

Appendix D-2

Part 2

Area of Influence and HYSPLIT Graphics for VISTAS and Nearby Class I Areas

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Linville Gorge Wilderness Area

Class1 site: 22 Year: 2011-2016 Height: 100.00

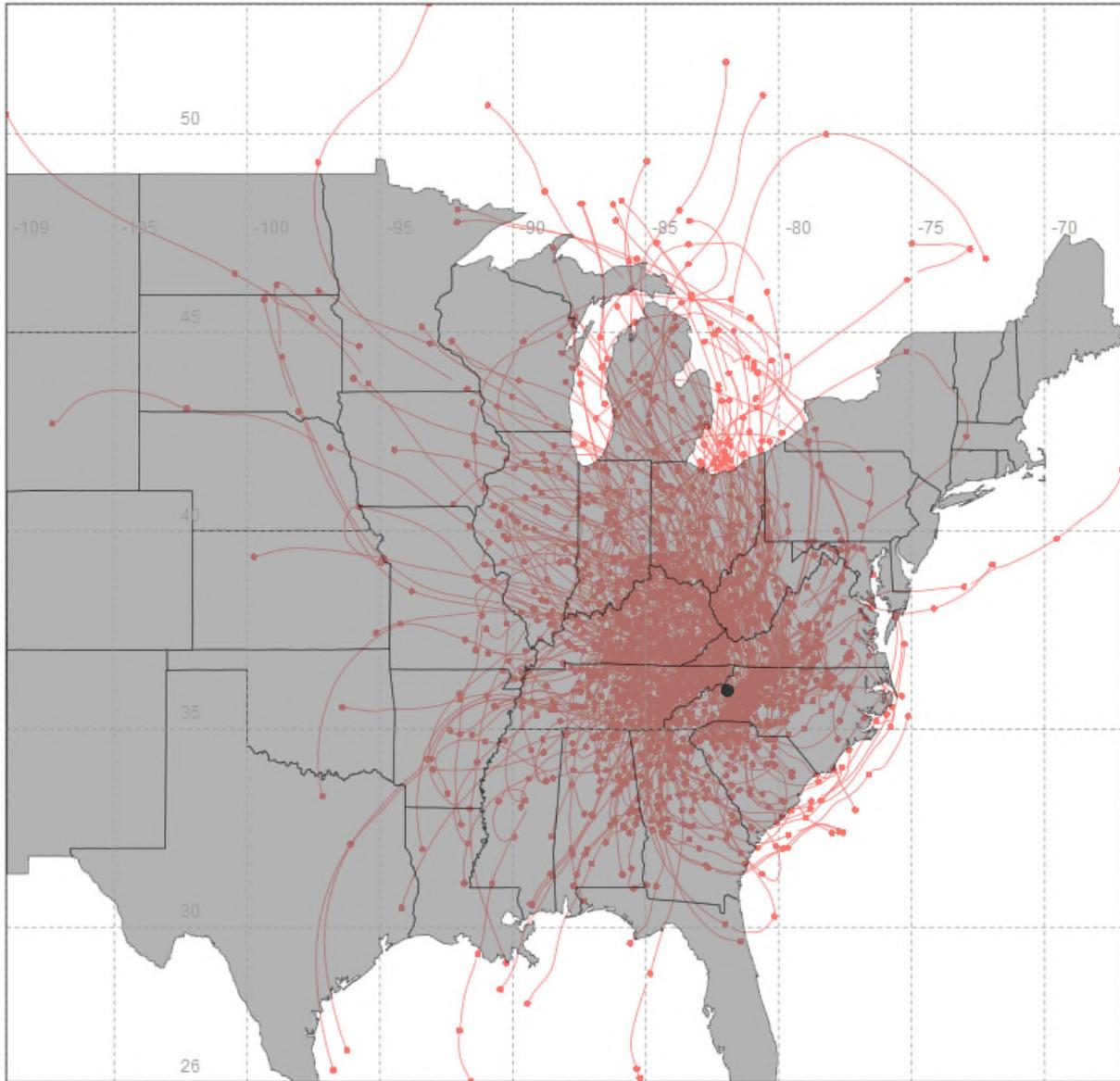


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Linville Gorge Wilderness Area

Class1 site: 22 Year: 2011-2016 Height: 100.00

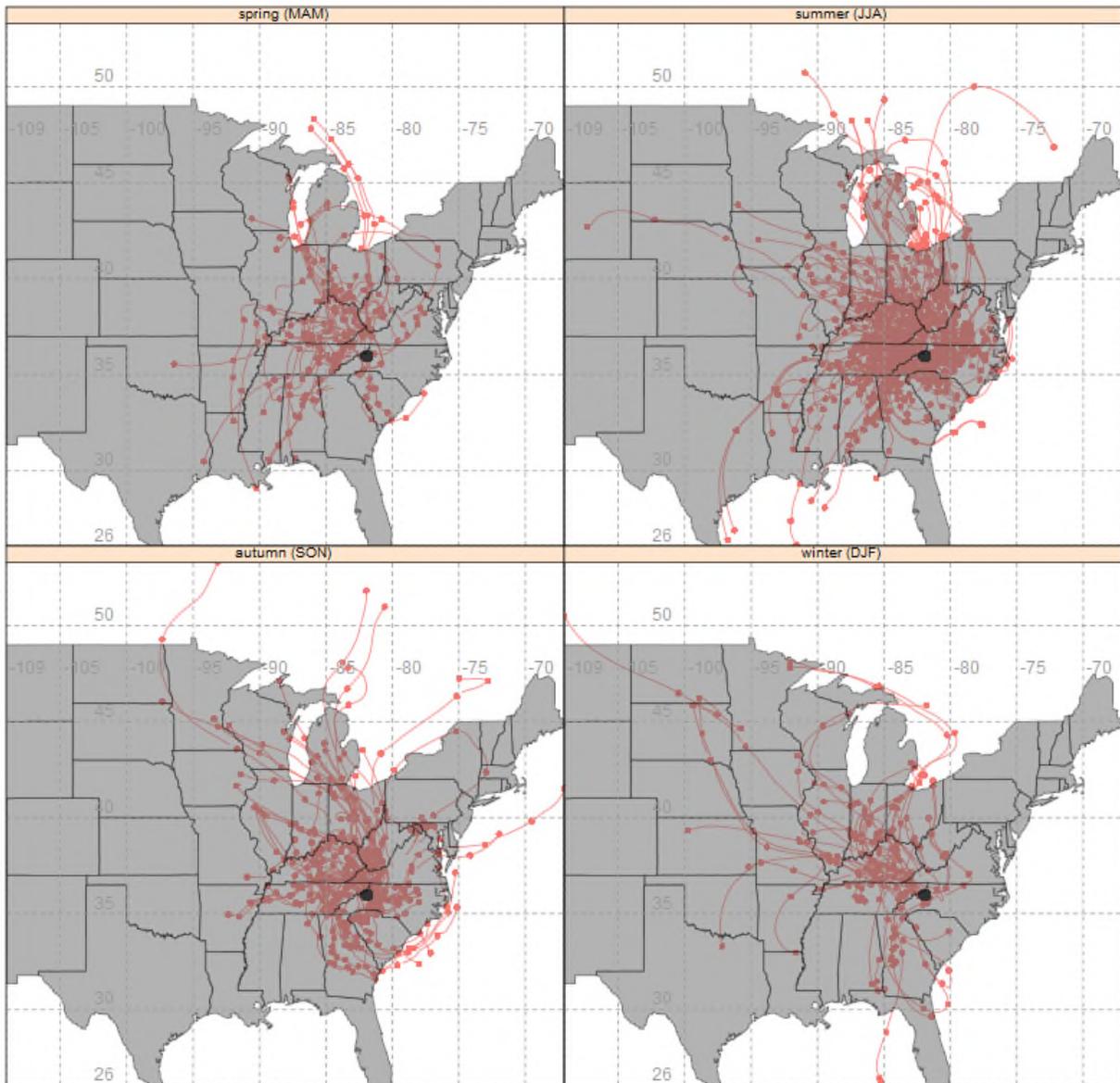


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Linville Gorge Wilderness Area

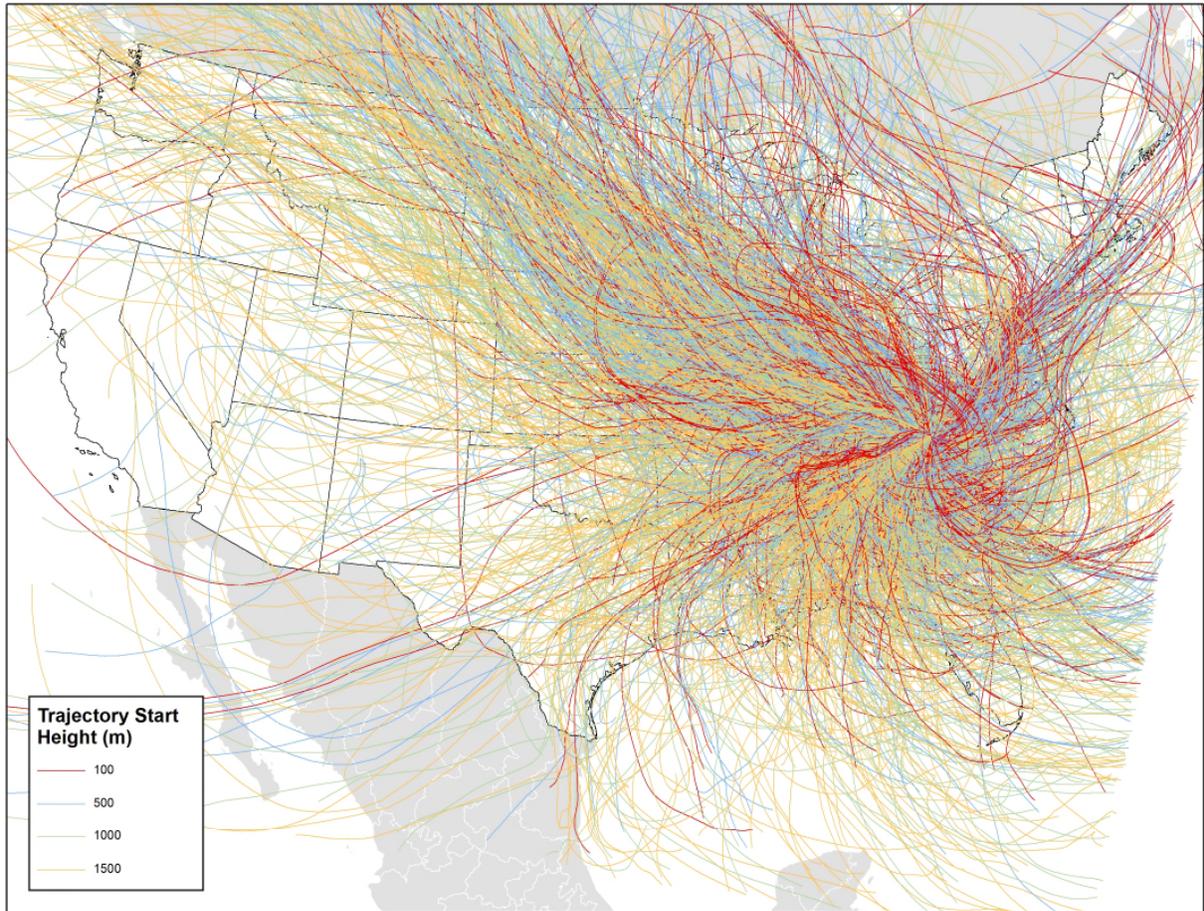


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Linville Gorge Wilderness Area

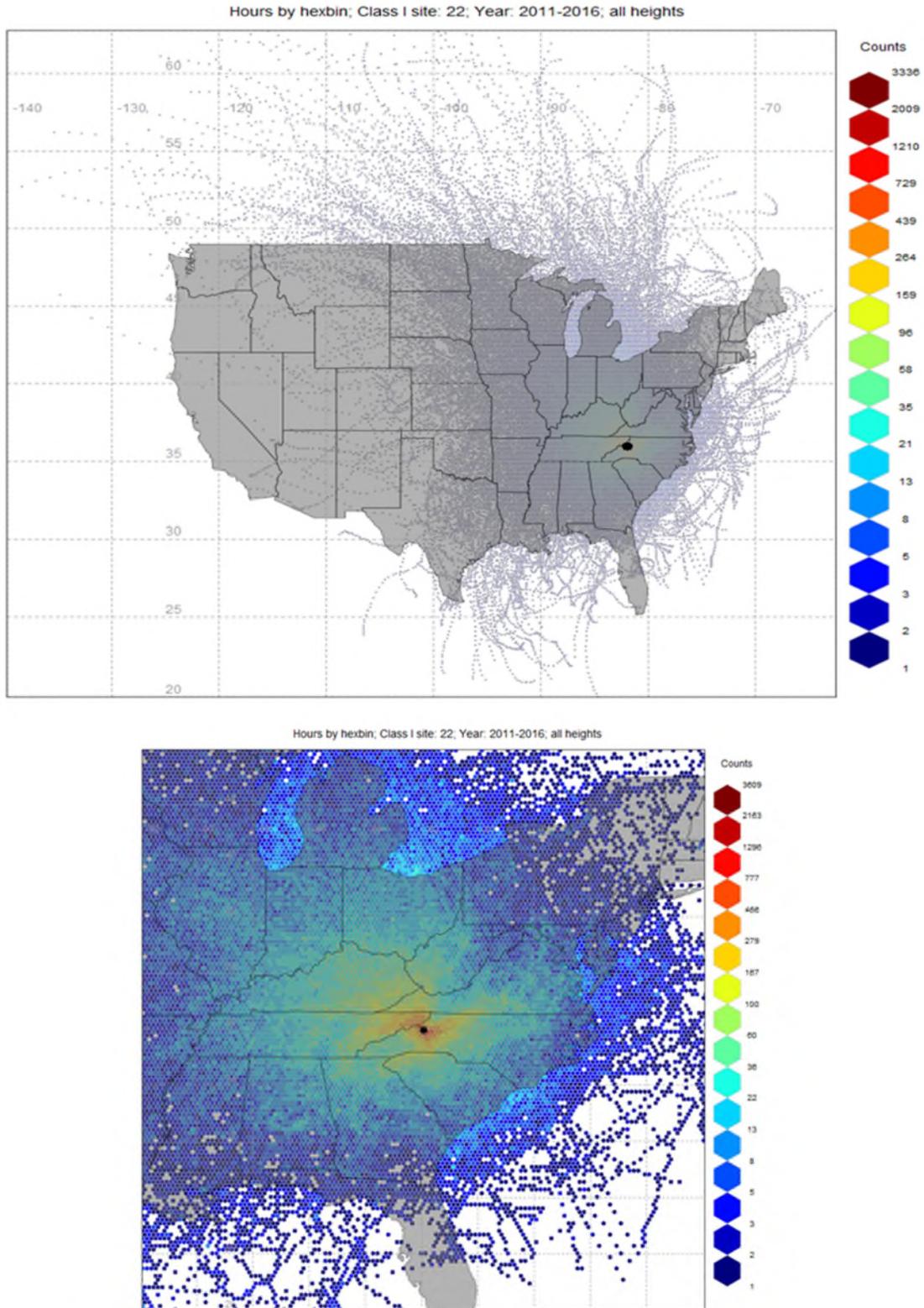


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Linville Gorge Wilderness Area – Full View (top) and Class I Zoom (bottom)

