537	197
Angola Fm	37.806628	-82.15151	4705901057	177
Angola Fm	37.807934	-82.09668	4704501362	190
Angola Fm	37.807996	-82.171969	4705901051	182
Angola Fm	37.808805	-82.125914	4705901064	221
Angola Fm	37.80895	-82.145494	4705901078	180
Angola Fm	37.80924	-82.078049	4704501322	203
Angola Fm	37.809664	-82.204693	4705901005	160
Angola Fm	37.810256	-82.159372	4705901055	170
Angola Fm	37.810401	-82.138346	4705901065	179
Angola Fm	37.810401	-82.132679	4704501086	175
Angola Fm	37.810904	-82.199127	4705901004	163
Angola Fm	37.811417	-81.735758	4704501371	240
Angola Fm	37.811552	-82.167608	4705901048	170
Angola Fm	37.813014	-82.173614	4705901091	169
Angola Fm	37.813014	-82.070736	4704501323	202
Angola Fm	37.813101	-81.934357	4704500460	151

Angola Fm	37.813885	-82.145842	4705901092	177
Angola Fm	37.81432	-82.010787	4704501531	202
Angola Fm	37.814756	-82.081157	4704501358	118
Angola Fm	37.814901	-82.160469	4705901060	269
Angola Fm	37.815336	-82.139261	4705901077	178
Angola Fm	37.815481	-82.151327	4705901058	174
Angola Fm	37.815481	-81.659554	4704501439	259
Angola Fm	37.815626	-82.091743	4704501357	189
Angola Fm	37.816078	-82.063764	4704500125	200
Angola Fm	37.816497	-82.168599	4705901047	172
Angola Fm	37.816497	-82.134141	4705901066	180
Angola Fm	37.816642	-82.207254	4705901042	164
Angola Fm	37.817803	-82.048248	4704501277	197
Angola Fm	37.818529	-82.142551	4705901076	178
Angola Fm	37.818613	-82.102126	4704500155	200
Angola Fm	37.818674	-82.21199	4705901046	160
Angola Fm	37.818965	-82.155167	4705901059	175
Angola Fm	37.818965	-82.155167	4705901059	274
Angola Fm	37.818988	-82.173547	4705901045	172
Angola Fm	37.81911	-81.707254	4700501701	296
Angola Fm	37.819835	-82.095766	4704501306	200
Angola Fm	37.819835	-82.088453	4704501543	164
Angola Fm	37.820271	-82.148402	4705901079	176
Angola Fm	37.822012	-82.135056	4705901074	179
Angola Fm	37.822188	-82.183853	4705901049	167
Angola Fm	37.823028	-81.722777	4700501412	278
Angola Fm	37.823319	-82.030898	4704501529	199
Angola Fm	37.823319	-81.973874	4704501282	221
Angola Fm	37.823609	-82.140175	4705901075	179
Angola Fm	37.823754	-82.153338	4705901068	173
Angola Fm	37.824042	-82.179041	4705901043	168
Angola Fm	37.82419	-81.701221	4700501700	310
Angola Fm	37.82448	-81.693542	4700501720	288
Angola Fm	37.824915	-82.147488	4705901061	176
Angola Fm	37.82506	-82.088087	4704501544	190
Angola Fm	37.825496	-82.012249	4704501530	203
Angola Fm	37.826657	-82.135238	4705901082	188
Angola Fm	37.828689	-81.310315	4708100289	382
Angola Fm	37.82986	-82.191414	4705900984	177
Angola Fm	37.830576	-82.140358	4705901083	174
Angola Fm	37.831447	-82.054647	4704501522	193
Angola Fm	37.832027	-82.048248	4704501523	168
Angola Fm	37.832898	-81.668678	4700501693	260
Angola Fm	37.834428	-82.194703	4705900985	161
Angola Fm	37.834651	-82.181841	4705900990	182
Angola Fm	37.834797	-82.142734	4705901084	174
Angola Fm	37.835522	-82.052088	4704501261	206
Angola Fm	37.837264	-82.074027	4704501517	95
Angola Fm	37.837554	-81.729541	4700501848	257

Angola Fm	37.83799	-82.065251	4704501521	192
Angola Fm	37.838135	-82.120265	4704501518	132
Angola Fm	37.838425	-81.708169	4700501722	290
Angola Fm	37.838715	-82.08571	4704501270	200
Angola Fm	37.839151	-82.102713	4704501587	169
Angola Fm	37.841183	-82.077318	4704501273	201
Angola Fm	37.841322	-82.185485	4705900973	163
Angola Fm	37.841473	-82.070005	4704501274	198
Angola Fm	37.842502	-82.354049	4705900917	128
Angola Fm	37.844521	-82.102347	4704501269	236
Angola Fm	37.845247	-82.087356	4704501541	180
Angola Fm	37.845247	-81.897122	4704501582	337
Angola Fm	37.846843	-82.065434	4704501278	209
Angola Fm	37.847133	-82.073113	4704501279	121
Angola Fm	37.847133	-82.073113	4704501279	193
Angola Fm	37.848004	-82.097228	4704501540	184
Angola Fm	37.84844	-81.696468	4700501792	255
Angola Fm	37.849177	-82.208612	4705900923	158
Angola Fm	37.849746	-81.717109	4700501684	152
Angola Fm	37.850907	-81.72881	4700501773	278
Angola Fm	37.85187	-82.057842	4704500106	185
Angola Fm	37.852358	-82.085162	4704501515	195
Angola Fm	37.852939	-81.750731	4700501954	300
Angola Fm	37.855987	-81.722045	4700501795	258
Angola Fm	37.856277	-81.729176	4700501772	257
Angola Fm	37.857003	-81.68824	4700501683	286
Angola Fm	37.857148	-81.715829	4700501791	246
Angola Fm	37.858793	-82.217946	4705900929	159
Angola Fm	37.860196	-81.693908	4700501790	268
Angola Fm	37.860486	-82.09668	4704501397	175
Angola Fm	37.862518	-81.688058	4700501774	272
Angola Fm	37.862535	-82.2963	4705900936	134
Angola Fm	37.862808	-81.711807	4700501691	278
Angola Fm	37.864452	-82.225796	4705900863	141
Angola Fm	37.864985	-82.094669	4704501275	206
Angola Fm	37.865856	-81.163577	4708100688	350
Angola Fm	37.869049	-81.707803	4700501592	296
Angola Fm	37.870065	-82.059949	4704501456	192
Angola Fm	37.875302	-82.033148	4704501416	196
Angola Fm	37.876463	-81.95714	4704501510	237
Angola Fm	37.877044	-82.065108	4704501393	190
Angola Fm	37.877624	-82.049358	4704501491	193
Angola Fm	37.881833	-82.074448	4704501391	186
Angola Fm	37.883575	-82.26227	4705900879	150
Angola Fm	37.884301	-82.094322	4704501352	183
Angola Fm	37.886081	-82.284273	4705900916	152
Angola Fm	37.88791	-82.298271	4705900289	131
Angola Fm	37.888569	-82.419773	4709900388	69
Angola Fm	37.889235	-82.087179	4704501351	182

Angola Fm	37.889816	-82.068405	4704501399	189
Angola Fm	37.889867	-82.395258	4709901581	72
Angola Fm	37.891267	-82.076829	4704501240	185
Angola Fm	37.891412	-81.841575	4704500287	200
Angola Fm	37.892283	-82.394046	4709900465	76
Angola Fm	37.89896	-82.075364	4704501349	186
Angola Fm	37.901137	-81.920696	4704501051	228
Angola Fm	37.901427	-82.067855	4704501348	184
Angola Fm	37.90433	-82.169414	4705900805	164
Angola Fm	37.905201	-81.936079	4704501559	172
Angola Fm	37.913183	-82.409064	4709901728	67
Angola Fm	37.920742	-81.932233	4704500864	230
Angola Fm	37.923355	-81.879029	4704501102	200
Angola Fm	37.924226	-81.908514	4704501091	202
Angola Fm	37.924806	-81.898991	4704501511	160
Angola Fm	37.930559	-82.409089	4709901607	70
Angola Fm	37.934978	-81.992397	4704501500	200
Angola Fm	37.938885	-81.52509	4708100102	300
Angola Fm	37.941788	-81.376099	4708100628	349
Angola Fm	37.945356	-82.054026	4704500433	200
Angola Fm	37.946722	-81.881044	4704501513	102
Angola Fm	37.953544	-81.954759	4704501092	204
Angola Fm	37.95541	-82.025932	4704501074	190
Angola Fm	37.955686	-82.150522	4704500639	164
Angola Fm	37.9571	-81.949047	4704500958	206
Angola Fm	37.959506	-81.349266	4708100680	348
Angola Fm	37.959542	-82.113387	4704500535	160
Angola Fm	37.963309	-81.793292	4700501056	267
Angola Fm	37.964586	-81.844322	4700501827	222
Angola Fm	37.965167	-81.310347	4701900510	447
Angola Fm	37.965312	-81.432233	4708100626	332
Angola Fm	37.966125	-82.089163	4704500646	177
Angola Fm	37.966877	-81.972196	4704500957	200
Angola Fm	37.967634	-81.421611	4708100627	333
Angola Fm	37.974663	-82.127896	4704500383	200
Angola Fm	37.97509	-82.135717	4704500408	185
Angola Fm	37.979353	-82.153502	4704500448	200
Angola Fm	37.979681	-81.449082	4703903860	339
Angola Fm	37.980037	-82.14543	4704500358	174
Angola Fm	37.980568	-82.138798	4704500366	200
Angola Fm	37.982438	-81.279485	4701900458	383
Angola Fm	37.991727	-82.422344	4709902165	150
Angola Fm	38.004511	-81.378302	4703904080	363
Angola Fm	38.00814	-81.684828	4700501721	172
Angola Fm	38.01351	-81.915909	4700501831	213
Angola Fm	38.019633	-82.211786	4704301341	151
Angola Fm	38.022618	-82.22252	4709901543	152
Angola Fm	38.023234	-81.41685	4703905341	277
Angola Fm	38.031072	-81.352779	4701900516	253

Angola Fm	38.031299	-81.974698	4704302500	225
Angola Fm	38.031987	-81.544549	4700501397	319
Angola Fm	38.033703	-82.314817	4709901742	74
Angola Fm	38.03499	-81.403434	4703903796	363
Angola Fm	38.046535	-81.666307	4700501363	280
Angola Fm	38.051403	-81.451522	4703902796	406
Angola Fm	38.054479	-81.677387	4700501364	274
Angola Fm	38.054596	-81.318267	4701900517	320
Angola Fm	38.058369	-81.899766	4700501915	200
Angola Fm	38.061272	-82.257705	4709902037	145
Angola Fm	38.061998	-81.410406	4703904095	335
Angola Fm	38.063014	-81.527884	4700501528	182
Angola Fm	38.069545	-81.631421	4700501526	190
Angola Fm	38.072552	-81.417229	4703903687	326
Angola Fm	38.07506	-81.394079	4703905338	196
Angola Fm	38.076076	-81.369106	4703903936	349
Angola Fm	38.081882	-81.53247	4703904820	123
Angola Fm	38.084193	-81.940456	4700501387	229
Angola Fm	38.085667	-81.41169	4703904264	332
Angola Fm	38.090318	-81.958974	4700501367	227
Angola Fm	38.091194	-82.226201	4704301648	144
Angola Fm	38.092053	-81.483649	4703903991	306
Angola Fm	38.092489	-81.41169	4703903705	349
Angola Fm	38.095392	-82.550105	4709901549	56
Angola Fm	38.096698	-82.24062	4704301656	145
Angola Fm	38.098378	-81.472296	4703903948	313
Angola Fm	38.098875	-82.224293	4704301637	293
Angola Fm	38.100036	-81.539258	4700501471	309
Angola Fm	38.100036	-81.529352	4700501472	308
Angola Fm	38.100305	-81.940071	4700501366	229
Angola Fm	38.101923	-81.60443	4700501542	220
Angola Fm	38.106422	-81.632705	4700501537	196
Angola Fm	38.11005	-81.660985	4700500907	277
Angola Fm	38.113679	-80.985117	4701900241	273
Angola Fm	38.119194	-81.923087	4700500588	233
Angola Fm	38.123549	-82.574504	4709901576	53
Angola Fm	38.123694	-81.845441	4700501406	246
Angola Fm	38.124274	-81.182443	4701900490	354
Angola Fm	38.127624	-81.344359	4703904094	338
Angola Fm	38.128879	-81.84533	4700501418	246
Angola Fm	38.129511	-82.469175	4709901546	61
Angola Fm	38.13372	-81.808389	4700501922	58
Angola Fm	38.1388	-81.990492	4704301748	218
Angola Fm	38.139235	-82.410098	4709901757	66
Angola Fm	38.139829	-81.727945	4700501419	261
Angola Fm	38.140439	-81.514993	4703902481	295
Angola Fm	38.140542	-82.339949	4709901772	72
Angola Fm	38.149395	-81.822906	4700501385	252
Angola Fm	38.14954	-81.443863	4703904812	321

Angola Fm	38.151282	-81.817026	4700501386	251
Angola Fm	38.154475	-81.732957	4700501421	270
Angola Fm	38.171758	-81.698274	4700501442	275
Angola Fm	38.171758	-81.500184	4703904848	237
Angola Fm	38.180525	-81.608433	4703901660	291
Angola Fm	38.181483	-82.001654	4704302547	238
Angola Fm	38.187988	-81.945095	4704301833	198
Angola Fm	38.188545	-82.00258	4704302557	211
Angola Fm	38.18903	-82.272786	4704301851	150
Angola Fm	38.189465	-81.993983	4704302533	218
Angola Fm	38.191352	-82.022051	4704302539	214
Angola Fm	38.20147	-81.679514	4700501360	281
Angola Fm	38.202036	-82.266404	4704302543	151
Angola Fm	38.207317	-81.839765	4700501679	250
Angola Fm	38.210232	-81.83044	4703905231	252
Angola Fm	38.215012	-82.073659	4704302507	176
Angola Fm	38.215635	-82.126842	4704302541	164
Angola Fm	38.216889	-81.700751	4700501361	276
Angola Fm	38.217053	-81.939453	4704301469	206
Angola Fm	38.21834	-82.12343	4704301617	183
Angola Fm	38.221698	-82.534547	4709901572	56
Angola Fm	38.221988	-81.620269	4703902038	289
Angola Fm	38.223097	-81.630792	4703902042	286
Angola Fm	38.231132	-81.508086	4703903978	308
Angola Fm	38.238679	-81.694966	4703902274	275
Angola Fm	38.238814	-81.679835	4703902343	380
Angola Fm	38.241727	-81.392457	4703902751	319
Angola Fm	38.242308	-81.489573	4703903631	310
Angola Fm	38.243033	-81.626103	4703902044	290
Angola Fm	38.247151	-81.506048	4703903404	313
Angola Fm	38.248774	-82.568665	4709901752	48
Angola Fm	38.249565	-81.698274	4703902275	279
Angola Fm	38.250907	-82.226297	4704302501	163
Angola Fm	38.251899	-82.554552	4709901749	51
Angola Fm	38.25275	-82.226534	4704302502	160
Angola Fm	38.25306	-82.468458	4709901098	60
Angola Fm	38.254366	-81.621621	4703901997	288
Angola Fm	38.254463	-81.647744	4703902078	282
Angola Fm	38.255092	-81.668692	4703901760	280
Angola Fm	38.256108	-81.703298	4703902073	275
Angola Fm	38.256398	-82.546085	4709901751	47
Angola Fm	38.256398	-81.605791	4703902030	292
Angola Fm	38.256688	-81.74294	4703902110	272
Angola Fm	38.256688	-81.725637	4703902083	272
Angola Fm	38.256983	-81.784916	4703903653	189
Angola Fm	38.257155	-82.231751	4704301625	159
Angola Fm	38.258575	-81.63494	4703901018	284
Angola Fm	38.260462	-82.539761	4709901753	52
Angola Fm	38.260602	-81.591421	4703902041	292

Angola Fm	38.262494	-81.502577	4703903970	321
Angola Fm	38.26252	-81.805545	4704302497	226
Angola Fm	38.262537	-81.815952	4704302498	255
Angola Fm	38.26351	-81.714224	4703902074	273
Angola Fm	38.265251	-81.662552	4703903689	281
Angola Fm	38.265334	-81.625686	4703902049	287
Angola Fm	38.266267	-81.456427	4703903645	309
Angola Fm	38.266558	-82.251841	4701100549	154
Angola Fm	38.267172	-81.520085	4703903410	305
Angola Fm	38.267274	-81.697395	4703902112	277
Angola Fm	38.26869	-81.648695	4703902099	283
Angola Fm	38.271057	-81.940965	4704300446	300
Angola Fm	38.27199	-81.635363	4703901113	285
Angola Fm	38.272458	-81.477242	4703902743	309
Angola Fm	38.273819	-81.616646	4703901069	278
Angola Fm	38.274001	-81.536834	4703902718	301
Angola Fm	38.274451	-82.199816	4704302515	152
Angola Fm	38.275701	-81.496437	4703903963	304
Angola Fm	38.279929	-81.454568	4703903646	313
Angola Fm	38.280162	-82.072458	4704302542	177
Angola Fm	38.280781	-82.290313	4701100677	75
Angola Fm	38.281317	-82.296047	4701100706	73
Angola Fm	38.283748	-81.476329	4703903700	322
Angola Fm	38.284555	-82.070199	4704302535	185
Angola Fm	38.286958	-82.139356	4704302545	176
Angola Fm	38.2902	-81.545519	4703903638	302
Angola Fm	38.291086	-81.483552	4703903950	311
Angola Fm	38.29312	-82.252585	4701100698	77
Angola Fm	38.296613	-81.370885	4703903462	314
Angola Fm	38.300822	-82.241467	4701100558	141
Angola Fm	38.304069	-82.084802	4704302538	180
Angola Fm	38.305839	-82.258279	4701100561	75
Angola Fm	38.314175	-81.459254	4703903762	359
Angola Fm	38.316642	-81.38494	4703902640	312
Angola Fm	38.318239	-81.477845	4703903896	309
Angola Fm	38.318965	-81.876473	4703903798	239
Angola Fm	38.322507	-82.242345	4701100707	76
Angola Fm	38.323028	-82.303816	4709900070	47
Angola Fm	38.324044	-82.027611	4707901099	186
Angola Fm	38.326367	-81.898378	4703903927	230
Angola Fm	38.32662	-82.238807	4701100703	75
Angola Fm	38.32956	-82.347875	4701100755	69
Angola Fm	38.330784	-82.177842	4704300230	140
Angola Fm	38.331156	-81.549582	4703903779	304
Angola Fm	38.33655	-82.312051	4701100751	63
Angola Fm	38.336974	-81.485945	4703903968	307
Angola Fm	38.336991	-81.547618	4703903775	303
Angola Fm	38.33828	-81.568726	4703903723	301
Angola Fm	38.33859	-82.113352	4704302546	183

Angola Fm	38.338799	-81.564259	4703902764	300
Angola Fm	38.340023	-81.507507	4703903943	306
Angola Fm	38.340747	-81.561179	4703903724	301
Angola Fm	38.348992	-81.496229	4703902719	303
Angola Fm	38.350472	-81.559522	4703903597	299
Angola Fm	38.355752	-82.324946	4701100719	69
Angola Fm	38.357904	-81.540092	4703901745	305
Angola Fm	38.359035	-81.410343	4703903720	319
Angola Fm	38.363969	-81.942069	4707901076	205
Angola Fm	38.365138	-81.936501	4707901075	202
Angola Fm	38.366555	-81.440395	4703903401	317
Angola Fm	38.368015	-81.942307	4707901047	200
Angola Fm	38.369567	-81.952189	4707901070	201
Angola Fm	38.371372	-82.529636	4709901703	80
Angola Fm	38.376173	-81.384404	4703903718	325
Angola Fm	38.378867	-81.950066	4707901072	201
Angola Fm	38.379076	-81.943773	4707901048	200
Angola Fm	38.379331	-81.470989	4703901334	314
Angola Fm	38.380527	-81.438609	4703901684	312
Angola Fm	38.382994	-81.310475	4703903909	325
Angola Fm	38.384446	-82.022496	4707901012	190
Angola Fm	38.384591	-81.381085	4703903789	330
Angola Fm	38.386623	-81.46534	4703901320	310
Angola Fm	38.390378	-81.423839	4703902791	319
Angola Fm	38.391413	-81.456255	4703903375	315
Angola Fm	38.391507	-81.398902	4703903593	335
Angola Fm	38.392864	-81.419617	4703901276	323
Angola Fm	38.395041	-81.42478	4703901582	322
Angola Fm	38.396148	-81.431417	4703902816	320
Angola Fm	38.397944	-81.457971	4703902832	322
Angola Fm	38.398524	-81.445248	4703901547	313
Angola Fm	38.398524	-81.409666	4703903212	285
Angola Fm	38.40032	-81.428726	4703902792	318
Angola Fm	38.403894	-81.41446	4703901579	322
Angola Fm	38.403955	-81.405416	4703903213	291
Angola Fm	38.404773	-81.418815	4703902840	324
Angola Fm	38.406652	-81.472347	4703901280	309
Angola Fm	38.406797	-81.441191	4703901594	309
Angola Fm	38.408452	-81.46636	4703903344	280
Angola Fm	38.408829	-81.41151	4703901578	321
Angola Fm	38.408974	-81.405609	4703901610	313
Angola Fm	38.411297	-81.415198	4703901296	324
Angola Fm	38.413183	-82.381454	4701100699	60
Angola Fm	38.413474	-81.475113	4703901616	311
Angola Fm	38.414204	-81.72084	4703903803	268
Angola Fm	38.415813	-81.755748	4703902117	264
Angola Fm	38.416522	-81.405056	4703901580	325
Angola Fm	38.418253	-82.028277	4707901049	192
Angola Fm	38.419292	-82.462569	4701100709	52

Angola Fm	38.419442	-81.466148	4703902804	313
Angola Fm	38.41998	-81.401486	4703902830	322
Angola Fm	38.420452	-81.462759	4703903365	316
Angola Fm	38.421323	-82.455389	4701100704	54
Angola Fm	38.422387	-81.389337	4703902787	307
Angola Fm	38.423747	-81.928339	4707900942	205
Angola Fm	38.424995	-81.393857	4703902831	326
Angola Fm	38.425387	-81.384773	4703901308	325
Angola Fm	38.426258	-82.34034	4701100524	66
Angola Fm	38.427813	-81.378088	4703903348	290
Angola Fm	38.429306	-81.729683	4703903868	268
Angola Fm	38.430176	-81.445432	4703903366	279
Angola Fm	38.433369	-82.322276	4701100532	65
Angola Fm	38.43366	-82.003135	4707901100	192
Angola Fm	38.435982	-81.324304	4703902606	335
Angola Fm	38.437326	-81.34021	4703902595	333
Angola Fm	38.439175	-81.288723	4703903846	333
Angola Fm	38.440772	-81.760695	4703902143	260
Angola Fm	38.441497	-82.008482	4707901102	192
Angola Fm	38.443094	-81.330942	4703902612	328
Angola Fm	38.443239	-81.457602	4703902797	311
Angola Fm	38.443965	-81.309553	4703902624	331
Angola Fm	38.44411	-81.320985	4703902613	327
Angola Fm	38.445649	-81.690629	4703902227	272
Angola Fm	38.445801	-81.34238	4703902593	330
Angola Fm	38.446077	-81.407877	4703902783	323
Angola Fm	38.446432	-82.003503	4707901014	192
Angola Fm	38.446577	-81.447645	4703901970	317
Angola Fm	38.446722	-81.433631	4703902814	319
Angola Fm	38.447303	-81.70373	4703900940	279
Angola Fm	38.447448	-81.453177	4703902839	314
Angola Fm	38.447602	-81.597411	4703902385	291
Angola Fm	38.447727	-81.553435	4703902420	299
Angola Fm	38.448319	-81.405241	4703903353	319
Angola Fm	38.449415	-81.760445	4703902098	259
Angola Fm	38.44948	-82.276737	4701100534	69
Angola Fm	38.451076	-81.350666	4703902594	332
Angola Fm	38.451332	-81.583383	4703902295	292
Angola Fm	38.451512	-81.321723	4703902614	326
Angola Fm	38.451556	-81.863197	4707900574	243
Angola Fm	38.451657	-81.311397	4703902623	375
Angola Fm	38.451901	-81.725764	4703902307	265
Angola Fm	38.452422	-81.575878	4703902260	294
Angola Fm	38.452502	-81.336959	4703902611	324
Angola Fm	38.452528	-81.694879	4703902234	275
Angola Fm	38.452961	-81.569015	4703902277	294
Angola Fm	38.456156	-81.674964	4703903817	278
Angola Fm	38.456593	-81.863321	4707900651	233
Angola Fm	38.457843	-81.343537	4703902605	329

Angola Fm	38.458188	-81.3149	4703902667	330
Angola Fm	38.45849	-81.876106	4707900643	239
Angola Fm	38.460811	-81.650753	4703902210	281
Angola Fm	38.460989	-81.72859	4703902111	267
Angola Fm	38.461974	-81.332786	4703902622	337
Angola Fm	38.461985	-81.846621	4707900569	164
Angola Fm	38.46233	-81.555988	4703902340	296
Angola Fm	38.46386	-81.711468	4703902223	269
Angola Fm	38.465675	-81.898291	4707900658	180
Angola Fm	38.466183	-81.342184	4703902621	332
Angola Fm	38.466285	-81.322139	4703902666	329
Angola Fm	38.467344	-81.672286	4703903824	276
Angola Fm	38.469207	-81.716024	4703902160	288
Angola Fm	38.469521	-81.952439	4707900720	195
Angola Fm	38.470247	-81.650815	4703902212	282
Angola Fm	38.470682	-81.698014	4703902179	269
Angola Fm	38.473211	-81.557537	4703902408	299
Angola Fm	38.473373	-81.754794	4707900735	232
Angola Fm	38.47402	-81.519915	4703902808	306
Angola Fm	38.475181	-81.744474	4707900741	230
Angola Fm	38.475326	-81.571907	4703902430	295
Angola Fm	38.475326	-81.327623	4703902665	328
Angola Fm	38.476197	-81.716815	4703902204	267
Angola Fm	38.476923	-81.640489	4703902330	281
Angola Fm	38.477068	-81.290935	4703905682	300
Angola Fm	38.480343	-81.560517	4703902410	297
Angola Fm	38.480865	-81.603302	4703902331	239
Angola Fm	38.482088	-81.84989	4707900722	218
Angola Fm	38.48476	-81.557893	4703902322	309
Angola Fm	38.48481	-81.585493	4703902487	299
Angola Fm	38.488534	-81.621687	4703902425	284
Angola Fm	38.488679	-81.565453	4703902445	296
Angola Fm	38.488921	-81.902395	4707900734	205
Angola Fm	38.490131	-81.870212	4707900703	213
Angola Fm	38.490276	-81.856751	4707900744	212
Angola Fm	38.490421	-81.659482	4703902221	283
Angola Fm	38.492784	-81.79282	4707900557	253
Angola Fm	38.493127	-81.585132	4703902474	257
Angola Fm	38.494093	-81.31307	4703903676	336
Angola Fm	38.494194	-81.298489	4703905685	300
Angola Fm	38.494747	-81.705342	4703902258	268
Angola Fm	38.496907	-81.63103	4703900744	294
Angola Fm	38.497963	-81.619294	4703902447	283
Angola Fm	38.498984	-81.65229	4703902263	270
Angola Fm	38.499582	-81.694521	4703902266	270
Angola Fm	38.500447	-81.597187	4703902394	289
Angola Fm	38.505693	-81.93484	4707900553	130
Angola Fm	38.506978	-81.615104	4703902357	284
Angola Fm	38.508575	-81.598295	4703902375	290

Angola Fm	38.511913	-81.552565	4703902453	313
Angola Fm	38.514684	-81.943306	4707900639	237
Angola Fm	38.514769	-81.608678	4703902347	287
Angola Fm	38.515392	-81.772972	4707900544	265
Angola Fm	38.515542	-81.645134	4703902314	279
Angola Fm	38.517428	-81.714614	4703902294	263
Angola Fm	38.517901	-81.756979	4707900806	230
Angola Fm	38.518154	-81.79887	4707901068	222
Angola Fm	38.519024	-81.626328	4703900504	272
Angola Fm	38.519896	-82.018471	4707901144	186
Angola Fm	38.520041	-81.600512	4703902369	289
Angola Fm	38.521008	-81.722224	4703902421	263
Angola Fm	38.523234	-81.868798	4707900840	210
Angola Fm	38.523815	-82.263115	4701100537	68
Angola Fm	38.52396	-81.534357	4703903791	302
Angola Fm	38.524831	-82.014038	4707901143	185
Angola Fm	38.527043	-81.755935	4707900805	228
Angola Fm	38.527878	-81.359747	4703903810	328
Angola Fm	38.527996	-81.809491	4707901043	226
Angola Fm	38.530781	-81.468308	4703903917	316
Angola Fm	38.532088	-82.142732	4701100670	83
Angola Fm	38.532558	-81.933974	4707901038	202
Angola Fm	38.533103	-81.143841	4701502500	290
Angola Fm	38.533249	-81.38442	4703902433	332
Angola Fm	38.533394	-81.375739	4703903862	335
Angola Fm	38.535253	-82.065635	4705300071	156
Angola Fm	38.537603	-81.272904	4708700714	293
Angola Fm	38.541146	-81.517103	4703903616	308
Angola Fm	38.541468	-81.94702	4707901060	194
Angola Fm	38.542145	-81.778044	4707900454	225
Angola Fm	38.54313	-81.877401	4707900838	209
Angola Fm	38.544744	-81.906686	4707900674	225
Angola Fm	38.546726	-81.850253	4707901067	216
Angola Fm	38.547113	-81.950726	4707901066	193
Angola Fm	38.548892	-81.58212	4703903795	290
Angola Fm	38.55377	-81.921083	4707901033	196
Angola Fm	38.557994	-82.017587	4707900737	184
Angola Fm	38.560547	-81.360117	4708701977	289
Angola Fm	38.561291	-81.383679	4708703563	330
Angola Fm	38.561998	-81.900006	4707901087	202
Angola Fm	38.565336	-81.893674	4707901063	216
Angola Fm	38.567767	-81.485092	4708703511	274
Angola Fm	38.568384	-82.146057	4705300217	155
Angola Fm	38.569115	-81.924152	4707900497	170
Angola Fm	38.569861	-81.489857	4708703510	274
Angola Fm	38.570014	-81.460349	4708703755	317
Angola Fm	38.571886	-81.970887	4707900442	175
Angola Fm	38.57948	-81.019918	4701501915	337
Angola Fm	38.584797	-81.364734	4708703455	328

Angola Fm	38.584831	-81.566636	4703501638	263
Angola Fm	38.589654	-81.025192	4701501889	331
Angola Fm	38.593505	-81.18366	4708703847	301
Angola Fm	38.596633	-81.016559	4701501712	325
Angola Fm	38.596698	-82.020134	4707900682	175
Angola Fm	38.596988	-81.338321	4708700574	274
Angola Fm	38.597424	-81.922393	4707900908	194
Angola Fm	38.599456	-81.533618	4703903774	292
Angola Fm	38.600617	-81.541006	4703903766	296
Angola Fm	38.602413	-82.157717	4705300265	133
Angola Fm	38.602635	-81.763177	4707900803	215
Angola Fm	38.602738	-81.823319	4707900865	211
Angola Fm	38.6041	-81.306444	4708704185	156
Angola Fm	38.604681	-81.917221	4707900912	196
Angola Fm	38.605697	-81.324915	4708703568	331
Angola Fm	38.610922	-81.19031	4708703331	312
Angola Fm	38.611647	-81.920546	4707900915	196
Angola Fm	38.612251	-81.800222	4707900822	216
Angola Fm	38.613244	-82.144949	4705300354	149
Angola Fm	38.613534	-81.334626	4708703481	289
Angola Fm	38.614913	-81.795638	4707900847	215
Angola Fm	38.616638	-81.758783	4707900762	222
Angola Fm	38.617017	-81.301641	4708703564	336
Angola Fm	38.619049	-81.321775	4708703788	294
Angola Fm	38.622299	-81.631433	4703501423	250
Angola Fm	38.623403	-81.178673	4708703338	306
Angola Fm	38.623549	-82.109193	4705300297	155
Angola Fm	38.624565	-81.778446	4707901021	222
Angola Fm	38.625302	-81.286082	4708703958	300
Angola Fm	38.625883	-81.146094	4708703985	300
Angola Fm	38.627103	-81.145094	4708702078	304
Angola Fm	38.627915	-82.151645	4705300352	145
Angola Fm	38.629656	-81.285526	4708703945	300
Angola Fm	38.630092	-81.293517	4708703962	300
Angola Fm	38.630092	-81.161082	4708703920	303
Angola Fm	38.630603	-81.26621	4708703640	53
Angola Fm	38.63074	-81.657891	4703501424	193
Angola Fm	38.640175	-81.182214	4708702077	305
Angola Fm	38.641149	-81.841866	4707901018	208
Angola Fm	38.641841	-81.775156	4707901050	222
Angola Fm	38.642719	-81.470546	4708703749	271
Angola Fm	38.642719	-81.40146	4708703502	285
Angola Fm	38.64388	-81.279235	4708704246	134
Angola Fm	38.645503	-81.818744	4707901036	212
Angola Fm	38.646492	-81.476282	4708703582	273
Angola Fm	38.646798	-81.769815	4707901044	222
Angola Fm	38.647508	-81.177584	4708703370	225
Angola Fm	38.647508	-81.177584	4708703370	304
Angola Fm	38.647885	-81.856166	4707901039	204

Angola Fm	38.650266	-81.40516	4708701781	285
Angola Fm	38.650701	-81.286267	4708701575	284
Angola Fm	38.650992	-81.258512	4708703789	300
Angola Fm	38.653314	-82.079599	4705300218	159
Angola Fm	38.653314	-81.402755	4708703503	285
Angola Fm	38.653604	-81.283491	4708700440	300
Angola Fm	38.65433	-81.131291	4701303860	303
Angola Fm	38.65433	-81.131291	4701303860	305
Angola Fm	38.65462	-81.300548	4708703641	284
Angola Fm	38.655056	-81.15368	4701303784	293
Angola Fm	38.655056	-81.15368	4701303784	296
Angola Fm	38.655781	-81.446827	4708703852	274
Angola Fm	38.655781	-81.313131	4708703913	296
Angola Fm	38.656362	-81.46925	4708703966	280
Angola Fm	38.658276	-81.759696	4707901040	222
Angola Fm	38.658394	-81.136657	4701303755	307
Angola Fm	38.658684	-81.12256	4701303790	303
Angola Fm	38.658684	-81.12256	4701303790	308
Angola Fm	38.659119	-81.158676	4701303671	296
Angola Fm	38.659119	-81.158676	4701303671	302
Angola Fm	38.65999	-81.455524	4708703784	272
Angola Fm	38.660281	-81.472951	4708703687	271
Angola Fm	38.661006	-81.152015	4701303672	346
Angola Fm	38.663183	-81.142208	4701303748	300
Angola Fm	38.663183	-81.142208	4701303748	303
Angola Fm	38.664199	-81.460739	4708703696	272
Angola Fm	38.66449	-81.400905	4708703507	284
Angola Fm	38.66507	-81.452748	4708703855	274
Angola Fm	38.666702	-81.246238	4708703787	304
Angola Fm	38.668565	-81.136102	4701303678	304
Angola Fm	38.668856	-81.143133	4701303679	432
Angola Fm	38.669146	-81.470546	4708703542	272
Angola Fm	38.670888	-81.37108	4708703464	286
Angola Fm	38.6735	-81.854797	4705300227	200
Angola Fm	38.6735	-81.483498	4708703580	272
Angola Fm	38.67379	-81.258327	4708700806	296
Angola Fm	38.673896	-82.162071	4705300304	140
Angola Fm	38.673935	-81.139618	4701303690	412
Angola Fm	38.674806	-81.303324	4708703900	296
Angola Fm	38.675387	-81.478687	4708703579	270
Angola Fm	38.675387	-81.24238	4708704051	301
Angola Fm	38.67544	-82.170952	4705300303	138
Angola Fm	38.675677	-82.175918	4705300314	134
Angola Fm	38.677419	-81.347026	4708703693	281
Angola Fm	38.677709	-81.146834	4701303806	307
Angola Fm	38.677709	-81.146834	4701303806	309
Angola Fm	38.677854	-81.390728	4708703474	281
Angola Fm	38.679451	-81.385362	4708703480	264
Angola Fm	38.680176	-81.15331	4701303681	318

Angola Fm	38.680685	-82.164911	4705300269	138
Angola Fm	38.681918	-81.725541	4703501700	230
Angola Fm	38.682126	-82.175363	4705300302	135
Angola Fm	38.682499	-81.710184	4703501645	233
Angola Fm	38.682499	-81.397574	4708703475	281
Angola Fm	38.682934	-81.474431	4708703656	265
Angola Fm	38.68394	-81.85273	4705300189	200
Angola Fm	38.684095	-81.440166	4708703575	276
Angola Fm	38.68424	-81.388692	4708703478	281
Angola Fm	38.684821	-81.148314	4701303680	306
Angola Fm	38.685547	-81.158676	4701303685	299
Angola Fm	38.685692	-82.164042	4705300318	138
Angola Fm	38.686127	-81.46888	4708703967	276
Angola Fm	38.686562	-81.831449	4705300236	204
Angola Fm	38.686853	-82.157566	4705300310	138
Angola Fm	38.686853	-81.710554	4703501639	233
Angola Fm	38.687433	-81.473506	4708703581	269
Angola Fm	38.688449	-81.164227	4701303686	298
Angola Fm	38.689805	-81.525632	4708703440	305
Angola Fm	38.689901	-81.818312	4705300258	206
Angola Fm	38.690046	-81.153125	4701303660	288
Angola Fm	38.690191	-81.389433	4708703486	81
Angola Fm	38.690481	-81.333518	4708703520	323
Angola Fm	38.690577	-81.668446	4703501617	241
Angola Fm	38.690626	-81.715365	4703501666	231
Angola Fm	38.690626	-81.443867	4708703485	276
Angola Fm	38.690626	-81.349061	4708703515	281
Angola Fm	38.690772	-81.84499	4705300180	201
Angola Fm	38.691352	-81.424253	4708703477	264
Angola Fm	38.692513	-81.485903	4708703933	275
Angola Fm	38.692658	-81.385547	4708703547	286
Angola Fm	38.692949	-81.362754	4708703726	282
Angola Fm	38.693965	-81.471656	4708703993	280
Angola Fm	38.694208	-81.222227	4708703482	297
Angola Fm	38.694326	-81.135199	4701303362	359
Angola Fm	38.695416	-81.495525	4708703543	267
Angola Fm	38.695416	-81.419627	4708703476	264
Angola Fm	38.695706	-81.450898	4708703538	400
Angola Fm	38.695997	-81.402755	4708703442	280
Angola Fm	38.696536	-81.667786	4703501559	241
Angola Fm	38.698319	-81.480537	4708703559	271
Angola Fm	38.698609	-81.74349	4703501577	224
Angola Fm	38.698833	-81.674993	4703501529	238
Angola Fm	38.69919	-81.143133	4701303667	299
Angola Fm	38.69948	-81.733128	4703502040	228
Angola Fm	38.699625	-81.845546	4705300240	200
Angola Fm	38.69977	-81.450343	4708703540	275
Angola Fm	38.69977	-81.409416	4708703405	278
Angola Fm	38.699915	-81.414412	4708703546	264

Angola Fm	38.701076	-82.177214	4705300316	134
Angola Fm	38.701076	-81.471656	4708703670	270
Angola Fm	38.701201	-81.500637	4708703541	262
Angola Fm	38.701367	-82.160526	4705300331	138
Angola Fm	38.701657	-81.381476	4708703548	286
Angola Fm	38.701657	-81.149795	4701303666	301
Angola Fm	38.701802	-82.167592	4705300330	136
Angola Fm	38.702021	-81.835547	4705300186	202
Angola Fm	38.702528	-81.860533	4705300179	197
Angola Fm	38.702963	-81.678879	4703501592	238
Angola Fm	38.703544	-81.139063	4701303668	301
Angola Fm	38.704106	-81.820419	4705300222	203
Angola Fm	38.705721	-81.221286	4708703408	294
Angola Fm	38.705721	-81.221286	4708703408	296
Angola Fm	38.706301	-82.177214	4705300346	132
Angola Fm	38.706301	-81.737199	4703501995	225
Angola Fm	38.707027	-81.368305	4708703850	282
Angola Fm	38.708043	-81.847026	4705300187	201
Angola Fm	38.708333	-81.40257	4708703441	322
Angola Fm	38.708781	-82.172033	4705300363	134
Angola Fm	38.709071	-81.81054	4705300226	206
Angola Fm	38.709508	-81.82938	4705300221	204
Angola Fm	38.710087	-81.404605	4708703732	278
Angola Fm	38.710667	-81.367565	4708703715	282
Angola Fm	38.710812	-81.127776	4701303567	300
Angola Fm	38.711535	-81.764125	4703501017	239
Angola Fm	38.71177	-81.663813	4703501568	241
Angola Fm	38.712264	-81.409231	4708703472	279
Angola Fm	38.712554	-82.170182	4705300344	135
Angola Fm	38.712554	-81.174808	4708703734	296
Angola Fm	38.712554	-81.174808	4708703734	297
Angola Fm	38.712699	-82.177214	4705300345	132
Angola Fm	38.712844	-81.132031	4701303659	301
Angola Fm	38.713006	-81.655214	4703501569	240
Angola Fm	38.713634	-81.77915	4703501330	225
Angola Fm	38.713715	-81.839254	4705300223	150
Angola Fm	38.71386	-82.117194	4705300069	137
Angola Fm	38.71386	-81.189241	4708704112	300
Angola Fm	38.714876	-81.415337	4708703473	278
Angola Fm	38.716612	-81.728638	4703501386	226
Angola Fm	38.716908	-81.823492	4705300184	202
Angola Fm	38.717053	-81.664227	4703501606	239
Angola Fm	38.717199	-81.371635	4708703578	283
Angola Fm	38.717199	-81.174623	4708704099	297
Angola Fm	38.71729	-81.804974	4703501524	211
Angola Fm	38.717344	-81.407751	4708703484	284
Angola Fm	38.717924	-81.18665	4708704111	304
Angola Fm	38.718069	-82.177584	4705300341	132
Angola Fm	38.718069	-81.657566	4703501607	242

Angola Fm	38.71836	-81.235533	4708704046	298
Angola Fm	38.718505	-81.388878	4708703427	279
Angola Fm	38.71956	-81.166506	4701300743	298
Angola Fm	38.719692	-81.84986	4705300178	200
Angola Fm	38.719811	-81.366639	4708703394	238
Angola Fm	38.719818	-81.558986	4703501583	260
Angola Fm	38.720676	-81.161289	4701300785	296
Angola Fm	38.721408	-81.723876	4703501996	227
Angola Fm	38.721553	-81.382956	4708703428	280
Angola Fm	38.722278	-81.836849	4705300220	201
Angola Fm	38.722424	-81.192571	4708704098	314
Angola Fm	38.723294	-81.374596	4708703684	245
Angola Fm	38.72344	-81.817941	4705300196	205
Angola Fm	38.723585	-81.700158	4703501702	233
Angola Fm	38.724077	-81.14451	4701303548	311
Angola Fm	38.727894	-81.139597	4701302540	325
Angola Fm	38.728665	-81.826499	4705300238	204
Angola Fm	38.728665	-81.233683	4708704040	300
Angola Fm	38.728955	-81.689981	4703501669	234
Angola Fm	38.728956	-81.142092	4701302548	303
Angola Fm	38.72939	-81.842585	4705300182	200
Angola Fm	38.729681	-81.572382	4703501366	251
Angola Fm	38.729826	-81.399054	4708703487	326
Angola Fm	38.730116	-81.411822	4708700605	326
Angola Fm	38.730551	-81.697012	4703501649	244
Angola Fm	38.730697	-81.700343	4703501640	232
Angola Fm	38.731132	-81.666633	4703501620	239
Angola Fm	38.731216	-81.719928	4703501681	229
Angola Fm	38.733309	-81.351282	4708703914	347
Angola Fm	38.735051	-81.693682	4703501643	234
Angola Fm	38.735196	-81.817941	4705300219	205
Angola Fm	38.735486	-81.701823	4703501644	130
Angola Fm	38.736436	-81.688005	4703501650	234
Angola Fm	38.736792	-80.941276	4700701955	303
Angola Fm	38.737518	-81.810731	4705300176	205
Angola Fm	38.738099	-81.697752	4703501673	235
Angola Fm	38.738389	-81.238679	4708704047	294
Angola Fm	38.738824	-81.088514	4701303763	513
Angola Fm	38.739115	-81.749041	4703501540	247
Angola Fm	38.739985	-81.399609	4708703567	280
Angola Fm	38.741001	-81.68258	4703501642	237
Angola Fm	38.741292	-81.235718	4708704049	298
Angola Fm	38.742503	-81.760073	4703501541	217
Angola Fm	38.743033	-81.12071	4701303780	309
Angola Fm	38.743077	-81.663034	4703501665	239
Angola Fm	38.743178	-81.420737	4708703583	278
Angola Fm	38.744049	-81.706264	4703501703	230
Angola Fm	38.744204	-81.747381	4703501612	218
Angola Fm	38.74463	-81.162377	4701303640	294

Angola Fm	38.745065	-81.784566	4703501156	212
Angola Fm	38.745246	-81.717493	4703501610	227
Angola Fm	38.746226	-81.673698	4703501664	238
Angola Fm	38.747533	-81.174808	4701303643	296
Angola Fm	38.748113	-81.723136	4703501596	225
Angola Fm	38.748237	-81.689807	4703501743	234
Angola Fm	38.748653	-81.814925	4705300175	204
Angola Fm	38.749074	-81.741949	4703501613	224
Angola Fm	38.749558	-81.724501	4703501118	223
Angola Fm	38.750592	-81.058349	4701303826	298
Angola Fm	38.750592	-81.058349	4701303826	300
Angola Fm	38.751173	-81.204109	4708703922	300
Angola Fm	38.751569	-81.76299	4703501549	215
Angola Fm	38.751753	-81.716674	4703501597	224
Angola Fm	38.752044	-81.727425	4703501557	223
Angola Fm	38.752334	-81.733542	4703501599	223
Angola Fm	38.752772	-81.723202	4703501602	225
Angola Fm	38.75364	-81.239473	4708704054	299
Angola Fm	38.754076	-81.199289	4708703915	296
Angola Fm	38.754366	-81.147243	4701303873	296
Angola Fm	38.754837	-81.737326	4703501546	221
Angola Fm	38.755237	-81.211114	4708703733	299
Angola Fm	38.756108	-81.695397	4703501751	232
Angola Fm	38.756253	-81.719084	4703501595	224
Angola Fm	38.759474	-81.589016	4703501497	252
Angola Fm	38.759513	-81.817078	4705300157	203
Angola Fm	38.760462	-81.721308	4703501594	222
Angola Fm	38.760462	-81.07985	4701302524	293
Angola Fm	38.762058	-81.827626	4705300234	200
Angola Fm	38.762349	-81.665593	4703501683	238
Angola Fm	38.762349	-81.209816	4708703626	294
Angola Fm	38.762349	-81.150394	4701303712	308
Angola Fm	38.762539	-81.713958	4703501063	273
Angola Fm	38.762639	-81.727796	4703501530	213
Angola Fm	38.763365	-81.83704	4705300156	199
Angola Fm	38.7638	-81.160218	4701303750	280
Angola Fm	38.765431	-81.385507	4708703694	282
Angola Fm	38.767005	-81.809685	4703501458	207
Angola Fm	38.768617	-81.364325	4708703425	282
Angola Fm	38.769606	-81.672598	4703501732	234
Angola Fm	38.770825	-81.694025	4703501712	229
Angola Fm	38.771783	-81.154286	4701303470	296
Angola Fm	38.773234	-81.1789	4701303792	295
Angola Fm	38.773952	-81.215159	4708701676	299
Angola Fm	38.774445	-81.803033	4703501454	217
Angola Fm	38.774574	-82.041186	4705300259	158
Angola Fm	38.774846	-81.366823	4708703426	301
Angola Fm	38.775701	-82.072065	4705300260	151
Angola Fm	38.775701	-81.822251	4703501443	200

Angola Fm	38.776137	-81.206889	4708703863	300
Angola Fm	38.776304	-81.784175	4703501432	211
Angola Fm	38.777588	-81.335928	4708703523	286
Angola Fm	38.778024	-81.67334	4703501731	233
Angola Fm	38.778604	-81.691504	4703501616	182
Angola Fm	38.779037	-81.832505	4705300144	197
Angola Fm	38.780056	-81.812056	4703501445	202
Angola Fm	38.780201	-81.310202	4708703856	220
Angola Fm	38.780491	-81.671486	4703501618	235
Angola Fm	38.780813	-81.370361	4708703439	282
Angola Fm	38.78085	-81.620136	4703501534	233
Angola Fm	38.781362	-81.503892	4708700019	590
Angola Fm	38.781507	-81.300564	4708703760	289
Angola Fm	38.782084	-81.177433	4701303635	296
Angola Fm	38.782233	-81.135009	4701303781	297
Angola Fm	38.783539	-81.666149	4703501593	268
Angola Fm	38.78441	-81.680754	4703501758	232
Angola Fm	38.784555	-81.675564	4703501575	262
Angola Fm	38.784602	-81.824298	4703501395	202
Angola Fm	38.784983	-81.351485	4708703584	257
Angola Fm	38.785358	-81.198548	4701303612	293
Angola Fm	38.786151	-81.306495	4708703853	228
Angola Fm	38.786442	-81.131673	4701303779	297
Angola Fm	38.786587	-81.792964	4703501441	208
Angola Fm	38.787202	-81.173637	4701303614	295
Angola Fm	38.787457	-81.834002	4703501414	203
Angola Fm	38.787854	-81.845685	4705300143	195
Angola Fm	38.787893	-81.806495	4703501431	204
Angola Fm	38.788098	-81.993594	4705300266	166
Angola Fm	38.78819	-81.180481	4701303613	297
Angola Fm	38.788834	-81.691817	4703501685	257
Angola Fm	38.788909	-81.166667	4701303657	307
Angola Fm	38.789158	-81.753151	4703501133	213
Angola Fm	38.789199	-81.195768	4701303195	297
Angola Fm	38.790239	-81.769173	4703501131	180
Angola Fm	38.790941	-81.202997	4701303649	292
Angola Fm	38.791969	-81.160218	4701303725	295
Angola Fm	38.791969	-81.160218	4701303725	297
Angola Fm	38.792883	-81.188079	4701303584	298
Angola Fm	38.792985	-81.141497	4701303772	299
Angola Fm	38.792985	-81.141497	4701303772	300
Angola Fm	38.793118	-81.826544	4703501398	203
Angola Fm	38.79313	-81.208372	4701303552	298
Angola Fm	38.79313	-81.172227	4701303636	251
Angola Fm	38.793152	-81.617328	4703501538	244
Angola Fm	38.793275	-81.29593	4708703471	289
Angola Fm	38.794576	-81.199362	4701303560	300
Angola Fm	38.795466	-81.840063	4703501378	200
Angola Fm	38.796468	-81.754449	4703501128	226

Angola Fm	38.79667	-81.191962	4701303561	300
Angola Fm	38.796834	-81.813779	4703501405	204
Angola Fm	38.798065	-81.206704	4701303553	299
Angola Fm	38.798067	-81.185456	4701303585	299
Angola Fm	38.7985	-81.834075	4703501460	200
Angola Fm	38.798972	-81.178256	4701303586	301
Angola Fm	38.799806	-81.138346	4701303773	297
Angola Fm	38.799806	-81.138346	4701303773	298
Angola Fm	38.799897	-81.197847	4701303551	295
Angola Fm	38.801293	-81.799043	4703501430	208
Angola Fm	38.801672	-81.603037	4703501535	248
Angola Fm	38.80255	-81.78783	4703501428	206
Angola Fm	38.802999	-81.190022	4701303573	298
Angola Fm	38.80353	-81.18325	4701303587	301
Angola Fm	38.80358	-81.748	4703501134	214
Angola Fm	38.804087	-81.730125	4703501140	220
Angola Fm	38.8041	-81.200248	4701303484	306
Angola Fm	38.804535	-81.836623	4703501393	200
Angola Fm	38.806337	-81.856132	4705300145	191
Angola Fm	38.806653	-81.197296	4701303574	300
Angola Fm	38.806804	-81.180767	4701303626	300
Angola Fm	38.807063	-81.04593	4701303804	297
Angola Fm	38.807063	-81.04593	4701303804	299
Angola Fm	38.807499	-81.13538	4701303774	297
Angola Fm	38.807499	-81.13538	4701303774	299
Angola Fm	38.807654	-81.705003	4703501070	274
Angola Fm	38.807789	-81.211114	4701303698	301
Angola Fm	38.808472	-81.187097	4701303509	302
Angola Fm	38.809613	-81.846002	4703501404	197
Angola Fm	38.810616	-81.742711	4703501136	215
Angola Fm	38.810949	-81.192616	4701303386	301
Angola Fm	38.810982	-81.052047	4701303797	294
Angola Fm	38.810982	-81.052047	4701303797	296
Angola Fm	38.811113	-81.177084	4701303371	302
Angola Fm	38.8123	-81.199637	4701303505	299
Angola Fm	38.812724	-81.18928	4701303701	302
Angola Fm	38.812765	-81.210063	4701303615	303
Angola Fm	38.812883	-81.769187	4703501466	210
Angola Fm	38.813014	-81.046115	4701303803	323
Angola Fm	38.813014	-81.046115	4701303803	325
Angola Fm	38.814051	-81.780777	4703501426	236
Angola Fm	38.815441	-81.204549	4701303375	296
Angola Fm	38.815678	-81.836749	4703501380	199
Angola Fm	38.815745	-81.188532	4701303485	301
Angola Fm	38.815745	-81.188532	4701303485	323
Angola Fm	38.816933	-81.812215	4703501376	204
Angola Fm	38.817368	-81.059461	4701303798	298
Angola Fm	38.817368	-81.059461	4701303798	298
Angola Fm	38.817764	-81.82482	4703501397	202

Angola Fm	38.818068	-81.196347	4701303625	299
Angola Fm	38.818094	-81.015941	4702104278	297
Angola Fm	38.819209	-81.181523	4701303558	304
Angola Fm	38.820713	-81.847337	4703501399	198
Angola Fm	38.820926	-81.411572	4708703237	282
Angola Fm	38.820997	-81.764458	4703501427	211
Angola Fm	38.821224	-81.880244	4705300125	187
Angola Fm	38.822334	-81.859439	4703501370	194
Angola Fm	38.823063	-81.676833	4703501517	230
Angola Fm	38.823697	-81.83525	4703501415	198
Angola Fm	38.824067	-81.802109	4703500790	205
Angola Fm	38.824389	-81.201147	4701303383	321
Angola Fm	38.82477	-81.433719	4708701022	278
Angola Fm	38.824971	-81.73543	4703501183	221
Angola Fm	38.825035	-81.208252	4701303508	294
Angola Fm	38.825786	-81.043891	4701303831	299
Angola Fm	38.825786	-81.043891	4701303831	310
Angola Fm	38.826367	-81.759639	4703501123	213
Angola Fm	38.826677	-81.879809	4705300138	185
Angola Fm	38.827345	-81.749551	4703501236	216
Angola Fm	38.828798	-81.826477	4703501389	200
Angola Fm	38.828824	-81.787742	4703501465	207
Angola Fm	38.830931	-81.756582	4703501444	214
Angola Fm	38.833079	-81.808346	4703501390	223
Angola Fm	38.83349	-81.7404	4703501215	200
Angola Fm	38.835087	-81.21204	4701303627	294
Angola Fm	38.836118	-81.873951	4703501373	191
Angola Fm	38.839015	-81.734799	4703501200	219
Angola Fm	38.839132	-81.858407	4703501365	193
Angola Fm	38.839731	-81.20485	4701303571	305
Angola Fm	38.8414	-81.822978	4703501391	203
Angola Fm	38.841826	-81.810932	4703501377	204
Angola Fm	38.841856	-81.212997	4701303559	292
Angola Fm	38.841906	-81.773454	4703501467	209
Angola Fm	38.841908	-81.23762	4708703716	297
Angola Fm	38.843002	-81.731364	4703501193	217
Angola Fm	38.84336	-81.749483	4703501229	214
Angola Fm	38.843928	-81.897164	4705300163	181
Angola Fm	38.843994	-81.791306	4703501410	155
Angola Fm	38.844316	-81.217897	4701303557	294
Angola Fm	38.845566	-81.241112	4708703708	294
Angola Fm	38.845682	-81.744663	4703501226	309
Angola Fm	38.845708	-81.885702	4703501525	188
Angola Fm	38.845877	-81.928122	4705300228	174
Angola Fm	38.847291	-81.781008	4703501293	227
Angola Fm	38.849241	-81.7799	4703501442	210
Angola Fm	38.849601	-80.948919	4702104425	280
Angola Fm	38.850036	-81.756302	4703501241	209
Angola Fm	38.850408	-81.809995	4703501400	205

Angola Fm	38.851342	-81.165778	4701303799	304
Angola Fm	38.851342	-81.165778	4701303799	307
Angola Fm	38.852649	-81.159106	4701303827	300
Angola Fm	38.852649	-81.159106	4701303827	300
Angola Fm	38.85381	-81.796486	4703501402	207
Angola Fm	38.85551	-81.785612	4703501382	206
Angola Fm	38.856093	-81.769541	4703501260	208
Angola Fm	38.856713	-81.137419	4701303868	298
Angola Fm	38.856713	-81.137419	4701303868	298
Angola Fm	38.85697	-81.743952	4703501220	215
Angola Fm	38.859334	-81.792296	4703501268	217
Angola Fm	38.859524	-81.788468	4703501446	208
Angola Fm	38.86037	-81.73157	4703501191	217
Angola Fm	38.861178	-81.949861	4705300158	171
Angola Fm	38.862228	-81.719841	4703501218	216
Angola Fm	38.863244	-82.080777	4705300276	146
Angola Fm	38.863305	-81.79829	4703501408	206
Angola Fm	38.865116	-81.760252	4703501248	213
Angola Fm	38.865775	-81.759854	4703501433	212
Angola Fm	38.866594	-82.080772	4705300164	143
Angola Fm	38.866644	-81.279531	4708702002	293
Angola Fm	38.866727	-81.771131	4703501267	210
Angola Fm	38.869394	-81.824663	4703501387	198
Angola Fm	38.870936	-81.105205	4701303882	297
Angola Fm	38.870936	-81.105205	4701303882	298
Angola Fm	38.871372	-81.650579	4703501943	264
Angola Fm	38.871523	-81.823662	4703501425	199
Angola Fm	38.872678	-81.738176	4703501206	237
Angola Fm	38.874502	-81.750395	4703501240	216
Angola Fm	38.875	-81.717416	4703501190	217
Angola Fm	38.875593	-81.732257	4703501197	166
Angola Fm	38.875753	-81.592204	4703501782	245
Angola Fm	38.877744	-81.81599	4703501375	160
Angola Fm	38.878186	-81.774977	4703501266	207
Angola Fm	38.878785	-81.306707	4708703770	292
Angola Fm	38.878965	-81.298419	4708703742	292
Angola Fm	38.879691	-81.993123	4705300162	160
Angola Fm	38.881253	-82.052436	4705300159	147
Angola Fm	38.882038	-81.803789	4703501413	203
Angola Fm	38.882994	-81.102273	4701302503	332
Angola Fm	38.883036	-81.762914	4703501502	211
Angola Fm	38.884131	-81.298448	4708703741	293
Angola Fm	38.884343	-81.306491	4708703736	293
Angola Fm	38.885364	-81.775338	4703501269	220
Angola Fm	38.8857	-81.278718	4708703735	296
Angola Fm	38.886642	-81.751911	4703501244	105
Angola Fm	38.887151	-81.579989	4703501783	242
Angola Fm	38.88734	-81.804309	4703501457	201
Angola Fm	38.887437	-82.036532	4705300274	150

Angola Fm	38.888074	-81.490642	4708703450	268
Angola Fm	38.888678	-81.56209	4703501647	264
Angola Fm	38.888967	-81.820641	4703501275	197
Angola Fm	38.889375	-81.719326	4703501201	218
Angola Fm	38.889739	-81.742759	4703501216	120
Angola Fm	38.890049	-82.030452	4705300275	150
Angola Fm	38.890091	-81.796798	4703501406	202
Angola Fm	38.890832	-82.05485	4705300193	148
Angola Fm	38.891594	-81.245288	4701303171	310
Angola Fm	38.891703	-81.567662	4703501646	264
Angola Fm	38.892277	-81.792813	4703501435	202
Angola Fm	38.893278	-81.258445	4701303624	294
Angola Fm	38.893793	-81.724997	4703501224	240
Angola Fm	38.894378	-81.788374	4703501282	202
Angola Fm	38.894606	-81.812649	4703501451	198
Angola Fm	38.894606	-81.79928	4703501411	201
Angola Fm	38.894632	-81.805545	4703501374	201
Angola Fm	38.894747	-81.251233	4701303607	293
Angola Fm	38.894751	-82.059492	4705300277	147
Angola Fm	38.896681	-81.418755	4708703197	299
Angola Fm	38.89925	-80.648767	4702104521	104
Angola Fm	38.899395	-81.795566	4703501434	201
Angola Fm	38.90012	-82.019868	4705300195	154
Angola Fm	38.900844	-81.741682	4703501247	217
Angola Fm	38.902308	-81.726828	4703501235	217
Angola Fm	38.90404	-81.631313	4703501956	261
Angola Fm	38.904633	-82.010513	4705300170	155
Angola Fm	38.90473	-81.809546	4703501462	200
Angola Fm	38.90787	-81.796944	4703501456	203
Angola Fm	38.907958	-81.696376	4703501455	324
Angola Fm	38.908195	-81.720649	4703500675	222
Angola Fm	38.910861	-82.008204	4705300192	154
Angola Fm	38.911151	-81.644497	4703501558	234
Angola Fm	38.911388	-81.774146	4703501580	207
Angola Fm	38.911732	-81.326389	4710501023	291
Angola Fm	38.912345	-81.79038	4703501521	203
Angola Fm	38.91263	-81.72817	4703501163	218
Angola Fm	38.915262	-81.785157	4703501407	204
Angola Fm	38.918275	-80.981358	4702104465	300
Angola Fm	38.91842	-81.699718	4703501574	254
Angola Fm	38.918723	-81.798186	4703501384	200
Angola Fm	38.919157	-81.77523	4703501412	156
Angola Fm	38.921033	-82.102273	4705300107	125
Angola Fm	38.921033	-81.806521	4703501523	199
Angola Fm	38.921101	-81.992638	4705300282	158
Angola Fm	38.921323	-81.33066	4710501022	324
Angola Fm	38.921758	-81.302065	4710501025	289
Angola Fm	38.923645	-82.052622	4705300133	144
Angola Fm	38.925387	-81.31172	4710501071	295

Angola Fm	38.927162	-82.056684	4705300146	141
Angola Fm	38.927854	-82.037136	4705300172	148
Angola Fm	38.928241	-81.291245	4710500587	284
Angola Fm	38.929741	-81.327689	4710500916	292
Angola Fm	38.930599	-81.352037	4710500983	410
Angola Fm	38.931483	-81.962604	4705300188	160
Angola Fm	38.932798	-81.996705	4705300281	152
Angola Fm	38.932934	-81.739528	4703501947	210
Angola Fm	38.933003	-81.992528	4705300165	152
Angola Fm	38.933817	-81.919433	4705300137	170
Angola Fm	38.935432	-81.346939	4710500979	368
Angola Fm	38.941933	-81.731358	4703501832	213
Angola Fm	38.942648	-81.709379	4703501513	217
Angola Fm	38.942803	-81.681521	4703501383	222
Angola Fm	38.944466	-81.692743	4703501500	221
Angola Fm	38.945632	-81.365406	4710500746	313
Angola Fm	38.946718	-81.927622	4705300272	168
Angola Fm	38.949625	-81.986557	4705300280	153
Angola Fm	38.950289	-81.301425	4710500537	308
Angola Fm	38.951315	-81.711631	4703501511	218
Angola Fm	38.951443	-81.926944	4705300273	168
Angola Fm	38.951657	-81.398767	4710500870	296
Angola Fm	38.95202	-81.700763	4703501461	219
Angola Fm	38.952236	-81.980534	4705300136	154
Angola Fm	38.952787	-81.684551	4703501499	221
Angola Fm	38.953611	-81.290858	4710500531	280
Angola Fm	38.955315	-81.65335	4703501385	224
Angola Fm	38.958043	-81.22783	4701303619	290
Angola Fm	38.958188	-82.02321	4705300243	147
Angola Fm	38.960087	-81.231915	4701303620	366
Angola Fm	38.961737	-81.592259	4703501203	242
Angola Fm	38.963061	-81.9752	4705300283	154
Angola Fm	38.963135	-81.301136	4710501078	496
Angola Fm	38.964876	-81.680778	4703501388	225
Angola Fm	38.966763	-81.691548	4703501506	222
Angola Fm	38.967489	-82.006499	4705300139	150
Angola Fm	38.967517	-81.324692	4710500545	403
Angola Fm	38.969521	-81.209633	4701303628	270
Angola Fm	38.969811	-81.226159	4701303409	333
Angola Fm	38.971844	-81.633754	4703501212	218
Angola Fm	38.972225	-81.958072	4705300291	159
Angola Fm	38.972232	-81.732403	4703501532	212
Angola Fm	38.97294	-81.667132	4703501464	222
Angola Fm	38.97402	-81.219846	4701300368	704
Angola Fm	38.974601	-81.229687	4710500958	332
Angola Fm	38.976052	-81.937834	4705300423	165
Angola Fm	38.978189	-81.223505	4710501045	297
Angola Fm	38.978519	-81.309306	4710501028	320
Angola Fm	38.979775	-81.737116	4703501550	212

Angola Fm	38.979787	-81.220142	4701303428	297
Angola Fm	38.980588	-81.236158	4710500073	333
Angola Fm	38.983269	-81.317462	4710500548	320
Angola Fm	38.984615	-81.202689	4701303676	338
Angola Fm	38.986937	-81.207888	4701303675	300
Angola Fm	38.989985	-81.036394	4701303467	432
Angola Fm	38.995032	-81.735983	4703501555	210
Angola Fm	38.995418	-82.001457	4705300284	150
Angola Fm	38.995936	-81.178922	4701303572	295
Angola Fm	38.998258	-81.287322	4710501128	300
Angola Fm	38.999565	-81.294081	4710501035	323
Angola Fm	39.001404	-81.344167	4710500897	324
Angola Fm	39.002044	-81.307291	4710501029	308
Angola Fm	39.002769	-81.297805	4710501180	270
Angola Fm	39.005527	-81.269159	4710501036	318
Angola Fm	39.005962	-81.310454	4710501112	320
Angola Fm	39.006253	-81.32087	4710501179	320
Angola Fm	39.006325	-81.341575	4710500898	322
Angola Fm	39.006398	-81.299479	4710501177	325
Angola Fm	39.007087	-81.724343	4703501614	245
Angola Fm	39.009736	-81.169271	4701303583	295
Angola Fm	39.010607	-81.271205	4710500986	328
Angola Fm	39.012929	-81.306919	4710501060	325
Angola Fm	39.013219	-81.223028	4710501083	300
Angola Fm	39.014816	-81.747209	4703501611	190
Angola Fm	39.017428	-81.324404	4710500933	312
Angola Fm	39.017574	-81.306175	4710501059	260
Angola Fm	39.018444	-81.314918	4710501174	286
Angola Fm	39.019751	-81.270275	4710501026	316
Angola Fm	39.021347	-81.09003	4708507135	306
Angola Fm	39.023815	-81.085751	4708507126	320
Angola Fm	39.027153	-81.192708	4710501181	292
Angola Fm	39.027588	-81.081287	4708507127	300
Angola Fm	39.031072	-81.063802	4708507130	311
Angola Fm	39.031964	-81.638948	4703501589	228
Angola Fm	39.033829	-80.990513	4708504923	310
Angola Fm	39.034883	-81.20743	4710501030	330
Angola Fm	39.036442	-81.074404	4708507004	306
Angola Fm	39.036732	-81.0093	4708506839	310
Angola Fm	39.037022	-81.296689	4710501015	360
Angola Fm	39.038183	-81.299665	4710501096	342
Angola Fm	39.038328	-81.293527	4710501097	342
Angola Fm	39.03877	-81.680778	4703500998	222
Angola Fm	39.03949	-81.585751	4710700247	241
Angola Fm	39.03978	-81.005766	4708506896	310
Angola Fm	39.041169	-81.294888	4710501038	365
Angola Fm	39.041376	-81.299479	4710501048	342
Angola Fm	39.041667	-81.000744	4708507124	300
Angola Fm	39.042404	-81.78218	4703501605	198