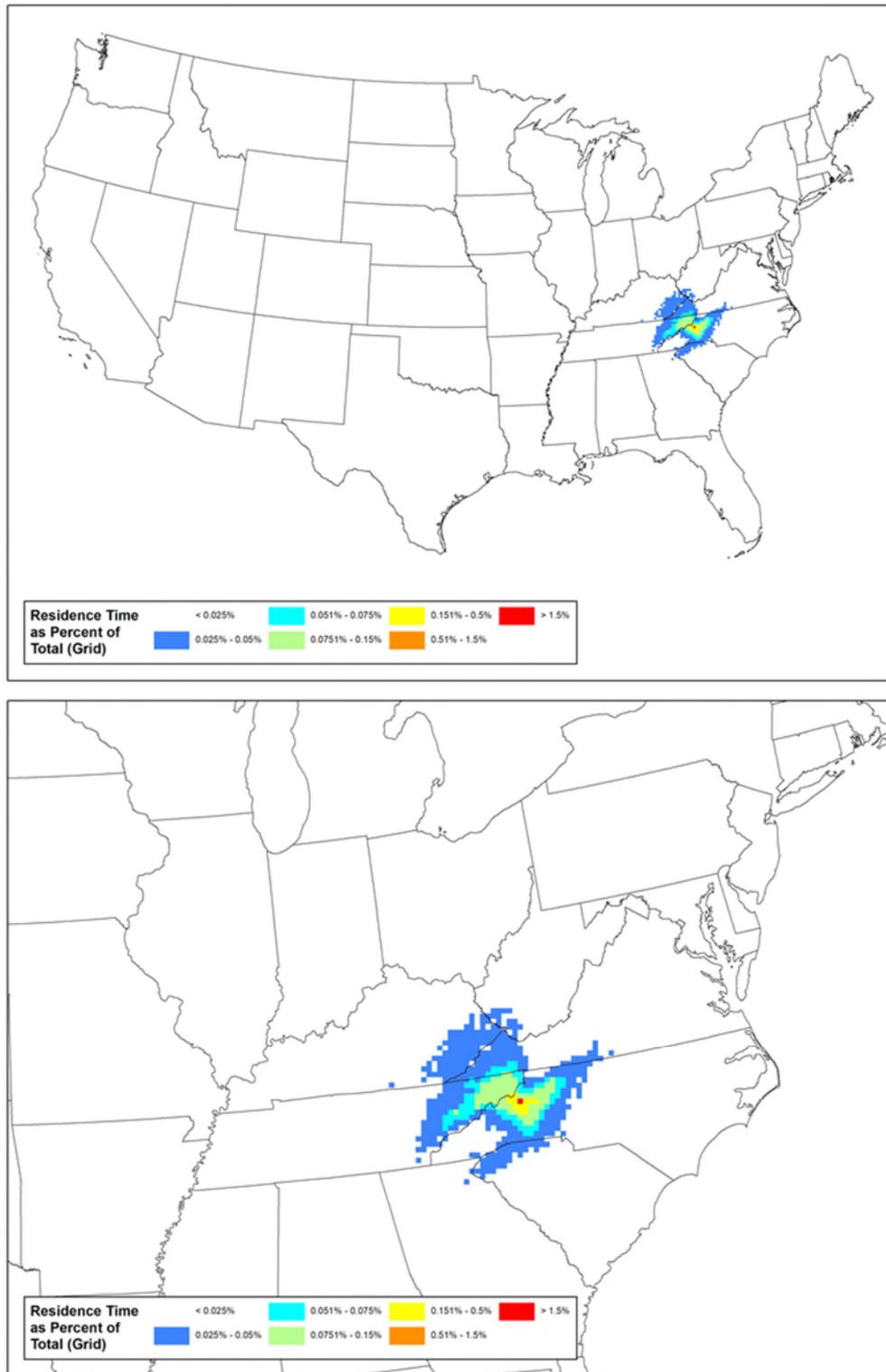


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Linville Gorge Wilderness Area – Full View (top) and Class I Zoom (bottom))

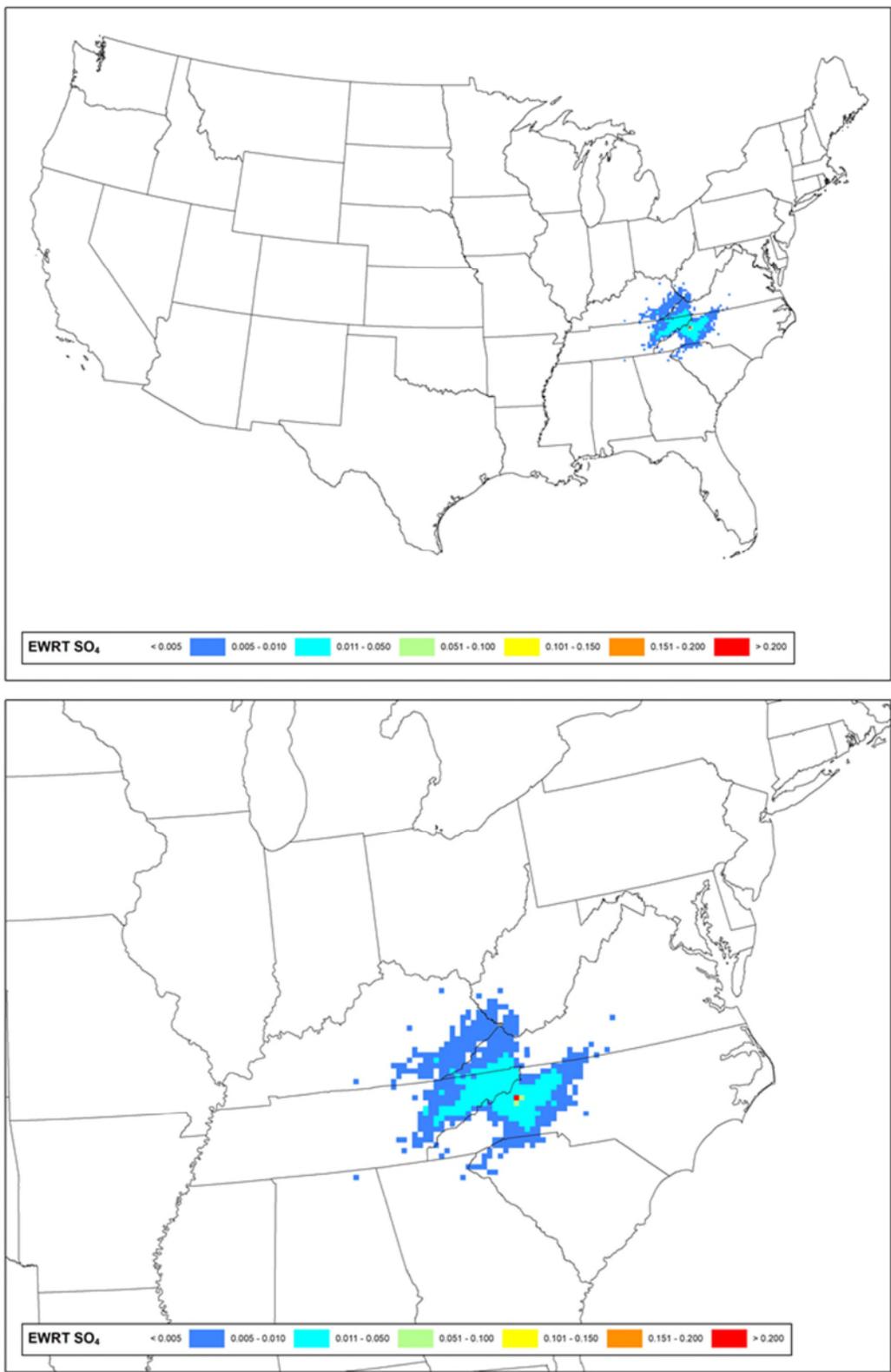


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Linville Gorge Wilderness Area - Full View (top) and Class I Zoom (bottom)

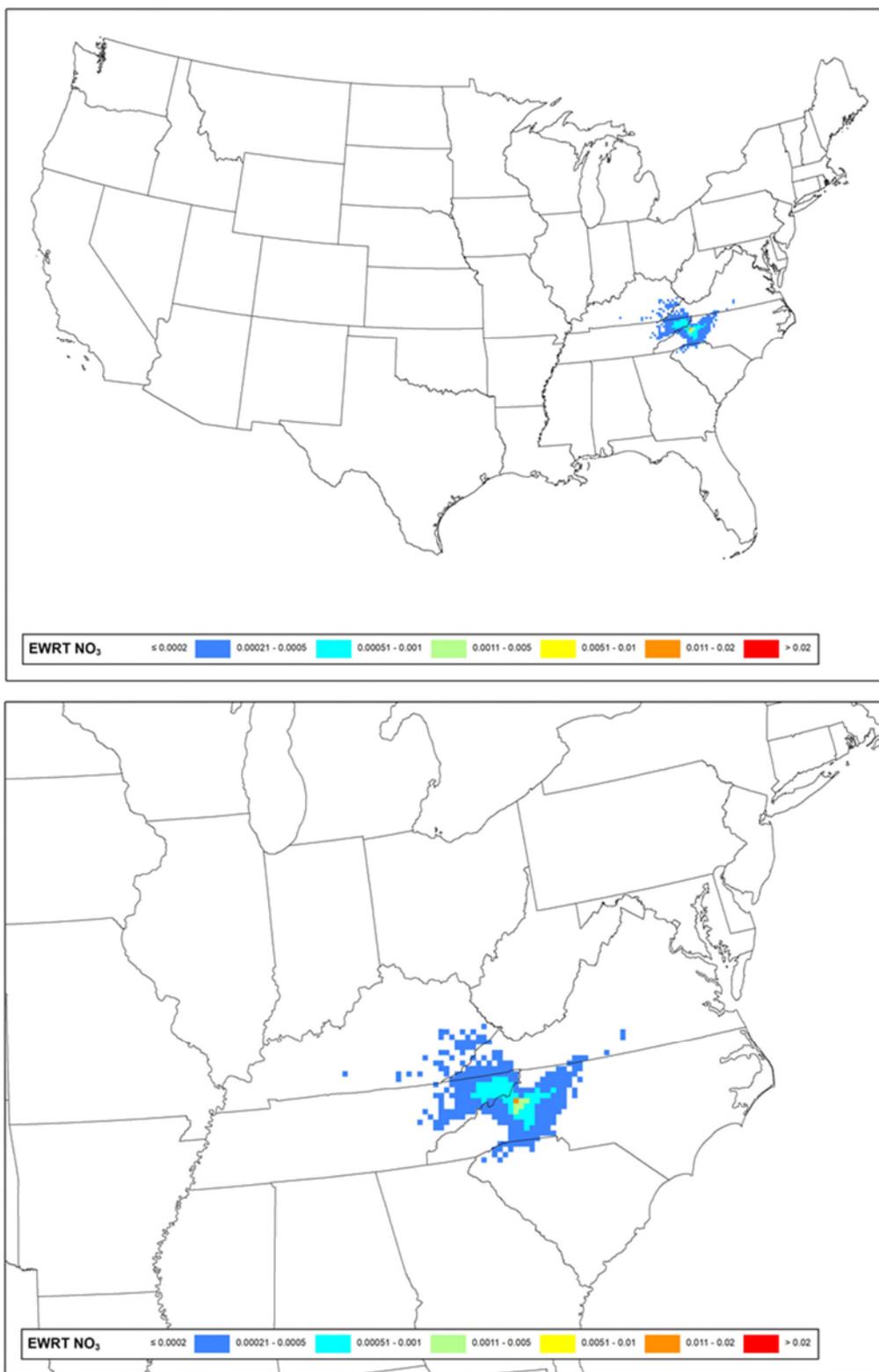


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Linville Gorge Wilderness Area - Full View (top) and Class I Zoom (bottom)

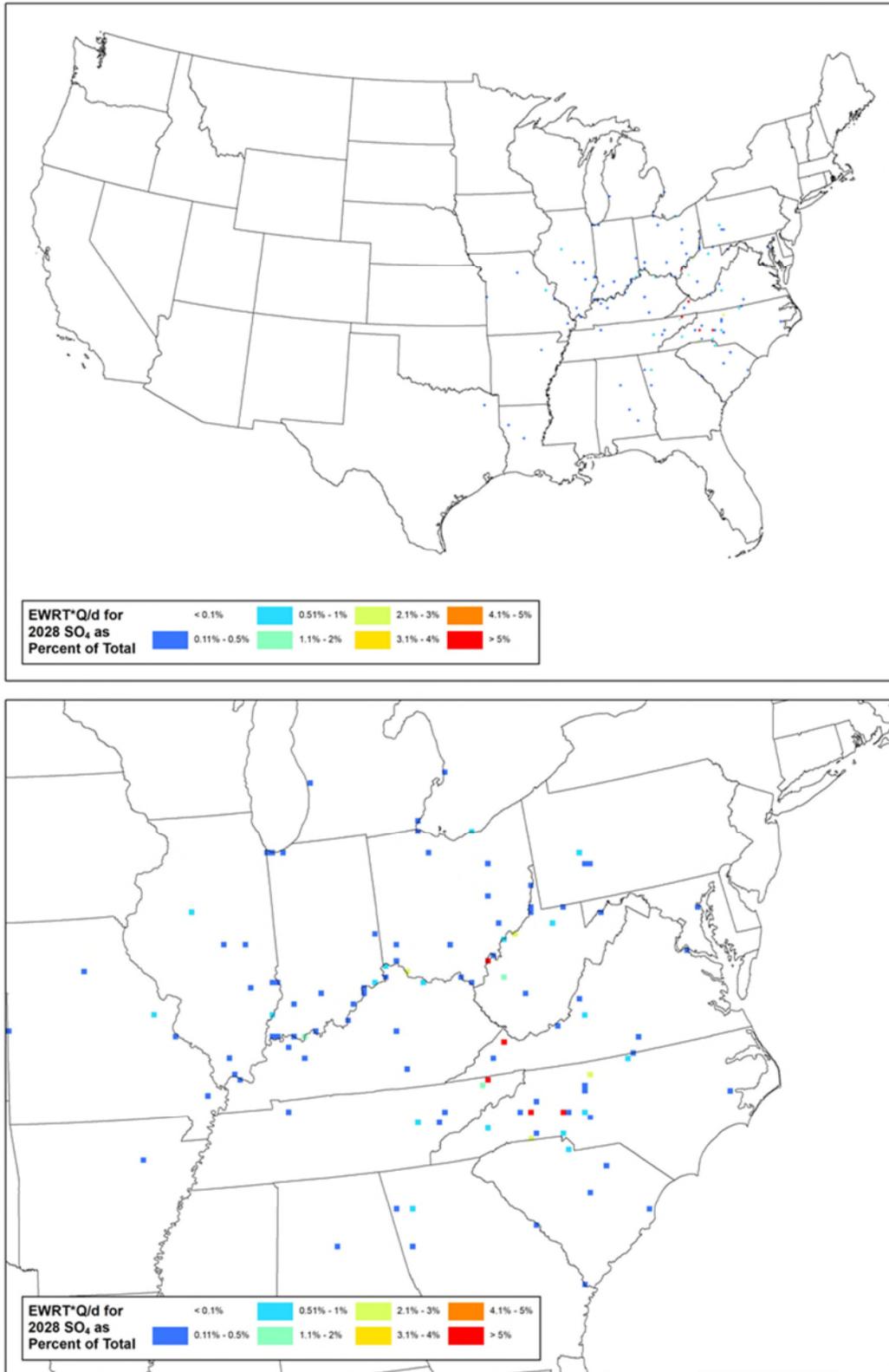


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Linville Gorge Wilderness Area – Full View (top) and Class I Zoom (bottom)