Angola Fm	39.042404	-81.310826	4710500948	320
Angola Fm	39.042694	-81.025297	4708506854	310
Angola Fm	39.042985	-81.190848	4708506701	305
Angola Fm	39.042985	-81.168713	4708505948	325
Angola Fm	39.044436	-81.170945	4708505926	300
Angola Fm	39.044581	-81.583519	4710700252	223
Angola Fm	39.044872	-81.315476	4710500945	410
Angola Fm	39.045645	-81.294097	4710501039	317
Angola Fm	39.046468	-80.994233	4708507466	310
Angola Fm	39.046993	-81.302533	4710500941	340
Angola Fm	39.047339	-81.558407	4710700288	244
Angola Fm	39.047776	-81.762666	4703501586	192
Angola Fm	39.0485	-81.00651	4708506847	310
Angola Fm	39.049222	-81.775536	4703501571	197
Angola Fm	39.049371	-81.317708	4710500944	340
Angola Fm	39.049661	-81.584077	4710700271	230
Angola Fm	39.049951	-81.553385	4710700309	246
Angola Fm	39.051317	-81.295753	4710500946	151
Angola Fm	39.051548	-81.334263	4710501155	300
Angola Fm	39.051754	-81.315275	4710500942	285
Angola Fm	39.051838	-81.786644	4703501587	196
Angola Fm	39.052999	-81.57645	4710700279	225
Angola Fm	39.053435	-81.551897	4710700302	245
Angola Fm	39.053435	-81.320126	4710500943	413
Angola Fm	39.05387	-81.042225	4708507069	310
Angola Fm	39.054015	-81.058965	4708507492	320
Angola Fm	39.055902	-81.00279	4708507485	325
Angola Fm	39.056192	-81.008184	4708507484	325
Angola Fm	39.056773	-81.577566	4710700281	245
Angola Fm	39.057644	-81.774553	4703501584	198
Angola Fm	39.057789	-81.015625	4708507479	300
Angola Fm	39.058065	-81.7047	4703501246	233
Angola Fm	39.058092	-81.800227	4703501576	193
Angola Fm	39.058369	-81.023065	4708507490	300
Angola Fm	39.059095	-80.965774	4708506807	312
Angola Fm	39.060103	-81.786178	4703501573	197
Angola Fm	39.060692	-81.004092	4708507501	300
Angola Fm	39.061272	-81.018973	4708507489	300
Angola Fm	39.061417	-81.013207	4708507480	300
Angola Fm	39.062433	-80.968006	4708506981	300
Angola Fm	39.062438	-81.420377	4710501003	277
Angola Fm	39.062578	-81.554687	4710700304	244
Angola Fm	39.065626	-81.551711	4710700322	243
Angola Fm	39.069063	-81.271198	4710500975	318
Angola Fm	39.069255	-81.313616	4710500976	311
Angola Fm	39.069545	-81.144903	4708505704	299
Angola Fm	39.071722	-81.660156	4710701186	200
Angola Fm	39.071867	-81.545573	4710700321	242
Angola Fm	39.072158	-81.321614	4710500969	324

Angola Fm	39.072241	-81.138248	4708502832	292
Angola Fm	39.072738	-80.970424	4708507153	280
Angola Fm	39.073174	-81.021205	4708507073	300
Angola Fm	39.073343	-81.305858	4710500951	400
Angola Fm	39.073754	-81.550967	4710700329	242
Angola Fm	39.074034	-81.293167	4710501017	317
Angola Fm	39.074044	-81.104352	4708503828	306
Angola Fm	39.075931	-81.323288	4710500973	332
Angola Fm	39.076947	-81.004464	4708507024	314
Angola Fm	39.077237	-81.69494	4710701225	214
Angola Fm	39.077237	-81.546131	4710700333	241
Angola Fm	39.077818	-81.535714	4710700336	242
Angola Fm	39.077963	-81.454426	4710500867	266
Angola Fm	39.07956	-81.702194	4710701206	214
Angola Fm	39.079705	-81.375186	4710501142	280
Angola Fm	39.07985	-81.53311	4710700346	241
Angola Fm	39.079995	-81.545759	4710700334	240
Angola Fm	39.080431	-81.687686	4710700426	224
Angola Fm	39.080576	-81.50837	4710700756	247
Angola Fm	39.080721	-80.964286	4708507025	314
Angola Fm	39.080866	-81.304687	4710501042	323
Angola Fm	39.081882	-81.027901	4708505075	314
Angola Fm	39.082608	-80.984747	4708506273	314
Angola Fm	39.082898	-80.979352	4708506793	304
Angola Fm	39.083043	-80.841518	4708507264	300
Angola Fm	39.08349	-80.96875	4708506796	311
Angola Fm	39.084216	-80.87686	4708507155	310
Angola Fm	39.084506	-80.846354	4708507156	310
Angola Fm	39.084797	-81.736421	4703501622	207
Angola Fm	39.085522	-81.004464	4708507384	310
Angola Fm	39.085667	-81.45331	4710500752	261
Angola Fm	39.086103	-80.831101	4708507263	310
Angola Fm	39.08618	-81.31716	4710500721	170
Angola Fm	39.086974	-81.309524	4710501016	275
Angola Fm	39.087264	-80.966146	4708507224	310
Angola Fm	39.087264	-80.837798	4708507327	300
Angola Fm	39.088233	-81.316166	4710500296	245
Angola Fm	39.090682	-81.320061	4710500972	275
Angola Fm	39.090747	-80.981398	4708507325	300
Angola Fm	39.091908	-81.707961	4710701209	212
Angola Fm	39.091908	-81.529203	4710700349	240
Angola Fm	39.092002	-81.541885	4710700586	238
Angola Fm	39.092489	-81.132812	4708507207	298
Angola Fm	39.092489	-81.125558	4708506205	299
Angola Fm	39.093215	-80.84561	4708507160	300
Angola Fm	39.09336	-81.275855	4710501034	287
Angola Fm	39.093795	-81.326636	4710500961	300
Angola Fm	39.094811	-80.972284	4708506658	187
Angola Fm	39.095101	-81.001116	4708506274	325

Angola Fm	39.095608	-81.714544	4710700583	210
Angola Fm	39.095972	-81.223958	4708506043	305
Angola Fm	39.096117	-81.198474	4708507163	305
Angola Fm	39.097133	-81.198102	4708507344	305
Angola Fm	39.098585	-81.45052	4710500887	260
Angola Fm	39.099165	-81.438802	4710501024	249
Angola Fm	39.099657	-81.311657	4710501032	317
Angola Fm	39.100472	-81.191592	4708507125	296
Angola Fm	39.102213	-81.191592	4708507107	296
Angola Fm	39.102932	-81.706942	4710700421	212
Angola Fm	39.103371	-81.30238	4710500938	423
Angola Fm	39.103665	-81.255952	4708506035	285
Angola Fm	39.105697	-81.390439	4710501167	250
Angola Fm	39.105697	-81.191406	4708506082	296
Angola Fm	39.105697	-81.191406	4708506082	300
Angola Fm	39.105842	-81.194754	4708506287	296
Angola Fm	39.107438	-80.902715	4708507464	300
Angola Fm	39.108744	-81.708891	4710701213	214
Angola Fm	39.109035	-81.164248	4708505501	290
Angola Fm	39.109035	-81.082031	4708507475	320
Angola Fm	39.111792	-81.403087	4710501147	280
Angola Fm	39.112373	-81.202938	4708505603	292
Angola Fm	39.112663	-81.181919	4708506203	297
Angola Fm	39.113389	-80.987909	4708507481	324
Angola Fm	39.113679	-81.156621	4708506926	290
Angola Fm	39.11455	-81.150855	4708506912	297
Angola Fm	39.114695	-81.218192	4708505987	289
Angola Fm	39.115081	-81.31237	4710501005	309
Angola Fm	39.115276	-81.498883	4710700803	245
Angola Fm	39.116147	-81.394717	4710501049	275
Angola Fm	39.116292	-81.234189	4708505868	286
Angola Fm	39.116292	-81.149181	4708505539	299
Angola Fm	39.116437	-81.113095	4708506222	300
Angola Fm	39.117163	-80.985491	4708505553	310
Angola Fm	39.117241	-81.390091	4710500982	276
Angola Fm	39.117888	-80.991071	4708507196	310
Angola Fm	39.118324	-81.246465	4708505282	288
Angola Fm	39.118469	-81.384858	4710500981	281
Angola Fm	39.118469	-81.06622	4708506749	272
Angola Fm	39.118904	-81.387835	4710501087	278
Angola Fm	39.119194	-81.140811	4708506308	310
Angola Fm	39.119481	-81.67259	4710700594	216
Angola Fm	39.119911	-81.277784	4708501277	309
Angola Fm	39.120646	-81.113281	4708506221	302
Angola Fm	39.120791	-81.222284	4708506662	293
Angola Fm	39.121807	-81.210565	4708506201	291
Angola Fm	39.122097	-81.382254	4710501129	370
Angola Fm	39.12224	-81.309918	4710500977	300
Angola Fm	39.122678	-81.156063	4708505661	289

Angola Fm	39.122678	-81.108817	4708506227	300
Angola Fm	39.122968	-81.394903	4710501202	260
Angola Fm	39.123403	-81.240885	4708505505	286
Angola Fm	39.123839	-81.140067	4708506424	311
Angola Fm	39.123839	-81.102678	4708506342	270
Angola Fm	39.124274	-81.212984	4708505639	305
Angola Fm	39.124419	-80.977306	4708505591	306
Angola Fm	39.124419	-80.977306	4708505591	312
Angola Fm	39.124565	-81.113467	4708506226	300
Angola Fm	39.12471	-81.15811	4708505498	287
Angola Fm	39.12471	-80.990699	4708507184	314
Angola Fm	39.125	-81.125	4708505494	290
Angola Fm	39.125302	-81.222681	4708506248	289
Angola Fm	39.125447	-81.151646	4708505543	295
Angola Fm	39.125737	-81.089296	4708507363	320
Angola Fm	39.125737	-80.996905	4708507195	314
Angola Fm	39.125955	-81.406814	4710501013	270
Angola Fm	39.126028	-81.223427	4708505642	268
Angola Fm	39.126028	-81.219141	4708505640	305
Angola Fm	39.126028	-80.969514	4708507136	300
Angola Fm	39.126318	-81.160777	4708505647	278
Angola Fm	39.126608	-81.374141	4710501108	280
Angola Fm	39.126899	-81.715487	4710700364	210
Angola Fm	39.126899	-81.286522	4708504394	306
Angola Fm	39.127189	-81.155373	4708505537	325
Angola Fm	39.127769	-80.985539	4708507180	300
Angola Fm	39.12806	-81.184182	4708505071	292
Angola Fm	39.128495	-81.104203	4708506345	275
Angola Fm	39.12864	-81.114824	4708505819	299
Angola Fm	39.12864	-80.992619	4708506752	317
Angola Fm	39.128785	-81.092837	4708506724	289
Angola Fm	39.128931	-81.683437	4710700443	214
Angola Fm	39.129221	-81.691636	4710701230	205
Angola Fm	39.129366	-81.212619	4708505816	292
Angola Fm	39.129656	-81.309928	4710501004	322
Angola Fm	39.130092	-81.139162	4708505708	290
Angola Fm	39.131108	-81.269752	4708505109	287
Angola Fm	39.131543	-81.374141	4710501008	285
Angola Fm	39.132269	-80.987402	4708506753	314
Angola Fm	39.132414	-80.971004	4708505836	313
Angola Fm	39.132559	-81.633758	4710700228	217
Angola Fm	39.132559	-81.178406	4708505468	289
Angola Fm	39.132559	-81.11352	4708505818	270
Angola Fm	39.132559	-81.106812	4708506327	273
Angola Fm	39.132704	-80.868738	4708507193	309
Angola Fm	39.132994	-81.198344	4708506407	300
Angola Fm	39.133865	-81.264907	4708505088	282
Angola Fm	39.134156	-81.184555	4708505344	292
Angola Fm	39.135026	-81.097495	4708506943	275

Angola Fm	39.135324	-81.313554	4710500970	330
Angola Fm	39.135607	-80.872837	4708507189	310
Angola Fm	39.135607	-80.856998	4708506858	307
Angola Fm	39.135897	-81.103085	4708506326	272
Angola Fm	39.136188	-80.884317	4708506522	300
Angola Fm	39.136623	-81.088364	4708507237	325
Angola Fm	39.136702	-81.399288	4710501011	271
Angola Fm	39.137349	-81.271429	4708505107	282
Angola Fm	39.137639	-81.108489	4708506325	270
Angola Fm	39.137929	-80.862402	4708507138	308
Angola Fm	39.138074	-81.261553	4708504847	282
Angola Fm	39.1388	-80.838178	4708505815	307
Angola Fm	39.139381	-81.694245	4710701222	212
Angola Fm	39.139671	-80.86911	4708507191	309
Angola Fm	39.139816	-80.986284	4708507206	320
Angola Fm	39.139961	-80.92412	4708505552	310
Angola Fm	39.140106	-80.856812	4708506859	308
Angola Fm	39.140251	-81.10234	4708507447	320
Angola Fm	39.140542	-81.271243	4708505111	283
Angola Fm	39.140542	-81.178592	4708505406	291
Angola Fm	39.140832	-81.318127	4708505893	280
Angola Fm	39.142283	-80.959265	4708505499	316
Angola Fm	39.142574	-80.977526	4708506965	310
Angola Fm	39.142719	-81.41853	4710701263	266
Angola Fm	39.144025	-81.180642	4708505481	290
Angola Fm	39.144606	-81.543903	4710701303	238
Angola Fm	39.144896	-81.200207	4708504402	290
Angola Fm	39.145041	-81.663758	4710700819	214
Angola Fm	39.146202	-80.888975	4708507360	313
Angola Fm	39.146783	-81.425797	4710701273	264
Angola Fm	39.147799	-81.699276	4710701231	211
Angola Fm	39.148669	-80.864079	4708507319	312
Angola Fm	39.14896	-81.122464	4708505099	285
Angola Fm	39.150121	-81.241501	4708505237	286
Angola Fm	39.150701	-81.100663	4708505895	270
Angola Fm	39.150701	-80.98498	4708505516	316
Angola Fm	39.150701	-80.887298	4708505005	314
Angola Fm	39.150992	-81.272733	4708505202	315
Angola Fm	39.151427	-80.877981	4708504972	312
Angola Fm	39.151572	-81.245042	4708505238	282
Angola Fm	39.152878	-80.847681	4708506218	304
Angola Fm	39.153314	-81.246533	4708505174	283
Angola Fm	39.153314	-80.883758	4708505004	314
Angola Fm	39.153604	-80.949462	4708505002	314
Angola Fm	39.153894	-81.259317	4708505269	282
Angola Fm	39.155346	-81.25559	4708505255	284
Angola Fm	39.155346	-81.25559	4708505255	288
Angola Fm	39.155346	-81.107557	4708505930	290
Angola Fm	39.155781	-81.722309	4710701302	183

Angola Fm	39.156217	-80.879472	4708504979	312
Angola Fm	39.156507	-81.198344	4708505635	289
Angola Fm	39.156797	-81.275715	4708507311	306
Angola Fm	39.157088	-81.714296	4710701055	190
Angola Fm	39.157088	-80.854762	4708504593	304
Angola Fm	39.15941	-80.896802	4708507151	300
Angola Fm	39.15941	-80.849917	4708507276	304
Angola Fm	39.160135	-80.876304	4708504977	318
Angola Fm	39.161151	-81.245974	4708505541	286
Angola Fm	39.161442	-81.039131	4708507385	300
Angola Fm	39.161732	-81.169648	4708505458	290
Angola Fm	39.162748	-80.880776	4708506265	316
Angola Fm	39.163328	-81.703003	4710701221	208
Angola Fm	39.164054	-81.25969	4708505347	286
Angola Fm	39.16449	-81.450021	4710701274	250
Angola Fm	39.164635	-81.267516	4708506009	286
Angola Fm	39.165215	-81.037827	4708507223	316
Angola Fm	39.165651	-80.921325	4708504999	312
Angola Fm	39.166824	-81.685859	4710701245	208
Angola Fm	39.167114	-81.258944	4708505251	287
Angola Fm	39.167259	-81.747278	4710701260	190
Angola Fm	39.167985	-80.859793	4708504992	307
Angola Fm	39.170017	-81.732185	4710701259	207
Angola Fm	39.170162	-81.713737	4710701183	205
Angola Fm	39.170307	-81.308437	4708507059	290
Angola Fm	39.171033	-80.972868	4708505529	319
Angola Fm	39.171323	-80.860352	4708504993	307
Angola Fm	39.171758	-81.263044	4708505190	287
Angola Fm	39.172142	-81.609668	4710700495	220
Angola Fm	39.172339	-81.625186	4710701180	220
Angola Fm	39.172484	-80.94294	4708506803	316
Angola Fm	39.17379	-80.966532	4708505567	317
Angola Fm	39.173935	-80.969886	4708505568	317
Angola Fm	39.174081	-81.473799	4710700352	253
Angola Fm	39.174226	-80.992619	4708506513	300
Angola Fm	39.174516	-81.741315	4710701258	195
Angola Fm	39.175242	-81.219886	4708506664	287
Angola Fm	39.176258	-80.964482	4708505575	317
Angola Fm	39.176403	-81.141211	4708505846	293
Angola Fm	39.176403	-80.923002	4708504904	314
Angola Fm	39.177167	-81.733114	4710700407	190
Angola Fm	39.177564	-81.151087	4708505345	289
Angola Fm	39.177709	-81.688655	4710701253	206
Angola Fm	39.177854	-81.70617	4710701301	205
Angola Fm	39.179306	-80.951885	4708504890	316
Angola Fm	39.179741	-81.300425	4708507437	285
Angola Fm	39.180031	-81.27087	4708505694	286
Angola Fm	39.181773	-81.748955	4710701226	205
Angola Fm	39.182353	-81.211501	4708506682	288

Angola Fm	39.182644	-81.216905	4708506558	289
Angola Fm	39.182789	-80.913386	4708504878	306
Angola Fm	39.182934	-81.715041	4710701267	218
Angola Fm	39.182934	-81.699276	4710701254	205
Angola Fm	39.183079	-81.292412	4708506092	345
Angola Fm	39.183224	-81.139348	4708505386	291
Angola Fm	39.183369	-81.4091	4710701237	256
Angola Fm	39.183369	-81.073158	4708506372	300
Angola Fm	39.183515	-80.9997	4708505740	300
Angola Fm	39.184095	-80.953748	4708504930	321
Angola Fm	39.184385	-81.431201	4710701232	256
Angola Fm	39.184385	-80.873396	4708507509	300
Angola Fm	39.185692	-81.736657	4710701252	195
Angola Fm	39.185982	-80.957661	4708505455	320
Angola Fm	39.186417	-81.214482	4708506821	296
Angola Fm	39.186562	-80.960569	4708504937	319
Angola Fm	39.188014	-81.6853	4710701224	206
Angola Fm	39.188304	-81.2841	4708505775	302
Angola Fm	39.18874	-81.27087	4708506012	286
Angola Fm	39.188885	-80.899969	4708504929	308
Angola Fm	39.18896	-81.446589	4710700469	250
Angola Fm	39.18903	-80.951139	4708504569	314
Angola Fm	39.18961	-80.955798	4708504922	319
Angola Fm	39.190481	-81.716905	4710700180	190
Angola Fm	39.190481	-81.160963	4708505703	291
Angola Fm	39.190917	-80.905	4708505199	310
Angola Fm	39.191207	-81.712433	4710701255	205
Angola Fm	39.191207	-81.270684	4708505762	285
Angola Fm	39.191352	-81.659659	4710701184	212
Angola Fm	39.192078	-80.96206	4708504938	317
Angola Fm	39.193239	-81.171511	4708505338	293
Angola Fm	39.193384	-80.949835	4708504568	326
Angola Fm	39.19469	-81.151833	4708505510	291
Angola Fm	39.195416	-81.089855	4708507428	320
Angola Fm	39.195561	-80.902205	4708505206	306
Angola Fm	39.196722	-80.948717	4708504932	321
Angola Fm	39.198319	-81.341346	4710701313	280
Angola Fm	39.199915	-81.171139	4708505697	292
Angola Fm	39.201657	-80.878354	4708504958	304
Angola Fm	39.201947	-81.623955	4710701227	218
Angola Fm	39.203675	-81.620474	4710700598	219
Angola Fm	39.203689	-81.140093	4708506967	290
Angola Fm	39.204269	-81.216346	4708505983	275
Angola Fm	39.20456	-80.889721	4708505044	309
Angola Fm	39.204995	-80.884503	4708505043	309
Angola Fm	39.206011	-81.096191	4708507375	336
Angola Fm	39.206882	-80.92617	4708504872	312
Angola Fm	39.207027	-81.086128	4708506732	290
Angola Fm	39.207172	-80.894752	4708505161	311

Angola Fm	39.208043	-81.067009	4708505970	290
Angola Fm	39.208043	-81.035777	4708506339	302
Angola Fm	39.208188	-81.13059	4708506259	292
Angola Fm	39.209216	-81.206729	4708505337	282
Angola Fm	39.209942	-81.335197	4710701364	275
Angola Fm	39.210087	-80.96765	4708507446	300
Angola Fm	39.210232	-81.284659	4708505738	283
Angola Fm	39.210377	-80.898479	4708505143	317
Angola Fm	39.210812	-81.027764	4708506340	304
Angola Fm	39.211683	-81.691822	4710700387	190
Angola Fm	39.211828	-81.136367	4708506638	289
Angola Fm	39.212699	-81.012857	4708506475	311
Angola Fm	39.214151	-80.92207	4708507220	300
Angola Fm	39.214296	-81.706543	4710700375	210
Angola Fm	39.214731	-80.968582	4708506833	319
Angola Fm	39.214876	-81.039317	4708506699	300
Angola Fm	39.214876	-80.930269	4708504808	314
Angola Fm	39.215747	-81.279441	4708505947	283
Angola Fm	39.216038	-80.914317	4708505056	317
Angola Fm	39.218215	-81.01882	4708506929	305
Angola Fm	39.219231	-81.040622	4708506801	297
Angola Fm	39.219376	-80.915994	4708504519	308
Angola Fm	39.219521	-81.647174	4710701182	212
Angola Fm	39.220101	-81.07763	4708506268	290
Angola Fm	39.220682	-81.687537	4710700366	210
Angola Fm	39.220972	-80.883013	4708504800	308
Angola Fm	39.221553	-80.888975	4708504431	309
Angola Fm	39.222133	-81.028696	4708507121	299
Angola Fm	39.22344	-81.658541	4710701266	210
Angola Fm	39.223875	-81.498396	4710701238	245
Angola Fm	39.224979	-80.88453	4708504838	315
Angola Fm	39.227649	-81.6853	4710700895	210
Angola Fm	39.227794	-81.132826	4708507099	289
Angola Fm	39.227794	-80.887857	4708504876	300
Angola Fm	39.228084	-81.03615	4708505393	293
Angola Fm	39.229826	-81.12705	4708507386	280
Angola Fm	39.230261	-81.652764	4710701052	209
Angola Fm	39.230551	-81.22324	4708506653	288
Angola Fm	39.23114	-81.258738	4708503503	300
Angola Fm	39.231713	-80.898292	4708504479	300
Angola Fm	39.232003	-81.019752	4708507465	300
Angola Fm	39.232583	-81.182692	4708505325	290
Angola Fm	39.233164	-80.444617	4703300527	46
Angola Fm	39.23389	-81.222868	4708506050	288
Angola Fm	39.23447	-81.662268	4710701330	220
Angola Fm	39.23476	-81.665435	4710700740	206
Angola Fm	39.23476	-80.912081	4708504873	300
Angola Fm	39.235486	-81.081729	4708506117	290
Angola Fm	39.235631	-81.675238	4710700727	179

Angola Fm	39.236502	-81.076885	4708506116	290
Angola Fm	39.237083	-81.650715	4710700734	207
Angola Fm	39.237083	-80.900156	4708504482	300
Angola Fm	39.237663	-81.203748	4708505298	294
Angola Fm	39.238117	-81.257201	4708501256	306
Angola Fm	39.238969	-81.670952	4710700759	204
Angola Fm	39.239115	-81.242806	4708505450	283
Angola Fm	39.23984	-81.247837	4708505449	286
Angola Fm	39.240136	-81.265663	4708502005	283
Angola Fm	39.240421	-81.164876	4708505772	289
Angola Fm	39.241001	-81.082661	4708506003	291
Angola Fm	39.241001	-81.078562	4708506182	292
Angola Fm	39.241292	-80.96206	4708504387	314
Angola Fm	39.241423	-81.65881	4710700763	206
Angola Fm	39.243178	-81.087433	4708505339	290
Angola Fm	39.243324	-81.059182	4708505495	291
Angola Fm	39.243324	-81.027951	4708505959	300
Angola Fm	39.243614	-81.218768	4708506831	294
Angola Fm	39.244049	-81.246905	4708506052	285
Angola Fm	39.24463	-81.252795	4708506058	290
Angola Fm	39.246517	-81.080239	4708505995	291
Angola Fm	39.246517	-80.963923	4708504801	315
Angola Fm	39.247373	-81.631128	4710700493	208
Angola Fm	39.247388	-81.258013	4708506068	293
Angola Fm	39.247678	-81.064959	4708505496	290
Angola Fm	39.248113	-81.608116	4710701309	219
Angola Fm	39.248984	-81.145684	4708505771	288
Angola Fm	39.249419	-81.66853	4710700755	206
Angola Fm	39.249855	-80.976408	4708504802	310
Angola Fm	39.250157	-81.177867	4708505754	287
Angola Fm	39.251511	-81.644451	4710700762	206
Angola Fm	39.251608	-81.690374	4710700769	201
Angola Fm	39.251753	-81.092293	4708505628	295
Angola Fm	39.252915	-81.257467	4708501894	282
Angola Fm	39.253205	-81.078067	4708506293	295
Angola Fm	39.256543	-81.42824	4710701195	252
Angola Fm	39.256833	-81.195227	4708506258	287
Angola Fm	39.256978	-81.2724	4710700351	281
Angola Fm	39.256978	-81.057534	4708506055	292
Angola Fm	39.257994	-81.080867	4708505755	290
Angola Fm	39.25814	-81.18552	4708505734	286
Angola Fm	39.25814	-81.073774	4708506190	294
Angola Fm	39.25872	-81.021467	4708507413	300
Angola Fm	39.259493	-81.236302	4708503242	280
Angola Fm	39.259591	-81.08632	4708506148	292
Angola Fm	39.260172	-81.676373	4710700752	204
Angola Fm	39.260172	-81.077134	4708505978	288
Angola Fm	39.260897	-81.03584	4708506029	296
Angola Fm	39.261478	-80.995107	4708504833	307

Angola Fm	39.262639	-81.664387	4710700758	203
Angola Fm	39.262784	-81.282667	4710700518	370
Angola Fm	39.264235	-81.072467	4708505979	286
Angola Fm	39.264961	-81.67432	4710700709	200
Angola Fm	39.265397	-80.997907	4708504832	308
Angola Fm	39.266267	-81.13956	4708505829	288
Angola Fm	39.266412	-81.645534	4710701277	200
Angola Fm	39.267138	-81.12556	4708506469	285
Angola Fm	39.267428	-81.680294	4710700707	200
Angola Fm	39.268299	-81.656734	4710701053	206
Angola Fm	39.268444	-81.023707	4708507406	300
Angola Fm	39.268503	-81.187883	4708500941	286
Angola Fm	39.268601	-81.677975	4710700593	198
Angola Fm	39.268735	-81.25224	4708507209	281
Angola Fm	39.26917	-81.03416	4708506184	296
Angola Fm	39.271637	-81.668533	4710701347	200
Angola Fm	39.273234	-81.098267	4708505530	290
Angola Fm	39.273524	-81.1676	4708505611	286
Angola Fm	39.273524	-81.14404	4708505860	275
Angola Fm	39.278314	-80.911774	4708507293	300
Angola Fm	39.280201	-81.14796	4708505572	275
Angola Fm	39.280201	-81.0028	4708506636	300
Angola Fm	39.280491	-81.07844	4708506947	288
Angola Fm	39.280636	-81.174693	4708505932	275
Angola Fm	39.282668	-80.997907	4708507408	300
Angola Fm	39.283974	-81.159907	4708505785	275
Angola Fm	39.28441	-81.0224	4708506307	294
Angola Fm	39.285281	-80.948214	4708507015	312
Angola Fm	39.285861	-81.180294	4708505965	301
Angola Fm	39.286297	-81.156174	4708505784	275
Angola Fm	39.287313	-81.262693	4710701314	215
Angola Fm	39.287603	-81.217293	4708506975	274
Angola Fm	39.287893	-81.228867	4708506780	276
Angola Fm	39.288909	-80.908974	4708507395	275
Angola Fm	39.289199	-81.153747	4708505783	275
Angola Fm	39.28949	-80.944667	4708507035	310
Angola Fm	39.289925	-81.169467	4708507217	282
Angola Fm	39.291969	-81.189627	4708505962	282
Angola Fm	39.292114	-80.90412	4708507109	290
Angola Fm	39.292404	-81.169467	4708505923	270
Angola Fm	39.292549	-81.253733	4707301520	260
Angola Fm	39.293554	-81.220519	4708503622	301
Angola Fm	39.293565	-80.946534	4708506960	311
Angola Fm	39.294146	-81.10088	4708506694	275
Angola Fm	39.294581	-81.094347	4708506367	288
Angola Fm	39.296178	-80.90972	4708507351	275
Angola Fm	39.296468	-81.218413	4708506976	300
Angola Fm	39.296758	-81.236334	4707301564	280
Angola Fm	39.296903	-80.975694	4708506458	288

Angola Fm	39.297049	-80.96244	4708506991	314
Angola Fm	39.298645	-81.176373	4708506362	275
Angola Fm	39.299806	-80.985587	4708506767	288
Angola Fm	39.299951	-81.122347	4708505928	275
Angola Fm	39.299951	-80.956241	4708506964	295
Angola Fm	39.299951	-80.90412	4708507093	287
Angola Fm	39.300677	-81.05156	4708506131	290
Angola Fm	39.300822	-81.186454	4708506389	282
Angola Fm	39.300822	-80.965053	4708506979	264
Angola Fm	39.301693	-81.277814	4707301794	265
Angola Fm	39.301693	-80.9484	4708507284	280
Angola Fm	39.302128	-81.09976	4708506660	275
Angola Fm	39.302128	-81.078627	4708506309	287
Angola Fm	39.302128	-80.91928	4708507352	300
Angola Fm	39.30416	-80.959267	4708506986	274
Angola Fm	39.30416	-80.88844	4708507187	281
Angola Fm	39.304741	-80.907107	4708507008	281
Angola Fm	39.304886	-81.095653	4708506661	275
Angola Fm	39.305031	-81.186827	4708505432	282
Angola Fm	39.305031	-80.93552	4708507282	300
Angola Fm	39.305176	-81.01456	4708505469	320
Angola Fm	39.305467	-80.877613	4709501110	300
Angola Fm	39.306192	-80.915134	4708506923	290
Angola Fm	39.306337	-81.11544	4708506468	275
Angola Fm	39.306337	-80.965427	4708506978	263
Angola Fm	39.306773	-80.92992	4708506953	297
Angola Fm	39.307789	-81.223267	4707301840	252
Angola Fm	39.308079	-81.315934	4707301898	286
Angola Fm	39.308079	-81.180107	4708507202	275
Angola Fm	39.308079	-80.901694	4708507214	282
Angola Fm	39.308515	-81.09304	4708506620	275
Angola Fm	39.30866	-80.92488	4708507066	294
Angola Fm	39.30866	-80.90804	4708506921	281
Angola Fm	39.309095	-81.247534	4707301593	260
Angola Fm	39.309385	-80.895907	4708507313	275
Angola Fm	39.309531	-81.102374	4708505083	280
Angola Fm	39.309531	-80.918533	4708506924	290
Angola Fm	39.310256	-80.933467	4708507303	300
Angola Fm	39.311127	-80.878173	4709501112	305
Angola Fm	39.311417	-81.16028	4707301619	282
Angola Fm	39.311562	-81.285654	4707301056	269
Angola Fm	39.311562	-81.226814	4707301743	284
Angola Fm	39.311998	-81.175627	4707301714	282
Angola Fm	39.311998	-81.123654	4708506862	279
Angola Fm	39.311998	-81.050067	4708505589	284
Angola Fm	39.312578	-80.92264	4708507067	294
Angola Fm	39.312724	-80.9058	4708506941	279
Angola Fm	39.313449	-81.210573	4707301448	282
Angola Fm	39.313449	-80.970467	4708506977	285

Angola Fm	39.313449	-80.943174	4708507349	300
Angola Fm	39.313885	-80.898707	4708507269	279
Angola Fm	39.314175	-81.1816	4707301552	300
Angola Fm	39.314465	-81.244174	4707301744	278
Angola Fm	39.314901	-81.215987	4707301967	270
Angola Fm	39.314901	-81.178427	4707301539	282
Angola Fm	39.314901	-81.165881	4707301366	282
Angola Fm	39.316207	-80.99156	4708506974	290
Angola Fm	39.316497	-81.167413	4707301618	282
Angola Fm	39.316933	-80.902627	4708507270	278
Angola Fm	39.317368	-81.17208	4707301401	220
Angola Fm	39.318094	-81.064814	4708506281	286
Angola Fm	39.318094	-80.930107	4708506429	299
Angola Fm	39.318239	-81.36992	4710701049	253
Angola Fm	39.318239	-80.91872	4708506671	281
Angola Fm	39.319255	-80.95568	4708507337	258
Angola Fm	39.31969	-81.308467	4707301788	265
Angola Fm	39.31969	-81.097147	4708505514	280
Angola Fm	39.320561	-80.900387	4708506254	277
Angola Fm	39.321287	-81.183094	4707301589	300
Angola Fm	39.321722	-81.16028	4707301612	275
Angola Fm	39.321722	-80.913454	4708505573	285
Angola Fm	39.321867	-81.070787	4708505454	283
Angola Fm	39.322593	-80.92432	4708506851	294
Angola Fm	39.323464	-81.180854	4707301447	281
Angola Fm	39.323609	-81.00504	4708507211	275
Angola Fm	39.324044	-81.08408	4708506100	283
Angola Fm	39.324335	-81.420587	4710701118	248
Angola Fm	39.324625	-80.929173	4708506428	298
Angola Fm	39.325641	-81.135827	4707301871	281
Angola Fm	39.326512	-81.476254	4710700176	230
Angola Fm	39.326657	-81.309214	4707301647	258
Angola Fm	39.326802	-81.1418	4707301364	280
Angola Fm	39.327092	-81.00784	4708506894	289
Angola Fm	39.327963	-81.121974	4707301352	278
Angola Fm	39.327963	-81.079374	4708506500	281
Angola Fm	39.328253	-80.972894	4708507028	275
Angola Fm	39.328979	-81.18216	4707301399	280
Angola Fm	39.328979	-80.967667	4708507027	276
Angola Fm	39.32956	-81.14572	4707301299	264
Angola Fm	39.32985	-81.12724	4707301430	282
Angola Fm	39.330323	-81.287114	4707300667	269
Angola Fm	39.330721	-81.116747	4707301353	278
Angola Fm	39.330721	-81.07452	4707301466	275
Angola Fm	39.330866	-80.92488	4708505968	304
Angola Fm	39.331011	-81.283974	4707301483	263
Angola Fm	39.331011	-80.93272	4708506431	288
Angola Fm	39.331301	-80.939814	4708505631	305
Angola Fm	39.331301	-80.90524	4708505986	270