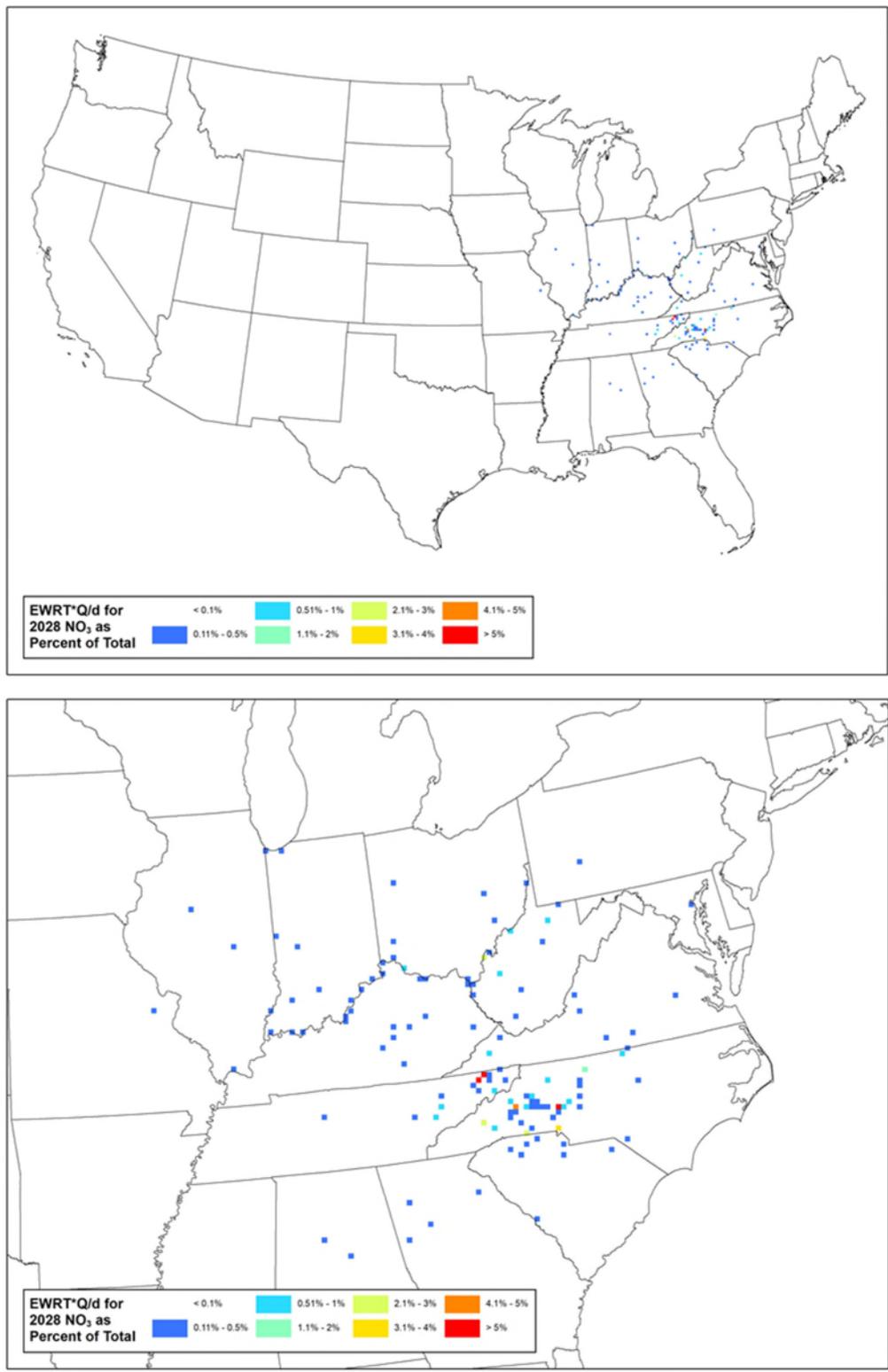


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Linville Gorge Wilderness Area– Full View (top) and Class I Zoom (bottom)

Mammoth Cave National Park

Class1 site: 25 Year: 2011-2016 Height: 100.00

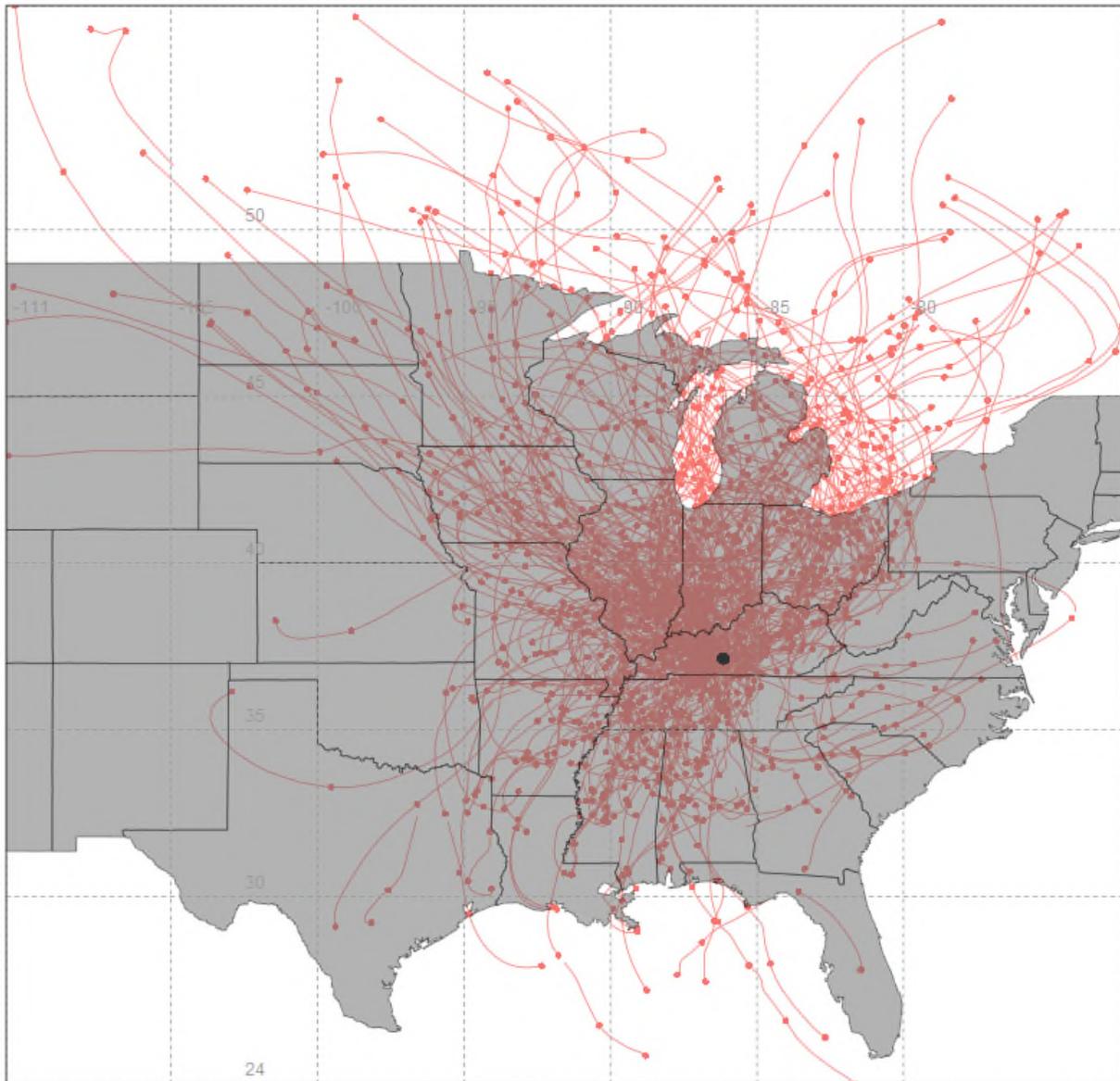


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Mammoth Cave National Park

Class1 site: 25 Year: 2011-2016 Height: 100.00

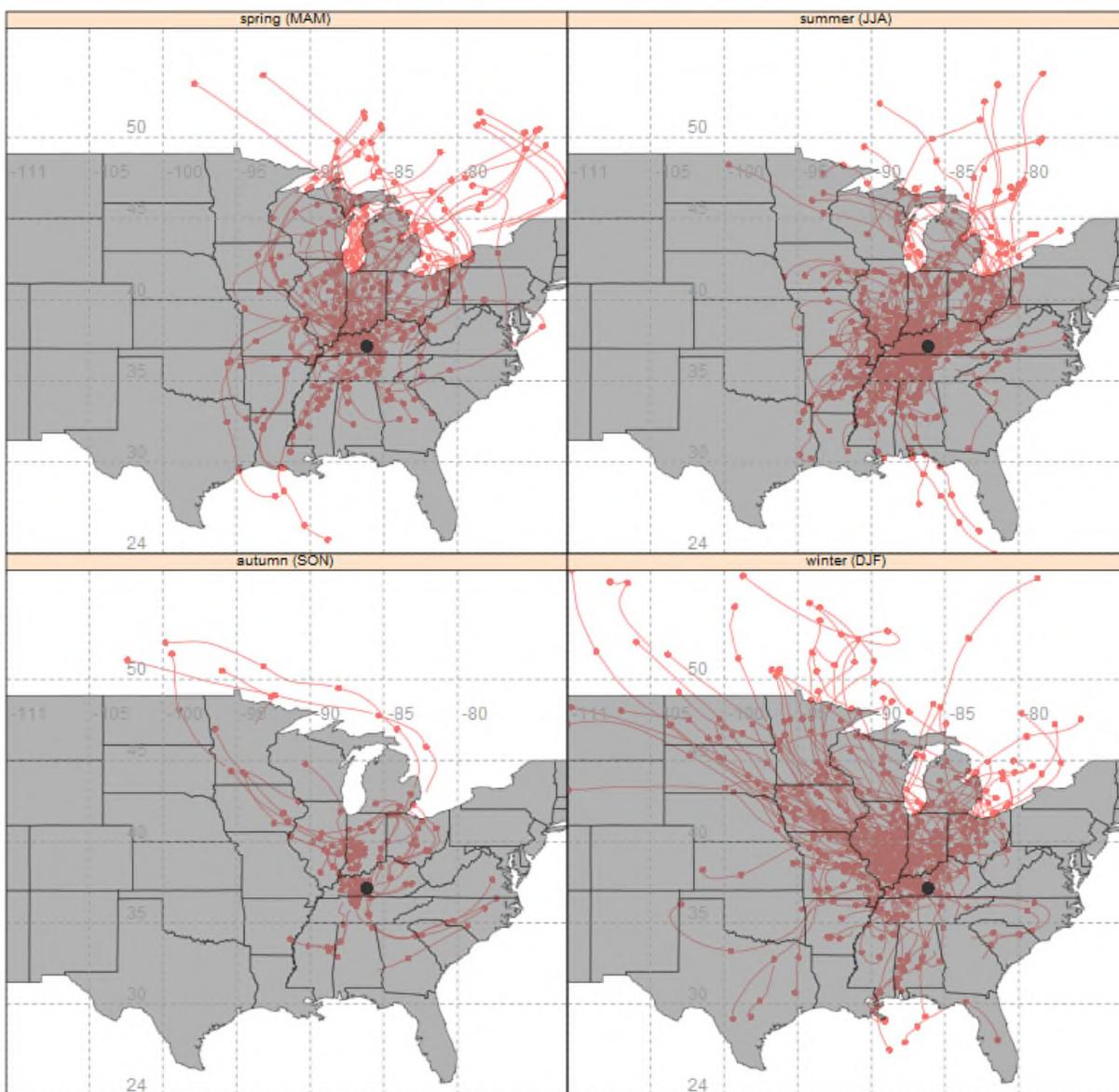


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Mammoth Cave National Park

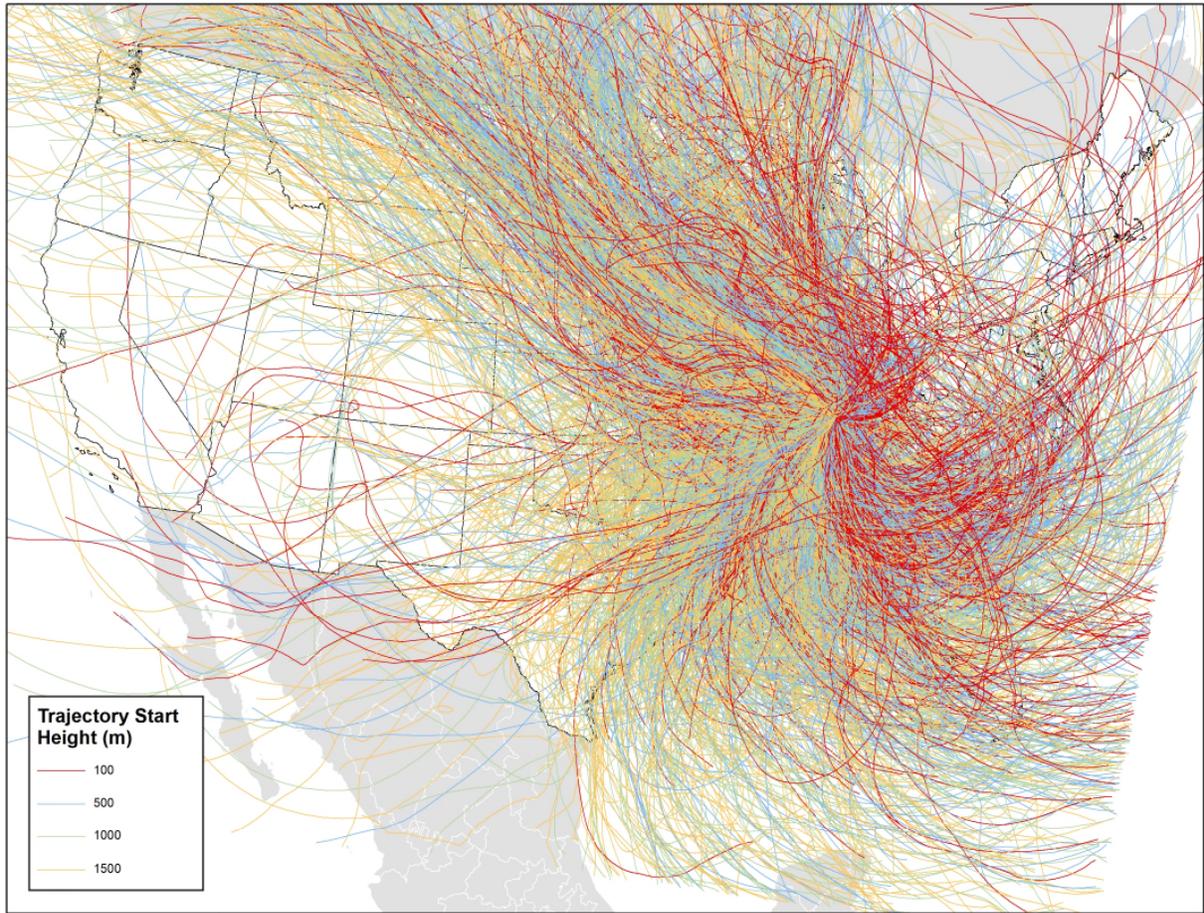


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Mammoth Cave National Park

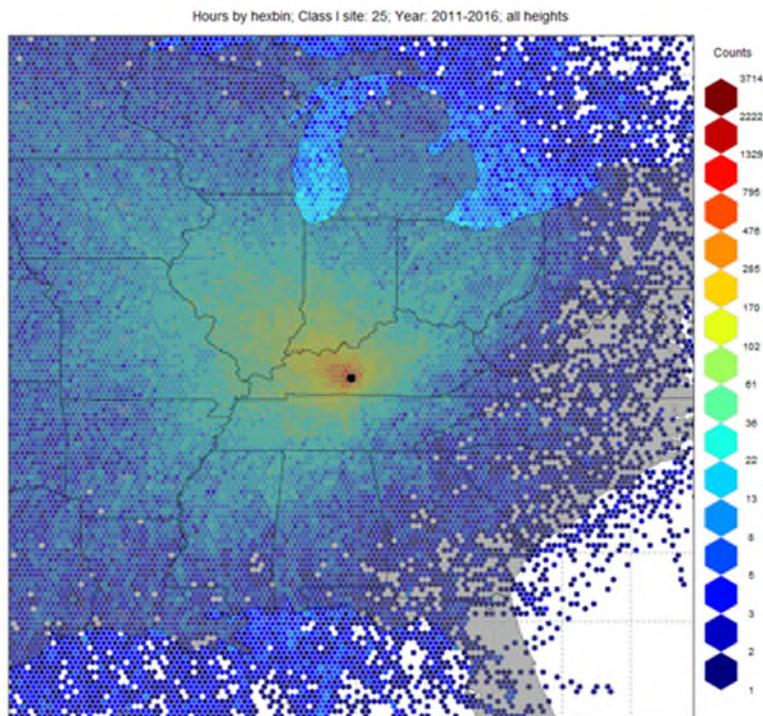
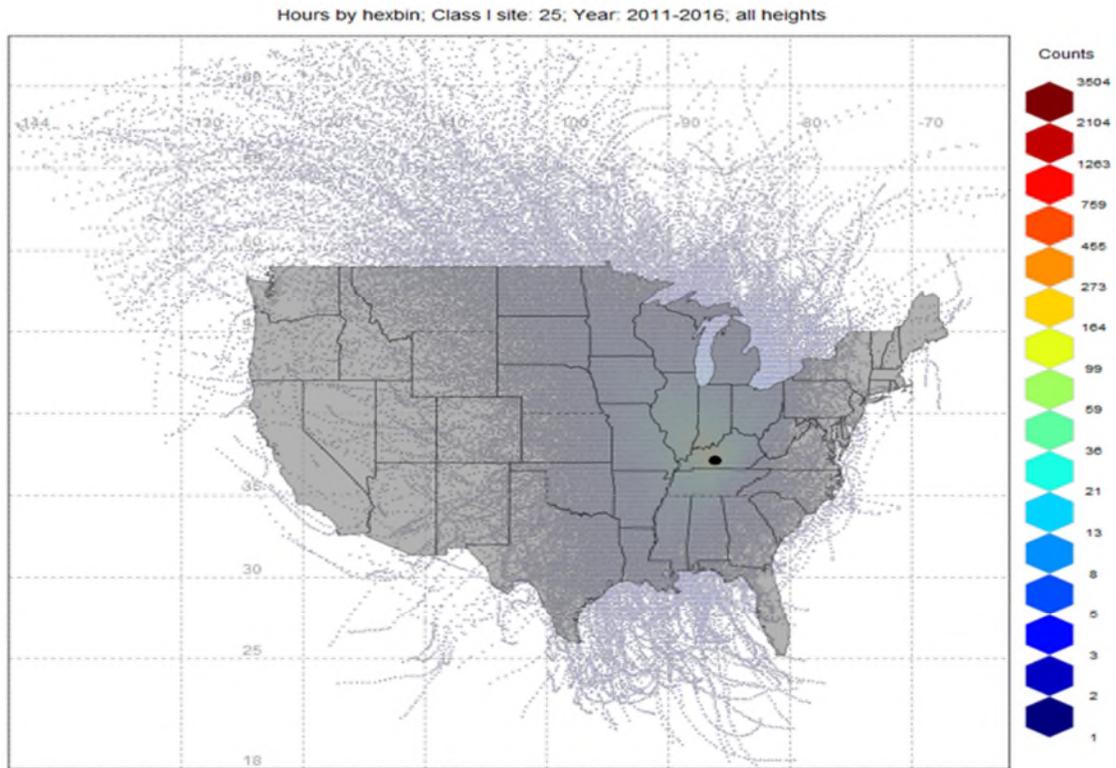


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Mammoth Cave National Park – Full View (top) and Class I Zoom (bottom)

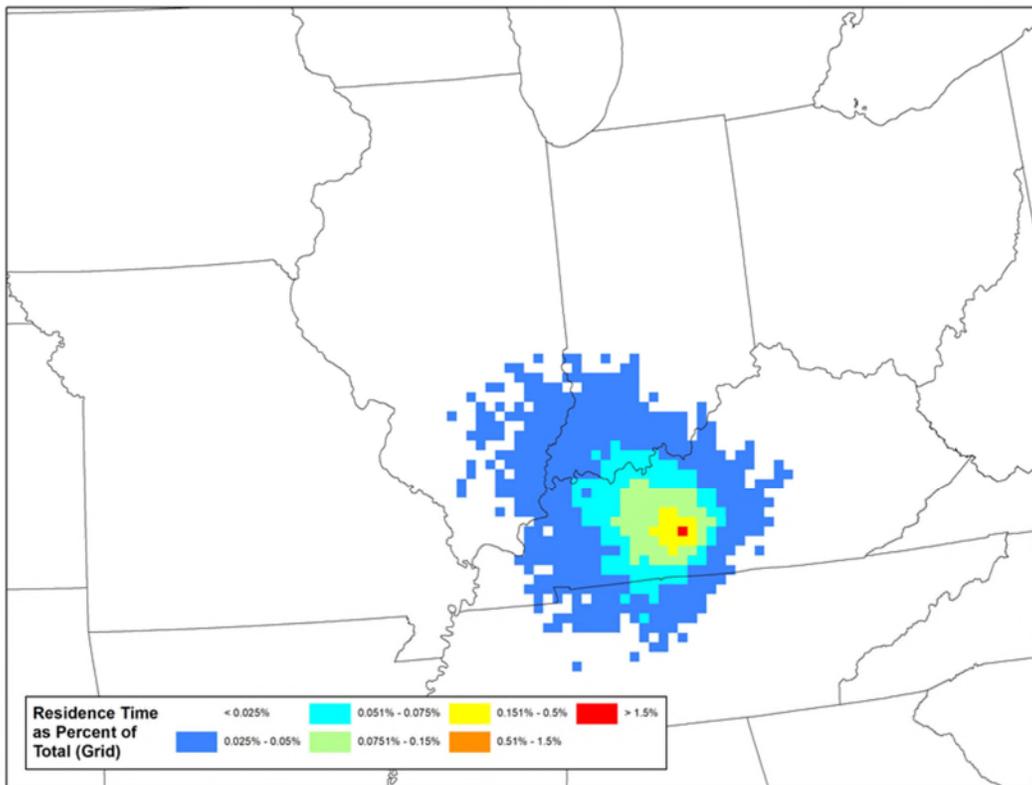
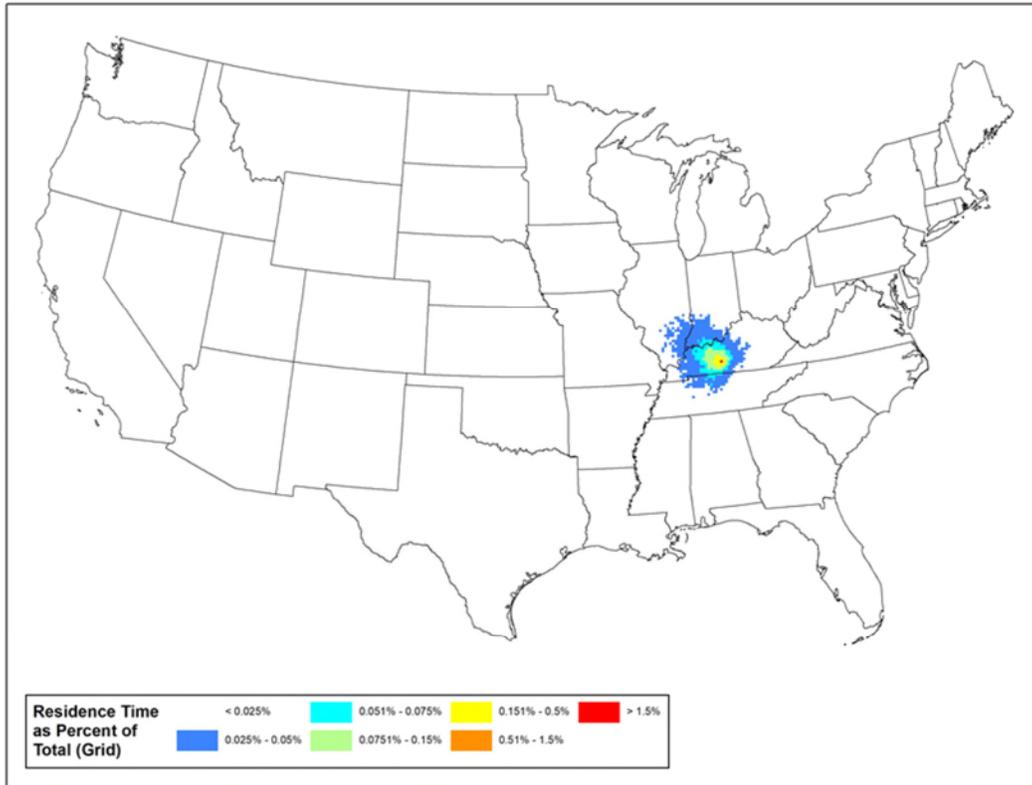


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Mammoth Cave National Park – Full View (top) and Class I Zoom (bottom))

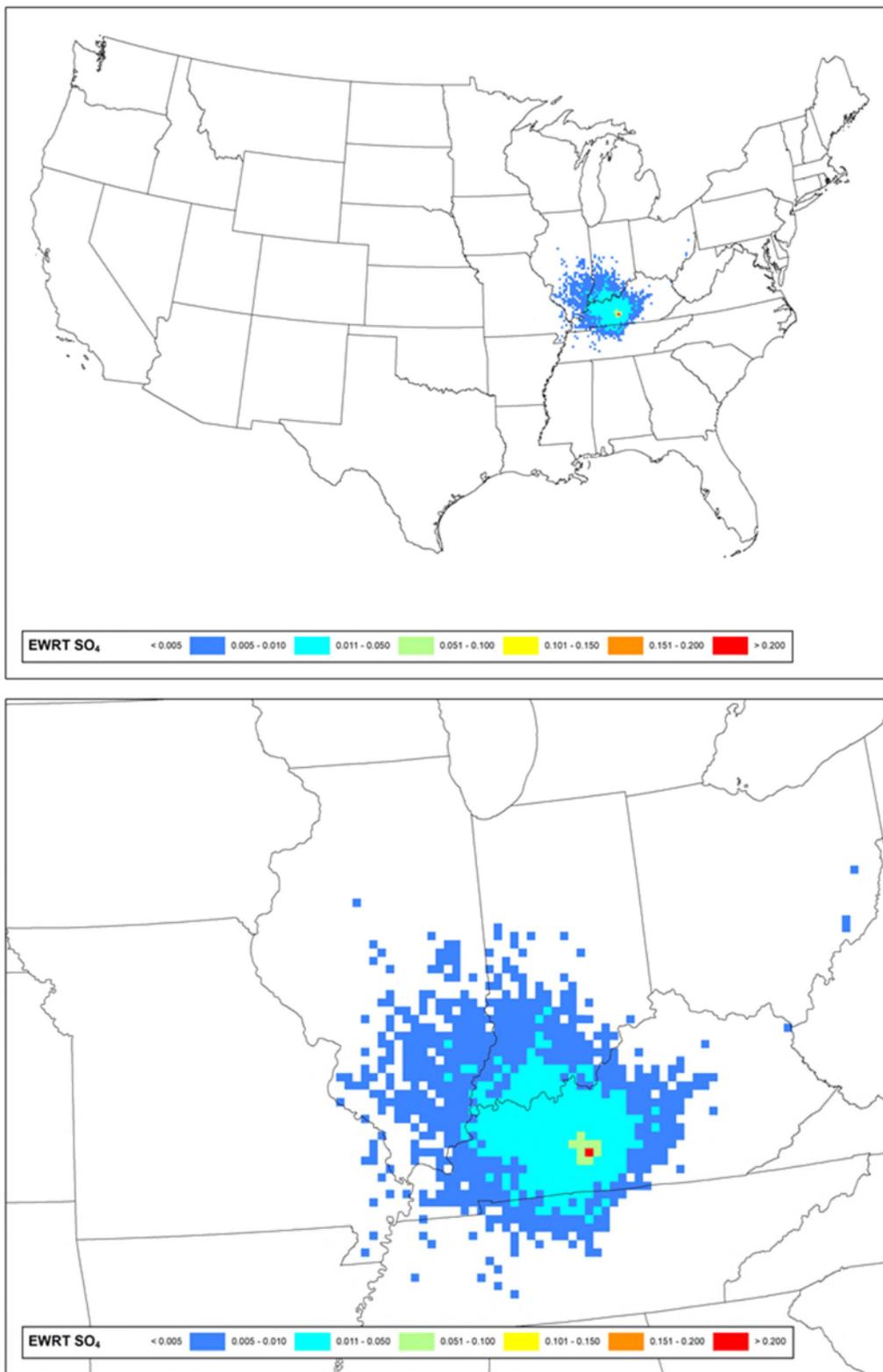


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Mammoth Cave National Park - Full View (top) and Class I Zoom (bottom)

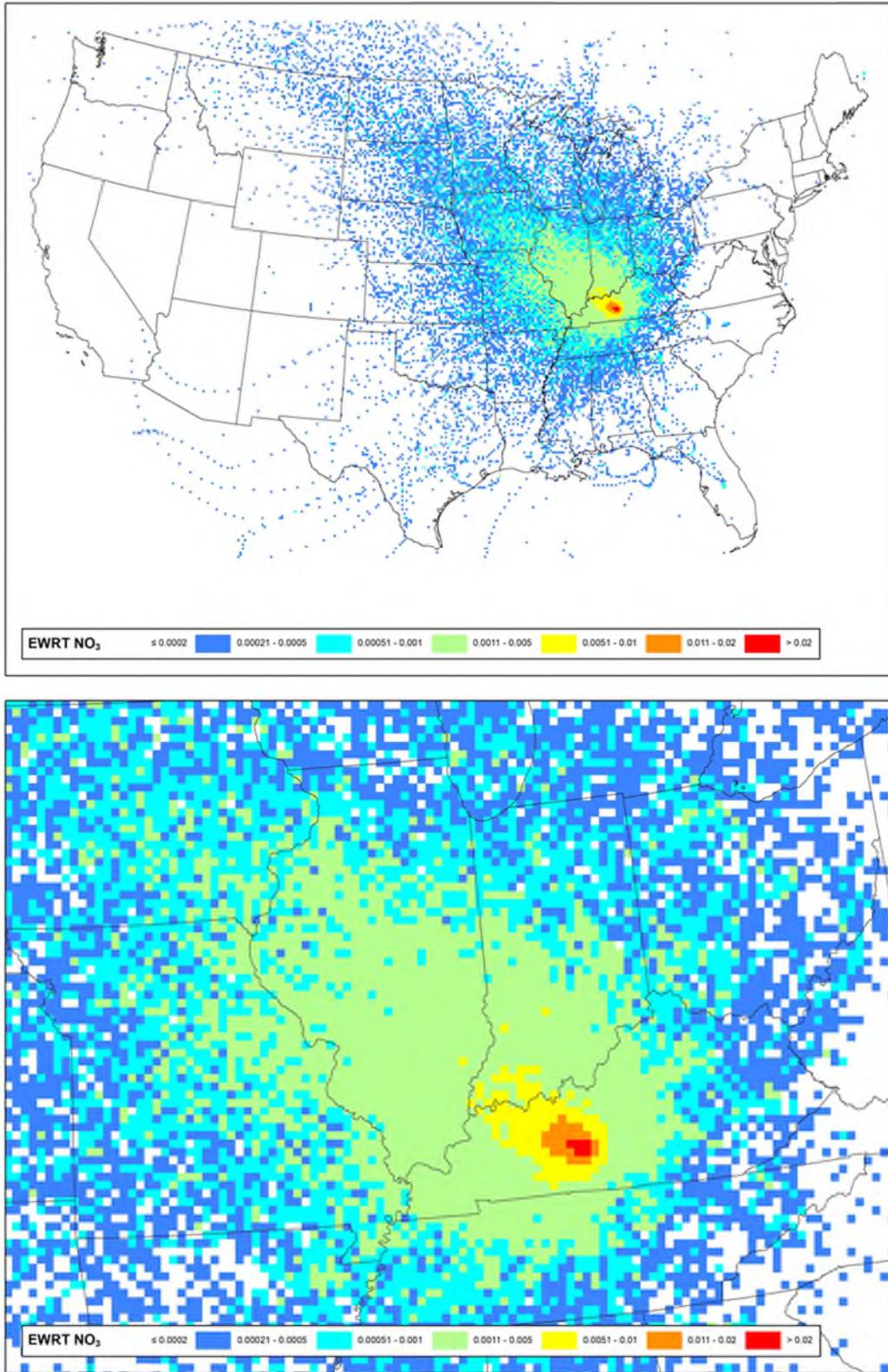


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Mammoth Cave National Park - Full View (top) and Class I Zoom (bottom)