Angola Fm	39.331592	-81.276507	4707301983	260
Angola Fm	39.331592	-80.9456	4708507097	300
Angola Fm	39.331737	-81.309587	4707301641	256
Angola Fm	39.331882	-80.971213	4708506885	277
Angola Fm	39.332172	-81.25056	4707301721	275
Angola Fm	39.332463	-81.476254	4710700169	230
Angola Fm	39.332463	-80.930107	4708505632	303
Angola Fm	39.332463	-80.911027	4708505998	285
Angola Fm	39.332753	-81.177493	4707301245	280
Angola Fm	39.332753	-80.9658	4708506887	270
Angola Fm	39.332898	-81.254107	4707301626	276
Angola Fm	39.333043	-81.18216	4707301586	257
Angola Fm	39.333926	-81.161774	4707301413	279
Angola Fm	39.334071	-80.916254	4708506164	272
Angola Fm	39.334361	-80.93608	4708506075	307
Angola Fm	39.334361	-80.859467	4709501106	270
Angola Fm	39.334506	-81.110027	4707301856	272
Angola Fm	39.334506	-80.902067	4708505985	272
Angola Fm	39.334651	-80.94952	4708507096	297
Angola Fm	39.334797	-81.313507	4707301642	255
Angola Fm	39.334942	-81.07004	4707301465	283
Angola Fm	39.335522	-81.397027	4710701095	230
Angola Fm	39.335667	-81.122534	4707301897	273
Angola Fm	39.335667	-80.922827	4708506049	299
Angola Fm	39.335812	-81.1614	4707301414	226
Angola Fm	39.336393	-80.92824	4708506090	302
Angola Fm	39.337119	-81.18104	4707301535	277
Angola Fm	39.337119	-80.906734	4708505999	272
Angola Fm	39.337264	-80.96468	4708506886	275
Angola Fm	39.337264	-80.912147	4708505828	273
Angola Fm	39.33799	-81.18776	4707301729	277
Angola Fm	39.338135	-80.934027	4708506160	279
Angola Fm	39.33828	-80.856107	4709501105	260
Angola Fm	39.338425	-81.15244	4707301862	242
Angola Fm	39.338425	-80.939627	4708506257	285
Angola Fm	39.338425	-80.9176	4708506070	302
Angola Fm	39.339006	-80.922827	4708505967	302
Angola Fm	39.339151	-81.033227	4708505457	263
Angola Fm	39.339876	-81.116934	4707301427	290
Angola Fm	39.340022	-81.099014	4707301578	269
Angola Fm	39.340747	-80.902814	4708506909	279
Angola Fm	39.341328	-80.92936	4708506168	285
Angola Fm	39.341618	-80.94336	4708506684	288
Angola Fm	39.341618	-80.91308	4708506163	285
Angola Fm	39.341763	-80.898334	4708506910	280
Angola Fm	39.342053	-81.09136	4707301462	273
Angola Fm	39.342199	-81.115627	4707301421	263
Angola Fm	39.342924	-80.907854	4708506196	316
Angola Fm	39.343215	-81.036027	4708505459	266

Angola Fm	39.343215	-80.93496	4708506167	287
Angola Fm	39.34336	-80.951387	4708507034	290
Angola Fm	39.34394	-81.0706	4707301474	278
Angola Fm	39.344085	-81.472147	4710700955	236
Angola Fm	39.344811	-80.89292	4708507243	285
Angola Fm	39.345682	-80.944854	4708506683	286
Angola Fm	39.345972	-80.929547	4708506161	284
Angola Fm	39.346408	-80.88788	4708507246	286
Angola Fm	39.346843	-81.062574	4707301757	277
Angola Fm	39.347569	-81.168907	4707301408	275
Angola Fm	39.347859	-80.925627	4708505966	300
Angola Fm	39.348585	-81.294467	4707300986	241
Angola Fm	39.349456	-80.94952	4708507033	290
Angola Fm	39.349456	-80.899827	4708507285	280
Angola Fm	39.349746	-81.063694	4707301708	276
Angola Fm	39.350326	-80.935334	4708507119	288
Angola Fm	39.350326	-80.877427	4709501115	250
Angola Fm	39.350617	-80.904307	4708505093	299
Angola Fm	39.350762	-80.929547	4708507120	292
Angola Fm	39.350898	-80.973699	4709500669	284
Angola Fm	39.351642	-81.285919	4707300646	241
Angola Fm	39.351778	-81.100694	4707301809	300
Angola Fm	39.352358	-81.173013	4707301568	272
Angola Fm	39.352503	-80.866187	4709501114	225
Angola Fm	39.352503	-80.866187	4709501114	274
Angola Fm	39.352794	-81.237827	4707301725	276
Angola Fm	39.353955	-81.15468	4707301384	270
Angola Fm	39.353955	-80.9086	4708504837	297
Angola Fm	39.3541	-81.241747	4707301534	276
Angola Fm	39.354245	-80.902067	4708505090	298
Angola Fm	39.356132	-80.93048	4708507168	294
Angola Fm	39.356567	-81.059587	4707301685	290
Angola Fm	39.357148	-81.48428	4710700950	233
Angola Fm	39.35976	-81.272027	4707301635	267
Angola Fm	39.35976	-80.902067	4708506962	297
Angola Fm	39.359906	-80.894227	4708506695	285
Angola Fm	39.360776	-81.06724	4707301684	276
Angola Fm	39.361212	-81.03584	4707301286	279
Angola Fm	39.361357	-81.043347	4707301348	274
Angola Fm	39.362518	-81.064814	4707301681	276
Angola Fm	39.363389	-81.162894	4707301039	272
Angola Fm	39.363389	-80.889187	4708507309	299
Angola Fm	39.363679	-81.110214	4707301191	280
Angola Fm	39.36455	-81.288827	4707301368	241
Angola Fm	39.365711	-81.050627	4707301740	276
Angola Fm	39.366492	-80.85118	4709500427	286
Angola Fm	39.366727	-81.269787	4707300124	265
Angola Fm	39.367163	-81.261013	4707301630	260
Angola Fm	39.367598	-81.231667	4707301629	276

Angola Fm	39.367743	-81.26624	4707301594	260
Angola Fm	39.368614	-81.156174	4707301452	272
Angola Fm	39.368614	-80.902067	4708506958	296
Angola Fm	39.370065	-81.27072	4707301596	260
Angola Fm	39.370646	-81.275947	4707301595	260
Angola Fm	39.370936	-81.191494	4707301533	265
Angola Fm	39.373694	-80.93384	4708506922	294
Angola Fm	39.384156	-81.176017	4707301155	261
Angola Fm	39.387058	-81.175456	4707301280	270
Angola Fm	39.393444	-81.147814	4707301225	268
Angola Fm	39.395912	-81.188546	4707301839	266
Angola Fm	39.399685	-81.204628	4707301134	268
Angola Fm	39.399976	-81.052887	4707301969	290
Angola Fm	39.400847	-81.044846	4707300747	258
Angola Fm	39.400992	-81.171716	4707301302	270
Angola Fm	39.402008	-81.19827	4707301084	266
Angola Fm	39.407668	-81.114189	4707301252	267
Angola Fm	39.410738	-81.146073	4707301481	267
Angola Fm	39.412313	-81.177139	4707301139	277
Angola Fm	39.415215	-81.111758	4707301965	260
Angola Fm	39.418565	-81.12223	4707301546	266
Angola Fm	39.4235	-81.125935	4707301445	293
Angola Fm	39.42379	-81.15492	4707301405	271
Angola Fm	39.425242	-81.149497	4707301404	269
Angola Fm	39.425532	-81.181627	4707301301	263
Angola Fm	39.425967	-81.156229	4707301351	269
Angola Fm	39.425967	-81.085016	4707301095	293
Angola Fm	39.432789	-81.118864	4707301467	266
Angola Fm	39.435982	-81.152115	4707301494	265
Angola Fm	39.437433	-81.134724	4707301798	265
Angola Fm	39.4444	-81.089317	4707301314	301
Angola Fm	39.444969	-81.125507	4707300212	266
Angola Fm	39.448028	-81.081311	4707300955	314
Angola Fm	39.448065	-80.795374	4709501004	283
Angola Fm	39.45514	-81.055879	4707301648	314
Angola Fm	39.456592	-81.096049	4707300612	296
Angola Fm	39.456888	-81.095301	4707300583	298
Angola Fm	39.456905	-81.103279	4707300694	273
Angola Fm	39.457047	-81.09455	4707300643	298
Angola Fm	39.461812	-81.108392	4707300679	292
Angola Fm	39.462264	-81.051765	4707301822	314
Angola Fm	39.496081	-80.94453	4709501121	265
Angola Fm	39.54007	-80.950013	4709500933	259
Angola Fm	39.544732	-80.950205	4709500934	257
Angola Fm	39.592053	-80.502435	4710301244	235
Angola Fm	39.743033	-80.843092	4705100703	238
Angola Fm	39.895622	-80.558619	4705100684	224

Appendix IV: Data compilation, thickness of Rhinestreet.

Picks for the Rhinesteet Member.

Datum: NAD83

Latitude	Longitude	Member	Thickness	API
38.330375	-82.22445	Rhinestreet Sh	98	4701100222
38.952236	-81.980534	Rhinestreet Sh	98	4705300136
38.519896	-82.018471	Rhinestreet Sh	98	4707901144
38.414372	-82.177214	Rhinestreet Sh	97	4701100399
38.31969	-82.226005	Rhinestreet Sh	97	4701100464
37.811563	-82.063972	Rhinestreet Sh	97	4704501628
38.881253	-82.052436	Rhinestreet Sh	97	4705300159
37.719478	-82.294146	Rhinestreet Sh	97	4705900914
38.52933	-82.025306	Rhinestreet Sh	97	4707901145
38.30459	-82.320317	Rhinestreet Sh	97	4709900113
38.093027	-82.29931	Rhinestreet Sh	97	4709900421
38.32956	-82.213487	Rhinestreet Sh	96	4701100321
38.198174	-82.128675	Rhinestreet Sh	96	4704302896
38.788098	-81.993594	Rhinestreet Sh	96	4705300266
38.890049	-82.030452	Rhinestreet Sh	96	4705300275
38.972225	-81.958072	Rhinestreet Sh	96	4705300291
38.316352	-82.241467	Rhinestreet Sh	95	4701100329
38.365552	-82.161455	Rhinestreet Sh	95	4701100336
38.584071	-82.078794	Rhinestreet Sh	95	4705300077
38.285399	-82.292182	Rhinestreet Sh	94	4701100341
38.413183	-82.381454	Rhinestreet Sh	94	4701100699
38.080321	-82.098151	Rhinestreet Sh	94	4704300870
38.890832	-82.05485	Rhinestreet Sh	94	4705300193
38.557994	-82.017587	Rhinestreet Sh	94	4707900737
38.060735	-82.22284	Rhinestreet Sh	94	4709900680
38.339151	-82.466249	Rhinestreet Sh	94	4709900929
38.304306	-82.222875	Rhinestreet Sh	93	4701100135
38.879691	-81.993123	Rhinestreet Sh	93	4705300162
38.927854	-82.037136	Rhinestreet Sh	93	4705300172
37.816497	-82.168599	Rhinestreet Sh	93	4705901047
38.596698	-82.020134	Rhinestreet Sh	93	4707900682
38.217863	-82.365992	Rhinestreet Sh	93	4709900105
38.130117	-82.349895	Rhinestreet Sh	93	4709901023
38.226155	-82.308237	Rhinestreet Sh	93	4709901561
38.923645	-82.052622	Rhinestreet Sh	92	4705300133
38.064881	-82.223601	Rhinestreet Sh	92	4709900285
38.046323	-81.868005	Rhinestreet Sh	91	4700500414
38.921033	-82.102273	Rhinestreet Sh	91	4705300107
38.622454	-81.904387	Rhinestreet Sh	91	4707900845
38.987228	-80.801879	Rhinestreet Sh	900	4702104313
38.922484	-80.999926	Rhinestreet Sh	900	4702104332
38.292022	-82.249477	Rhinestreet Sh	90	4701100340
38.513219	-81.551272	Rhinestreet Sh	90	4703900624
38.602649	-81.531586	Rhinestreet Sh	90	4703900928
38.075118	-82.09707	Rhinestreet Sh	90	4704300917
37.814175	-82.022853	Rhinestreet Sh	90	4704501230
38.927162	-82.056684	Rhinestreet Sh	90	4705300146

37.810904	-82.199127	Rhinestreet Sh	90	4705901004
38.2365	-82.348599	Rhinestreet Sh	90	4709900895
39.761768	-80.530082	Rhinestreet Sh	899	4705100539
38.774574	-82.041186	Rhinestreet Sh	89	4705300259
37.824042	-82.179041	Rhinestreet Sh	89	4705901043
37.811552	-82.167608	Rhinestreet Sh	89	4705901048
38.074625	-82.236768	Rhinestreet Sh	89	4709900289
38.25306	-82.468458	Rhinestreet Sh	89	4709901098
38.311272	-82.244044	Rhinestreet Sh	88	4701100184
38.310111	-82.261413	Rhinestreet Sh	88	4701100569
38.66536	-82.111088	Rhinestreet Sh	88	4705300002
38.910861	-82.008204	Rhinestreet Sh	88	4705300192
37.818988	-82.173547	Rhinestreet Sh	88	4705901045
38.866594	-82.080772	Rhinestreet Sh	87	4705300164
37.816642	-82.207254	Rhinestreet Sh	87	4705901042
37.822188	-82.183853	Rhinestreet Sh	87	4705901049
38.218362	-82.332526	Rhinestreet Sh	87	4709900156
38.271637	-82.292219	Rhinestreet Sh	86	4701100397
38.215313	-82.379129	Rhinestreet Sh	86	4709900168
38.095392	-82.550105	Rhinestreet Sh	86	4709901549
38.298645	-82.262333	Rhinestreet Sh	85	4701100264
38.409827	-82.306556	Rhinestreet Sh	85	4701100395
38.02275	-82.118042	Rhinestreet Sh	85	4704301043
38.832172	-82.085002	Rhinestreet Sh	85	4705300026
38.90012	-82.019868	Rhinestreet Sh	85	4705300195
37.857388	-82.416299	Rhinestreet Sh	85	4709900115
38.230842	-82.391953	Rhinestreet Sh	84	4709900112
38.235977	-82.374242	Rhinestreet Sh	84	4709900149
38.775701	-82.072065	Rhinestreet Sh	83	4705300260
38.222642	-82.379042	Rhinestreet Sh	83	4709900166
37.797685	-82.217235	Rhinestreet Sh	82	4705900993
38.221698	-82.534547	Rhinestreet Sh	82	4709901572
38.061594	-82.137259	Rhinestreet Sh	81	4704300229
37.799989	-82.211209	Rhinestreet Sh	81	4705900998
38.230287	-82.376603	Rhinestreet Sh	81	4709900132
38.215088	-82.383304	Rhinestreet Sh	81	4709900144
38.113679	-80.985117	Rhinestreet Sh	800	4701900241
38.117598	-81.712002	Rhinestreet Sh	80	4700500868
38.329995	-82.206243	Rhinestreet Sh	80	4701100258
38.301354	-82.26799	Rhinestreet Sh	80	4701100335
38.188397	-81.875607	Rhinestreet Sh	80	4704300181
38.828108	-82.012604	Rhinestreet Sh	80	4705300064
38.419292	-82.462569	Rhinestreet Sh	79	4701100709
37.981713	-82.452928	Rhinestreet Sh	79	4709902093
38.268012	-82.299388	Rhinestreet Sh	78	4701100473
38.421323	-82.455389	Rhinestreet Sh	78	4701100704
38.62835	-81.260177	Rhinestreet Sh	78	4708704216
38.054417	-82.417949	Rhinestreet Sh	78	4709900142
38.123549	-82.574504	Rhinestreet Sh	78	4709901576

38.416969	-81.463865	Rhinestreet Sh	77	4703901332
38.71386	-82.117194	Rhinestreet Sh	77	4705300069
38.623549	-82.109193	Rhinestreet Sh	77	4705300297
37.807996	-82.171969	Rhinestreet Sh	77	4705901051
38.332898	-81.928431	Rhinestreet Sh	77	4707900050
38.138575	-82.052432	Rhinestreet Sh	76	4704300439
38.228904	-82.385326	Rhinestreet Sh	76	4709900161
38.214496	-82.337392	Rhinestreet Sh	76	4709900429
38.265977	-82.292587	Rhinestreet Sh	75	4701100400
38.480068	-81.645564	Rhinestreet Sh	75	4703900498
38.365405	-82.525446	Rhinestreet Sh	75	4709900122
38.074922	-82.43455	Rhinestreet Sh	75	4709900147
38.233565	-82.420395	Rhinestreet Sh	75	4709900202
38.37928	-82.477054	Rhinestreet Sh	75	4709900209
38.245222	-82.350142	Rhinestreet Sh	75	4709900881
38.054584	-82.315655	Rhinestreet Sh	75	4709900907
38.245909	-82.306896	Rhinestreet Sh	75	4709900930
39.366492	-80.85118	Rhinestreet Sh	742	4709500427
38.386188	-82.449673	Rhinestreet Sh	74	4701100064
38.817803	-82.095752	Rhinestreet Sh	74	4705300065
38.701076	-82.177214	Rhinestreet Sh	74	4705300316
38.242798	-82.371389	Rhinestreet Sh	74	4709900151
37.986656	-82.358208	Rhinestreet Sh	74	4709900210
38.067702	-82.23816	Rhinestreet Sh	74	4709900291
38.158103	-82.360714	Rhinestreet Sh	74	4709900366
37.985776	-82.369045	Rhinestreet Sh	73	4709900230
39.625719	-80.482672	Rhinestreet Sh	727	4710300410
38.300337	-81.800719	Rhinestreet Sh	72	4703900737
37.967199	-82.368496	Rhinestreet Sh	72	4709900723
38.531217	-82.293699	Rhinestreet Sh	71	4701100172
38.686853	-82.157566	Rhinestreet Sh	71	4705300310
38.517283	-81.809214	Rhinestreet Sh	71	4707900174
38.382994	-81.310475	Rhinestreet Sh	700	4703903909
39.136188	-80.884317	Rhinestreet Sh	700	4708506522
38.286823	-82.272125	Rhinestreet Sh	70	4701100350
38.333077	-81.834808	Rhinestreet Sh	70	4703900575
38.490843	-81.627113	Rhinestreet Sh	70	4703900590
38.680685	-82.164911	Rhinestreet Sh	70	4705300269
38.682126	-82.175363	Rhinestreet Sh	70	4705300302
38.21386	-82.390803	Rhinestreet Sh	70	4709900135
38.241872	-82.476342	Rhinestreet Sh	70	4709900199
38.24942	-82.366228	Rhinestreet Sh	70	4709900695
38.210087	-82.520496	Rhinestreet Sh	7	4709900278
39.093795	-81.326636	Rhinestreet Sh	696	4710500961
38.718215	-81.194422	Rhinestreet Sh	690	4708704259
38.602413	-82.157717	Rhinestreet Sh	69	4705300265
38.242598	-82.437064	Rhinestreet Sh	69	4709900173
38.217132	-82.347767	Rhinestreet Sh	69	4709900261
38.919094	-82.09835	Rhinestreet Sh	68	4705300109

38.67544	-82.170952	Rhinestreet Sh	68	4705300303
38.313014	-82.298293	Rhinestreet Sh	68	4709900106
38.086828	-82.386741	Rhinestreet Sh	68	4709900194
37.974995	-82.356349	Rhinestreet Sh	68	4709900220
38.241047	-82.431183	Rhinestreet Sh	68	4709900234
38.256833	-82.354134	Rhinestreet Sh	67	4709900987
39.206882	-80.92617	Rhinestreet Sh	661	4708504872
38.292641	-82.291469	Rhinestreet Sh	66	4701100342
38.207172	-82.38235	Rhinestreet Sh	66	4709900169
37.795888	-81.421055	Rhinestreet Sh	658	4708100817
39.23476	-80.912081	Rhinestreet Sh	650	4708504873
39.027588	-81.081287	Rhinestreet Sh	650	4708507127
39.127769	-80.985539	Rhinestreet Sh	650	4708507180
39.046468	-80.994233	Rhinestreet Sh	650	4708507466
39.061272	-81.018973	Rhinestreet Sh	650	4708507489
39.058369	-81.023065	Rhinestreet Sh	650	4708507490
39.184385	-80.873396	Rhinestreet Sh	650	4708507509
38.218795	-81.708333	Rhinestreet Sh	65	4700500472
38.10976	-82.383255	Rhinestreet Sh	65	4709901418
39.179306	-80.951885	Rhinestreet Sh	643	4708504890
38.649685	-81.252776	Rhinestreet Sh	642	4708704278
38.217248	-82.418958	Rhinestreet Sh	64	4709900119
39.366492	-80.85118	Rhinestreet Sh	637	4709500427
39.678144	-80.823947	Rhinestreet Sh	636	4710300645
38.760462	-81.07985	Rhinestreet Sh	635	4701302524
39.12471	-80.990699	Rhinestreet Sh	635	4708507184
39.146202	-80.888975	Rhinestreet Sh	635	4708507360
39.135607	-80.872837	Rhinestreet Sh	630	4708507189
37.928712	-82.494132	Rhinestreet Sh	63	4709900117
38.21386	-82.381615	Rhinestreet Sh	62	4709900191
38.010317	-82.479797	Rhinestreet Sh	62	4709900246
38.067913	-82.227571	Rhinestreet Sh	62	4709900813
37.742308	-81.912964	Rhinestreet Sh	616	4704501258
38.108309	-82.402334	Rhinestreet Sh	61	4709900290
38.627103	-81.145094	Rhinestreet Sh	603	4708702078
39.743033	-80.843092	Rhinestreet Sh	601	4705100703
38.640175	-81.182214	Rhinestreet Sh	601	4708702077
39.241292	-80.96206	Rhinestreet Sh	600	4708504387
39.117888	-80.991071	Rhinestreet Sh	600	4708507196
39.350326	-80.877427	Rhinestreet Sh	600	4709501115
38.163183	-82.369351	Rhinestreet Sh	60	4709900279
38.196299	-82.538671	Rhinestreet Sh	60	4709900305
38.241234	-82.418044	Rhinestreet Sh	60	4709900689
38.252189	-82.396721	Rhinestreet Sh	60	4709900874
38.347133	-82.423846	Rhinestreet Sh	60	4709900876
37.775701	-81.810864	Rhinestreet Sh	595	4704501213
39.331011	-80.93272	Rhinestreet Sh	592	4708506431
39.338425	-80.9176	Rhinestreet Sh	591	4708506070
38.402423	-82.476687	Rhinestreet Sh	59	4701100384

38.993178	-81.307635	Rhinestreet Sh	586	4710500068
37.265251	-81.592414	Rhinestreet Sh	583	4704701203
39.335667	-80.922827	Rhinestreet Sh	583	4708506049
39.338425	-80.939627	Rhinestreet Sh	581	4708506257
39.45514	-81.055879	Rhinestreet Sh	580	4707301648
39.330866	-80.92488	Rhinestreet Sh	580	4708505968
38.27962	-81.55897	Rhinestreet Sh	58	4703900220
38.184531	-82.403667	Rhinestreet Sh	58	4709900179
37.967368	-82.381871	Rhinestreet Sh	58	4709900304
39.339006	-80.922827	Rhinestreet Sh	578	4708505967
39.331301	-80.939814	Rhinestreet Sh	576	4708505631
39.332463	-80.930107	Rhinestreet Sh	575	4708505632
38.722424	-81.192571	Rhinestreet Sh	571	4708704098
39.08349	-80.96875	Rhinestreet Sh	570	4708506796
39.080721	-80.964286	Rhinestreet Sh	570	4708507025
38.370553	-82.413213	Rhinestreet Sh	57	4701100474
38.420153	-82.355209	Rhinestreet Sh	57	4701100542
38.690046	-81.153125	Rhinestreet Sh	565	4701303660
39.126028	-81.223427	Rhinestreet Sh	563	4708505642
39.031072	-81.063802	Rhinestreet Sh	563	4708507130
39.337264	-80.912147	Rhinestreet Sh	560	4708505828
39.332463	-80.911027	Rhinestreet Sh	560	4708505998
39.334361	-80.93608	Rhinestreet Sh	560	4708506075
39.341328	-80.92936	Rhinestreet Sh	560	4708506168
39.341618	-80.94336	Rhinestreet Sh	560	4708506684
39.359906	-80.894227	Rhinestreet Sh	560	4708506695
39.340747	-80.902814	Rhinestreet Sh	560	4708506909
39.341763	-80.898334	Rhinestreet Sh	560	4708506910
39.312724	-80.9058	Rhinestreet Sh	560	4708506941
39.368614	-80.902067	Rhinestreet Sh	560	4708506958
39.304741	-80.907107	Rhinestreet Sh	560	4708507008
39.344811	-80.89292	Rhinestreet Sh	560	4708507243
39.309385	-80.895907	Rhinestreet Sh	560	4708507313
39.109035	-81.082031	Rhinestreet Sh	560	4708507475
38.21054	-82.39493	Rhinestreet Sh	56	4709900129
38.020701	-82.475063	Rhinestreet Sh	56	4709900236
38.132994	-82.451765	Rhinestreet Sh	56	4709901174
38.23447	-82.475791	Rhinestreet Sh	56	4709901518
38.7638	-81.160218	Rhinestreet Sh	556	4701303750
39.336393	-80.92824	Rhinestreet Sh	555	4708506090
39.496081	-80.94453	Rhinestreet Sh	551	4709501121
37.865856	-81.163577	Rhinestreet Sh	550	4708100688
39.208043	-81.035777	Rhinestreet Sh	550	4708506339
39.214876	-81.039317	Rhinestreet Sh	550	4708506699
39.322593	-80.92432	Rhinestreet Sh	550	4708506851
39.306192	-80.915134	Rhinestreet Sh	550	4708506923
39.309531	-80.918533	Rhinestreet Sh	550	4708506924
39.280491	-81.07844	Rhinestreet Sh	550	4708506947
39.306773	-80.92992	Rhinestreet Sh	550	4708506953

39.293565	-80.946534	Rhinestreet Sh	550	4708506960
39.299951	-80.90412	Rhinestreet Sh	550	4708507093
39.350326	-80.935334	Rhinestreet Sh	550	4708507119
39.350762	-80.929547	Rhinestreet Sh	550	4708507120
39.310256	-80.933467	Rhinestreet Sh	550	4708507303
39.313449	-80.943174	Rhinestreet Sh	550	4708507349
39.302128	-80.91928	Rhinestreet Sh	550	4708507352
39.085522	-81.004464	Rhinestreet Sh	550	4708507384
39.282668	-80.997907	Rhinestreet Sh	550	4708507408
39.25872	-81.021467	Rhinestreet Sh	550	4708507413
38.382849	-82.473822	Rhinestreet Sh	55	4709900153
38.292411	-82.439779	Rhinestreet Sh	55	4709900265
38.228172	-82.430311	Rhinestreet Sh	55	4709900398
38.144291	-82.444466	Rhinestreet Sh	55	4709901061
38.282813	-82.489626	Rhinestreet Sh	55	4709901483
39.265397	-80.997907	Rhinestreet Sh	548	4708504832
39.260897	-81.03584	Rhinestreet Sh	540	4708506029
39.28441	-81.0224	Rhinestreet Sh	540	4708506307
39.036732	-81.0093	Rhinestreet Sh	540	4708506839
39.0485	-81.00651	Rhinestreet Sh	540	4708506847
39.042694	-81.025297	Rhinestreet Sh	540	4708506854
39.327092	-81.00784	Rhinestreet Sh	540	4708506894
39.03978	-81.005766	Rhinestreet Sh	540	4708506896
39.323609	-81.00504	Rhinestreet Sh	540	4708507211
39.113389	-80.987909	Rhinestreet Sh	540	4708507481
38.383595	-82.379084	Rhinestreet Sh	54	4701100361
38.447593	-81.824858	Rhinestreet Sh	54	4707900024
38.199044	-82.41065	Rhinestreet Sh	54	4709900137
38.296468	-82.345114	Rhinestreet Sh	54	4709900198
38.253692	-82.435533	Rhinestreet Sh	54	4709900251
38.253692	-82.435533	Rhinestreet Sh	54	4709900251
38.215458	-82.522892	Rhinestreet Sh	54	4709900311
38.277342	-82.447118	Rhinestreet Sh	54	4709900721
39.027153	-81.192708	Rhinestreet Sh	534	4710501181
38.247328	-82.426223	Rhinestreet Sh	53	4709900242
38.302999	-82.385861	Rhinestreet Sh	53	4709901213
38.728956	-81.142092	Rhinestreet Sh	529	4701302548
38.420162	-81.391595	Rhinestreet Sh	525	4703901541
39.243324	-81.027951	Rhinestreet Sh	525	4708505959
38.121226	-81.171253	Rhinestreet Sh	524	4701900915
39.247678	-81.064959	Rhinestreet Sh	522	4708505496
39.300677	-81.05156	Rhinestreet Sh	521	4708506131
39.361357	-81.043347	Rhinestreet Sh	520	4707301348
38.377044	-82.453545	Rhinestreet Sh	52	4701100054
38.211216	-82.41505	Rhinestreet Sh	52	4709900204
38.218324	-82.435308	Rhinestreet Sh	52	4709900309
38.219461	-82.500538	Rhinestreet Sh	52	4709900412
38.302999	-82.419612	Rhinestreet Sh	52	4709900945
38.174371	-82.506615	Rhinestreet Sh	52	4709901088

38.882994	-81.102273	Rhinestreet Sh	518	4701302503
38.989985	-81.036394	Rhinestreet Sh	518	4701303467
38.71956	-81.166506	Rhinestreet Sh	516	4701300743
39.243324	-81.059182	Rhinestreet Sh	516	4708505495
39.155346	-81.107557	Rhinestreet Sh	514	4708505930
39.113679	-81.156621	Rhinestreet Sh	510	4708506926
38.220241	-82.386698	Rhinestreet Sh	51	4709900154
38.21865	-82.501628	Rhinestreet Sh	51	4709900427
38.208369	-82.407988	Rhinestreet Sh	51	4709900630
38.223466	-82.486863	Rhinestreet Sh	51	4709900701
38.143787	-82.405883	Rhinestreet Sh	51	4709900869
38.211209	-82.539162	Rhinestreet Sh	51	4709901196
38.812724	-81.18928	Rhinestreet Sh	509	4701303701
38.717199	-81.174623	Rhinestreet Sh	509	4708704099
39.318094	-81.064814	Rhinestreet Sh	506	4708506281
39.34394	-81.0706	Rhinestreet Sh	504	4707301474
39.235486	-81.081729	Rhinestreet Sh	504	4708506117
39.319255	-80.95568	Rhinestreet Sh	504	4708507337
38.527628	-81.540009	Rhinestreet Sh	501	4703900643
38.995936	-81.178922	Rhinestreet Sh	500	4701303572
39.009736	-81.169271	Rhinestreet Sh	500	4701303583
39.340022	-81.099014	Rhinestreet Sh	500	4707301578
39.333043	-81.18216	Rhinestreet Sh	500	4707301586
39.351778	-81.100694	Rhinestreet Sh	500	4707301809
39.023815	-81.085751	Rhinestreet Sh	500	4708507126
39.125737	-81.089296	Rhinestreet Sh	500	4708507363
39.060692	-81.004092	Rhinestreet Sh	500	4708507501
38.66478	-81.237384	Rhinestreet Sh	500	4708704119
38.418113	-82.376817	Rhinestreet Sh	50	4701100548
38.348875	-82.570014	Rhinestreet Sh	50	4709900022
38.037313	-82.517611	Rhinestreet Sh	50	4709900162
38.202092	-82.399992	Rhinestreet Sh	50	4709900245
38.099601	-82.404902	Rhinestreet Sh	50	4709900313
38.138683	-82.384838	Rhinestreet Sh	50	4709900346
38.345392	-82.459806	Rhinestreet Sh	50	4709900719
38.348864	-82.422752	Rhinestreet Sh	50	4709900891
38.192368	-82.460906	Rhinestreet Sh	50	4709900979
38.260462	-82.479134	Rhinestreet Sh	50	4709901032
38.04313	-82.462002	Rhinestreet Sh	50	4709901040
38.244194	-82.482039	Rhinestreet Sh	50	4709901394
39.264235	-81.072467	Rhinestreet Sh	499	4708505979
39.321867	-81.070787	Rhinestreet Sh	498	4708505454
39.34394	-81.0706	Rhinestreet Sh	497	4707301474
39.360776	-81.06724	Rhinestreet Sh	495	4707301684
39.325641	-81.135827	Rhinestreet Sh	495	4707301871
38.762349	-81.209816	Rhinestreet Sh	495	4708703626
39.330721	-81.07452	Rhinestreet Sh	494	4707301466
38.043791	-81.348927	Rhinestreet Sh	493	4701900479
39.260172	-81.077134	Rhinestreet Sh	493	4708505978

39.400847	-81.044846	Rhinestreet Sh	491	4707300747
39.311417	-81.16028	Rhinestreet Sh	490	4707301619
39.399976	-81.052887	Rhinestreet Sh	490	4707301969
39.309531	-81.102374	Rhinestreet Sh	490	4708505083
38.176962	-82.43608	Rhinestreet Sh	49	4709901018
38.020331	-82.265043	Rhinestreet Sh	49	4709901804
37.627624	-81.709793	Rhinestreet Sh	487	4710901671
39.334942	-81.07004	Rhinestreet Sh	486	4707301465
39.12864	-81.114824	Rhinestreet Sh	485	4708505819
39.324044	-81.08408	Rhinestreet Sh	483	4708506100
39.123839	-81.140067	Rhinestreet Sh	483	4708506424
39.120646	-81.113281	Rhinestreet Sh	482	4708506221
39.294581	-81.094347	Rhinestreet Sh	482	4708506367
39.356567	-81.059587	Rhinestreet Sh	480	4707301685
39.349746	-81.063694	Rhinestreet Sh	480	4707301708
39.31969	-81.097147	Rhinestreet Sh	480	4708505514
39.127189	-81.155373	Rhinestreet Sh	480	4708505537
39.251753	-81.092293	Rhinestreet Sh	480	4708505628
39.285861	-81.180294	Rhinestreet Sh	480	4708505965
39.124565	-81.113467	Rhinestreet Sh	480	4708506226
39.122678	-81.108817	Rhinestreet Sh	480	4708506227
39.220101	-81.07763	Rhinestreet Sh	480	4708506268
39.119194	-81.140811	Rhinestreet Sh	480	4708506308
39.207027	-81.086128	Rhinestreet Sh	480	4708506732
39.076947	-81.004464	Rhinestreet Sh	480	4708507024
39.041667	-81.000744	Rhinestreet Sh	480	4708507124
39.021347	-81.09003	Rhinestreet Sh	480	4708507135
39.136623	-81.088364	Rhinestreet Sh	480	4708507237
39.195416	-81.089855	Rhinestreet Sh	480	4708507428
39.140251	-81.10234	Rhinestreet Sh	480	4708507447
39.056192	-81.008184	Rhinestreet Sh	480	4708507484
39.055902	-81.00279	Rhinestreet Sh	480	4708507485
38.625302	-81.286082	Rhinestreet Sh	480	4708703958
38.383149	-82.449207	Rhinestreet Sh	48	4701100049
38.251387	-82.428262	Rhinestreet Sh	48	4709900229
38.252334	-82.48392	Rhinestreet Sh	48	4709901230
38.240421	-82.483876	Rhinestreet Sh	48	4709901303
38.260312	-82.462915	Rhinestreet Sh	48	4709901336
39.327963	-81.079374	Rhinestreet Sh	479	4708506500
38.477503	-81.191929	Rhinestreet Sh	478	4701502600
39.116437	-81.113095	Rhinestreet Sh	478	4708506222
39.208188	-81.13059	Rhinestreet Sh	478	4708506259
38.653604	-81.283491	Rhinestreet Sh	475	4708700440
38.630092	-81.293517	Rhinestreet Sh	475	4708703962
39.12471	-81.15811	Rhinestreet Sh	474	4708505498
37.965167	-81.310347	Rhinestreet Sh	472	4701900510
39.448028	-81.081311	Rhinestreet Sh	471	4707300955
39.074044	-81.104352	Rhinestreet Sh	470	4708503828
39.211828	-81.136367	Rhinestreet Sh	470	4708506638