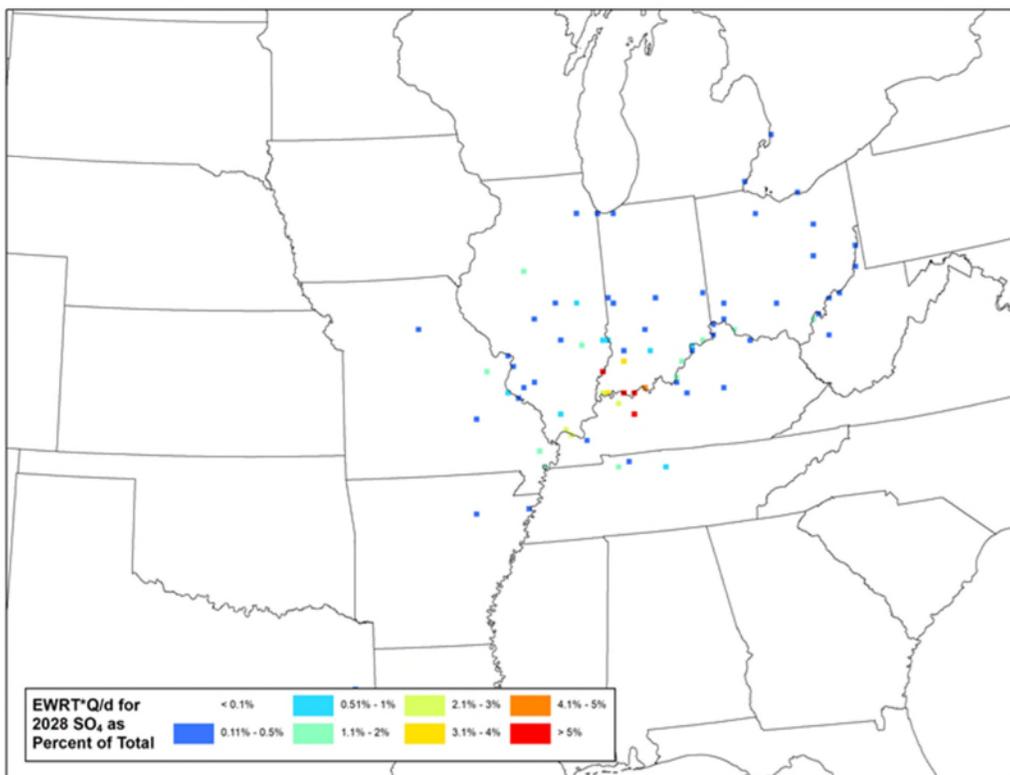
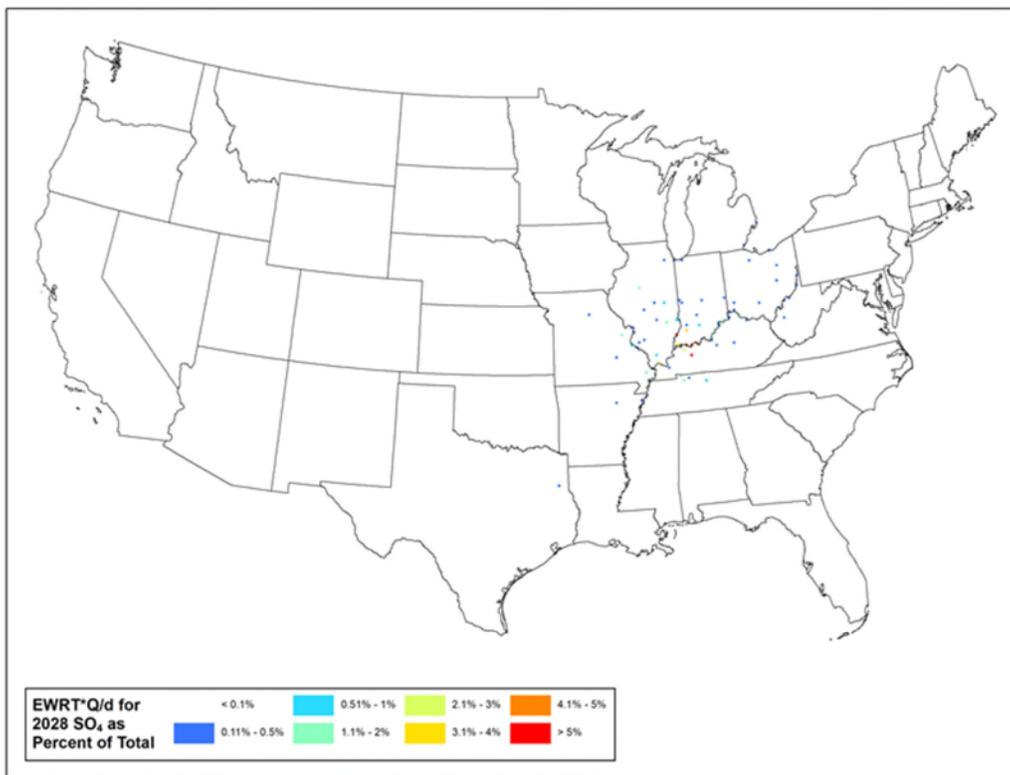


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Mammoth Cave National Park – Full View (top) and Class I Zoom (bottom)

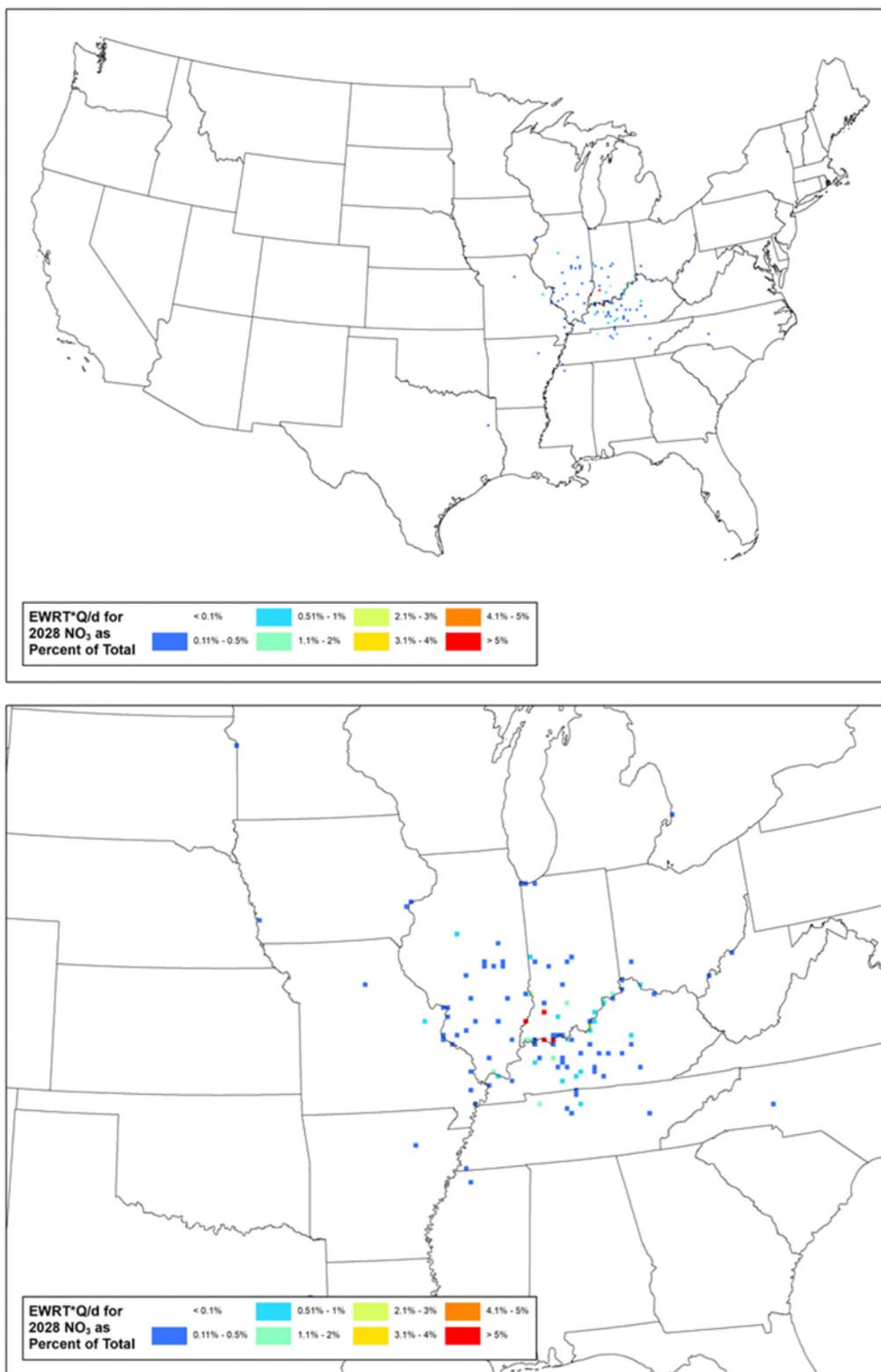


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Mammoth Cave National Park– Full View (top) and Class I Zoom (bottom)