38.629656	-81.285526	Rhinestreet Sh	470	4708703945
38.323028	-82.303816	Rhinestreet Sh	47	4709900070
38.202009	-82.486207	Rhinestreet Sh	47	4709900152
38.246517	-82.432286	Rhinestreet Sh	47	4709900190
38.343657	-82.428606	Rhinestreet Sh	47	4709900887
38.259499	-82.456013	Rhinestreet Sh	47	4709900908
38.335983	-82.48835	Rhinestreet Sh	47	4709900956
38.213742	-82.467004	Rhinestreet Sh	47	4709901395
38.371372	-82.529636	Rhinestreet Sh	47	4709901703
39.132559	-81.106812	Rhinestreet Sh	469	4708506327
38.666702	-81.246238	Rhinestreet Sh	468	4708703787
38.102068	-81.16224	Rhinestreet Sh	467	4701900920
39.018444	-81.314918	Rhinestreet Sh	467	4710501174
38.841908	-81.23762	Rhinestreet Sh	466	4708703716
38.445126	-81.401921	Rhinestreet Sh	465	4703901607
39.444969	-81.125507	Rhinestreet Sh	465	4707300212
39.456888	-81.095301	Rhinestreet Sh	465	4707300583
39.456592	-81.096049	Rhinestreet Sh	465	4707300612
39.457047	-81.09455	Rhinestreet Sh	465	4707300643
39.461812	-81.108392	Rhinestreet Sh	465	4707300679
39.4444	-81.089317	Rhinestreet Sh	465	4707301314
39.362518	-81.064814	Rhinestreet Sh	465	4707301681
39.346843	-81.062574	Rhinestreet Sh	465	4707301757
39.437433	-81.134724	Rhinestreet Sh	465	4707301798
39.462264	-81.051765	Rhinestreet Sh	465	4707301822
39.203689	-81.140093	Rhinestreet Sh	465	4708506967
39.330721	-81.116747	Rhinestreet Sh	464	4707301353
39.176403	-81.141211	Rhinestreet Sh	464	4708505846
37.667706	-80.706274	Rhinestreet Sh	464	4708900006
39.183224	-81.139348	Rhinestreet Sh	462	4708505386
39.287603	-81.217293	Rhinestreet Sh	462	4708506975
38.416231	-81.388461	Rhinestreet Sh	460	4703901274
39.456905	-81.103279	Rhinestreet Sh	460	4707300694
39.327963	-81.121974	Rhinestreet Sh	460	4707301352
39.268503	-81.187883	Rhinestreet Sh	460	4708500941
39.128495	-81.104203	Rhinestreet Sh	460	4708506345
39.135026	-81.097495	Rhinestreet Sh	460	4708506943
38.356061	-82.420722	Rhinestreet Sh	46	4701100470
38.410428	-82.31071	Rhinestreet Sh	46	4701100491
38.26771	-82.424537	Rhinestreet Sh	46	4709900257
38.316352	-82.427895	Rhinestreet Sh	46	4709900271
38.330721	-82.387701	Rhinestreet Sh	46	4709900705
38.337658	-82.491668	Rhinestreet Sh	46	4709900883
38.258865	-82.474348	Rhinestreet Sh	46	4709901134
38.201167	-82.462498	Rhinestreet Sh	46	4709901333
37.932373	-82.488051	Rhinestreet Sh	46	4709901701
38.710812	-81.127776	Rhinestreet Sh	459	4701303567
39.112663	-81.181919	Rhinestreet Sh	457	4708506203
38.650992	-81.258512	Rhinestreet Sh	457	4708703789

38.67379	-81.258327	Rhinestreet Sh	456	4708700806
39.307789	-81.223267	Rhinestreet Sh	455	4707301840
39.289199	-81.153747	Rhinestreet Sh	455	4708505783
39.286297	-81.156174	Rhinestreet Sh	455	4708505784
39.283974	-81.159907	Rhinestreet Sh	455	4708505785
39.287893	-81.228867	Rhinestreet Sh	455	4708506780
38.921758	-81.302065	Rhinestreet Sh	455	4710501025
39.193239	-81.171511	Rhinestreet Sh	453	4708505338
38.969128	-81.334561	Rhinestreet Sh	452	4710500566
38.712844	-81.132031	Rhinestreet Sh	451	4701303659
39.321722	-81.16028	Rhinestreet Sh	450	4707301612
39.129366	-81.212619	Rhinestreet Sh	450	4708505816
39.114695	-81.218192	Rhinestreet Sh	450	4708505987
39.121807	-81.210565	Rhinestreet Sh	450	4708506201
38.413038	-82.427915	Rhinestreet Sh	45	4701100068
38.370842	-82.472487	Rhinestreet Sh	45	4709900196
38.213369	-82.495933	Rhinestreet Sh	45	4709900206
38.277008	-82.456795	Rhinestreet Sh	45	4709900703
38.332027	-82.424582	Rhinestreet Sh	45	4709900933
38.329995	-82.411815	Rhinestreet Sh	45	4709900951
38.329578	-82.470049	Rhinestreet Sh	45	4709900955
38.19471	-82.454987	Rhinestreet Sh	45	4709900962
38.28546	-82.475571	Rhinestreet Sh	45	4709900988
38.246378	-82.475007	Rhinestreet Sh	45	4709901083
38.200326	-82.524675	Rhinestreet Sh	45	4709901121
38.212551	-82.540665	Rhinestreet Sh	45	4709901165
38.272653	-82.49294	Rhinestreet Sh	45	4709901211
38.247107	-82.472163	Rhinestreet Sh	45	4709901353
38.630603	-81.26621	Rhinestreet Sh	449	4708703640
39.161732	-81.169648	Rhinestreet Sh	447	4708505458
39.240421	-81.164876	Rhinestreet Sh	447	4708505772
38.325496	-81.515278	Rhinestreet Sh	446	4703905571
37.891267	-82.076829	Rhinestreet Sh	446	4704501240
37.623549	-81.903426	Rhinestreet Sh	446	4705900746
39.326802	-81.1418	Rhinestreet Sh	446	4707301364
38.773952	-81.215159	Rhinestreet Sh	446	4708701676
38.60976	-81.278815	Rhinestreet Sh	446	4708704170
39.14896	-81.122464	Rhinestreet Sh	445	4708505099
39.116292	-81.234189	Rhinestreet Sh	445	4708505868
39.123839	-81.102678	Rhinestreet Sh	445	4708506342
39.042985	-81.190848	Rhinestreet Sh	445	4708506701
39.096117	-81.198474	Rhinestreet Sh	445	4708507163
39.072241	-81.138248	Rhinestreet Sh	443	4708502832
39.314901	-81.165881	Rhinestreet Sh	442	4707301366
38.983269	-81.317462	Rhinestreet Sh	442	4710500548
38.866644	-81.279531	Rhinestreet Sh	441	4708702002
39.069545	-81.144903	Rhinestreet Sh	440	4708505704
38.271057	-81.940965	Rhinestreet Sh	44	4704300446
38.348512	-81.92208	Rhinestreet Sh	44	4707900049

38.248694	-82.435594	Rhinestreet Sh	44	4709900223
38.333926	-82.57296	Rhinestreet Sh	44	4709900700
38.331652	-82.475251	Rhinestreet Sh	44	4709900937
38.301952	-82.463697	Rhinestreet Sh	44	4709900938
38.26917	-82.466985	Rhinestreet Sh	44	4709901049
38.258166	-82.48436	Rhinestreet Sh	44	4709901050
38.251148	-82.462455	Rhinestreet Sh	44	4709901245
38.650701	-81.286267	Rhinestreet Sh	439	4708701575
38.65462	-81.300548	Rhinestreet Sh	439	4708703641
39.311998	-81.123654	Rhinestreet Sh	438	4708506862
38.97402	-81.219846	Rhinestreet Sh	436	4701300368
39.42379	-81.15492	Rhinestreet Sh	436	4707301405
39.368614	-81.156174	Rhinestreet Sh	436	4707301452
39.273524	-81.1676	Rhinestreet Sh	435	4708505611
39.156507	-81.198344	Rhinestreet Sh	434	4708505635
39.333926	-81.161774	Rhinestreet Sh	433	4707301413
39.347569	-81.168907	Rhinestreet Sh	431	4707301408
37.843215	-81.561595	Rhinestreet Sh	430	4708100823
38.65999	-81.239974	Rhinestreet Sh	430	4708704261
38.562789	-81.966037	Rhinestreet Sh	43	4707900425
38.278722	-82.470971	Rhinestreet Sh	43	4709900262
38.265251	-82.483	Rhinestreet Sh	43	4709901072
38.170054	-82.446501	Rhinestreet Sh	43	4709901255
38.175532	-82.414325	Rhinestreet Sh	43	4709901618
38.381978	-81.424042	Rhinestreet Sh	429	4703901284
39.25814	-81.18552	Rhinestreet Sh	429	4708505734
38.793275	-81.29593	Rhinestreet Sh	429	4708703471
38.781507	-81.300564	Rhinestreet Sh	429	4708703760
38.849601	-80.948919	Rhinestreet Sh	428	4702104425
38.31911	-81.496805	Rhinestreet Sh	428	4703905532
37.850181	-81.5477	Rhinestreet Sh	428	4708100822
39.005527	-81.269159	Rhinestreet Sh	428	4710501036
38.409509	-81.392113	Rhinestreet Sh	426	4703901207
39.298645	-81.176373	Rhinestreet Sh	425	4708506362
38.571577	-81.188647	Rhinestreet Sh	425	4708704193
37.832753	-81.55867	Rhinestreet Sh	424	4708100837
39.209216	-81.206729	Rhinestreet Sh	424	4708505337
37.856132	-81.56836	Rhinestreet Sh	423	4700501481
39.094811	-80.972284	Rhinestreet Sh	423	4708506658
39.019751	-81.270275	Rhinestreet Sh	422	4710501026
38.303144	-81.51491	Rhinestreet Sh	421	4703900335
39.182644	-81.216905	Rhinestreet Sh	421	4708506558
38.081882	-81.53247	Rhinestreet Sh	420	4703904820
39.183079	-81.292412	Rhinestreet Sh	420	4708506092
38.469652	-81.638844	Rhinestreet Sh	42	4703900447
38.2354	-82.437225	Rhinestreet Sh	42	4709900226
38.144593	-82.466125	Rhinestreet Sh	42	4709901042
38.254732	-82.4741	Rhinestreet Sh	42	4709901184
38.159727	-82.525045	Rhinestreet Sh	42	4709901254

38.257642	-82.489561	Rhinestreet Sh	42	4709901356
38.650701	-81.24571	Rhinestreet Sh	418	4708704118
38.537603	-81.272904	Rhinestreet Sh	417	4708700714
39.151572	-81.245042	Rhinestreet Sh	416	4708505238
39.425532	-81.181627	Rhinestreet Sh	415	4707301301
39.337119	-81.18104	Rhinestreet Sh	415	4707301535
39.182353	-81.211501	Rhinestreet Sh	415	4708506682
39.296468	-81.218413	Rhinestreet Sh	414	4708506976
38.717924	-81.18665	Rhinestreet Sh	414	4708704111
38.436998	-81.451886	Rhinestreet Sh	413	4703901458
37.869049	-81.552271	Rhinestreet Sh	412	4708100835
39.256833	-81.195227	Rhinestreet Sh	412	4708506258
39.232583	-81.182692	Rhinestreet Sh	410	4708505325
39.112373	-81.202938	Rhinestreet Sh	410	4708505603
39.180031	-81.27087	Rhinestreet Sh	410	4708505694
39.230551	-81.22324	Rhinestreet Sh	410	4708506653
38.613534	-81.334626	Rhinestreet Sh	410	4708703481
38.950289	-81.301425	Rhinestreet Sh	410	4710500537
38.930599	-81.352037	Rhinestreet Sh	410	4710500983
38.206011	-82.489021	Rhinestreet Sh	41	4709900138
38.392868	-82.531892	Rhinestreet Sh	41	4709900940
38.289734	-82.48662	Rhinestreet Sh	41	4709900952
38.178812	-82.500498	Rhinestreet Sh	41	4709901057
38.166912	-82.452434	Rhinestreet Sh	41	4709901182
38.253205	-82.466801	Rhinestreet Sh	41	4709901375
39.150121	-81.241501	Rhinestreet Sh	409	4708505237
38.124274	-81.182443	Rhinestreet Sh	408	4701900490
39.186417	-81.214482	Rhinestreet Sh	408	4708506821
38.75364	-81.239473	Rhinestreet Sh	407	4708704054
38.71386	-81.189241	Rhinestreet Sh	407	4708704112
37.692368	-80.925063	Rhinestreet Sh	406	4708900005
38.502479	-81.493613	Rhinestreet Sh	405	4703900461
38.424244	-81.48105	Rhinestreet Sh	405	4703901347
38.448754	-81.446723	Rhinestreet Sh	405	4703901550
37.837844	-81.539674	Rhinestreet Sh	404	4708100827
39.296758	-81.236334	Rhinestreet Sh	400	4707301564
39.311998	-81.175627	Rhinestreet Sh	400	4707301714
39.331592	-81.276507	Rhinestreet Sh	400	4707301983
39.23114	-81.258738	Rhinestreet Sh	400	4708503503
39.292404	-81.169467	Rhinestreet Sh	400	4708505923
39.204269	-81.216346	Rhinestreet Sh	400	4708505983
39.308079	-81.180107	Rhinestreet Sh	400	4708507202
38.566933	-81.224957	Rhinestreet Sh	400	4708704200
39.086974	-81.309524	Rhinestreet Sh	400	4710501016
38.305757	-82.231343	Rhinestreet Sh	40	4701100075
38.369194	-82.293139	Rhinestreet Sh	40	4701100396
37.658684	-81.935101	Rhinestreet Sh	40	4705901233
38.200206	-82.469359	Rhinestreet Sh	40	4709900146
38.216038	-82.528483	Rhinestreet Sh	40	4709900629

38.29284	-82.465512	Rhinestreet Sh	40	4709900906
38.269025	-82.483184	Rhinestreet Sh	40	4709901051
38.249023	-82.477671	Rhinestreet Sh	40	4709901269
38.264961	-82.470298	Rhinestreet Sh	40	4709901339
38.217563	-82.537758	Rhinestreet Sh	40	4709901427
38.575496	-81.301826	Rhinestreet Sh	399	4708704184
38.967517	-81.324692	Rhinestreet Sh	399	4710500545
39.137349	-81.271429	Rhinestreet Sh	398	4708505107
39.153894	-81.259317	Rhinestreet Sh	398	4708505269
38.270186	-81.526691	Rhinestreet Sh	397	4703900270
37.867017	-81.567811	Rhinestreet Sh	396	4700501491
38.085667	-81.41169	Rhinestreet Sh	396	4703904264
38.402443	-81.480276	Rhinestreet Sh	395	4703901306
39.155346	-81.25559	Rhinestreet Sh	395	4708505255
39.164054	-81.25969	Rhinestreet Sh	395	4708505347
39.399685	-81.204628	Rhinestreet Sh	394	4707301134
39.09336	-81.275855	Rhinestreet Sh	394	4710501034
38.387446	-81.40882	Rhinestreet Sh	393	4703901213
39.155346	-81.25559	Rhinestreet Sh	393	4708505255
37.865131	-81.576038	Rhinestreet Sh	392	4700501482
38.004511	-81.378302	Rhinestreet Sh	392	4703904080
39.140542	-81.271243	Rhinestreet Sh	391	4708505111
38.401572	-81.410219	Rhinestreet Sh	390	4703901275
38.436853	-81.411141	Rhinestreet Sh	390	4703901350
39.3541	-81.241747	Rhinestreet Sh	390	4707301534
39.367598	-81.231667	Rhinestreet Sh	390	4707301629
37.732088	-80.981982	Rhinestreet Sh	390	4708100296
39.119911	-81.277784	Rhinestreet Sh	390	4708501277
39.240136	-81.265663	Rhinestreet Sh	390	4708502005
39.138074	-81.261553	Rhinestreet Sh	390	4708504847
39.133865	-81.264907	Rhinestreet Sh	390	4708505088
39.239115	-81.242806	Rhinestreet Sh	390	4708505450
39.123403	-81.240885	Rhinestreet Sh	390	4708505505
39.210232	-81.284659	Rhinestreet Sh	390	4708505738
39.244049	-81.246905	Rhinestreet Sh	390	4708506052
38.945632	-81.365406	Rhinestreet Sh	390	4710500746
38.935432	-81.346939	Rhinestreet Sh	390	4710500979
38.424516	-82.359886	Rhinestreet Sh	39	4701100541
38.307644	-82.423109	Rhinestreet Sh	39	4709900284
38.277733	-82.476189	Rhinestreet Sh	39	4709900717
38.275847	-82.489994	Rhinestreet Sh	39	4709901378
38.221877	-82.537727	Rhinestreet Sh	39	4709901393
38.280346	-82.502025	Rhinestreet Sh	39	4709901438
38.169726	-82.514333	Rhinestreet Sh	39	4709901527
38.263081	-81.540182	Rhinestreet Sh	389	4703900374
39.171758	-81.263044	Rhinestreet Sh	389	4708505190
39.167114	-81.258944	Rhinestreet Sh	389	4708505251
37.965167	-81.310347	Rhinestreet Sh	388	4701900510
38.527008	-81.479945	Rhinestreet Sh	388	4703901418

37.959506	-81.349266	Rhinestreet Sh	388	4708100680
38.596988	-81.338321	Rhinestreet Sh	388	4708700574
37.832898	-81.668678	Rhinestreet Sh	386	4700501693
38.445506	-81.531747	Rhinestreet Sh	385	4703900389
38.409119	-81.42017	Rhinestreet Sh	385	4703901583
39.150992	-81.272733	Rhinestreet Sh	384	4708505202
37.772218	-81.669775	Rhinestreet Sh	384	4710901804
37.854826	-81.605638	Rhinestreet Sh	383	4700501766
38.61484	-81.264592	Rhinestreet Sh	383	4708704199
38.270331	-81.548846	Rhinestreet Sh	382	4703900264
38.401717	-81.398971	Rhinestreet Sh	382	4703901281
37.828689	-81.310315	Rhinestreet Sh	382	4708100289
39.080866	-81.304687	Rhinestreet Sh	382	4710501042
38.537167	-81.571405	Rhinestreet Sh	380	4703900703
38.452237	-81.429574	Rhinestreet Sh	380	4703901575
39.351642	-81.285919	Rhinestreet Sh	380	4707300646
39.238117	-81.257201	Rhinestreet Sh	380	4708501256
39.252915	-81.257467	Rhinestreet Sh	380	4708501894
39.24463	-81.252795	Rhinestreet Sh	380	4708506058
39.247388	-81.258013	Rhinestreet Sh	380	4708506068
39.289925	-81.169467	Rhinestreet Sh	380	4708507217
38.583345	-81.439386	Rhinestreet Sh	380	4708700483
38.768617	-81.364325	Rhinestreet Sh	380	4708703425
38.263078	-82.416942	Rhinestreet Sh	38	4709900258
38.272653	-82.46496	Rhinestreet Sh	38	4709900864
38.318965	-82.485393	Rhinestreet Sh	38	4709900892
38.292549	-82.481159	Rhinestreet Sh	38	4709900939
38.328689	-82.472139	Rhinestreet Sh	38	4709900974
38.257994	-82.481527	Rhinestreet Sh	38	4709901217
39.188304	-81.2841	Rhinestreet Sh	379	4708505775
38.707027	-81.368305	Rhinestreet Sh	379	4708703850
38.624867	-81.272204	Rhinestreet Sh	379	4708704217
38.623549	-81.25628	Rhinestreet Sh	378	4708704201
39.262784	-81.282667	Rhinestreet Sh	378	4710700518
38.557644	-81.524382	Rhinestreet Sh	377	4703900719
39.259493	-81.236302	Rhinestreet Sh	377	4708503242
38.38393	-81.381799	Rhinestreet Sh	375	4703901208
38.389526	-81.401184	Rhinestreet Sh	375	4703901240
38.517428	-81.475512	Rhinestreet Sh	375	4703901472
38.452383	-81.417404	Rhinestreet Sh	375	4703901603
39.332172	-81.25056	Rhinestreet Sh	375	4707301721
39.31969	-81.308467	Rhinestreet Sh	375	4707301788
38.581882	-81.276044	Rhinestreet Sh	375	4708704161
38.588715	-81.266624	Rhinestreet Sh	374	4708704162
39.35976	-81.272027	Rhinestreet Sh	373	4707301635
39.072158	-81.321614	Rhinestreet Sh	371	4710500969
39.099657	-81.311657	Rhinestreet Sh	371	4710501032
38.406191	-81.417499	Rhinestreet Sh	370	4703901195
38.394868	-81.483487	Rhinestreet Sh	370	4703901341

39.331011	-81.283974	Rhinestreet Sh	370	4707301483
39.292549	-81.253733	Rhinestreet Sh	370	4707301520
39.332898	-81.254107	Rhinestreet Sh	370	4707301626
39.326657	-81.309214	Rhinestreet Sh	370	4707301647
37.866872	-81.543678	Rhinestreet Sh	370	4708100834
38.57448	-81.274567	Rhinestreet Sh	370	4708704179
38.953611	-81.290858	Rhinestreet Sh	370	4710500531
38.200786	-82.494534	Rhinestreet Sh	37	4709900163
38.293501	-82.459005	Rhinestreet Sh	37	4709900942
38.269315	-82.478766	Rhinestreet Sh	37	4709901056
38.177128	-82.517274	Rhinestreet Sh	37	4709901199
38.214296	-82.511577	Rhinestreet Sh	37	4709902077
38.623549	-81.271057	Rhinestreet Sh	369	4708704178
38.434531	-81.428283	Rhinestreet Sh	365	4703901271
38.519896	-81.482346	Rhinestreet Sh	365	4703901466
38.453253	-81.400815	Rhinestreet Sh	365	4703901601
39.366727	-81.269787	Rhinestreet Sh	365	4707300124
39.330323	-81.287114	Rhinestreet Sh	365	4707300667
38.605261	-81.297208	Rhinestreet Sh	365	4708704181
38.616582	-81.274197	Rhinestreet Sh	364	4708704177
38.719811	-81.366639	Rhinestreet Sh	363	4708703394
37.617163	-81.600097	Rhinestreet Sh	363	4710901761
38.911732	-81.326389	Rhinestreet Sh	362	4710501023
38.713135	-81.459073	Rhinestreet Sh	361	4708704447
38.573015	-81.52905	Rhinestreet Sh	360	4703900842
38.238976	-81.439963	Rhinestreet Sh	360	4703901109
38.408087	-81.464044	Rhinestreet Sh	360	4703901261
38.41478	-81.392886	Rhinestreet Sh	360	4703901300
38.382994	-81.310475	Rhinestreet Sh	360	4703903909
37.777153	-81.723508	Rhinestreet Sh	360	4704501280
38.708333	-81.40257	Rhinestreet Sh	360	4708703441
38.288764	-82.481343	Rhinestreet Sh	36	4709900270
38.1944	-82.503859	Rhinestreet Sh	36	4709900928
38.216038	-82.531423	Rhinestreet Sh	36	4709901352
37.967634	-81.454027	Rhinestreet Sh	358	4708100342
38.774846	-81.366823	Rhinestreet Sh	358	4708703426
38.68424	-81.388692	Rhinestreet Sh	358	4708703478
38.692658	-81.385547	Rhinestreet Sh	358	4708703547
38.701657	-81.381476	Rhinestreet Sh	358	4708703548
38.537603	-81.283802	Rhinestreet Sh	358	4708704204
38.596843	-81.312539	Rhinestreet Sh	358	4708704255
38.404185	-81.423674	Rhinestreet Sh	357	4703901536
38.625883	-81.271094	Rhinestreet Sh	357	4708704256
37.639671	-81.666667	Rhinestreet Sh	357	4710901661
38.093991	-81.631105	Rhinestreet Sh	356	4700500428
38.406507	-81.43695	Rhinestreet Sh	356	4703901140
38.439175	-81.288723	Rhinestreet Sh	356	4703903846
38.612663	-81.296284	Rhinestreet Sh	356	4708704183
38.594666	-81.292036	Rhinestreet Sh	356	4708704203

38.533394	-81.609747	Rhinestreet Sh	355	4703900449
38.418275	-81.413354	Rhinestreet Sh	355	4703901305
38.402153	-81.448936	Rhinestreet Sh	355	4703901593
38.733309	-81.351282	Rhinestreet Sh	355	4708703914
38.443965	-81.309553	Rhinestreet Sh	354	4703902624
37.744194	-81.907854	Rhinestreet Sh	354	4704501257
38.644606	-81.261287	Rhinestreet Sh	354	4708704115
38.951657	-81.398767	Rhinestreet Sh	354	4710500870
38.539036	-81.510416	Rhinestreet Sh	353	4703900779
38.712264	-81.409231	Rhinestreet Sh	353	4708703472
38.602358	-81.287866	Rhinestreet Sh	352	4708704182
37.941788	-81.376099	Rhinestreet Sh	351	4708100628
38.520041	-81.55903	Rhinestreet Sh	350	4703900267
38.50306	-81.518102	Rhinestreet Sh	350	4703900386
38.522414	-81.515811	Rhinestreet Sh	350	4703900561
38.398524	-81.45207	Rhinestreet Sh	350	4703901214
38.41536	-81.386801	Rhinestreet Sh	350	4703901269
38.427564	-81.453177	Rhinestreet Sh	350	4703901382
38.43903	-81.446723	Rhinestreet Sh	350	4703901549
37.967634	-81.421611	Rhinestreet Sh	350	4708100627
38.721553	-81.382956	Rhinestreet Sh	350	4708703428
38.6041	-81.306444	Rhinestreet Sh	350	4708704185
39.013219	-81.223028	Rhinestreet Sh	350	4710501083
37.754947	-81.694822	Rhinestreet Sh	350	4710900254
38.203399	-82.554346	Rhinestreet Sh	35	4709900337
38.338706	-82.437872	Rhinestreet Sh	35	4709900900
38.333333	-82.502761	Rhinestreet Sh	35	4709900970
38.285716	-82.485393	Rhinestreet Sh	35	4709901014
38.17598	-82.486469	Rhinestreet Sh	35	4709901054
38.250655	-82.472257	Rhinestreet Sh	35	4709901246
38.264235	-82.493676	Rhinestreet Sh	35	4709901302
38.382298	-81.489196	Rhinestreet Sh	349	4703901482
38.619049	-81.321775	Rhinestreet Sh	349	4708703788
38.458188	-81.3149	Rhinestreet Sh	348	4703902667
38.717344	-81.407751	Rhinestreet Sh	348	4708703484
38.004798	-81.328766	Rhinestreet Sh	347	4701900482
38.435982	-81.324304	Rhinestreet Sh	347	4703902606
38.475326	-81.327623	Rhinestreet Sh	346	4703902665
38.718505	-81.388878	Rhinestreet Sh	346	4708703427
38.583781	-81.299425	Rhinestreet Sh	346	4708704218
38.568094	-81.310507	Rhinestreet Sh	344	4708704180
38.607438	-81.297947	Rhinestreet Sh	344	4708704250
38.921323	-81.33066	Rhinestreet Sh	344	4710501022
39.293554	-81.220519	Rhinestreet Sh	343	4708503622
38.682499	-81.397574	Rhinestreet Sh	343	4708703475
38.690191	-81.389433	Rhinestreet Sh	343	4708703486
38.457843	-81.343537	Rhinestreet Sh	342	4703902605
38.69977	-81.409416	Rhinestreet Sh	342	4708703405
38.695997	-81.402755	Rhinestreet Sh	342	4708703442

38.585232	-81.285095	Rhinestreet Sh	342	4708704197
38.451512	-81.321723	Rhinestreet Sh	341	4703902614
38.494093	-81.31307	Rhinestreet Sh	341	4703903676
39.15941	-81.251863	Rhinestreet Sh	341	4708505252
39.090682	-81.320061	Rhinestreet Sh	341	4710500972
38.533103	-81.143841	Rhinestreet Sh	340	4701502500
38.400701	-81.417773	Rhinestreet Sh	340	4703901238
38.422194	-81.384773	Rhinestreet Sh	340	4703901253
38.398379	-81.42478	Rhinestreet Sh	340	4703901299
38.528169	-81.477174	Rhinestreet Sh	340	4703901417
38.442658	-81.450411	Rhinestreet Sh	340	4703901496
38.452237	-81.454836	Rhinestreet Sh	340	4703901516
38.396347	-81.415567	Rhinestreet Sh	340	4703901587
38.408684	-81.431603	Rhinestreet Sh	340	4703901614
38.44411	-81.320985	Rhinestreet Sh	340	4703902613
37.411392	-81.564819	Rhinestreet Sh	340	4704700869
38.617017	-81.301641	Rhinestreet Sh	340	4708703564
38.739985	-81.399609	Rhinestreet Sh	340	4708703567
38.646492	-81.476282	Rhinestreet Sh	340	4708703582
38.596698	-81.280478	Rhinestreet Sh	340	4708704247
39.129656	-81.309928	Rhinestreet Sh	340	4710501004
38.381543	-82.506269	Rhinestreet Sh	34	4709900074
38.228918	-82.501628	Rhinestreet Sh	34	4709900855
38.342634	-82.482447	Rhinestreet Sh	34	4709900912
38.321953	-82.471154	Rhinestreet Sh	34	4709900926
38.171019	-82.45292	Rhinestreet Sh	34	4709901276
38.307644	-81.521353	Rhinestreet Sh	338	4703900252
38.431483	-81.487468	Rhinestreet Sh	338	4703901353
38.076076	-81.369106	Rhinestreet Sh	338	4703903936
38.714876	-81.415337	Rhinestreet Sh	338	4708703473
38.687433	-81.473506	Rhinestreet Sh	338	4708703581
38.695416	-81.419627	Rhinestreet Sh	336	4708703476
38.679451	-81.385362	Rhinestreet Sh	336	4708703480
38.699915	-81.414412	Rhinestreet Sh	336	4708703546
38.250302	-81.573512	Rhinestreet Sh	335	4703900074
38.285716	-81.516567	Rhinestreet Sh	335	4703900358
38.392719	-81.458702	Rhinestreet Sh	335	4703901254
38.424081	-81.426624	Rhinestreet Sh	335	4703901483
38.408829	-81.475851	Rhinestreet Sh	335	4703901585
38.461974	-81.332786	Rhinestreet Sh	335	4703902622
38.422387	-81.389337	Rhinestreet Sh	335	4703902787
39.074034	-81.293167	Rhinestreet Sh	335	4710501017
38.438751	-81.356567	Rhinestreet Sh	334	4703900226
38.522799	-81.480314	Rhinestreet Sh	334	4703901617
38.593069	-81.320667	Rhinestreet Sh	334	4708704194
38.277559	-81.503076	Rhinestreet Sh	332	4703900222
38.443094	-81.330942	Rhinestreet Sh	332	4703902612
38.466285	-81.322139	Rhinestreet Sh	332	4703902666
37.965312	-81.432233	Rhinestreet Sh	332	4708100626

39.001404	-81.344167	Rhinestreet Sh	332	4710500897
38.43366	-81.211837	Rhinestreet Sh	331	4701502535
38.296613	-81.370885	Rhinestreet Sh	331	4703903462
38.796475	-81.438634	Rhinestreet Sh	331	4708701483
38.896681	-81.418755	Rhinestreet Sh	331	4708703197
37.828834	-81.69665	Rhinestreet Sh	330	4700501614
38.054596	-81.318267	Rhinestreet Sh	330	4701900517
38.506748	-81.589856	Rhinestreet Sh	330	4703900729
38.473149	-81.448382	Rhinestreet Sh	330	4703900754
38.562869	-81.522904	Rhinestreet Sh	330	4703900789
38.586776	-81.51732	Rhinestreet Sh	330	4703900886
38.553144	-81.500185	Rhinestreet Sh	330	4703900888
38.450565	-81.456087	Rhinestreet Sh	330	4703901511
38.424924	-81.436273	Rhinestreet Sh	330	4703901524
38.527878	-81.359747	Rhinestreet Sh	330	4703903810
37.662603	-81.939117	Rhinestreet Sh	330	4705901279
37.682208	-81.949155	Rhinestreet Sh	33	4704501241
38.302999	-82.489377	Rhinestreet Sh	33	4709900935
38.336828	-82.471587	Rhinestreet Sh	33	4709900957
38.298645	-82.485393	Rhinestreet Sh	33	4709900969
38.445801	-81.34238	Rhinestreet Sh	329	4703902593
38.171758	-81.500184	Rhinestreet Sh	329	4703904848
37.982438	-81.279485	Rhinestreet Sh	328	4701900458
38.506833	-81.635344	Rhinestreet Sh	328	4703900468
38.401427	-81.476035	Rhinestreet Sh	328	4703901258
38.437326	-81.34021	Rhinestreet Sh	328	4703902595
38.523524	-81.584996	Rhinestreet Sh	326	4703900250
38.510942	-81.591631	Rhinestreet Sh	326	4703900384
38.404185	-81.474744	Rhinestreet Sh	326	4703901623
37.279475	-81.660959	Rhinestreet Sh	326	4704701202
38.288764	-81.528716	Rhinestreet Sh	325	4703900238
38.560894	-81.535495	Rhinestreet Sh	325	4703900728
38.431918	-81.448198	Rhinestreet Sh	325	4703901356
38.466183	-81.342184	Rhinestreet Sh	325	4703902621
38.241727	-81.392457	Rhinestreet Sh	325	4703902751
38.072552	-81.417229	Rhinestreet Sh	325	4703903687
38.03499	-81.403434	Rhinestreet Sh	325	4703903796
38.561708	-81.340352	Rhinestreet Sh	325	4708704198
38.519903	-81.634669	Rhinestreet Sh	324	4703900338
38.506978	-81.513669	Rhinestreet Sh	322	4703900287
38.605697	-81.324915	Rhinestreet Sh	322	4708703568
38.47939	-81.531163	Rhinestreet Sh	320	4703900301
38.528894	-81.50628	Rhinestreet Sh	320	4703900534
38.569233	-81.518679	Rhinestreet Sh	320	4703900845
38.590747	-81.522904	Rhinestreet Sh	320	4703900887
38.444255	-81.443219	Rhinestreet Sh	320	4703901523
38.427813	-81.378088	Rhinestreet Sh	320	4703903348
38.690626	-81.443867	Rhinestreet Sh	320	4708703485
38.218968	-82.408118	Rhinestreet Sh	32	4709900157