Mingo Wilderness Area

Class1 site: 26 Year: 2011-2016 Height: 100.00

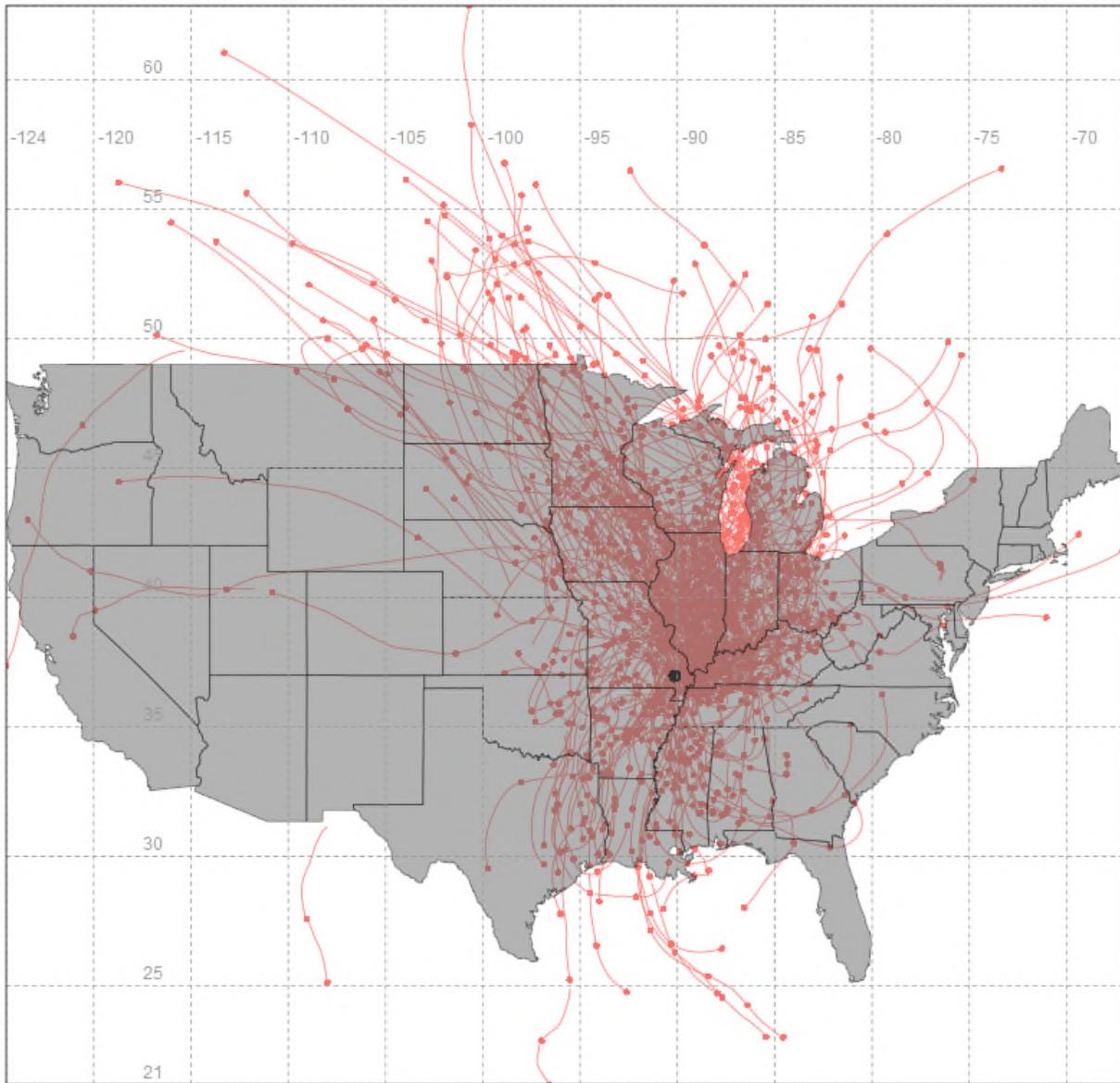


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Mingo Wilderness Area

Class1 site: 26 Year: 2011-2016 Height: 100.00

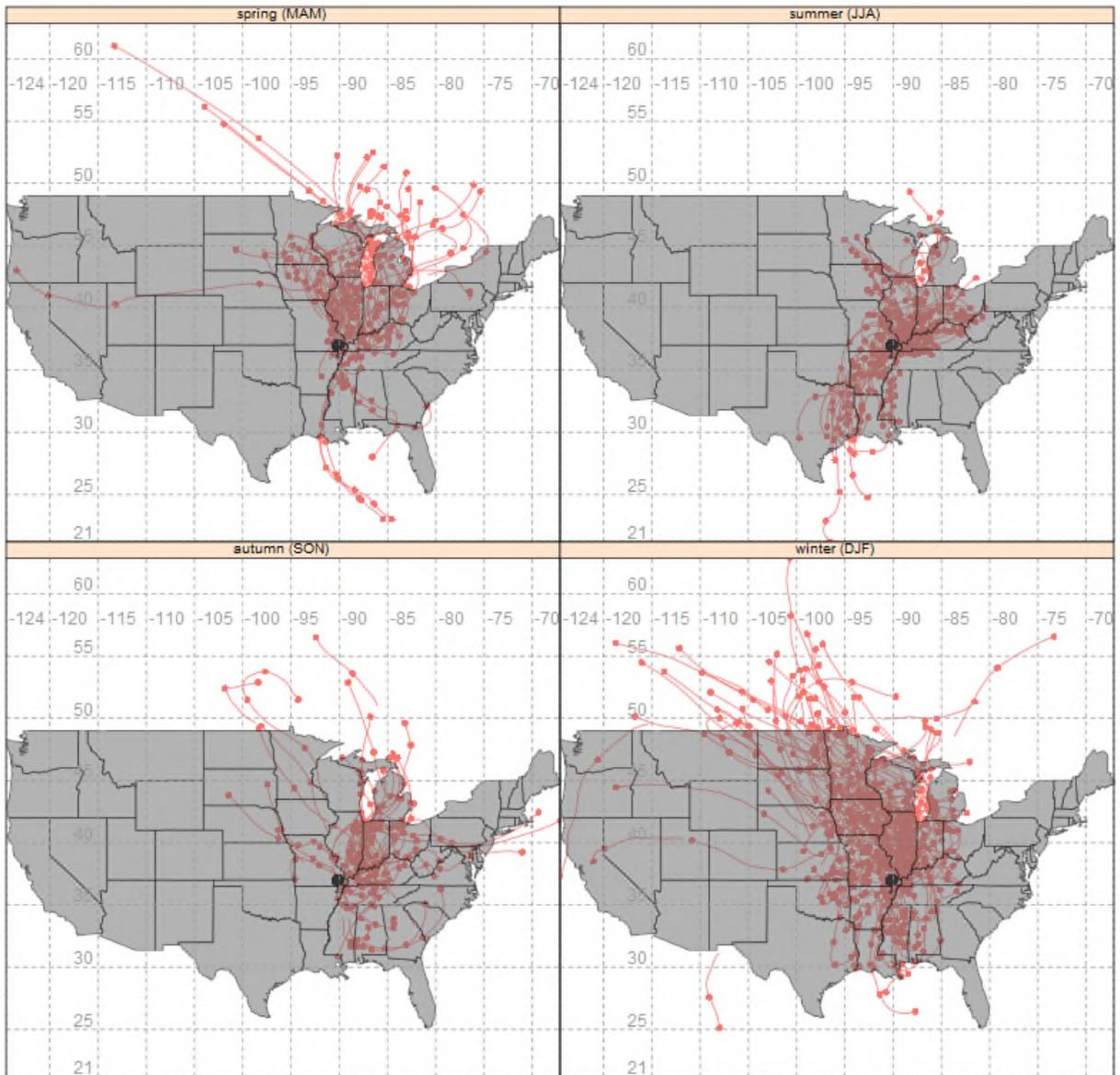


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Mingo Wilderness Area

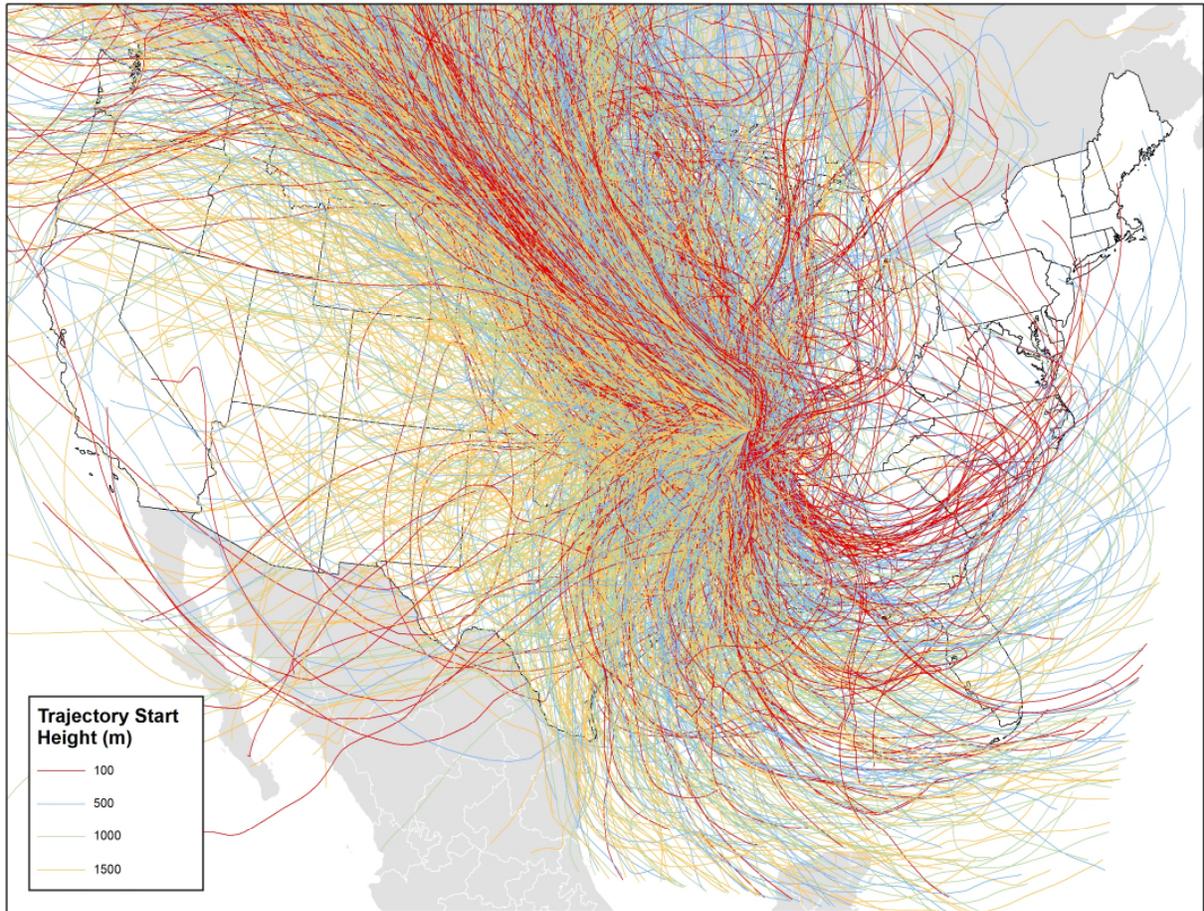


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Mingo Wilderness Area

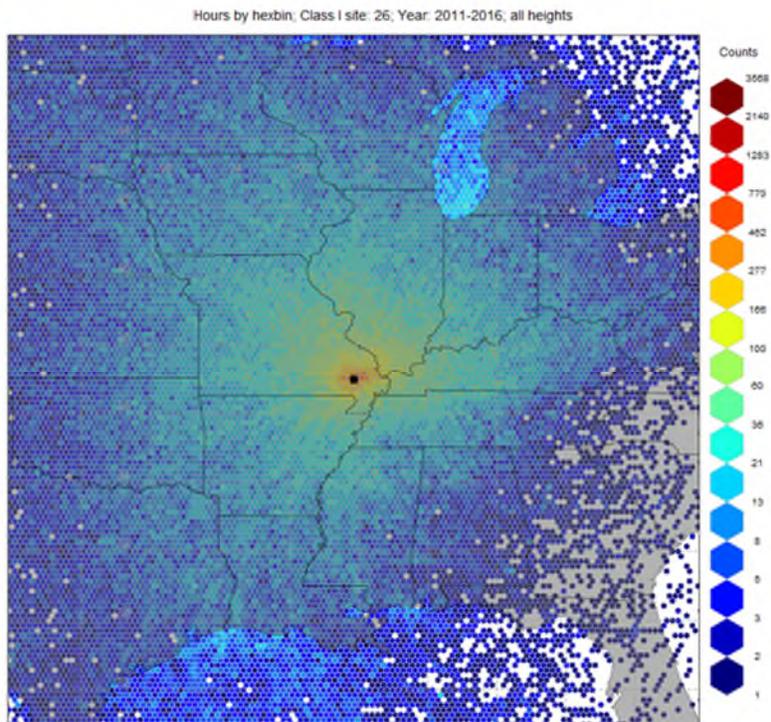
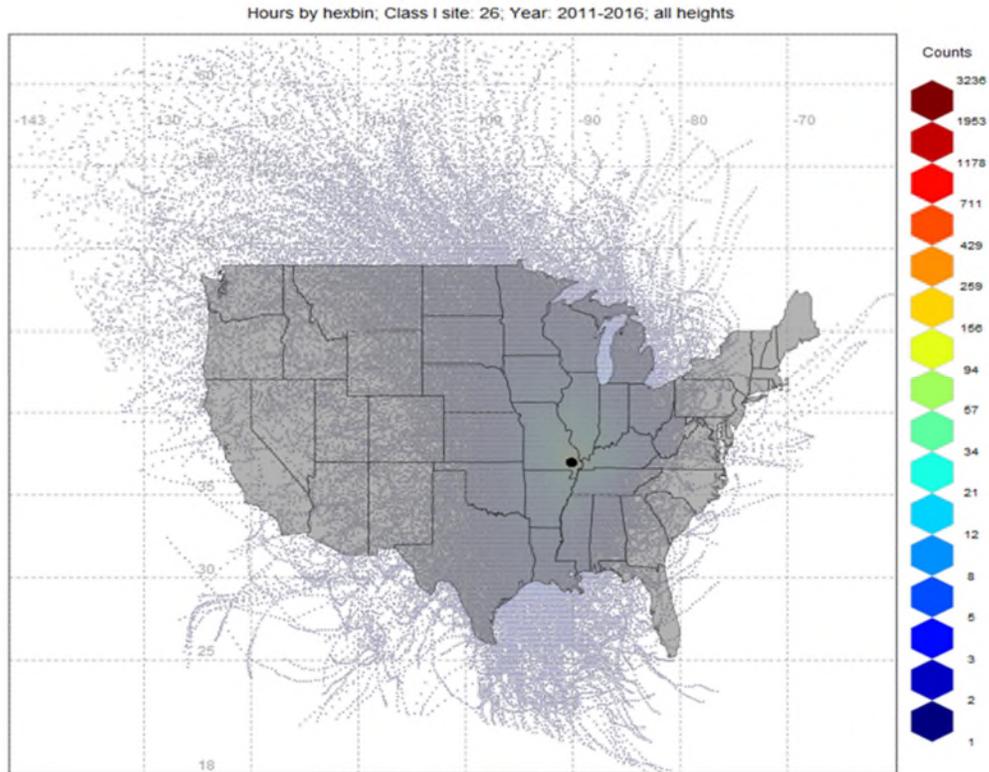


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Mingo Wilderness Area – Full View (top) and Class I Zoom (bottom)

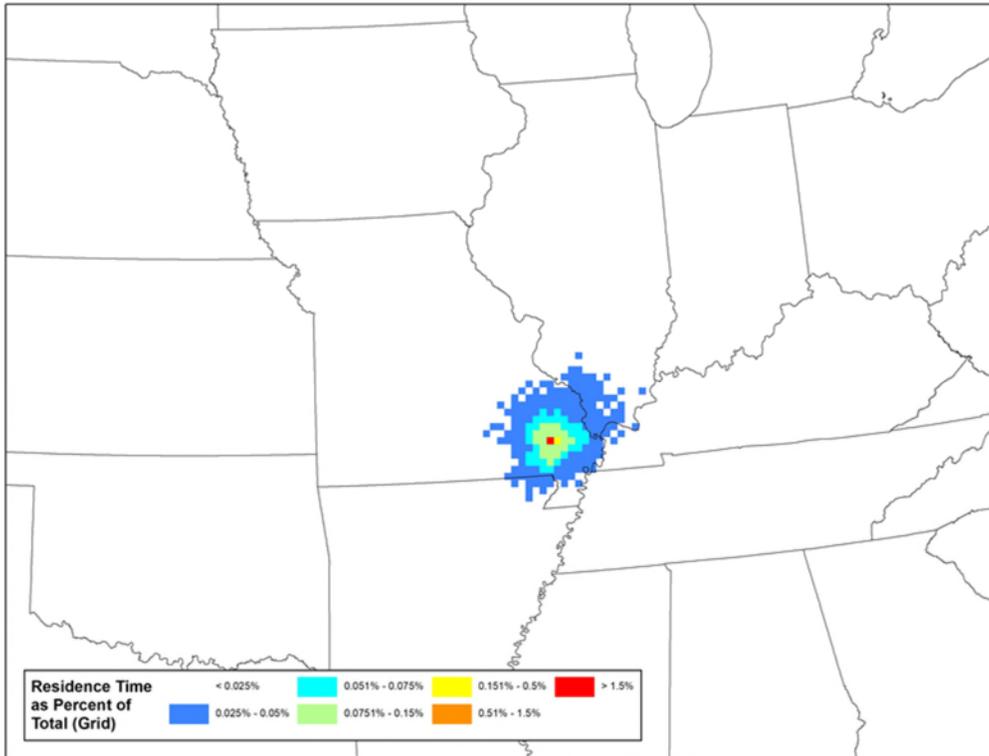
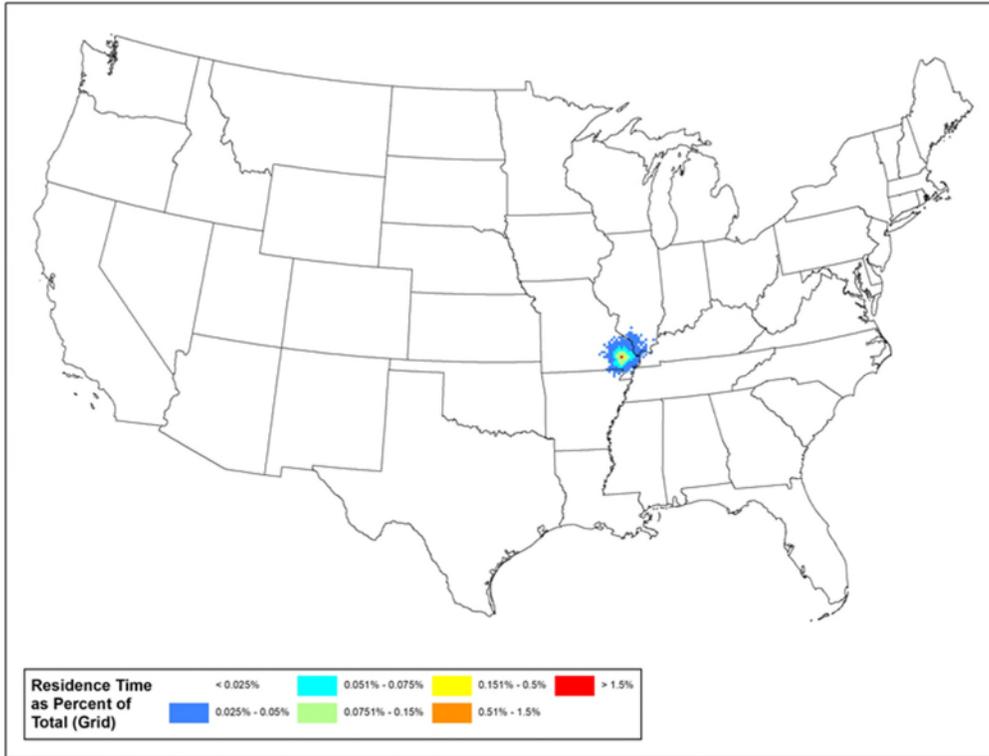


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Mingo Wilderness Area – Full View (top) and Class I Zoom (bottom))

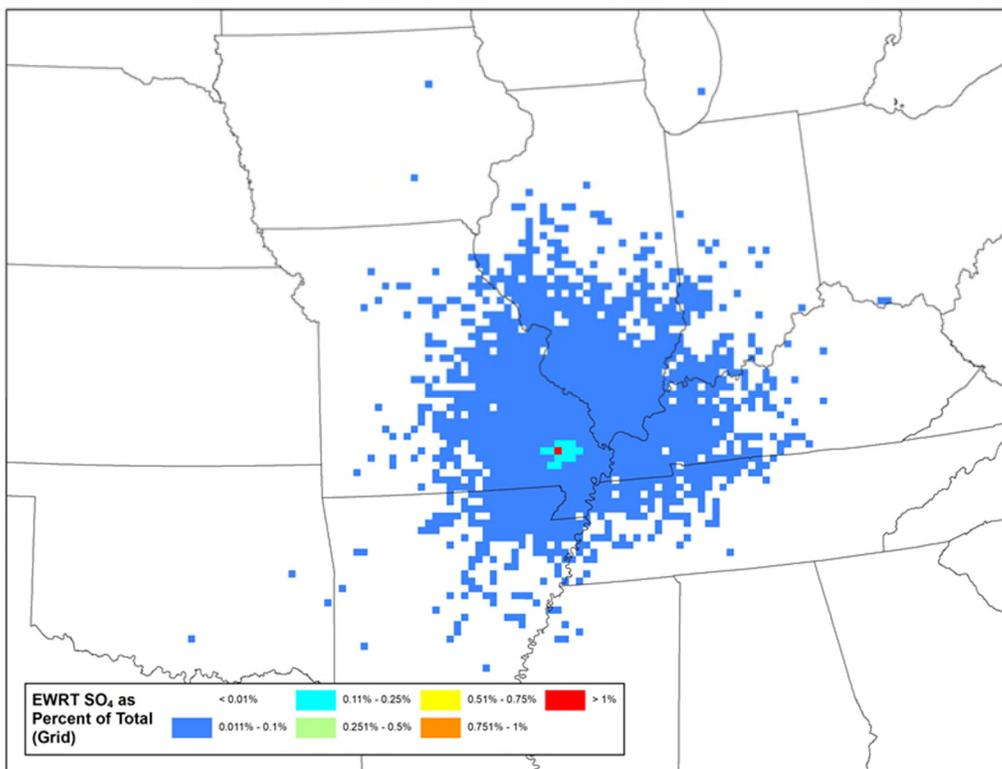
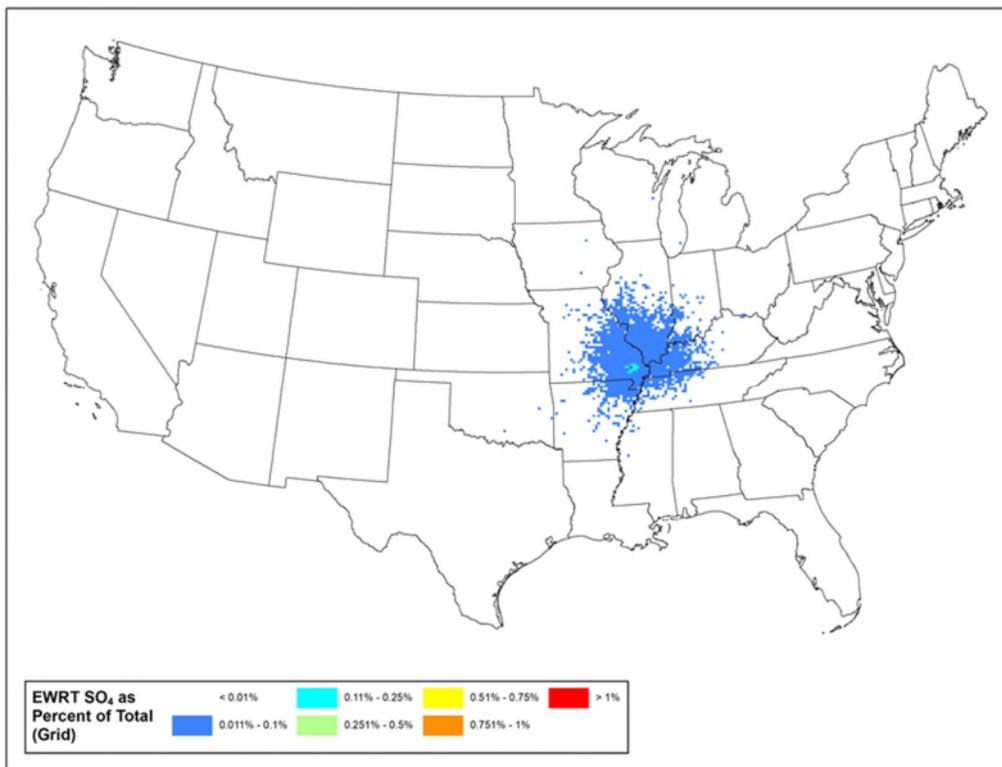