38.139119	-82.458314	Rhinestreet Sh	32	4709901067
38.25734	-82.447039	Rhinestreet Sh	32	4709901172
38.255741	-82.465723	Rhinestreet Sh	32	4709901185
38.287022	-82.5	Rhinestreet Sh	32	4709901454
38.291969	-81.552159	Rhinestreet Sh	319	4703900209
38.316642	-81.38494	Rhinestreet Sh	318	4703902640
39.131543	-81.374141	Rhinestreet Sh	318	4710501008
37.81911	-81.707254	Rhinestreet Sh	317	4700501701
38.410716	-81.468475	Rhinestreet Sh	316	4703901264
38.695706	-81.450898	Rhinestreet Sh	316	4708703538
37.849746	-81.717109	Rhinestreet Sh	315	4700501684
37.860196	-81.646757	Rhinestreet Sh	315	4700501737
38.29496	-81.585694	Rhinestreet Sh	315	4703900191
38.51125	-81.531649	Rhinestreet Sh	315	4703900433
38.534781	-81.502717	Rhinestreet Sh	315	4703900672
38.127624	-81.344359	Rhinestreet Sh	315	4703904094
38.630321	-81.715999	Rhinestreet Sh	315	4707900090
39.256543	-81.42824	Rhinestreet Sh	315	4710701195
37.746226	-81.714539	Rhinestreet Sh	315	4710900200
38.867743	-81.647243	Rhinestreet Sh	314	4703502315
38.297774	-81.534606	Rhinestreet Sh	314	4703900142
38.515832	-81.483454	Rhinestreet Sh	314	4703901619
38.69977	-81.450343	Rhinestreet Sh	314	4708703540
39.091618	-81.724144	Rhinestreet Sh	314	4710701639
38.425387	-81.384773	Rhinestreet Sh	313	4703901308
38.291969	-81.394696	Rhinestreet Sh	313	4703904970
37.938769	-81.992121	Rhinestreet Sh	313	4704500744
38.595725	-81.75704	Rhinestreet Sh	313	4707900334
37.862808	-81.711807	Rhinestreet Sh	312	4700501691
37.862518	-81.688058	Rhinestreet Sh	312	4700501774
38.536287	-81.486414	Rhinestreet Sh	312	4703901410
38.408974	-81.405609	Rhinestreet Sh	312	4703901610
38.376173	-81.384404	Rhinestreet Sh	312	4703903718
38.398524	-81.409666	Rhinestreet Sh	311	4703903212
38.50901	-81.790267	Rhinestreet Sh	311	4707900541
38.519017	-81.512186	Rhinestreet Sh	310	4703900391
38.538328	-81.554227	Rhinestreet Sh	310	4703900786
38.563449	-81.502955	Rhinestreet Sh	310	4703900855
38.593069	-81.534911	Rhinestreet Sh	310	4703900863
38.56969	-81.510898	Rhinestreet Sh	310	4703900914
38.376743	-81.509111	Rhinestreet Sh	310	4703901307
38.507849	-81.476435	Rhinestreet Sh	310	4703901455
38.291086	-81.483552	Rhinestreet Sh	310	4703903950
37.864648	-82.03926	Rhinestreet Sh	310	4704500142
38.666051	-81.741864	Rhinestreet Sh	310	4707900246
39.117241	-81.390091	Rhinestreet Sh	310	4710500982
38.440015	-82.286024	Rhinestreet Sh	31	4701100526
38.216763	-82.434492	Rhinestreet Sh	31	4709900235
38.261478	-82.474164	Rhinestreet Sh	31	4709901194

38.283394	-82.48392	Rhinestreet Sh	31	4709901203
38.239497	-82.543633	Rhinestreet Sh	31	4709901368
38.408974	-81.500369	Rhinestreet Sh	309	4703901318
38.359035	-81.410343	Rhinestreet Sh	309	4703903720
38.533394	-81.375739	Rhinestreet Sh	309	4703903862
38.533249	-81.38442	Rhinestreet Sh	308	4703902433
38.390378	-81.423839	Rhinestreet Sh	308	4703902791
37.862953	-82.032909	Rhinestreet Sh	308	4704500118
38.601052	-81.27586	Rhinestreet Sh	308	4708704245
37.604245	-81.760933	Rhinestreet Sh	308	4710901816
38.710812	-81.690721	Rhinestreet Sh	307	4703501979
38.326802	-81.436915	Rhinestreet Sh	307	4703900296
38.574625	-81.564386	Rhinestreet Sh	307	4703900824
38.403955	-81.405416	Rhinestreet Sh	307	4703903213
38.391507	-81.398902	Rhinestreet Sh	307	4703903593
37.732438	-81.941672	Rhinestreet Sh	307	4704501288
38.476445	-81.554918	Rhinestreet Sh	306	4703900674
38.502522	-81.782782	Rhinestreet Sh	306	4707900545
38.710667	-81.367565	Rhinestreet Sh	306	4708703715
38.504656	-81.520688	Rhinestreet Sh	305	4703900317
38.122097	-81.519812	Rhinestreet Sh	305	4703900388
38.493904	-81.537985	Rhinestreet Sh	305	4703900393
38.268735	-81.560442	Rhinestreet Sh	305	4703900402
38.478468	-81.67254	Rhinestreet Sh	305	4703900516
38.58857	-81.527707	Rhinestreet Sh	305	4703900867
38.55895	-81.498785	Rhinestreet Sh	305	4703900934
38.526137	-81.492875	Rhinestreet Sh	305	4703901412
38.424995	-81.393857	Rhinestreet Sh	305	4703902831
38.558515	-81.300533	Rhinestreet Sh	305	4708704401
38.538619	-81.596633	Rhinestreet Sh	304	4703900423
38.41998	-81.401486	Rhinestreet Sh	304	4703902830
39.256978	-81.2724	Rhinestreet Sh	304	4710700351
39.080576	-81.50837	Rhinestreet Sh	304	4710700756
38.479454	-81.548856	Rhinestreet Sh	303	4703900430
38.392864	-81.419617	Rhinestreet Sh	303	4703901276
37.612518	-81.776603	Rhinestreet Sh	303	4710901900
37.86963	-81.673248	Rhinestreet Sh	302	4700501745
38.543454	-81.507135	Rhinestreet Sh	302	4703900762
38.451657	-81.311397	Rhinestreet Sh	302	4703902623
38.446077	-81.407877	Rhinestreet Sh	302	4703902783
38.669146	-81.470546	Rhinestreet Sh	301	4708703542
37.857003	-81.68824	Rhinestreet Sh	300	4700501683
38.282088	-81.545348	Rhinestreet Sh	300	4703900230
38.272363	-81.555104	Rhinestreet Sh	300	4703900263
38.493364	-81.533846	Rhinestreet Sh	300	4703900318
38.541524	-81.607687	Rhinestreet Sh	300	4703900570
38.539344	-81.498047	Rhinestreet Sh	300	4703900850
38.597859	-81.526044	Rhinestreet Sh	300	4703900865
38.306192	-81.469746	Rhinestreet Sh	300	4703902809

38.729826	-81.399054	Rhinestreet Sh	300	4708703487
39.122097	-81.382254	Rhinestreet Sh	300	4710501129
39.105697	-81.390439	Rhinestreet Sh	300	4710501167
39.122968	-81.394903	Rhinestreet Sh	300	4710501202
39.18896	-81.446589	Rhinestreet Sh	300	4710700469
39.183369	-81.4091	Rhinestreet Sh	300	4710701237
39.16449	-81.450021	Rhinestreet Sh	300	4710701274
37.740131	-81.578536	Rhinestreet Sh	300	4710900688
38.225326	-82.513782	Rhinestreet Sh	30	4709900006
38.342254	-82.488397	Rhinestreet Sh	30	4709900932
38.26409	-82.468826	Rhinestreet Sh	30	4709901282
38.545278	-81.582097	Rhinestreet Sh	299	4703900626
38.561291	-81.383679	Rhinestreet Sh	299	4708703563
39.213135	-81.462433	Rhinestreet Sh	299	4710701243
38.514235	-81.479575	Rhinestreet Sh	298	4703901471
37.706198	-81.947623	Rhinestreet Sh	298	4704500379
37.816352	-81.69921	Rhinestreet Sh	298	4704501205
38.40032	-81.428726	Rhinestreet Sh	297	4703902792
38.463251	-81.790158	Rhinestreet Sh	297	4707900570
39.115081	-81.31237	Rhinestreet Sh	297	4710501005
38.698319	-81.480537	Rhinestreet Sh	296	4708703559
38.675387	-81.478687	Rhinestreet Sh	296	4708703579
38.458345	-81.557156	Rhinestreet Sh	295	4703900485
38.523548	-81.545326	Rhinestreet Sh	295	4703900576
38.522598	-81.523658	Rhinestreet Sh	295	4703900660
38.531313	-81.526985	Rhinestreet Sh	295	4703900665
38.488207	-81.498665	Rhinestreet Sh	295	4703901256
38.531072	-81.488441	Rhinestreet Sh	295	4703901379
38.493833	-81.488173	Rhinestreet Sh	295	4703901529
38.403894	-81.41446	Rhinestreet Sh	295	4703901579
38.404773	-81.418815	Rhinestreet Sh	295	4703902840
38.448319	-81.405241	Rhinestreet Sh	295	4703903353
38.468609	-81.505436	Rhinestreet Sh	294	4703901322
38.395041	-81.42478	Rhinestreet Sh	294	4703901582
38.396148	-81.431417	Rhinestreet Sh	294	4703902816
38.82477	-81.433719	Rhinestreet Sh	294	4708701022
38.301983	-81.53295	Rhinestreet Sh	293	4703900260
38.41536	-81.682525	Rhinestreet Sh	293	4703900627
38.473944	-81.501019	Rhinestreet Sh	293	4703901278
38.247151	-81.506048	Rhinestreet Sh	293	4703903404
38.55339	-81.77206	Rhinestreet Sh	293	4707900416
39.115276	-81.498883	Rhinestreet Sh	293	4710700803
37.869049	-81.707803	Rhinestreet Sh	292	4700501592
38.031072	-81.352779	Rhinestreet Sh	292	4701900516
38.275411	-81.5459	Rhinestreet Sh	292	4703900219
38.422774	-81.376475	Rhinestreet Sh	292	4703901328
38.380527	-81.438609	Rhinestreet Sh	292	4703901684
38.415147	-81.495495	Rhinestreet Sh	291	4703901285
38.140439	-81.514993	Rhinestreet Sh	291	4703902481

38.366555	-81.440395	Rhinestreet Sh	291	4703903401
38.302237	-81.526724	Rhinestreet Sh	290	4703900194
38.567368	-81.598295	Rhinestreet Sh	290	4703900484
38.542404	-81.57824	Rhinestreet Sh	290	4703900609
38.53101	-81.533274	Rhinestreet Sh	290	4703900647
38.086974	-81.38619	Rhinestreet Sh	290	4703901343
38.510026	-81.484563	Rhinestreet Sh	290	4703901437
38.446577	-81.447645	Rhinestreet Sh	290	4703901970
37.979681	-81.449082	Rhinestreet Sh	290	4703903860
37.868393	-82.032758	Rhinestreet Sh	290	4704500124
39.08618	-81.31716	Rhinestreet Sh	290	4710500721
37.635317	-81.779386	Rhinestreet Sh	290	4710901821
38.815678	-81.836749	Rhinestreet Sh	29	4703501380
38.333234	-82.52039	Rhinestreet Sh	29	4709901540
38.406797	-81.441191	Rhinestreet Sh	289	4703901594
37.613244	-81.784803	Rhinestreet Sh	289	4710901899
37.853229	-81.69665	Rhinestreet Sh	288	4700501574
37.885462	-81.669414	Rhinestreet Sh	288	4700501744
38.241727	-81.654633	Rhinestreet Sh	288	4703900043
38.517719	-81.549609	Rhinestreet Sh	288	4703900444
38.433079	-81.384957	Rhinestreet Sh	288	4703901360
38.266267	-81.456427	Rhinestreet Sh	288	4703903645
37.871517	-81.384873	Rhinestreet Sh	288	4708100336
38.66449	-81.400905	Rhinestreet Sh	288	4708703507
38.397944	-81.457971	Rhinestreet Sh	287	4703902832
38.641856	-81.717751	Rhinestreet Sh	287	4707900219
37.818819	-81.713818	Rhinestreet Sh	286	4700501612
38.517944	-81.59063	Rhinestreet Sh	286	4703900416
38.528491	-81.520046	Rhinestreet Sh	286	4703900645
38.674806	-81.303324	Rhinestreet Sh	286	4708703900
38.330247	-81.745626	Rhinestreet Sh	285	4703900166
38.528938	-81.567494	Rhinestreet Sh	285	4703900179
38.532233	-81.56531	Rhinestreet Sh	285	4703900261
38.483599	-81.568219	Rhinestreet Sh	285	4703900311
38.554657	-81.522929	Rhinestreet Sh	285	4703900821
38.57419	-81.547947	Rhinestreet Sh	285	4703900823
38.601342	-81.52235	Rhinestreet Sh	285	4703900862
38.588425	-81.538974	Rhinestreet Sh	285	4703900878
38.594811	-81.519949	Rhinestreet Sh	285	4703900885
38.581301	-81.547023	Rhinestreet Sh	285	4703900910
38.552274	-81.495276	Rhinestreet Sh	285	4703900953
38.417432	-81.398271	Rhinestreet Sh	285	4703901540
38.446722	-81.433631	Rhinestreet Sh	285	4703902814
38.430176	-81.445432	Rhinestreet Sh	285	4703903366
38.397073	-81.792957	Rhinestreet Sh	285	4703904869
38.299806	-81.494412	Rhinestreet Sh	285	4703905229
37.334361	-81.851494	Rhinestreet Sh	285	4704701376
38.443965	-81.798305	Rhinestreet Sh	285	4707900576
38.820926	-81.411572	Rhinestreet Sh	285	4708703237

38.695416	-81.495525	Rhinestreet Sh	285	4708703543
38.786151	-81.306495	Rhinestreet Sh	285	4708703853
38.413474	-81.475113	Rhinestreet Sh	284	4703901616
38.426693	-81.579836	Rhinestreet Sh	284	4703901665
38.279929	-81.454568	Rhinestreet Sh	284	4703903646
37.596408	-81.834244	Rhinestreet Sh	284	4705901337
38.445725	-81.546503	Rhinestreet Sh	283	4703900341
38.495454	-81.528295	Rhinestreet Sh	283	4703900342
38.524784	-81.530653	Rhinestreet Sh	283	4703900600
38.531652	-81.502401	Rhinestreet Sh	283	4703900615
39.118904	-81.387835	Rhinestreet Sh	283	4710501087
38.594376	-81.547947	Rhinestreet Sh	282	4703900932
38.386623	-81.46534	Rhinestreet Sh	282	4703901320
38.391413	-81.456255	Rhinestreet Sh	282	4703903375
38.567886	-81.655842	Rhinestreet Sh	281	4703900522
37.695271	-81.789242	Rhinestreet Sh	281	4704501363
38.491149	-81.529133	Rhinestreet Sh	280	4703900348
38.50995	-81.540845	Rhinestreet Sh	280	4703900387
38.493759	-81.514936	Rhinestreet Sh	280	4703900406
38.564567	-81.577591	Rhinestreet Sh	280	4703900482
38.513365	-81.657879	Rhinestreet Sh	280	4703900533
38.507202	-81.531485	Rhinestreet Sh	280	4703900566
38.516667	-81.60591	Rhinestreet Sh	280	4703900606
38.468069	-81.561766	Rhinestreet Sh	280	4703900631
38.539102	-81.536037	Rhinestreet Sh	280	4703900656
38.55387	-81.507204	Rhinestreet Sh	280	4703900795
38.590312	-81.546284	Rhinestreet Sh	280	4703900853
38.524105	-81.485856	Rhinestreet Sh	280	4703901352
38.521783	-81.476805	Rhinestreet Sh	280	4703901449
38.408452	-81.46636	Rhinestreet Sh	280	4703903344
38.420452	-81.462759	Rhinestreet Sh	280	4703903365
38.461985	-81.846621	Rhinestreet Sh	280	4707900569
39.044581	-81.583519	Rhinestreet Sh	280	4710700252
37.538183	-81.753098	Rhinestreet Sh	280	4710900016
38.424806	-82.427361	Rhinestreet Sh	28	4701100065
38.341763	-82.476005	Rhinestreet Sh	28	4709900931
38.215018	-82.543226	Rhinestreet Sh	28	4709901252
38.398524	-81.445248	Rhinestreet Sh	279	4703901547
37.677128	-81.8216	Rhinestreet Sh	279	4704501368
39.099165	-81.438802	Rhinestreet Sh	278	4710501024
38.473638	-81.508159	Rhinestreet Sh	277	4703901315
38.443239	-81.457602	Rhinestreet Sh	277	4703902797
38.419442	-81.466148	Rhinestreet Sh	277	4703902804
37.665506	-81.808824	Rhinestreet Sh	277	4704500705
38.560705	-81.772016	Rhinestreet Sh	277	4707900435
37.577092	-81.777697	Rhinestreet Sh	277	4710901809
38.461974	-81.553652	Rhinestreet Sh	276	4703900320
38.693118	-81.790937	Rhinestreet Sh	276	4705300231
38.281942	-81.511229	Rhinestreet Sh	275	4703900241

38.516558	-81.59497	Rhinestreet Sh	275	4703900322
38.453856	-81.571441	Rhinestreet Sh	275	4703900369
38.562838	-81.58498	Rhinestreet Sh	275	4703900637
38.412748	-81.39934	Rhinestreet Sh	275	4703901245
38.447448	-81.453177	Rhinestreet Sh	275	4703902839
39.056773	-81.577566	Rhinestreet Sh	275	4710700281
37.865131	-81.637249	Rhinestreet Sh	273	4700501759
38.534593	-81.510787	Rhinestreet Sh	273	4703900666
38.272458	-81.477242	Rhinestreet Sh	273	4703902743
38.616979	-81.759781	Rhinestreet Sh	273	4707900699
39.092002	-81.541885	Rhinestreet Sh	273	4710700586
37.672049	-81.749218	Rhinestreet Sh	273	4710901913
38.445491	-81.589023	Rhinestreet Sh	272	4703900458
38.579995	-81.570667	Rhinestreet Sh	272	4703900723
38.379331	-81.470989	Rhinestreet Sh	272	4703901334
38.283748	-81.476329	Rhinestreet Sh	272	4703903700
38.348992	-81.496229	Rhinestreet Sh	271	4703902719
38.242308	-81.489573	Rhinestreet Sh	271	4703903631
37.617743	-81.818999	Rhinestreet Sh	271	4705901261
38.512929	-81.535095	Rhinestreet Sh	270	4703900284
38.517873	-81.537296	Rhinestreet Sh	270	4703900521
38.506881	-81.620153	Rhinestreet Sh	270	4703900544
38.296193	-81.600479	Rhinestreet Sh	270	4703900662
38.537313	-81.546654	Rhinestreet Sh	270	4703900669
38.52302	-81.685013	Rhinestreet Sh	270	4703900689
38.553435	-81.565125	Rhinestreet Sh	270	4703900791
38.406652	-81.472347	Rhinestreet Sh	270	4703901280
38.391122	-81.446354	Rhinestreet Sh	270	4703901286
38.051403	-81.451522	Rhinestreet Sh	270	4703902796
38.616147	-81.699546	Rhinestreet Sh	270	4703905616
38.656362	-81.46925	Rhinestreet Sh	270	4708703966
38.358697	-82.527487	Rhinestreet Sh	27	4709900164
38.103478	-82.445497	Rhinestreet Sh	27	4709900254
38.511246	-81.616195	Rhinestreet Sh	269	4703900356
37.658684	-81.807546	Rhinestreet Sh	269	4705901353
38.467924	-81.540751	Rhinestreet Sh	268	4703900326
38.426693	-81.466815	Rhinestreet Sh	268	4703901359
38.117327	-82.193337	Rhinestreet Sh	268	4704300614
37.659119	-81.829448	Rhinestreet Sh	268	4705901308
38.421613	-81.397496	Rhinestreet Sh	267	4703901302
38.336974	-81.485945	Rhinestreet Sh	267	4703903968
38.562421	-81.766273	Rhinestreet Sh	267	4707900390
38.564901	-81.293329	Rhinestreet Sh	266	4708704404
38.521057	-81.553304	Rhinestreet Sh	265	4703900360
38.489405	-81.560106	Rhinestreet Sh	265	4703900704
38.564901	-81.569374	Rhinestreet Sh	265	4703900718
38.561024	-81.515496	Rhinestreet Sh	265	4703900780
38.558352	-81.545589	Rhinestreet Sh	265	4703900782
38.592053	-81.529	Rhinestreet Sh	265	4703900808

38.544001	-81.499524	Rhinestreet Sh	265	4703900817
38.594085	-81.537127	Rhinestreet Sh	265	4703900870
38.318239	-81.477845	Rhinestreet Sh	265	4703903896
37.654185	-81.804078	Rhinestreet Sh	265	4705901354
38.427709	-81.557709	Rhinestreet Sh	264	4703900205
38.523669	-81.509974	Rhinestreet Sh	264	4703900337
38.481267	-81.680339	Rhinestreet Sh	264	4703900340
38.243113	-81.627034	Rhinestreet Sh	264	4703901768
38.275701	-81.496437	Rhinestreet Sh	264	4703903963
38.262494	-81.502577	Rhinestreet Sh	264	4703903970
37.718069	-81.8671	Rhinestreet Sh	264	4704501119
38.540562	-81.769423	Rhinestreet Sh	264	4707900411
38.210671	-82.388487	Rhinestreet Sh	264	4709900118
38.546253	-81.618602	Rhinestreet Sh	263	4703900543
37.663038	-81.817585	Rhinestreet Sh	263	4704501369
38.51577	-81.788697	Rhinestreet Sh	263	4707900532
38.780201	-81.310202	Rhinestreet Sh	263	4708703856
38.457343	-81.565929	Rhinestreet Sh	262	4703900475
38.470326	-81.552017	Rhinestreet Sh	262	4703900555
38.508834	-81.597737	Rhinestreet Sh	262	4703900571
38.59232	-81.521254	Rhinestreet Sh	262	4703900864
39.098585	-81.45052	Rhinestreet Sh	262	4710500887
38.451215	-81.592215	Rhinestreet Sh	261	4703900513
38.530781	-81.468308	Rhinestreet Sh	261	4703903917
38.62471	-81.718308	Rhinestreet Sh	261	4707900159
38.719818	-81.558986	Rhinestreet Sh	260	4703501583
38.48185	-81.53294	Rhinestreet Sh	260	4703900314
38.487808	-81.529669	Rhinestreet Sh	260	4703900327
38.48557	-81.527941	Rhinestreet Sh	260	4703900372
38.459265	-81.548606	Rhinestreet Sh	260	4703900409
38.485545	-81.538753	Rhinestreet Sh	260	4703900432
38.515088	-81.512803	Rhinestreet Sh	260	4703900537
38.544146	-81.544437	Rhinestreet Sh	260	4703900693
38.550822	-81.551641	Rhinestreet Sh	260	4703900741
38.556315	-81.615535	Rhinestreet Sh	260	4703900749
38.481476	-81.605001	Rhinestreet Sh	260	4703900761
38.573609	-81.515701	Rhinestreet Sh	260	4703900848
38.440046	-81.425702	Rhinestreet Sh	260	4703901484
38.515392	-81.772972	Rhinestreet Sh	260	4707900544
39.332463	-81.476254	Rhinestreet Sh	260	4710700169
39.223875	-81.498396	Rhinestreet Sh	260	4710701238
37.667694	-81.76953	Rhinestreet Sh	260	4710902006
37.677999	-81.923602	Rhinestreet Sh	26	4705901237
38.214296	-82.502389	Rhinestreet Sh	26	4709900059
38.210958	-82.512312	Rhinestreet Sh	26	4709900982
38.231132	-81.508086	Rhinestreet Sh	259	4703903978
39.344085	-81.472147	Rhinestreet Sh	259	4710700955
37.636913	-81.731148	Rhinestreet Sh	259	4710902340
38.497113	-81.541712	Rhinestreet Sh	258	4703900509

38.499129	-81.556418	Rhinestreet Sh	258	4703900629
38.340023	-81.507507	Rhinestreet Sh	258	4703903943
38.643309	-81.729876	Rhinestreet Sh	258	4707900249
38.631685	-81.72356	Rhinestreet Sh	258	4707900594
39.047339	-81.558407	Rhinestreet Sh	258	4710700288
38.267172	-81.520085	Rhinestreet Sh	257	4703903410
37.787838	-81.673175	Rhinestreet Sh	257	4704501085
37.620065	-81.840075	Rhinestreet Sh	257	4705901376
38.630817	-81.728687	Rhinestreet Sh	257	4707900698
39.118469	-81.384858	Rhinestreet Sh	257	4710500981
38.724891	-81.756476	Rhinestreet Sh	256	4703502269
38.522653	-81.565864	Rhinestreet Sh	256	4703900306
38.480865	-81.603302	Rhinestreet Sh	256	4703902331
38.098378	-81.472296	Rhinestreet Sh	256	4703903948
38.501147	-81.532075	Rhinestreet Sh	255	4703900396
38.498766	-81.584263	Rhinestreet Sh	255	4703900638
38.482874	-81.556049	Rhinestreet Sh	255	4703900822
38.399976	-81.434368	Rhinestreet Sh	255	4703901187
38.412949	-81.446777	Rhinestreet Sh	255	4703901230
38.412022	-81.4069	Rhinestreet Sh	255	4703901257
38.092053	-81.483649	Rhinestreet Sh	255	4703903991
38.64781	-81.721383	Rhinestreet Sh	255	4707900228
38.557376	-81.77006	Rhinestreet Sh	255	4707900403
38.538328	-81.792036	Rhinestreet Sh	255	4707900488
38.701076	-81.471656	Rhinestreet Sh	255	4708703670
38.411297	-81.415198	Rhinestreet Sh	254	4703901296
37.701512	-81.833881	Rhinestreet Sh	254	4704501370
38.2902	-81.545519	Rhinestreet Sh	253	4703903638
38.634373	-81.70552	Rhinestreet Sh	253	4707900227
39.357148	-81.48428	Rhinestreet Sh	253	4710700950
37.621952	-81.764942	Rhinestreet Sh	253	4710901307
37.685256	-81.958516	Rhinestreet Sh	252	4704500368
37.585232	-81.853741	Rhinestreet Sh	252	4705901224
38.625448	-81.737238	Rhinestreet Sh	252	4707900127
38.54767	-81.517982	Rhinestreet Sh	251	4703900420
38.559943	-81.572619	Rhinestreet Sh	251	4703900587
38.56911	-81.590168	Rhinestreet Sh	251	4703900635
38.507322	-81.888903	Rhinestreet Sh	251	4707900755
37.645476	-81.737172	Rhinestreet Sh	251	4710901429
37.852939	-81.750731	Rhinestreet Sh	250	4700501954
38.484035	-81.51051	Rhinestreet Sh	250	4703900390
38.552768	-81.601149	Rhinestreet Sh	250	4703900459
38.54342	-81.655662	Rhinestreet Sh	250	4703900559
38.546323	-81.55903	Rhinestreet Sh	250	4703900593
38.504076	-81.623416	Rhinestreet Sh	250	4703900596
38.506253	-81.556259	Rhinestreet Sh	250	4703900639
38.507398	-81.574715	Rhinestreet Sh	250	4703900651
38.499758	-81.600022	Rhinestreet Sh	250	4703900682
38.556047	-81.542036	Rhinestreet Sh	250	4703900724

38.487671	-81.589336	Rhinestreet Sh	250	4703900785
38.408829	-81.41151	Rhinestreet Sh	250	4703901578
37.629366	-81.810101	Rhinestreet Sh	250	4705901362
38.609417	-81.716727	Rhinestreet Sh	250	4707900142
39.326512	-81.476254	Rhinestreet Sh	250	4710700176
39.053435	-81.551897	Rhinestreet Sh	250	4710700302
39.062578	-81.554687	Rhinestreet Sh	250	4710700304
39.049951	-81.553385	Rhinestreet Sh	250	4710700309
39.071867	-81.545573	Rhinestreet Sh	250	4710700321
39.065626	-81.551711	Rhinestreet Sh	250	4710700322
39.077237	-81.546131	Rhinestreet Sh	250	4710700333
39.077818	-81.535714	Rhinestreet Sh	250	4710700336
39.07985	-81.53311	Rhinestreet Sh	250	4710700346
39.091908	-81.529203	Rhinestreet Sh	250	4710700349
39.144606	-81.543903	Rhinestreet Sh	250	4710701303
37.662748	-81.921777	Rhinestreet Sh	25	4705901240
38.162963	-82.499097	Rhinestreet Sh	25	4709901117
38.264526	-82.485209	Rhinestreet Sh	25	4709901168
38.616582	-81.726066	Rhinestreet Sh	249	4707900120
38.547738	-81.612632	Rhinestreet Sh	248	4703900542
38.428725	-81.445248	Rhinestreet Sh	248	4703901499
38.416522	-81.405056	Rhinestreet Sh	248	4703901580
38.535399	-81.534479	Rhinestreet Sh	247	4703900644
38.493718	-81.632387	Rhinestreet Sh	246	4703900685
38.357904	-81.540092	Rhinestreet Sh	246	4703901745
38.350472	-81.559522	Rhinestreet Sh	246	4703903597
37.847427	-82.036875	Rhinestreet Sh	246	4704500173
38.56662	-81.75644	Rhinestreet Sh	246	4707900377
39.052999	-81.57645	Rhinestreet Sh	246	4710700279
38.100036	-81.529352	Rhinestreet Sh	245	4700501472
38.280083	-81.508101	Rhinestreet Sh	245	4703900199
38.51731	-81.583932	Rhinestreet Sh	245	4703900535
38.565377	-81.588105	Rhinestreet Sh	245	4703900553
38.542549	-81.646242	Rhinestreet Sh	245	4703900558
38.547049	-81.500924	Rhinestreet Sh	245	4703900738
38.565715	-81.543186	Rhinestreet Sh	245	4703900831
38.59873	-81.533064	Rhinestreet Sh	245	4703900875
38.227344	-81.668949	Rhinestreet Sh	245	4703901159
38.413727	-81.491912	Rhinestreet Sh	245	4703901282
38.399771	-81.484641	Rhinestreet Sh	245	4703901298
38.493127	-81.585132	Rhinestreet Sh	245	4703902474
38.274001	-81.536834	Rhinestreet Sh	245	4703902718
38.613145	-81.741236	Rhinestreet Sh	245	4707900204
38.559941	-81.778244	Rhinestreet Sh	245	4707900394
38.6457	-81.754448	Rhinestreet Sh	245	4707900688
39.136702	-81.399288	Rhinestreet Sh	245	4710501011
38.47402	-81.519915	Rhinestreet Sh	244	4703902808
37.634736	-81.863449	Rhinestreet Sh	244	4705901352
38.668742	-81.747896	Rhinestreet Sh	244	4707900241

38.550925	-81.79691	Rhinestreet Sh	244	4707900459
38.47831	-81.86933	Rhinestreet Sh	244	4707900572
39.125955	-81.406814	Rhinestreet Sh	244	4710501013
38.551284	-81.578108	Rhinestreet Sh	243	4703900549
38.471553	-81.617815	Rhinestreet Sh	243	4703900562
38.759474	-81.589016	Rhinestreet Sh	242	4703501497
38.888678	-81.56209	Rhinestreet Sh	242	4703501647
38.331156	-81.549582	Rhinestreet Sh	242	4703903779
38.070952	-82.093277	Rhinestreet Sh	242	4704300859
37.708781	-81.828171	Rhinestreet Sh	242	4704501571
37.42887	-81.902832	Rhinestreet Sh	242	4704701298
38.602188	-81.741084	Rhinestreet Sh	242	4707900162
37.609615	-81.763848	Rhinestreet Sh	242	4710901815
38.063548	-81.653331	Rhinestreet Sh	241	4700500479
38.200986	-81.638581	Rhinestreet Sh	241	4703901401
37.591183	-81.854835	Rhinestreet Sh	241	4705901375
38.622299	-81.631433	Rhinestreet Sh	240	4703501423
38.887151	-81.579989	Rhinestreet Sh	240	4703501783
38.52194	-81.590059	Rhinestreet Sh	240	4703900331
38.532958	-81.590537	Rhinestreet Sh	240	4703900339
38.525569	-81.580146	Rhinestreet Sh	240	4703900379
38.504811	-81.585646	Rhinestreet Sh	240	4703900548
38.576512	-81.572144	Rhinestreet Sh	240	4703900722
38.495065	-81.615418	Rhinestreet Sh	240	4703900778
38.547431	-81.50851	Rhinestreet Sh	240	4703900804
38.430322	-81.380901	Rhinestreet Sh	240	4703901327
38.165506	-81.901462	Rhinestreet Sh	240	4704300168
37.679596	-81.908401	Rhinestreet Sh	240	4704501287
38.654765	-81.755921	Rhinestreet Sh	240	4707900684
38.701201	-81.500637	Rhinestreet Sh	240	4708703541
38.288177	-82.511784	Rhinestreet Sh	24	4709901537
38.497388	-81.621503	Rhinestreet Sh	239	4703900572
38.525322	-81.787356	Rhinestreet Sh	239	4707900221
38.467752	-81.791564	Rhinestreet Sh	239	4707900577
39.062438	-81.420377	Rhinestreet Sh	239	4710501003
38.500096	-81.59261	Rhinestreet Sh	238	4703900742
38.548441	-81.785148	Rhinestreet Sh	238	4707900441
38.5253	-81.614533	Rhinestreet Sh	237	4703900488
38.506326	-81.603093	Rhinestreet Sh	237	4703900579
38.561752	-81.672958	Rhinestreet Sh	237	4703900670
38.511623	-81.493059	Rhinestreet Sh	237	4703901498
38.013286	-81.97725	Rhinestreet Sh	237	4704500223
37.704995	-81.891792	Rhinestreet Sh	237	4704501318
38.50049	-81.793038	Rhinestreet Sh	237	4707900547
38.479192	-81.789147	Rhinestreet Sh	237	4707900591
38.46865	-81.778028	Rhinestreet Sh	237	4707901120
38.031987	-81.544549	Rhinestreet Sh	236	4700501397
38.550387	-81.572144	Rhinestreet Sh	236	4703900497
38.292107	-81.645116	Rhinestreet Sh	236	4703901692

38.557063	-81.294807	Rhinestreet Sh	236	4708704402
38.393009	-81.547936	Rhinestreet Sh	235	4703900305
38.526248	-81.591892	Rhinestreet Sh	235	4703900316
38.513685	-81.560363	Rhinestreet Sh	235	4703900378
38.534724	-81.61846	Rhinestreet Sh	235	4703900450
38.540215	-81.648274	Rhinestreet Sh	235	4703900514
38.541592	-81.58869	Rhinestreet Sh	235	4703900574
38.547901	-81.590342	Rhinestreet Sh	235	4703900578
38.529682	-81.664997	Rhinestreet Sh	235	4703900696
38.556976	-81.59146	Rhinestreet Sh	235	4703900725
38.484949	-81.618548	Rhinestreet Sh	235	4703900745
38.387058	-81.421092	Rhinestreet Sh	235	4703901250
37.665651	-81.926523	Rhinestreet Sh	235	4705901236
38.78085	-81.620136	Rhinestreet Sh	234	4703501534
37.615276	-81.828292	Rhinestreet Sh	234	4705901262
38.568257	-81.772254	Rhinestreet Sh	234	4707900380
38.552167	-81.78076	Rhinestreet Sh	234	4707900410
38.220866	-81.661994	Rhinestreet Sh	233	4700500357
38.397363	-81.546461	Rhinestreet Sh	233	4703900216
38.568239	-81.572144	Rhinestreet Sh	233	4703900681
38.217053	-81.939453	Rhinestreet Sh	233	4704301469
38.638242	-81.744521	Rhinestreet Sh	233	4707900692
39.088233	-81.316166	Rhinestreet Sh	233	4710500296
38.560331	-81.60183	Rhinestreet Sh	232	4703900630
38.412167	-81.675886	Rhinestreet Sh	232	4703901530
38.570561	-81.288051	Rhinestreet Sh	232	4708704403
37.858454	-81.699941	Rhinestreet Sh	231	4700501615
38.260602	-81.591421	Rhinestreet Sh	231	4703902041
38.541146	-81.517103	Rhinestreet Sh	231	4703903616
38.510752	-81.780478	Rhinestreet Sh	231	4707900533
38.801672	-81.603037	Rhinestreet Sh	230	4703501535
38.286047	-81.557406	Rhinestreet Sh	230	4703900169
38.555451	-81.607423	Rhinestreet Sh	230	4703900540
38.56969	-81.579902	Rhinestreet Sh	230	4703900585
38.522657	-81.606766	Rhinestreet Sh	230	4703900589
38.580622	-81.657898	Rhinestreet Sh	230	4703900613
38.433224	-81.463865	Rhinestreet Sh	230	4703901392
38.52396	-81.534357	Rhinestreet Sh	230	4703903791
37.356132	-81.186281	Rhinestreet Sh	230	4705500014
37.573754	-81.859937	Rhinestreet Sh	230	4705901415
38.603871	-81.770013	Rhinestreet Sh	230	4707900324
39.077963	-81.454426	Rhinestreet Sh	230	4710500867
39.03949	-81.585751	Rhinestreet Sh	230	4710700247
38.258575	-82.289945	Rhinestreet Sh	23	4701100298
38.230487	-82.553703	Rhinestreet Sh	23	4709900393
38.266715	-82.482566	Rhinestreet Sh	23	4709901017
38.52396	-81.534357	Rhinestreet Sh	229	4703903791
37.622823	-81.818999	Rhinestreet Sh	229	4705900856
38.492784	-81.79282	Rhinestreet Sh	229	4707900557

38.458723	-81.770059	Rhinestreet Sh	229	4707900583
38.465675	-81.898291	Rhinestreet Sh	229	4707900658
38.477305	-81.742109	Rhinestreet Sh	229	4707900743
37.590022	-81.806426	Rhinestreet Sh	229	4710901824
38.063014	-81.527884	Rhinestreet Sh	228	4700501528
38.875753	-81.592204	Rhinestreet Sh	228	4703501782
38.516122	-81.493613	Rhinestreet Sh	228	4703901497
38.488679	-81.565453	Rhinestreet Sh	228	4703902445
38.06494	-82.090031	Rhinestreet Sh	228	4704300860
37.798743	-81.943073	Rhinestreet Sh	228	4704500511
38.536732	-81.593123	Rhinestreet Sh	227	4703900473
38.413909	-81.667035	Rhinestreet Sh	227	4703901255
38.256398	-81.605791	Rhinestreet Sh	227	4703902030
38.314175	-81.459254	Rhinestreet Sh	227	4703903762
37.432789	-81.890099	Rhinestreet Sh	227	4704701413
37.422919	-81.897557	Rhinestreet Sh	227	4704701457
37.677128	-81.938569	Rhinestreet Sh	227	4705901232
38.655038	-81.741795	Rhinestreet Sh	227	4707900217
38.891703	-81.567662	Rhinestreet Sh	226	4703501646
38.547474	-81.632684	Rhinestreet Sh	226	4703900526
38.536151	-81.585735	Rhinestreet Sh	226	4703900557
37.746952	-81.931086	Rhinestreet Sh	226	4704501417
38.693819	-81.827748	Rhinestreet Sh	226	4705300190
38.538183	-81.781955	Rhinestreet Sh	226	4707900469
38.516412	-81.534172	Rhinestreet Sh	225	4703900351
38.501753	-81.536943	Rhinestreet Sh	225	4703900395
38.524603	-81.638938	Rhinestreet Sh	225	4703900428
38.508023	-81.622275	Rhinestreet Sh	225	4703900580
38.497678	-81.677915	Rhinestreet Sh	225	4703900832
38.447727	-81.553435	Rhinestreet Sh	225	4703902420
38.263694	-81.484182	Rhinestreet Sh	225	4703902541
37.631253	-81.738997	Rhinestreet Sh	225	4710902322
38.510317	-81.524751	Rhinestreet Sh	224	4703900302
38.515542	-81.627586	Rhinestreet Sh	224	4703900487
37.564175	-81.860119	Rhinestreet Sh	224	4705901416
38.549851	-81.776613	Rhinestreet Sh	224	4707900431
38.536723	-81.609313	Rhinestreet Sh	223	4703900448
38.451657	-81.655609	Rhinestreet Sh	223	4703900926
38.663619	-81.732388	Rhinestreet Sh	223	4707900242
38.463429	-81.789138	Rhinestreet Sh	223	4707900585
38.069545	-81.631421	Rhinestreet Sh	222	4700501526
38.502384	-81.614364	Rhinestreet Sh	222	4703900617
38.545888	-81.603282	Rhinestreet Sh	222	4703900712
38.221988	-81.620269	Rhinestreet Sh	222	4703902038
37.474601	-81.859165	Rhinestreet Sh	222	4704701450
37.655781	-81.940394	Rhinestreet Sh	222	4705901281
38.607003	-81.752401	Rhinestreet Sh	222	4707900208
38.49576	-81.783075	Rhinestreet Sh	222	4707900556
38.471205	-81.805687	Rhinestreet Sh	222	4707900619

38.437616	-81.901047	Rhinestreet Sh	222	4707900679
38.305757	-81.851741	Rhinestreet Sh	221	4704301013
38.680869	-81.8404	Rhinestreet Sh	221	4705300181
38.629972	-81.755372	Rhinestreet Sh	221	4707900224
38.593215	-81.780662	Rhinestreet Sh	221	4707900374
38.540257	-81.886634	Rhinestreet Sh	221	4707900917
37.966473	-81.465109	Rhinestreet Sh	221	4708100597
38.153314	-81.333701	Rhinestreet Sh	220	4701900504
38.520476	-81.568635	Rhinestreet Sh	220	4703900236
38.534804	-81.63029	Rhinestreet Sh	220	4703900472
38.304306	-81.506995	Rhinestreet Sh	220	4703900477
38.532938	-81.623658	Rhinestreet Sh	220	4703900496
38.551115	-81.658367	Rhinestreet Sh	220	4703900623
38.498113	-81.640489	Rhinestreet Sh	220	4703900655
38.542404	-81.50942	Rhinestreet Sh	220	4703900705
38.488361	-81.620081	Rhinestreet Sh	220	4703900730
38.429596	-81.456496	Rhinestreet Sh	220	4703901380
38.395331	-81.453545	Rhinestreet Sh	220	4703901548
38.411297	-81.427177	Rhinestreet Sh	220	4703901615
38.180525	-81.608433	Rhinestreet Sh	220	4703901660
38.600617	-81.541006	Rhinestreet Sh	220	4703903766
38.363969	-81.303079	Rhinestreet Sh	220	4703905307
37.707608	-81.940577	Rhinestreet Sh	220	4704501338
38.740711	-81.826083	Rhinestreet Sh	220	4705300199
38.51946	-81.779554	Rhinestreet Sh	220	4707900207
39.132559	-81.633758	Rhinestreet Sh	220	4710700228
38.599456	-81.533618	Rhinestreet Sh	22	4703903774
38.304886	-82.480607	Rhinestreet Sh	22	4709900901
38.46233	-81.555988	Rhinestreet Sh	219	4703902340
38.473211	-81.557537	Rhinestreet Sh	219	4703902408
38.480343	-81.560517	Rhinestreet Sh	219	4703902410
38.531216	-81.78501	Rhinestreet Sh	219	4707900489
38.608611	-81.823422	Rhinestreet Sh	219	4707900538
39.085667	-81.45331	Rhinestreet Sh	219	4710500752
38.46394	-81.500463	Rhinestreet Sh	218	4703901314
38.496178	-81.954053	Rhinestreet Sh	218	4707900721
38.584831	-81.566636	Rhinestreet Sh	217	4703501638
38.242929	-81.778623	Rhinestreet Sh	217	4703901218
38.09844	-81.511557	Rhinestreet Sh	217	4703901657
38.254366	-81.621621	Rhinestreet Sh	217	4703901997
38.265334	-81.625686	Rhinestreet Sh	217	4703902049
38.511913	-81.552565	Rhinestreet Sh	217	4703902453
37.629221	-82.212531	Rhinestreet Sh	217	4705901361
38.654276	-81.768881	Rhinestreet Sh	217	4707900458
38.561853	-81.64772	Rhinestreet Sh	216	4703900563
38.452961	-81.569015	Rhinestreet Sh	216	4703902277
38.475326	-81.571907	Rhinestreet Sh	216	4703902430
38.155516	-81.977797	Rhinestreet Sh	216	4704300927
37.538909	-81.833212	Rhinestreet Sh	216	4710901961

38.533551	-81.632533	Rhinestreet Sh	215	4703900410
38.507075	-81.615422	Rhinestreet Sh	215	4703900490
38.535135	-81.651414	Rhinestreet Sh	215	4703900541
38.494707	-81.500852	Rhinestreet Sh	215	4703901235
38.243033	-81.626103	Rhinestreet Sh	215	4703902044
38.223097	-81.630792	Rhinestreet Sh	214	4703902042
38.452422	-81.575878	Rhinestreet Sh	214	4703902260
38.586683	-81.757389	Rhinestreet Sh	214	4707900347
38.506119	-81.941114	Rhinestreet Sh	214	4707900479
38.961737	-81.592259	Rhinestreet Sh	213	4703501203
38.964876	-81.680778	Rhinestreet Sh	213	4703501388
38.505527	-81.564756	Rhinestreet Sh	213	4703900650
38.48476	-81.557893	Rhinestreet Sh	213	4703902322
38.534285	-81.926721	Rhinestreet Sh	213	4707900603
38.254463	-81.647744	Rhinestreet Sh	212	4703902078
37.607438	-82.129009	Rhinestreet Sh	212	4705901294
38.638249	-81.774181	Rhinestreet Sh	212	4707900455
38.839015	-81.734799	Rhinestreet Sh	211	4703501200
38.713006	-81.655214	Rhinestreet Sh	211	4703501569
38.273819	-81.616646	Rhinestreet Sh	211	4703901069
38.27199	-81.635363	Rhinestreet Sh	211	4703901113
38.451332	-81.583383	Rhinestreet Sh	211	4703902295
38.695126	-81.856092	Rhinestreet Sh	211	4705300247
38.512349	-81.800902	Rhinestreet Sh	211	4707900614
38.729681	-81.572382	Rhinestreet Sh	210	4703501366
38.523385	-81.630848	Rhinestreet Sh	210	4703900408
38.489399	-81.665749	Rhinestreet Sh	210	4703900422
38.541355	-81.667254	Rhinestreet Sh	210	4703900523
38.504656	-81.648089	Rhinestreet Sh	210	4703900532
38.210087	-81.881064	Rhinestreet Sh	210	4704302807
37.603374	-81.829385	Rhinestreet Sh	210	4705901199
37.617453	-82.10775	Rhinestreet Sh	210	4705901288
38.55087	-81.973252	Rhinestreet Sh	210	4707900400
38.529185	-81.792406	Rhinestreet Sh	210	4707900531
39.049661	-81.584077	Rhinestreet Sh	210	4710700271
39.247373	-81.631128	Rhinestreet Sh	210	4710700493
38.875593	-81.732257	Rhinestreet Sh	209	4703501197
38.26869	-81.648695	Rhinestreet Sh	209	4703902099
38.447602	-81.597411	Rhinestreet Sh	209	4703902385
38.48481	-81.585493	Rhinestreet Sh	209	4703902487
38.263005	-81.97418	Rhinestreet Sh	209	4704300316
37.697593	-81.926705	Rhinestreet Sh	209	4704501118
38.637472	-81.71618	Rhinestreet Sh	209	4707900123
38.718069	-81.657566	Rhinestreet Sh	208	4703501607
38.871372	-81.650579	Rhinestreet Sh	208	4703501943
38.402588	-81.546092	Rhinestreet Sh	208	4703900155
38.381833	-81.548489	Rhinestreet Sh	208	4703900365
38.103374	-82.081658	Rhinestreet Sh	208	4704303097
38.532298	-81.868455	Rhinestreet Sh	208	4707900765

38.717053	-81.664227	Rhinestreet Sh	207	4703501606
38.90404	-81.631313	Rhinestreet Sh	207	4703501956
38.209361	-81.893192	Rhinestreet Sh	207	4704302804
38.731132	-81.666633	Rhinestreet Sh	206	4703501620
38.258575	-81.63494	Rhinestreet Sh	206	4703901018
38.255092	-81.668692	Rhinestreet Sh	206	4703901760
38.500447	-81.597187	Rhinestreet Sh	206	4703902394
38.276137	-81.851189	Rhinestreet Sh	206	4704302766
37.689901	-81.889602	Rhinestreet Sh	206	4704501232
38.524308	-81.933573	Rhinestreet Sh	206	4707900463
38.696536	-81.667786	Rhinestreet Sh	205	4703501559
38.762349	-81.665593	Rhinestreet Sh	205	4703501683
38.514293	-81.541082	Rhinestreet Sh	205	4703900334
38.526427	-81.6711	Rhinestreet Sh	205	4703900491
38.55447	-81.634689	Rhinestreet Sh	205	4703900519
38.55302	-81.527903	Rhinestreet Sh	205	4703900663
38.508575	-81.598295	Rhinestreet Sh	205	4703902375
38.265251	-81.662552	Rhinestreet Sh	205	4703903689
37.418275	-81.90829	Rhinestreet Sh	205	4704701449
38.549106	-81.765077	Rhinestreet Sh	205	4707900417
38.45757	-81.799609	Rhinestreet Sh	205	4707900581
38.456593	-81.863321	Rhinestreet Sh	205	4707900651
38.690577	-81.668446	Rhinestreet Sh	204	4703501617
38.743077	-81.663034	Rhinestreet Sh	204	4703501665
37.599746	-82.131742	Rhinestreet Sh	204	4705900356
38.451556	-81.863197	Rhinestreet Sh	204	4707900574
38.541861	-81.786941	Rhinestreet Sh	203	4707900487
38.459053	-81.792045	Rhinestreet Sh	203	4707900587
38.907958	-81.696376	Rhinestreet Sh	202	4703501455
38.698833	-81.674993	Rhinestreet Sh	202	4703501529
38.741001	-81.68258	Rhinestreet Sh	202	4703501642
38.973585	-81.619541	Rhinestreet Sh	202	4703502264
38.47402	-81.639751	Rhinestreet Sh	202	4703900308
38.548996	-81.539415	Rhinestreet Sh	202	4703900710
38.238814	-81.679835	Rhinestreet Sh	202	4703902343
38.506978	-81.615104	Rhinestreet Sh	202	4703902357
38.488534	-81.621687	Rhinestreet Sh	202	4703902425
38.497963	-81.619294	Rhinestreet Sh	202	4703902447
37.828544	-82.020111	Rhinestreet Sh	202	4704500219
37.862373	-82.079695	Rhinestreet Sh	202	4704501210
37.580866	-81.803146	Rhinestreet Sh	202	4710901783
38.886642	-81.751911	Rhinestreet Sh	201	4703501244
38.514769	-81.608678	Rhinestreet Sh	201	4703902347
38.58349	-81.778261	Rhinestreet Sh	201	4707900375
38.452963	-81.783006	Rhinestreet Sh	201	4707900573
38.10381	-81.909488	Rhinestreet Sh	200	4700500463
37.980551	-81.73672	Rhinestreet Sh	200	4700500878
38.20147	-81.679514	Rhinestreet Sh	200	4700501360
38.01351	-81.915909	Rhinestreet Sh	200	4700501831

38.058369	-81.899766	Rhinestreet Sh	200	4700501915
38.702963	-81.678879	Rhinestreet Sh	200	4703501592
38.746226	-81.673698	Rhinestreet Sh	200	4703501664
38.769606	-81.672598	Rhinestreet Sh	200	4703501732
38.514671	-81.635713	Rhinestreet Sh	200	4703900412
38.513365	-81.568265	Rhinestreet Sh	200	4703900434
38.558079	-81.639592	Rhinestreet Sh	200	4703900560
38.533269	-81.644973	Rhinestreet Sh	200	4703900591
38.527298	-81.574176	Rhinestreet Sh	200	4703900657
38.545865	-81.510222	Rhinestreet Sh	200	4703900815
38.520041	-81.600512	Rhinestreet Sh	200	4703902369
37.965921	-82.016562	Rhinestreet Sh	200	4704500557
37.646347	-81.868925	Rhinestreet Sh	200	4705901200
38.468624	-81.830297	Rhinestreet Sh	200	4707900589
38.503334	-81.947817	Rhinestreet Sh	200	4707900662
39.172339	-81.625186	Rhinestreet Sh	200	4710701180
39.201947	-81.623955	Rhinestreet Sh	200	4710701227
37.669872	-81.883944	Rhinestreet Sh	20	4704501320
37.656072	-81.929808	Rhinestreet Sh	20	4705901234
37.664199	-81.931816	Rhinestreet Sh	20	4705901242
38.27131	-82.537697	Rhinestreet Sh	20	4709900277
38.406507	-82.593475	Rhinestreet Sh	20	4709970001
38.780491	-81.671486	Rhinestreet Sh	199	4703501618
38.736436	-81.688005	Rhinestreet Sh	199	4703501650
38.728955	-81.689981	Rhinestreet Sh	199	4703501669
38.778024	-81.67334	Rhinestreet Sh	199	4703501731
38.80358	-81.767609	Rhinestreet Sh	199	4703502345
38.264567	-81.681584	Rhinestreet Sh	199	4703902092
37.700351	-81.844285	Rhinestreet Sh	199	4704501373
38.487809	-81.936572	Rhinestreet Sh	199	4707900709
38.215892	-81.685778	Rhinestreet Sh	198	4700500462
38.845682	-81.744663	Rhinestreet Sh	198	4703501226
38.584942	-81.661943	Rhinestreet Sh	198	4703900739
38.238679	-81.694966	Rhinestreet Sh	198	4703902274
38.071022	-82.111061	Rhinestreet Sh	198	4704300876
37.72939	-81.964357	Rhinestreet Sh	198	4704500457
37.847133	-82.073113	Rhinestreet Sh	198	4704501279
38.716763	-81.859793	Rhinestreet Sh	198	4705300200
38.100036	-81.539258	Rhinestreet Sh	197	4700501471
38.460811	-81.650753	Rhinestreet Sh	197	4703902210
38.476923	-81.640489	Rhinestreet Sh	197	4703902330
38.475181	-81.744474	Rhinestreet Sh	197	4707900741
38.216889	-81.700751	Rhinestreet Sh	196	4700501361
38.735051	-81.693682	Rhinestreet Sh	196	4703501643
38.456156	-81.541851	Rhinestreet Sh	196	4703900229
38.542496	-81.599218	Rhinestreet Sh	196	4703900511
38.55727	-81.834364	Rhinestreet Sh	196	4707900465
39.159555	-81.736284	Rhinestreet Sh	196	4710701412
38.108823	-81.77846	Rhinestreet Sh	195	4700500685

38.046535	-81.666307	Rhinestreet Sh	195	4700501363
38.139829	-81.727945	Rhinestreet Sh	195	4700501419
38.171758	-81.698274	Rhinestreet Sh	195	4700501442
38.476449	-81.615481	Rhinestreet Sh	195	4703900329
38.519024	-81.626328	Rhinestreet Sh	195	4703900504
38.49015	-81.64487	Rhinestreet Sh	195	4703900605
38.488458	-81.578782	Rhinestreet Sh	195	4703900711
38.525121	-81.69696	Rhinestreet Sh	195	4703900734
38.496907	-81.63103	Rhinestreet Sh	195	4703900744
38.42887	-81.518255	Rhinestreet Sh	195	4703901519
37.76351	-81.950307	Rhinestreet Sh	195	4704501330
38.602635	-81.763177	Rhinestreet Sh	195	4707900803
38.843994	-81.791306	Rhinestreet Sh	194	4703501410
38.793152	-81.617328	Rhinestreet Sh	194	4703501538
38.411877	-81.471978	Rhinestreet Sh	194	4703901260
38.267274	-81.697395	Rhinestreet Sh	194	4703902112
37.707753	-82.012229	Rhinestreet Sh	194	4704501640
38.713715	-81.839254	Rhinestreet Sh	194	4705300223
38.660518	-81.745613	Rhinestreet Sh	194	4707900272
38.256108	-81.703298	Rhinestreet Sh	193	4703902073
38.249565	-81.698274	Rhinestreet Sh	193	4703902275
37.857368	-82.05829	Rhinestreet Sh	193	4704500164
38.919157	-81.77523	Rhinestreet Sh	192	4703501412
38.730697	-81.700343	Rhinestreet Sh	192	4703501640
38.756108	-81.695397	Rhinestreet Sh	192	4703501751
38.78441	-81.680754	Rhinestreet Sh	192	4703501758
38.470247	-81.650815	Rhinestreet Sh	192	4703902212
38.490421	-81.659482	Rhinestreet Sh	192	4703902221
38.338799	-81.564259	Rhinestreet Sh	192	4703902764
37.661587	-81.905481	Rhinestreet Sh	192	4705901241
38.562448	-81.781838	Rhinestreet Sh	192	4707900452
39.203675	-81.620474	Rhinestreet Sh	192	4710700598
38.191352	-81.678244	Rhinestreet Sh	191	4700500884
38.85551	-81.785612	Rhinestreet Sh	191	4703501382
38.682499	-81.710184	Rhinestreet Sh	191	4703501645
37.787838	-81.673175	Rhinestreet Sh	191	4704501085
38.473373	-81.754794	Rhinestreet Sh	191	4707900735
39.182934	-81.715041	Rhinestreet Sh	191	4710701267
38.823063	-81.676833	Rhinestreet Sh	190	4703501517
38.778604	-81.691504	Rhinestreet Sh	190	4703501616
38.735486	-81.701823	Rhinestreet Sh	190	4703501644
38.738099	-81.697752	Rhinestreet Sh	190	4703501673
38.770825	-81.694025	Rhinestreet Sh	190	4703501712
38.443315	-81.550951	Rhinestreet Sh	190	4703900116
38.471262	-81.573751	Rhinestreet Sh	190	4703900319
38.527733	-81.629064	Rhinestreet Sh	190	4703900467
38.539377	-81.614405	Rhinestreet Sh	190	4703900573
38.56122	-81.681312	Rhinestreet Sh	190	4703900702
38.575246	-81.668753	Rhinestreet Sh	190	4703900764

38.532512	-81.693371	Rhinestreet Sh	190	4703900796
38.515013	-81.708238	Rhinestreet Sh	190	4703901017
38.26351	-81.714224	Rhinestreet Sh	190	4703902074
38.498984	-81.65229	Rhinestreet Sh	190	4703902263
38.352794	-81.818726	Rhinestreet Sh	190	4703904714
38.565917	-81.910834	Rhinestreet Sh	190	4707900518
38.552709	-81.965814	Rhinestreet Sh	190	4707900552
38.512053	-81.95852	Rhinestreet Sh	190	4707900669
39.172142	-81.609668	Rhinestreet Sh	190	4710700495
38.515542	-81.645134	Rhinestreet Sh	189	4703902314
37.780201	-81.731552	Rhinestreet Sh	189	4704501364
38.574612	-81.950613	Rhinestreet Sh	189	4707900461
39.120065	-81.676339	Rhinestreet Sh	189	4710701631
38.686853	-81.710554	Rhinestreet Sh	188	4703501639
38.748237	-81.689807	Rhinestreet Sh	188	4703501743
38.482148	-81.583518	Rhinestreet Sh	188	4703900792
38.514577	-81.935213	Rhinestreet Sh	188	4707900450
38.527043	-81.755935	Rhinestreet Sh	188	4707900805
39.102932	-81.706942	Rhinestreet Sh	188	4710700421
38.966763	-81.691548	Rhinestreet Sh	187	4703501506
38.762639	-81.727796	Rhinestreet Sh	187	4703501530
38.690626	-81.715365	Rhinestreet Sh	187	4703501666
38.744049	-81.706264	Rhinestreet Sh	187	4703501703
37.96889	-82.140583	Rhinestreet Sh	187	4704500573
38.45849	-81.900999	Rhinestreet Sh	187	4707900568
38.510204	-81.949715	Rhinestreet Sh	187	4707900654
38.51017	-81.75967	Rhinestreet Sh	187	4707900702
38.632368	-81.903955	Rhinestreet Sh	187	4707900850
39.178144	-81.751118	Rhinestreet Sh	187	4710701411
38.054479	-81.677387	Rhinestreet Sh	186	4700501364
38.762539	-81.713958	Rhinestreet Sh	186	4703501063
38.256688	-81.725637	Rhinestreet Sh	186	4703902083
38.467344	-81.672286	Rhinestreet Sh	186	4703903824
37.41784	-81.902105	Rhinestreet Sh	186	4704701458
38.548562	-81.945601	Rhinestreet Sh	186	4707900704
39.014816	-81.747209	Rhinestreet Sh	185	4703501611
38.532445	-81.558276	Rhinestreet Sh	185	4703900345
38.562256	-81.598126	Rhinestreet Sh	185	4703900569
38.534764	-81.679612	Rhinestreet Sh	185	4703900622
38.570271	-81.544253	Rhinestreet Sh	185	4703900773
38.530201	-81.706565	Rhinestreet Sh	185	4703900803
38.573609	-81.521057	Rhinestreet Sh	185	4703900847
38.46894	-81.494474	Rhinestreet Sh	185	4703901342
38.553082	-81.982426	Rhinestreet Sh	185	4707900413
38.477262	-81.941403	Rhinestreet Sh	185	4707900846
39.219521	-81.647174	Rhinestreet Sh	185	4710701182
38.681918	-81.725541	Rhinestreet Sh	184	4703501700
37.761333	-82.044409	Rhinestreet Sh	184	4704501120
37.776427	-81.898585	Rhinestreet Sh	184	4704501585

38.517901	-81.756979	Rhinestreet Sh	184	4707900806
38.20064	-81.670423	Rhinestreet Sh	183	4700500640
38.154475	-81.732957	Rhinestreet Sh	183	4700501421
38.751753	-81.716674	Rhinestreet Sh	183	4703501597
38.745246	-81.717493	Rhinestreet Sh	183	4703501610
38.731216	-81.719928	Rhinestreet Sh	183	4703501681
38.721408	-81.723876	Rhinestreet Sh	183	4703501996
37.817803	-82.048248	Rhinestreet Sh	183	4704501277
38.544744	-81.906686	Rhinestreet Sh	183	4707900674
38.556422	-81.904589	Rhinestreet Sh	183	4707900686
38.469521	-81.952439	Rhinestreet Sh	183	4707900720
38.716612	-81.728638	Rhinestreet Sh	182	4703501386
38.756253	-81.719084	Rhinestreet Sh	182	4703501595
38.50043	-81.647401	Rhinestreet Sh	182	4703900632
37.675097	-81.9011	Rhinestreet Sh	182	4704501204
37.877044	-82.065108	Rhinestreet Sh	182	4704501393
37.687578	-82.063022	Rhinestreet Sh	182	4705900550
38.45849	-81.876106	Rhinestreet Sh	182	4707900643
38.488776	-81.957965	Rhinestreet Sh	182	4707900715
38.877744	-81.81599	Rhinestreet Sh	181	4703501375
38.752772	-81.723202	Rhinestreet Sh	181	4703501602
38.730551	-81.697012	Rhinestreet Sh	181	4703501649
38.445649	-81.690629	Rhinestreet Sh	181	4703902227
37.698899	-82.00219	Rhinestreet Sh	181	4704501215
39.119481	-81.67259	Rhinestreet Sh	181	4710700594
38.144751	-81.86641	Rhinestreet Sh	180	4700501653
38.971844	-81.633754	Rhinestreet Sh	180	4703501212
38.752044	-81.727425	Rhinestreet Sh	180	4703501557
38.706301	-81.737199	Rhinestreet Sh	180	4703501995
38.507101	-81.551414	Rhinestreet Sh	180	4703900373
38.512826	-81.584459	Rhinestreet Sh	180	4703900381
38.539424	-81.683853	Rhinestreet Sh	180	4703900713
38.406051	-81.487452	Rhinestreet Sh	180	4703901273
38.413474	-81.466631	Rhinestreet Sh	180	4703901622
38.495065	-81.561028	Rhinestreet Sh	180	4703902458
38.456156	-81.674964	Rhinestreet Sh	180	4703903817
38.494194	-81.298489	Rhinestreet Sh	180	4703905685
38.094742	-82.134699	Rhinestreet Sh	180	4704300684
38.542145	-81.778044	Rhinestreet Sh	180	4707900454
38.474779	-81.873237	Rhinestreet Sh	180	4707900584
39.145041	-81.663758	Rhinestreet Sh	180	4710700819
38.101923	-81.60443	Rhinestreet Sh	18	4700501542
38.236647	-82.508086	Rhinestreet Sh	18	4709901512
38.71177	-81.663813	Rhinestreet Sh	179	4703501568
38.760462	-81.721308	Rhinestreet Sh	179	4703501594
38.616638	-81.758783	Rhinestreet Sh	179	4707900762
38.658276	-81.759696	Rhinestreet Sh	179	4707901040
38.748113	-81.723136	Rhinestreet Sh	178	4703501596
38.744204	-81.747381	Rhinestreet Sh	178	4703501612

38.480697	-81.533928	Rhinestreet Sh	178	4703900273
38.749558	-81.724501	Rhinestreet Sh	177	4703501118
38.804087	-81.730125	Rhinestreet Sh	177	4703501140
38.745065	-81.784566	Rhinestreet Sh	177	4703501156
38.97294	-81.667132	Rhinestreet Sh	177	4703501464
38.447303	-81.70373	Rhinestreet Sh	177	4703900940
38.412458	-81.422936	Rhinestreet Sh	177	4703901229
38.256688	-81.74294	Rhinestreet Sh	177	4703902110
38.452528	-81.694879	Rhinestreet Sh	177	4703902234
38.499582	-81.694521	Rhinestreet Sh	177	4703902266
37.672049	-81.889967	Rhinestreet Sh	177	4704501211
37.823319	-81.973874	Rhinestreet Sh	177	4704501282
37.89896	-82.075364	Rhinestreet Sh	177	4704501349
39.07956	-81.702194	Rhinestreet Sh	177	4710701206
38.698609	-81.74349	Rhinestreet Sh	176	4703501577
38.752334	-81.733542	Rhinestreet Sh	176	4703501599
38.522508	-81.573622	Rhinestreet Sh	176	4703900246
38.470682	-81.698014	Rhinestreet Sh	176	4703902179
38.5138	-81.853098	Rhinestreet Sh	176	4707900304
38.481374	-81.879432	Rhinestreet Sh	176	4707900580
38.63074	-81.657891	Rhinestreet Sh	175	4703501424
38.470101	-81.645836	Rhinestreet Sh	175	4703900324
38.449201	-81.583828	Rhinestreet Sh	175	4703900507
38.539696	-81.604979	Rhinestreet Sh	175	4703900586
38.191788	-81.851342	Rhinestreet Sh	175	4704302945
38.516871	-81.951791	Rhinestreet Sh	175	4707900667
39.16784	-81.26677	Rhinestreet Sh	175	4708505290
38.313885	-82.368676	Rhinestreet Sh	175	4709900706
39.077237	-81.69494	Rhinestreet Sh	175	4710701225
39.266412	-81.645534	Rhinestreet Sh	175	4710701277
39.23447	-81.662268	Rhinestreet Sh	175	4710701330
38.754837	-81.737326	Rhinestreet Sh	174	4703501546
39.031964	-81.638948	Rhinestreet Sh	174	4703501589
38.749074	-81.741949	Rhinestreet Sh	174	4703501613
38.512349	-81.593677	Rhinestreet Sh	174	4703900439
38.229987	-81.807592	Rhinestreet Sh	174	4703900673
38.534845	-81.67313	Rhinestreet Sh	174	4703900709
37.871807	-82.099605	Rhinestreet Sh	174	4704501127
38.695126	-81.834999	Rhinestreet Sh	174	4705300225
38.473197	-81.885955	Rhinestreet Sh	174	4707900665
39.230261	-81.652764	Rhinestreet Sh	174	4710701052
38.952787	-81.684551	Rhinestreet Sh	173	4703501499
38.530869	-81.67315	Rhinestreet Sh	173	4703900588
38.414204	-81.72084	Rhinestreet Sh	173	4703903803
38.517864	-81.924609	Rhinestreet Sh	173	4707900550
38.646798	-81.769815	Rhinestreet Sh	173	4707901044
38.783539	-81.666149	Rhinestreet Sh	172	4703501593
38.022279	-82.091817	Rhinestreet Sh	172	4704300966
37.831156	-82.090646	Rhinestreet Sh	172	4704501121