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Mingo Wilderness Area - Full View (top) and Class I Zoom (bottom)

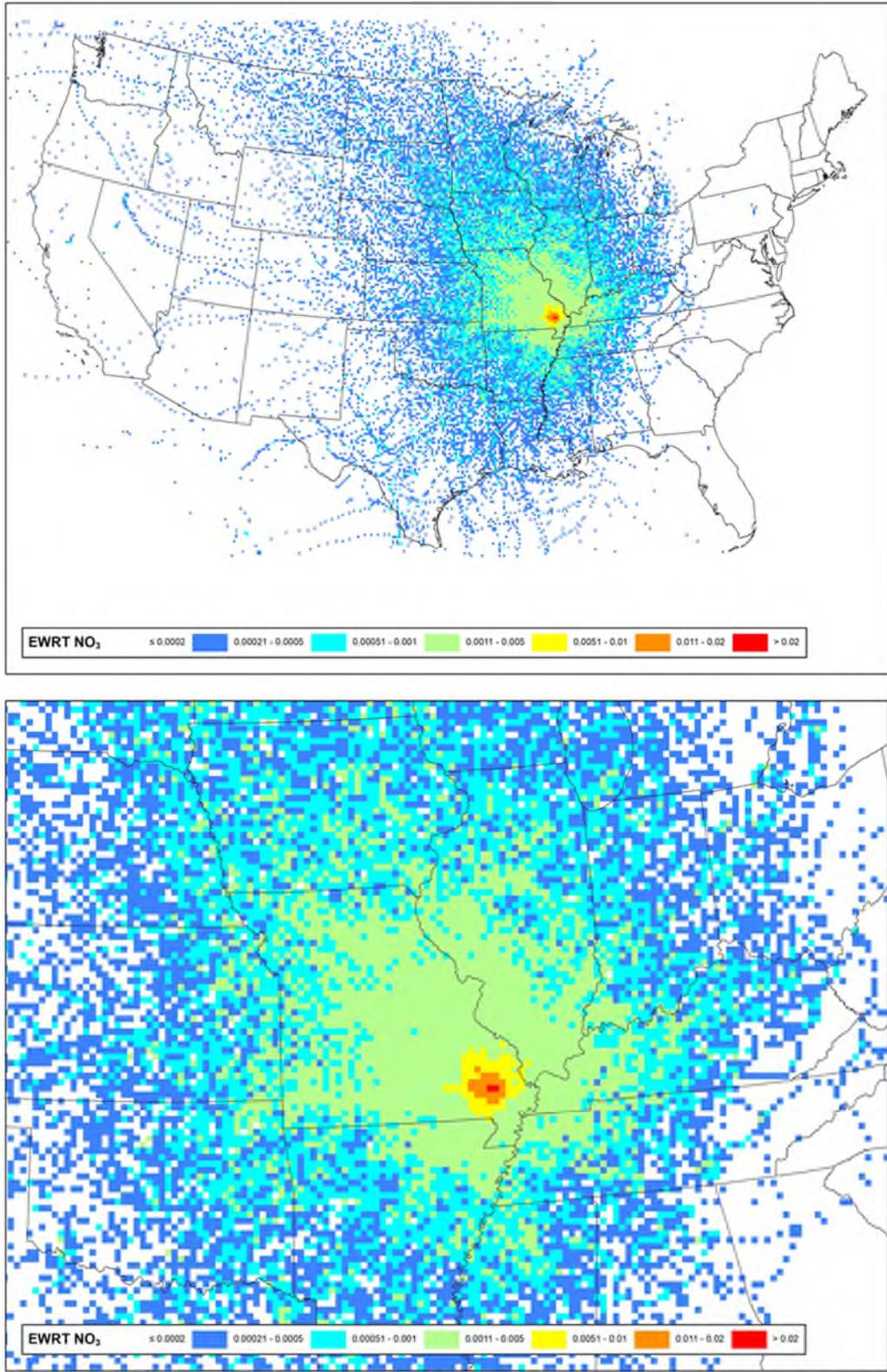


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Mingo Wilderness Area - Full View (top) and Class I Zoom (bottom)

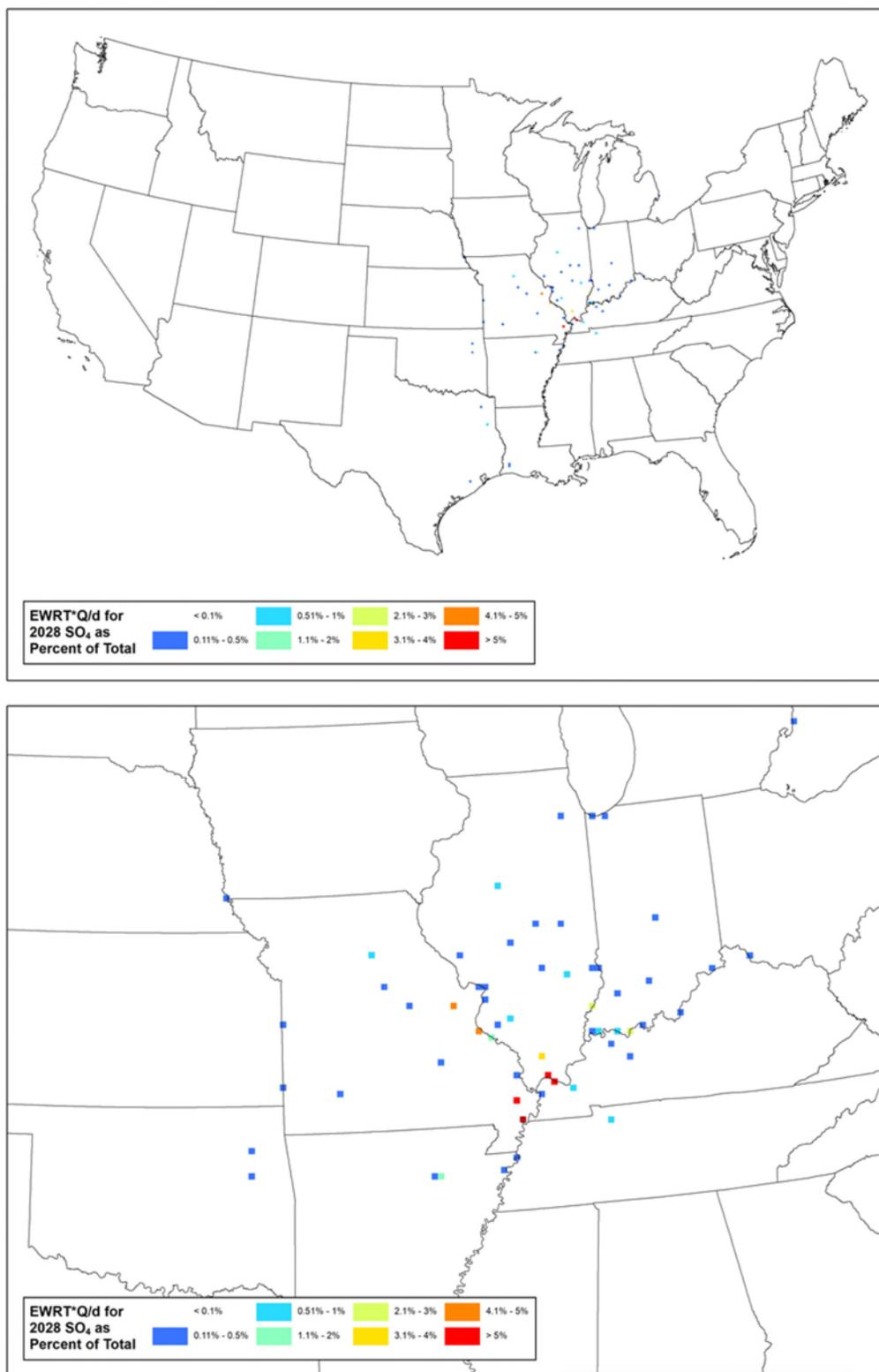


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Mingo Wilderness Area – Full View (top) and Class I Zoom (bottom)

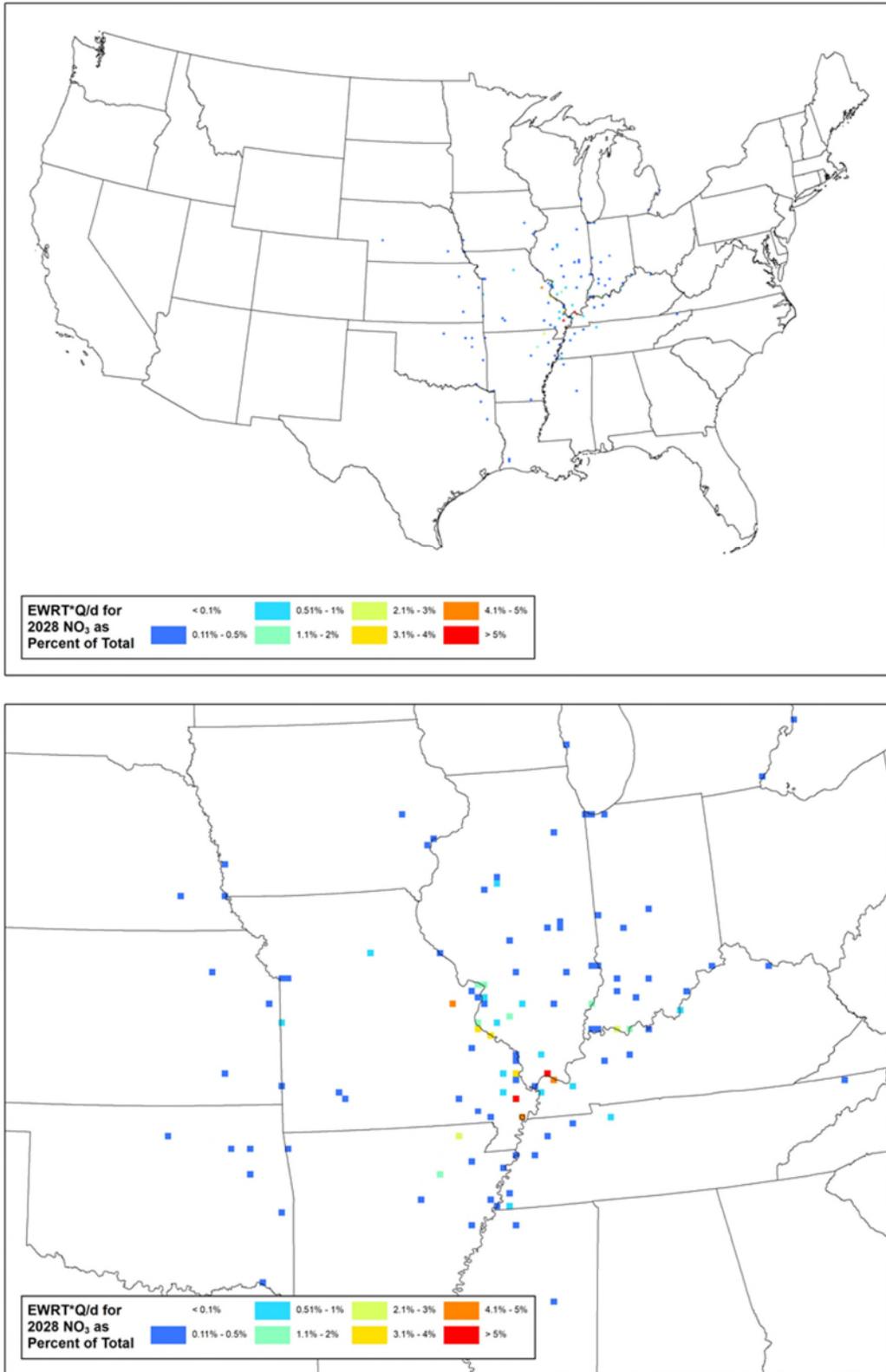


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Mingo Wilderness Area– Full View (top) and Class I Zoom (bottom)