37.620936	-82.044035	Rhinestreet Sh	172	4705901384
37.565772	-82.029337	Rhinestreet Sh	172	4705901386
37.70849	-82.306451	Rhinestreet Sh	172	4705901545
38.653894	-81.730352	Rhinestreet Sh	172	4707900197
38.354535	-81.915313	Rhinestreet Sh	172	4707900293
38.641841	-81.775156	Rhinestreet Sh	172	4707901050
38.518154	-81.79887	Rhinestreet Sh	172	4707901068
38.908195	-81.720649	Rhinestreet Sh	171	4703500675
38.711535	-81.764125	Rhinestreet Sh	171	4703501017
38.911151	-81.644497	Rhinestreet Sh	171	4703501558
39.166824	-81.685859	Rhinestreet Sh	171	4710701245
38.742503	-81.760073	Rhinestreet Sh	170	4703501541
38.751569	-81.76299	Rhinestreet Sh	170	4703501549
38.784555	-81.675564	Rhinestreet Sh	170	4703501575
39.058092	-81.800227	Rhinestreet Sh	170	4703501576
38.476197	-81.716815	Rhinestreet Sh	170	4703902204
38.46386	-81.711468	Rhinestreet Sh	170	4703902223
38.728004	-81.805363	Rhinestreet Sh	170	4705300183
38.530761	-81.973743	Rhinestreet Sh	170	4707900627
38.480213	-81.959562	Rhinestreet Sh	170	4707900718
39.220682	-81.687537	Rhinestreet Sh	170	4710700366
39.095608	-81.714544	Rhinestreet Sh	170	4710700583
39.251511	-81.644451	Rhinestreet Sh	170	4710700762
39.241423	-81.65881	Rhinestreet Sh	170	4710700763
39.191352	-81.659659	Rhinestreet Sh	170	4710701184
39.091908	-81.707961	Rhinestreet Sh	170	4710701209
38.432063	-82.369843	Rhinestreet Sh	17	4701100325
37.637929	-81.717094	Rhinestreet Sh	17	4710901670
38.862228	-81.719841	Rhinestreet Sh	169	4703501218
38.604701	-81.690305	Rhinestreet Sh	169	4703900857
38.555122	-81.706684	Rhinestreet Sh	169	4703900920
38.429306	-81.729683	Rhinestreet Sh	169	4703903868
37.817387	-82.111587	Rhinestreet Sh	169	4704500191
37.934978	-81.992397	Rhinestreet Sh	169	4704501500
37.589296	-81.870505	Rhinestreet Sh	169	4705901188
38.614913	-81.795638	Rhinestreet Sh	169	4707900847
39.129221	-81.691636	Rhinestreet Sh	169	4710701230
38.266558	-82.251841	Rhinestreet Sh	168	4701100549
38.875	-81.717416	Rhinestreet Sh	168	4703501190
38.843002	-81.731364	Rhinestreet Sh	168	4703501193
38.83349	-81.7404	Rhinestreet Sh	168	4703501215
38.494747	-81.705342	Rhinestreet Sh	168	4703902258
38.451901	-81.725764	Rhinestreet Sh	168	4703902307
38.720682	-82.010732	Rhinestreet Sh	168	4705300004
38.714559	-81.813721	Rhinestreet Sh	168	4705300174
38.033703	-82.314817	Rhinestreet Sh	168	4709901742
38.789158	-81.753151	Rhinestreet Sh	167	4703501133
38.915262	-81.785157	Rhinestreet Sh	167	4703501407
38.944466	-81.692743	Rhinestreet Sh	167	4703501500

38.723585	-81.700158	Rhinestreet Sh	167	4703501702
38.218444	-81.970191	Rhinestreet Sh	167	4704300389
38.527248	-81.954564	Rhinestreet Sh	167	4707900672
38.476342	-81.951874	Rhinestreet Sh	167	4707900719
38.824971	-81.73543	Rhinestreet Sh	166	4703501183
38.942803	-81.681521	Rhinestreet Sh	166	4703501383
38.899395	-81.795566	Rhinestreet Sh	166	4703501434
38.95202	-81.700763	Rhinestreet Sh	166	4703501461
38.469207	-81.716024	Rhinestreet Sh	166	4703902160
38.049361	-82.039374	Rhinestreet Sh	166	4704300552
39.238969	-81.670952	Rhinestreet Sh	166	4710700759
39.147799	-81.699276	Rhinestreet Sh	166	4710701231
38.826367	-81.759639	Rhinestreet Sh	165	4703501123
38.80358	-81.748	Rhinestreet Sh	165	4703501134
38.827345	-81.749551	Rhinestreet Sh	165	4703501236
38.713634	-81.77915	Rhinestreet Sh	165	4703501330
38.513365	-81.603282	Rhinestreet Sh	165	4703900465
38.533287	-81.627559	Rhinestreet Sh	165	4703900466
38.512526	-81.601676	Rhinestreet Sh	165	4703900493
38.508285	-81.62814	Rhinestreet Sh	165	4703900595
38.554048	-81.533165	Rhinestreet Sh	165	4703900784
38.460989	-81.72859	Rhinestreet Sh	165	4703902111
38.167404	-81.892825	Rhinestreet Sh	165	4704300167
38.477894	-81.759175	Rhinestreet Sh	165	4707900033
38.571886	-81.970887	Rhinestreet Sh	165	4707900442
38.596537	-81.946744	Rhinestreet Sh	165	4707900445
38.612251	-81.800222	Rhinestreet Sh	165	4707900822
39.268299	-81.656734	Rhinestreet Sh	165	4710701053
39.139381	-81.694245	Rhinestreet Sh	165	4710701222
39.188014	-81.6853	Rhinestreet Sh	165	4710701224
39.177709	-81.688655	Rhinestreet Sh	165	4710701253
37.805031	-82.071285	Rhinestreet Sh	164	4704501251
38.580086	-81.931946	Rhinestreet Sh	164	4707900443
38.6643	-81.76839	Rhinestreet Sh	164	4707900480
38.49492	-81.967553	Rhinestreet Sh	164	4707900724
38.64388	-81.908676	Rhinestreet Sh	164	4707900849
38.624565	-81.778446	Rhinestreet Sh	164	4707901021
38.527996	-81.809491	Rhinestreet Sh	164	4707901043
38.951315	-81.711631	Rhinestreet Sh	163	4703501511
38.208043	-81.875368	Rhinestreet Sh	163	4704302802
37.688159	-81.89526	Rhinestreet Sh	163	4704501227
38.499565	-81.776368	Rhinestreet Sh	163	4707900551
39.108744	-81.708891	Rhinestreet Sh	163	4710701213
39.22344	-81.658541	Rhinestreet Sh	163	4710701266
37.964586	-81.844322	Rhinestreet Sh	162	4700501827
38.86037	-81.73157	Rhinestreet Sh	162	4703501191
38.942648	-81.709379	Rhinestreet Sh	162	4703501513
37.881833	-82.074448	Rhinestreet Sh	162	4704501391
38.767574	-81.894833	Rhinestreet Sh	162	4705300029

38.338326	-81.916636	Rhinestreet Sh	162	4707900137
38.061272	-82.257705	Rhinestreet Sh	162	4709902037
39.262639	-81.664387	Rhinestreet Sh	162	4710700758
38.148089	-81.917585	Rhinestreet Sh	161	4700500421
38.790239	-81.769173	Rhinestreet Sh	161	4703501131
38.415813	-81.755748	Rhinestreet Sh	161	4703902117
39.249419	-81.66853	Rhinestreet Sh	161	4710700755
39.182934	-81.699276	Rhinestreet Sh	161	4710701254
39.191207	-81.712433	Rhinestreet Sh	161	4710701255
38.796468	-81.754449	Rhinestreet Sh	160	4703501128
38.788834	-81.691817	Rhinestreet Sh	160	4703501685
38.479681	-81.631823	Rhinestreet Sh	160	4703900259
38.269846	-81.5641	Rhinestreet Sh	160	4703900350
38.48508	-81.629071	Rhinestreet Sh	160	4703900385
38.479245	-81.539829	Rhinestreet Sh	160	4703900429
38.479779	-81.641399	Rhinestreet Sh	160	4703900460
38.538643	-81.662702	Rhinestreet Sh	160	4703900550
38.0425	-82.063234	Rhinestreet Sh	160	4704300901
38.262537	-81.815952	Rhinestreet Sh	160	4704302498
37.825858	-82.114689	Rhinestreet Sh	160	4704500133
37.701367	-81.862902	Rhinestreet Sh	160	4704501588
38.684966	-81.863494	Rhinestreet Sh	160	4705300208
37.892283	-82.394046	Rhinestreet Sh	160	4709900465
39.214296	-81.706543	Rhinestreet Sh	160	4710700375
39.264961	-81.67432	Rhinestreet Sh	160	4710700709
39.235631	-81.675238	Rhinestreet Sh	160	4710700727
39.071722	-81.660156	Rhinestreet Sh	160	4710701186
37.632704	-81.744837	Rhinestreet Sh	160	4710901822
37.669581	-82.206821	Rhinestreet Sh	16	4705901221
38.300822	-82.241467	Rhinestreet Sh	159	4701100558
38.85697	-81.743952	Rhinestreet Sh	159	4703501220
38.902308	-81.726828	Rhinestreet Sh	159	4703501235
38.548892	-81.58212	Rhinestreet Sh	159	4703903795
38.148168	-81.90601	Rhinestreet Sh	159	4704300174
37.80924	-82.078049	Rhinestreet Sh	159	4704501322
38.645503	-81.818744	Rhinestreet Sh	159	4707901036
38.615566	-81.902522	Rhinestreet Sh	159	4707901149
37.889867	-82.395258	Rhinestreet Sh	159	4709901581
38.305839	-82.258279	Rhinestreet Sh	158	4701100561
38.91263	-81.72817	Rhinestreet Sh	158	4703501163
38.872678	-81.738176	Rhinestreet Sh	158	4703501206
38.893793	-81.724997	Rhinestreet Sh	158	4703501224
38.84336	-81.749483	Rhinestreet Sh	158	4703501229
38.850036	-81.756302	Rhinestreet Sh	158	4703501241
38.871523	-81.823662	Rhinestreet Sh	158	4703501425
38.676269	-81.864789	Rhinestreet Sh	158	4705300205
38.483454	-81.970404	Rhinestreet Sh	158	4707900760
38.602738	-81.823319	Rhinestreet Sh	158	4707900865
39.260172	-81.676373	Rhinestreet Sh	158	4710700752

38.918723	-81.798186	Rhinestreet Sh	157	4703501384
38.487744	-81.634432	Rhinestreet Sh	157	4703900677
38.440772	-81.760695	Rhinestreet Sh	157	4703902143
37.581592	-81.861577	Rhinestreet Sh	157	4705901187
37.63314	-82.132483	Rhinestreet Sh	157	4705901296
38.468808	-81.869342	Rhinestreet Sh	157	4707900236
38.607264	-81.783213	Rhinestreet Sh	157	4707900368
38.52099	-81.943387	Rhinestreet Sh	157	4707900566
38.830931	-81.756582	Rhinestreet Sh	156	4703501444
38.812883	-81.769187	Rhinestreet Sh	156	4703501466
38.689901	-81.818312	Rhinestreet Sh	156	4705300258
37.815336	-82.139261	Rhinestreet Sh	156	4705901077
37.591328	-81.877369	Rhinestreet Sh	156	4705901408
39.268601	-81.677975	Rhinestreet Sh	156	4710700593
38.874502	-81.750395	Rhinestreet Sh	155	4703501240
38.900844	-81.741682	Rhinestreet Sh	155	4703501247
38.820997	-81.764458	Rhinestreet Sh	155	4703501427
38.507849	-81.639962	Rhinestreet Sh	155	4703900495
38.528894	-81.50942	Rhinestreet Sh	155	4703900556
38.557651	-81.566483	Rhinestreet Sh	155	4703900790
38.517076	-81.725843	Rhinestreet Sh	155	4703900960
37.826749	-82.031814	Rhinestreet Sh	155	4704500205
38.73476	-81.834073	Rhinestreet Sh	155	4705300177
38.546903	-81.979945	Rhinestreet Sh	155	4707900391
39.190481	-81.716905	Rhinestreet Sh	155	4710700180
39.267428	-81.680294	Rhinestreet Sh	155	4710700707
39.251608	-81.690374	Rhinestreet Sh	155	4710700769
39.170162	-81.713737	Rhinestreet Sh	155	4710701183
39.177854	-81.70617	Rhinestreet Sh	155	4710701301
37.963309	-81.793292	Rhinestreet Sh	154	4700501056
37.823028	-81.722777	Rhinestreet Sh	154	4700501412
38.969521	-81.209633	Rhinestreet Sh	154	4701303628
38.776304	-81.784175	Rhinestreet Sh	154	4703501432
38.921033	-81.806521	Rhinestreet Sh	154	4703501523
38.941933	-81.731358	Rhinestreet Sh	154	4703501832
38.571776	-81.731426	Rhinestreet Sh	154	4703900941
38.289414	-81.847132	Rhinestreet Sh	154	4704300381
38.709071	-81.81054	Rhinestreet Sh	154	4705300226
38.486938	-81.943966	Rhinestreet Sh	154	4707900705
38.482088	-81.84989	Rhinestreet Sh	154	4707900722
38.807654	-81.705003	Rhinestreet Sh	153	4703501070
38.889739	-81.742759	Rhinestreet Sh	153	4703501216
38.526646	-81.633542	Rhinestreet Sh	153	4703900427
38.449415	-81.760445	Rhinestreet Sh	153	4703902098
38.840892	-81.900579	Rhinestreet Sh	153	4705300003
38.759513	-81.817078	Rhinestreet Sh	153	4705300157
38.755382	-81.828738	Rhinestreet Sh	153	4705300166
38.746807	-81.833888	Rhinestreet Sh	153	4705300173
38.716908	-81.823492	Rhinestreet Sh	153	4705300184

37.772653	-82.115877	Rhinestreet Sh	153	4705900953
39.227649	-81.6853	Rhinestreet Sh	153	4710700895
39.052445	-81.756456	Rhinestreet Sh	152	4703501165
38.71729	-81.804974	Rhinestreet Sh	152	4703501524
38.932934	-81.739528	Rhinestreet Sh	152	4703501947
37.966877	-81.972196	Rhinestreet Sh	152	4704500957
38.737518	-81.810731	Rhinestreet Sh	152	4705300176
38.707819	-81.869609	Rhinestreet Sh	152	4705300207
38.697114	-81.874157	Rhinestreet Sh	152	4705300211
38.560056	-81.953994	Rhinestreet Sh	152	4707900434
38.514684	-81.943306	Rhinestreet Sh	152	4707900639
38.490276	-81.856751	Rhinestreet Sh	152	4707900744
38.80255	-81.78783	Rhinestreet Sh	151	4703501428
38.72344	-81.817941	Rhinestreet Sh	151	4705300196
38.704106	-81.820419	Rhinestreet Sh	151	4705300222
37.930559	-82.409089	Rhinestreet Sh	151	4709901607
38.589654	-81.025192	Rhinestreet Sh	150	4701501889
38.865116	-81.760252	Rhinestreet Sh	150	4703501248
38.972232	-81.732403	Rhinestreet Sh	150	4703501532
38.522653	-81.597556	Rhinestreet Sh	150	4703900394
38.596408	-81.719786	Rhinestreet Sh	150	4703900856
38.531041	-81.715103	Rhinestreet Sh	150	4703900893
38.07048	-82.102296	Rhinestreet Sh	150	4704300877
38.407851	-82.012275	Rhinestreet Sh	150	4707900115
38.505693	-81.93484	Rhinestreet Sh	150	4707900553
38.490131	-81.870212	Rhinestreet Sh	150	4707900703
38.478852	-81.862185	Rhinestreet Sh	150	4707900733
38.640864	-81.8741	Rhinestreet Sh	150	4707900848
39.181773	-81.748955	Rhinestreet Sh	150	4710701226
39.170017	-81.732185	Rhinestreet Sh	150	4710701259
39.167259	-81.747278	Rhinestreet Sh	150	4710701260
39.271637	-81.668533	Rhinestreet Sh	150	4710701347
38.278604	-82.258652	Rhinestreet Sh	15	4701100423
38.477068	-81.290935	Rhinestreet Sh	15	4703905682
38.216183	-82.508637	Rhinestreet Sh	15	4709900114
38.129726	-82.608536	Rhinestreet Sh	15	4709900399
38.847291	-81.781008	Rhinestreet Sh	149	4703501293
38.865775	-81.759854	Rhinestreet Sh	149	4703501433
38.786587	-81.792964	Rhinestreet Sh	149	4703501441
38.841906	-81.773454	Rhinestreet Sh	149	4703501467
38.735196	-81.817941	Rhinestreet Sh	149	4705300219
37.616727	-82.146501	Rhinestreet Sh	149	4705901278
38.674864	-81.750786	Rhinestreet Sh	149	4707900700
38.649524	-81.87396	Rhinestreet Sh	149	4707900855
38.657958	-81.874966	Rhinestreet Sh	149	4707900860
38.546726	-81.850253	Rhinestreet Sh	149	4707901067
38.883036	-81.762914	Rhinestreet Sh	148	4703501502
37.9571	-81.949047	Rhinestreet Sh	148	4704500958
38.739405	-81.843695	Rhinestreet Sh	148	4705300203

38.686562	-81.831449	Rhinestreet Sh	148	4705300236
38.641149	-81.841866	Rhinestreet Sh	148	4707901018
37.919557	-82.364216	Rhinestreet Sh	148	4709901532
38.856093	-81.769541	Rhinestreet Sh	147	4703501260
38.910135	-81.746398	Rhinestreet Sh	147	4703501379
38.979775	-81.737116	Rhinestreet Sh	147	4703501550
38.995032	-81.735983	Rhinestreet Sh	147	4703501555
38.074083	-82.039618	Rhinestreet Sh	147	4704300867
38.748653	-81.814925	Rhinestreet Sh	147	4705300175
38.702021	-81.835547	Rhinestreet Sh	147	4705300186
38.709508	-81.82938	Rhinestreet Sh	147	4705300221
37.635607	-82.137959	Rhinestreet Sh	147	4705901274
39.185692	-81.736657	Rhinestreet Sh	147	4710701252
39.174516	-81.741315	Rhinestreet Sh	147	4710701258
38.774445	-81.803033	Rhinestreet Sh	146	4703501454
38.157958	-81.922731	Rhinestreet Sh	146	4704303012
38.728665	-81.826499	Rhinestreet Sh	146	4705300238
38.523234	-81.868798	Rhinestreet Sh	146	4707900840
39.058065	-81.7047	Rhinestreet Sh	145	4703501246
38.878186	-81.774977	Rhinestreet Sh	145	4703501266
38.739115	-81.749041	Rhinestreet Sh	145	4703501540
38.6735	-81.844065	Rhinestreet Sh	145	4705300241
38.470537	-82.034666	Rhinestreet Sh	145	4707900034
38.54313	-81.877401	Rhinestreet Sh	145	4707900838
38.866727	-81.771131	Rhinestreet Sh	144	4703501267
38.828824	-81.787742	Rhinestreet Sh	144	4703501465
38.767947	-81.827291	Rhinestreet Sh	144	4705300168
38.690772	-81.84499	Rhinestreet Sh	144	4705300180
38.728229	-81.854242	Rhinestreet Sh	144	4705300206
38.737373	-81.854427	Rhinestreet Sh	144	4705300210
38.510026	-81.976805	Rhinestreet Sh	144	4707900675
38.604681	-81.917221	Rhinestreet Sh	144	4707900912
38.647885	-81.856166	Rhinestreet Sh	144	4707901039
38.529185	-81.990843	Rhinestreet Sh	144	4707901123
38.787893	-81.806495	Rhinestreet Sh	143	4703501431
38.767005	-81.809685	Rhinestreet Sh	143	4703501458
39.014006	-81.736537	Rhinestreet Sh	143	4703501615
38.699625	-81.845546	Rhinestreet Sh	143	4705300240
38.376657	-81.955855	Rhinestreet Sh	143	4707900176
38.849241	-81.7799	Rhinestreet Sh	142	4703501442
38.68394	-81.85273	Rhinestreet Sh	142	4705300189
38.722278	-81.836849	Rhinestreet Sh	142	4705300220
38.6735	-81.854797	Rhinestreet Sh	142	4705300227
38.762058	-81.827626	Rhinestreet Sh	142	4705300234
37.597714	-81.840804	Rhinestreet Sh	142	4705901217
37.66813	-82.264054	Rhinestreet Sh	142	4705901614
38.85381	-81.796486	Rhinestreet Sh	141	4703501402
38.801293	-81.799043	Rhinestreet Sh	141	4703501430
38.517138	-81.663051	Rhinestreet Sh	141	4703900483

38.708043	-81.847026	Rhinestreet Sh	141	4705300187
38.597424	-81.922393	Rhinestreet Sh	141	4707900908
38.611647	-81.920546	Rhinestreet Sh	141	4707900915
38.519896	-82.032509	Rhinestreet Sh	141	4707901138
38.171033	-81.834987	Rhinestreet Sh	140	4700501644
38.177564	-81.832829	Rhinestreet Sh	140	4700501656
38.155346	-81.883637	Rhinestreet Sh	140	4700501659
38.780056	-81.812056	Rhinestreet Sh	140	4703501445
38.911388	-81.774146	Rhinestreet Sh	140	4703501580
38.508865	-81.659911	Rhinestreet Sh	140	4703900633
38.160281	-81.904953	Rhinestreet Sh	140	4704300170
38.779037	-81.832505	Rhinestreet Sh	140	4705300144
38.496222	-81.861836	Rhinestreet Sh	140	4707900623
39.177167	-81.733114	Rhinestreet Sh	140	4710700407
37.638074	-81.738267	Rhinestreet Sh	140	4710901457
38.859334	-81.792296	Rhinestreet Sh	139	4703501268
38.833079	-81.808346	Rhinestreet Sh	139	4703501390
38.859524	-81.788468	Rhinestreet Sh	139	4703501446
38.770751	-81.84186	Rhinestreet Sh	139	4705300150
38.753785	-81.840006	Rhinestreet Sh	139	4705300198
38.824067	-81.802109	Rhinestreet Sh	138	4703500790
39.03877	-81.680778	Rhinestreet Sh	138	4703500998
38.894378	-81.788374	Rhinestreet Sh	138	4703501282
38.863305	-81.79829	Rhinestreet Sh	138	4703501408
38.567263	-82.072288	Rhinestreet Sh	138	4705300073
38.719692	-81.84986	Rhinestreet Sh	138	4705300178
38.72939	-81.842585	Rhinestreet Sh	138	4705300182
38.650266	-81.899795	Rhinestreet Sh	138	4707900943
38.816933	-81.812215	Rhinestreet Sh	137	4703501376
38.796834	-81.813779	Rhinestreet Sh	137	4703501405
38.318965	-81.876473	Rhinestreet Sh	137	4703903798
38.702528	-81.860533	Rhinestreet Sh	137	4705300179
38.506108	-81.869537	Rhinestreet Sh	137	4707900300
38.841826	-81.810932	Rhinestreet Sh	136	4703501377
38.882038	-81.803789	Rhinestreet Sh	136	4703501413
39.04313	-81.738467	Rhinestreet Sh	136	4703501421
38.892277	-81.792813	Rhinestreet Sh	136	4703501435
38.775701	-81.822251	Rhinestreet Sh	136	4703501443
38.912345	-81.79038	Rhinestreet Sh	136	4703501521
37.67321	-81.907854	Rhinestreet Sh	136	4704501224
38.776058	-81.850235	Rhinestreet Sh	136	4705300148
38.520622	-82.024936	Rhinestreet Sh	136	4707901139
38.126753	-81.855936	Rhinestreet Sh	135	4700501664
38.894606	-81.79928	Rhinestreet Sh	135	4703501411
38.91842	-81.699718	Rhinestreet Sh	135	4703501574
38.112518	-82.088103	Rhinestreet Sh	135	4704303104
38.763365	-81.83704	Rhinestreet Sh	135	4705300156
38.488921	-81.902395	Rhinestreet Sh	135	4707900734
38.561998	-81.900006	Rhinestreet Sh	135	4707901087

39.163328	-81.703003	Rhinestreet Sh	135	4710701221
38.784602	-81.824298	Rhinestreet Sh	134	4703501395
38.890091	-81.796798	Rhinestreet Sh	134	4703501406
38.88734	-81.804309	Rhinestreet Sh	134	4703501457
38.787854	-81.845685	Rhinestreet Sh	134	4705300143
38.343207	-81.918627	Rhinestreet Sh	134	4707900238
38.565336	-81.893674	Rhinestreet Sh	134	4707901063
38.885364	-81.775338	Rhinestreet Sh	133	4703501269
38.793118	-81.826544	Rhinestreet Sh	133	4703501398
38.783508	-81.857626	Rhinestreet Sh	133	4705300151
38.563508	-81.980381	Rhinestreet Sh	133	4707900424
38.610308	-81.893479	Rhinestreet Sh	133	4707900792
38.378867	-81.950066	Rhinestreet Sh	133	4707901072
38.894632	-81.805545	Rhinestreet Sh	132	4703501374
38.787457	-81.834002	Rhinestreet Sh	132	4703501414
38.90787	-81.796944	Rhinestreet Sh	132	4703501456
38.7985	-81.834075	Rhinestreet Sh	132	4703501460
39.084797	-81.736421	Rhinestreet Sh	132	4703501622
38.521008	-81.722224	Rhinestreet Sh	132	4703902421
38.829269	-81.883712	Rhinestreet Sh	132	4705300038
38.369567	-81.952189	Rhinestreet Sh	132	4707901070
38.869394	-81.824663	Rhinestreet Sh	131	4703501387
38.817764	-81.82482	Rhinestreet Sh	131	4703501397
38.850408	-81.809995	Rhinestreet Sh	131	4703501400
38.407088	-81.427177	Rhinestreet Sh	131	4703901188
38.117327	-82.193337	Rhinestreet Sh	131	4704300614
38.772033	-81.861136	Rhinestreet Sh	131	4705300154
38.139671	-81.86641	Rhinestreet Sh	130	4700501654
38.795466	-81.840063	Rhinestreet Sh	130	4703501378
38.894606	-81.812649	Rhinestreet Sh	130	4703501451
38.90473	-81.809546	Rhinestreet Sh	130	4703501462
38.197012	-81.850239	Rhinestreet Sh	130	4704302944
38.137203	-81.884188	Rhinestreet Sh	130	4704302948
37.920742	-81.932233	Rhinestreet Sh	130	4704500864
38.559786	-81.993174	Rhinestreet Sh	130	4707900437
38.502334	-82.019025	Rhinestreet Sh	130	4707900764
38.621855	-81.894318	Rhinestreet Sh	130	4707900835
38.524831	-82.024936	Rhinestreet Sh	130	4707901140
38.309531	-82.252393	Rhinestreet Sh	129	4701100339
38.888967	-81.820641	Rhinestreet Sh	129	4703501275
38.8414	-81.822978	Rhinestreet Sh	129	4703501391
38.55377	-81.921083	Rhinestreet Sh	129	4707901033
38.828798	-81.826477	Rhinestreet Sh	128	4703501389
38.804535	-81.836623	Rhinestreet Sh	128	4703501393
38.823697	-81.83525	Rhinestreet Sh	128	4703501415
39.047776	-81.762666	Rhinestreet Sh	128	4703501586
38.098875	-82.224293	Rhinestreet Sh	128	4704301637
37.59365	-81.94655	Rhinestreet Sh	128	4705901555
38.541468	-81.94702	Rhinestreet Sh	128	4707901060

38.517428	-81.714614	Rhinestreet Sh	127	4703902294
38.493469	-81.570985	Rhinestreet Sh	127	4703902508
38.806337	-81.856132	Rhinestreet Sh	127	4705300145
38.809613	-81.846002	Rhinestreet Sh	126	4703501404
39.057644	-81.774553	Rhinestreet Sh	126	4703501584
38.540517	-82.025784	Rhinestreet Sh	126	4707900561
38.17829	-81.850239	Rhinestreet Sh	125	4700501643
38.132124	-81.869351	Rhinestreet Sh	125	4700501655
38.126173	-81.876838	Rhinestreet Sh	125	4700501657
38.46311	-81.547039	Rhinestreet Sh	125	4703900190
38.441352	-81.542035	Rhinestreet Sh	125	4703900281
38.536297	-81.557367	Rhinestreet Sh	125	4703900398
38.558114	-81.694743	Rhinestreet Sh	125	4703900829
38.126318	-82.029034	Rhinestreet Sh	125	4704300182
38.1388	-81.990492	Rhinestreet Sh	125	4704301748
38.141993	-81.880513	Rhinestreet Sh	125	4704302952
37.630237	-82.181451	Rhinestreet Sh	125	4705901417
38.532558	-81.933974	Rhinestreet Sh	125	4707901038
38.820713	-81.847337	Rhinestreet Sh	124	4703501399
38.814051	-81.780777	Rhinestreet Sh	124	4703501426
39.049222	-81.775536	Rhinestreet Sh	124	4703501571
38.850907	-81.951328	Rhinestreet Sh	124	4705300001
37.590959	-81.942052	Rhinestreet Sh	124	4705900666
37.834651	-82.181841	Rhinestreet Sh	124	4705900990
38.031299	-81.974698	Rhinestreet Sh	123	4704302500
38.697303	-81.882401	Rhinestreet Sh	123	4705300074
38.550445	-82.016075	Rhinestreet Sh	123	4707900689
38.822334	-81.859439	Rhinestreet Sh	122	4703501370
39.042404	-81.78218	Rhinestreet Sh	122	4703501605
38.204269	-82.136393	Rhinestreet Sh	122	4704303137
37.491001	-81.944547	Rhinestreet Sh	122	4704700618
38.915506	-82.071561	Rhinestreet Sh	122	4705300006
38.44948	-82.276737	Rhinestreet Sh	121	4701100534
39.051838	-81.786644	Rhinestreet Sh	121	4703501587
38.061272	-82.257705	Rhinestreet Sh	121	4709902037
38.470137	-81.642026	Rhinestreet Sh	120	4703900400
38.161297	-81.894111	Rhinestreet Sh	120	4704302829
38.190626	-81.858141	Rhinestreet Sh	120	4704302946
38.191788	-81.870086	Rhinestreet Sh	120	4704302957
37.700496	-81.887776	Rhinestreet Sh	120	4704501239
38.455473	-81.773746	Rhinestreet Sh	120	4707900601
38.547113	-81.950726	Rhinestreet Sh	120	4707901066
39.060103	-81.786178	Rhinestreet Sh	119	4703501573
39.007087	-81.724343	Rhinestreet Sh	119	4703501614
38.545935	-81.702277	Rhinestreet Sh	119	4703900844
38.330784	-82.177842	Rhinestreet Sh	119	4704300230
38.839132	-81.858407	Rhinestreet Sh	118	4703501365
38.821224	-81.880244	Rhinestreet Sh	118	4705300125
38.826677	-81.879809	Rhinestreet Sh	118	4705300138

37.574044	-81.952199	Rhinestreet Sh	118	4705901554
38.328143	-81.924759	Rhinestreet Sh	118	4707900138
39.128931	-81.683437	Rhinestreet Sh	1175	4710700443
38.523815	-82.263115	Rhinestreet Sh	117	4701100537
38.167404	-81.843256	Rhinestreet Sh	115	4700501645
38.839959	-81.66713	Rhinestreet Sh	115	4703500402
38.555867	-81.55456	Rhinestreet Sh	115	4703900740
38.172919	-81.897051	Rhinestreet Sh	115	4704302958
38.843928	-81.897164	Rhinestreet Sh	115	4705300163
38.647461	-81.740788	Rhinestreet Sh	115	4707900218
38.407233	-81.401184	Rhinestreet Sh	114	4703901244
38.286151	-82.013069	Rhinestreet Sh	114	4707901264
38.46712	-82.12947	Rhinestreet Sh	113	4701100391
38.433369	-82.322276	Rhinestreet Sh	113	4701100532
38.121783	-82.195028	Rhinestreet Sh	113	4704300967
37.97344	-81.950547	Rhinestreet Sh	112	4700500900
38.312578	-82.246253	Rhinestreet Sh	112	4701100345
38.845708	-81.885702	Rhinestreet Sh	112	4703501525
38.810616	-81.742711	Rhinestreet Sh	111	4703501136
38.188545	-82.00258	Rhinestreet Sh	111	4704302557
38.308805	-81.541233	Rhinestreet Sh	110	4703900177
38.52791	-81.554109	Rhinestreet Sh	110	4703900545
38.502044	-81.568635	Rhinestreet Sh	110	4703900684
38.020281	-82.038247	Rhinestreet Sh	110	4704300938
38.43366	-82.003135	Rhinestreet Sh	110	4707901100
38.737373	-81.977947	Rhinestreet Sh	109	4705300030
37.735486	-82.267367	Rhinestreet Sh	109	4705900919
38.446432	-82.003503	Rhinestreet Sh	109	4707901014
38.584216	-81.533987	Rhinestreet Sh	108	4703900866
38.976052	-81.937834	Rhinestreet Sh	108	4705300423
38.845877	-81.928122	Rhinestreet Sh	107	4705300228
38.584797	-80.996938	Rhinestreet Sh	1062	4701502644
38.323319	-82.205691	Rhinestreet Sh	106	4701100238
38.933817	-81.919433	Rhinestreet Sh	106	4705300137
37.883351	-82.337546	Rhinestreet Sh	106	4705900880
38.441497	-82.008482	Rhinestreet Sh	106	4707901102
38.426258	-82.34034	Rhinestreet Sh	105	4701100524
38.355752	-82.324946	Rhinestreet Sh	105	4701100719
38.562896	-81.709431	Rhinestreet Sh	105	4703900877
38.489496	-81.782155	Rhinestreet Sh	105	4707900562
38.313159	-82.290313	Rhinestreet Sh	105	4709900170
37.864115	-82.050077	Rhinestreet Sh	104	4704501250
38.931483	-81.962604	Rhinestreet Sh	104	4705300188
38.963061	-81.9752	Rhinestreet Sh	104	4705300283
38.418253	-82.028277	Rhinestreet Sh	104	4707901049
38.069563	-82.504953	Rhinestreet Sh	104	4709901691
38.836118	-81.873951	Rhinestreet Sh	103	4703501373
38.202673	-81.818863	Rhinestreet Sh	103	4703900298
38.539201	-81.644594	Rhinestreet Sh	103	4703900500

38.55895	-81.669991	Rhinestreet Sh	103	4703900618
37.694545	-81.901648	Rhinestreet Sh	103	4704501237
38.88401	-81.995284	Rhinestreet Sh	103	4705300063
38.21017	-82.400987	Rhinestreet Sh	103	4709900109
39.592053	-80.502435	Rhinestreet Sh	1020	4710301244
38.428301	-82.131276	Rhinestreet Sh	102	4701170156
38.535253	-82.065635	Rhinestreet Sh	102	4705300071
38.861178	-81.949861	Rhinestreet Sh	102	4705300158
38.524831	-82.014038	Rhinestreet Sh	102	4707901143
38.100181	-82.343056	Rhinestreet Sh	102	4709900269
38.20006	-82.349688	Rhinestreet Sh	101	4709900174
38.448464	-81.437503	Rhinestreet Sh	100	4703901533
38.538183	-82.112887	Rhinestreet Sh	100	4705300020
38.342651	-81.92864	Rhinestreet Sh	100	4707900136
38.129511	-82.469175	Rhinestreet Sh	100	4709901546
39.080431	-81.687686	Rhinestreet Sh	100	4710700426
39.068819	-80.998325	Rhinestreet Sh	10	4708508095