Okefenokee Wilderness Area

Class1 site: 28 Year: 2011-2016 Height: 100.00

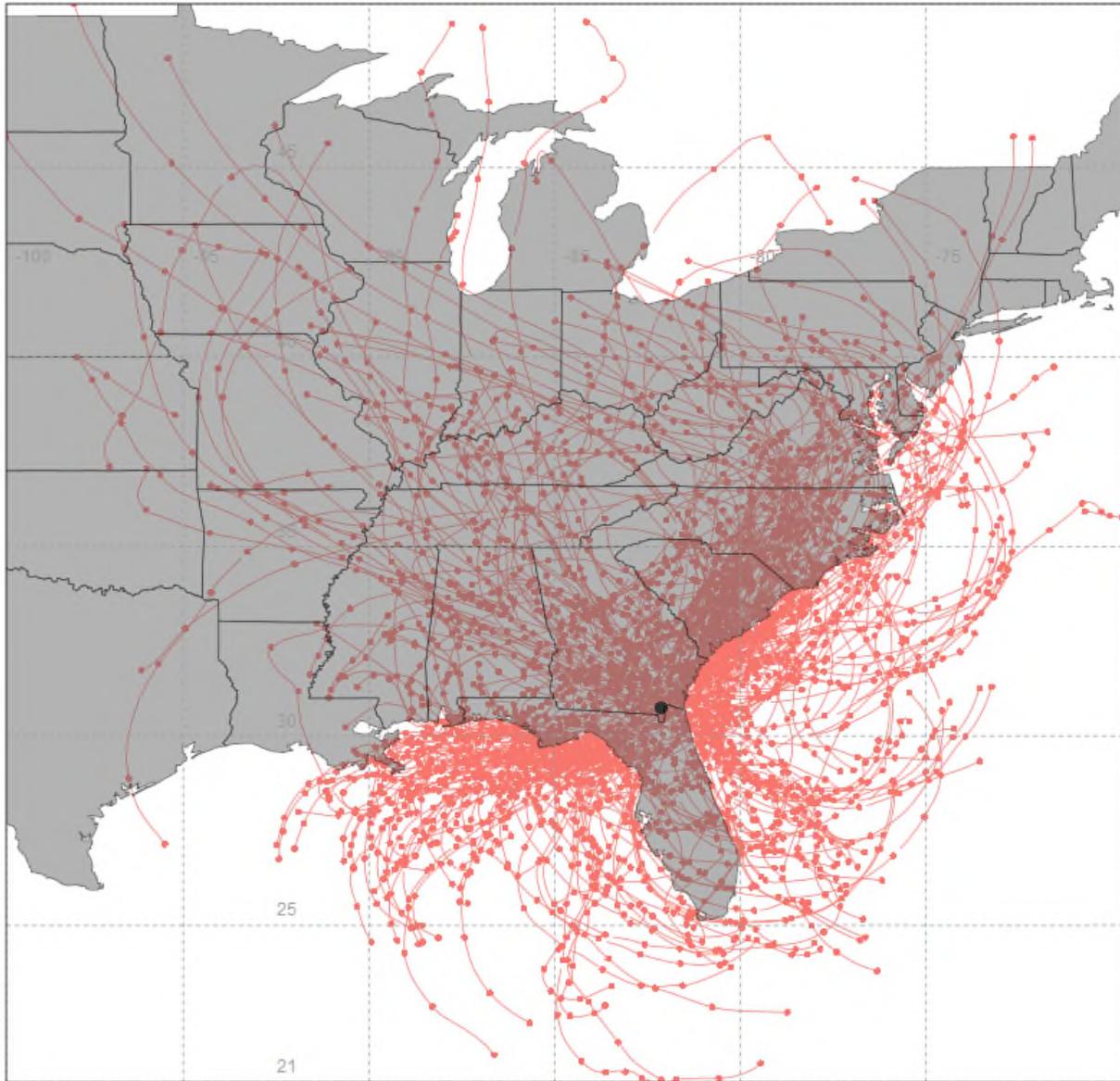


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Okefenokee Wilderness Area

Class1 site: 28 Year: 2011-2016 Height: 100.00

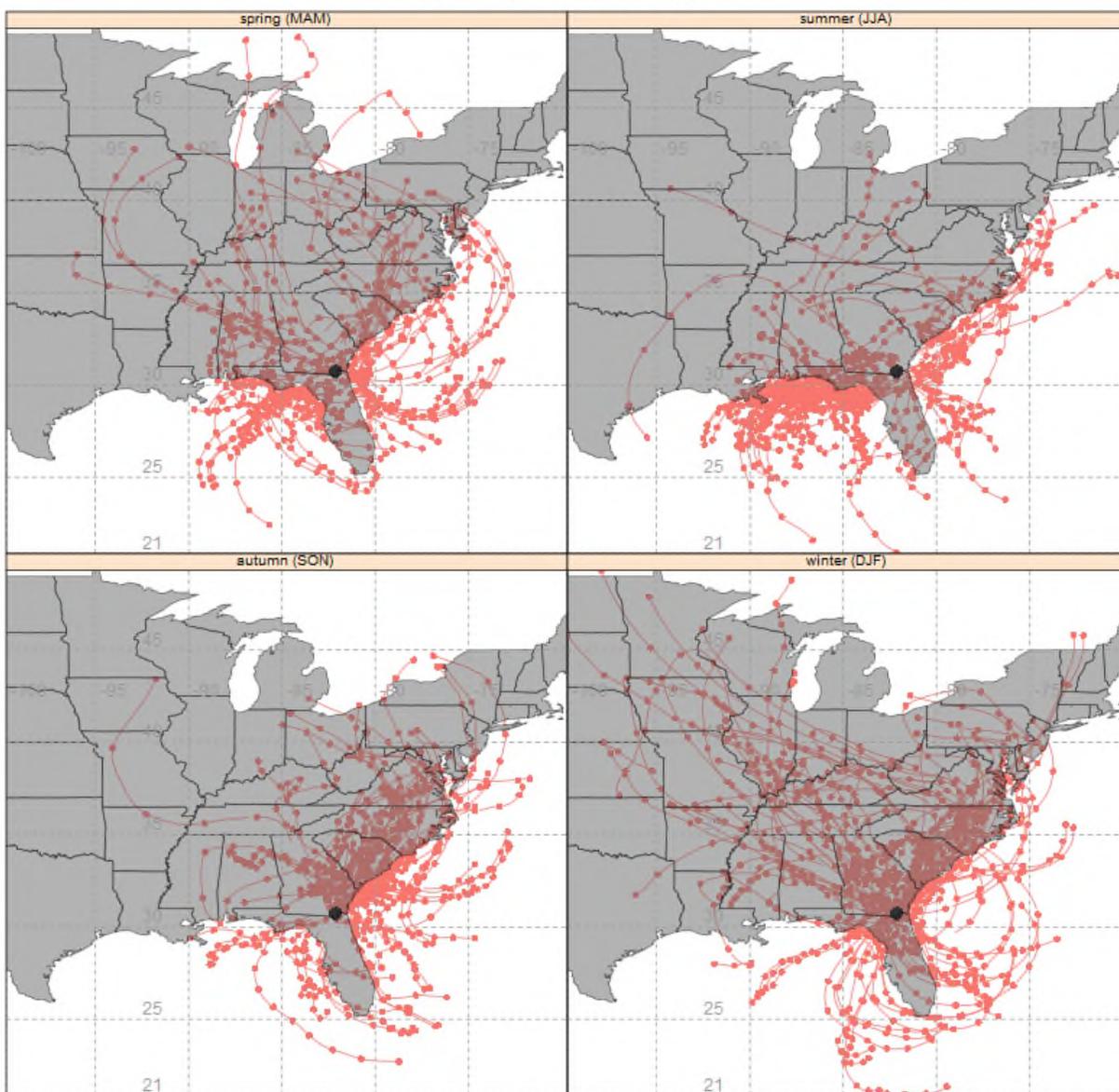


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Okefenokee Wilderness Area

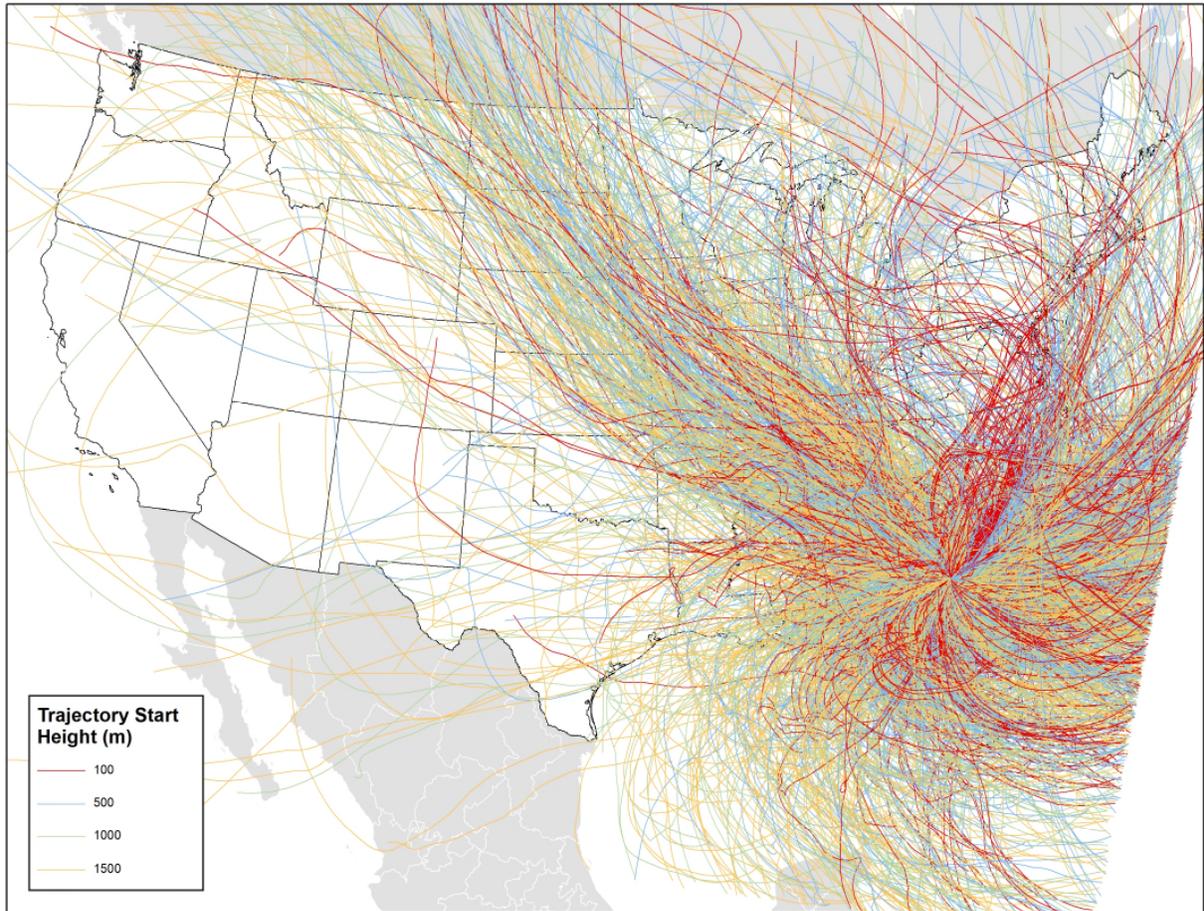


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Okefenokee Wilderness Area

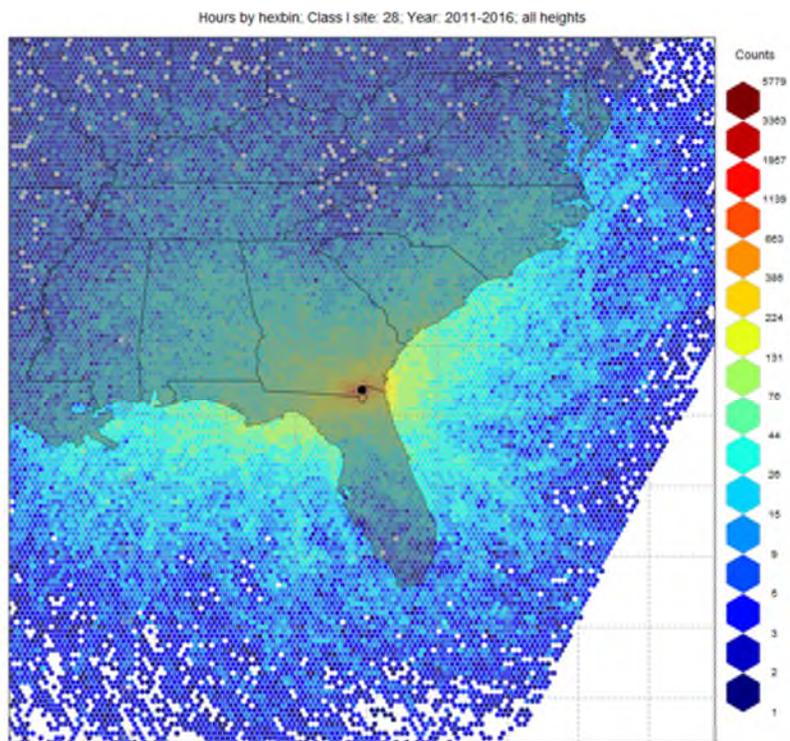
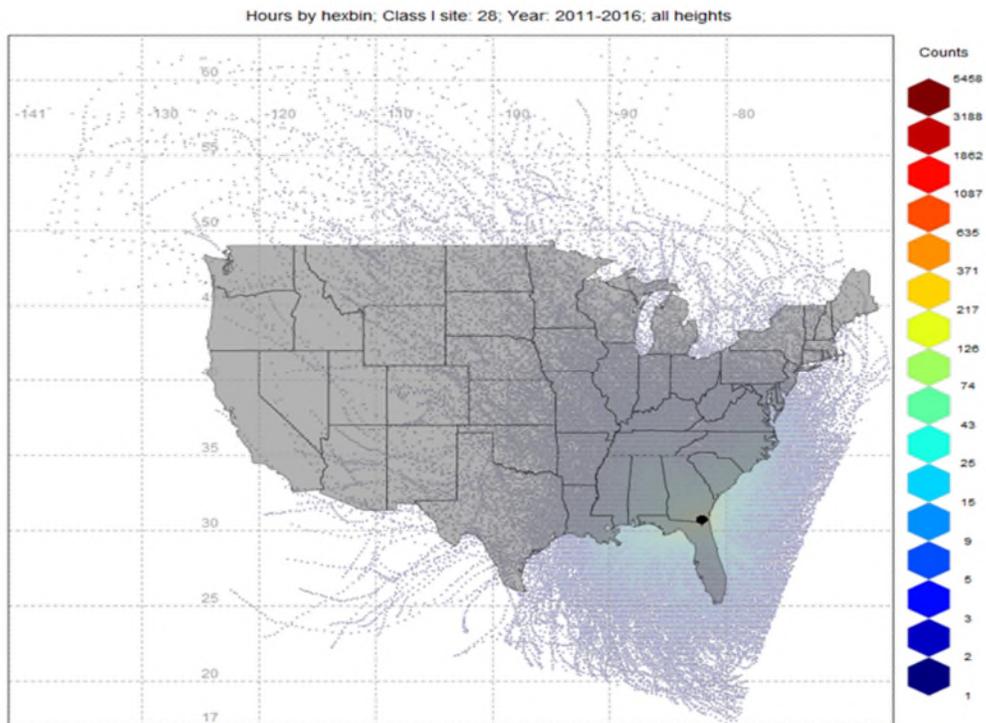


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Okefenokee Wilderness Area – Full View (top) and Class I Zoom (bottom)

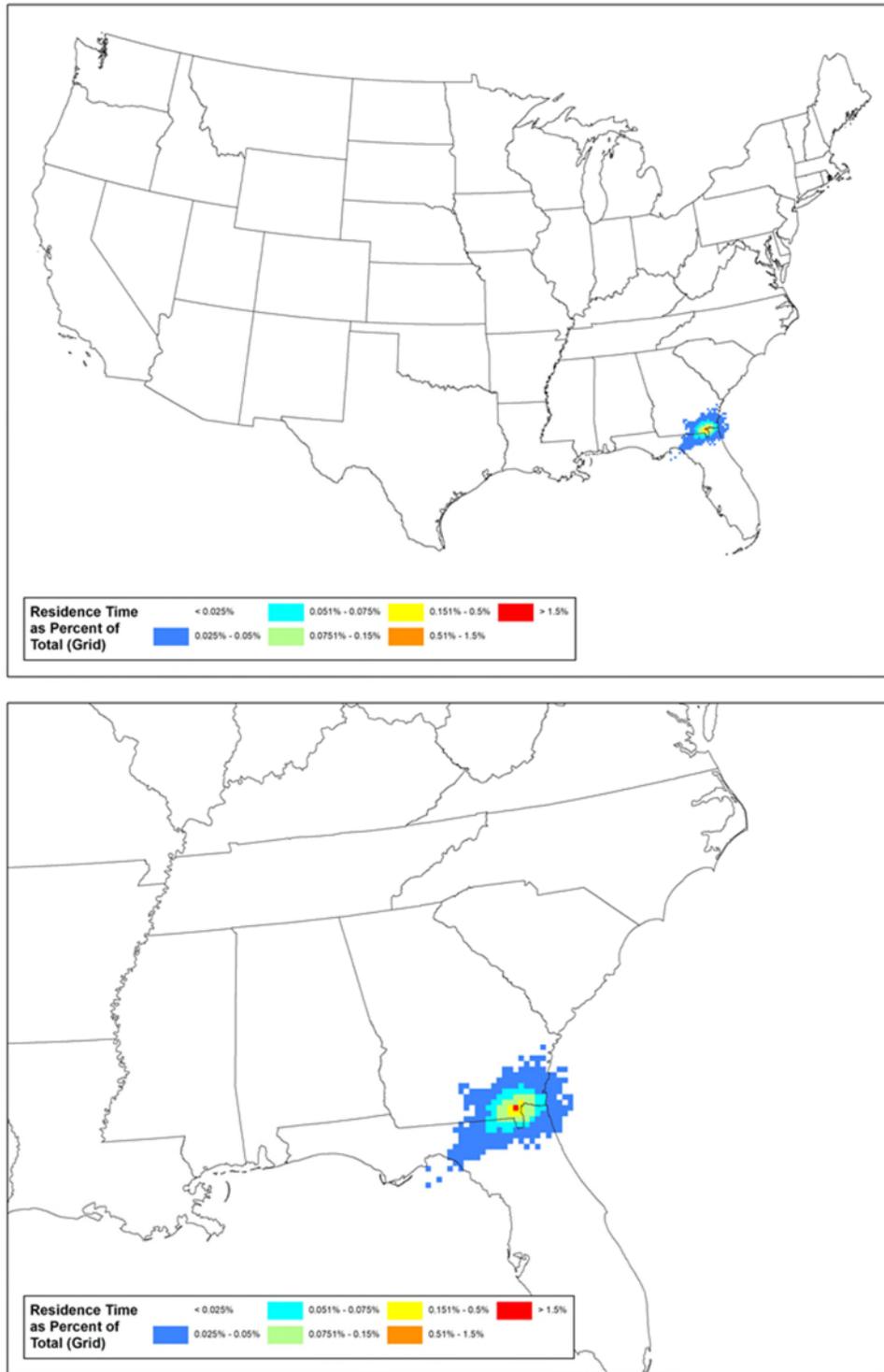


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Okefenokee Wilderness Area – Full View (top) and Class I Zoom (bottom))

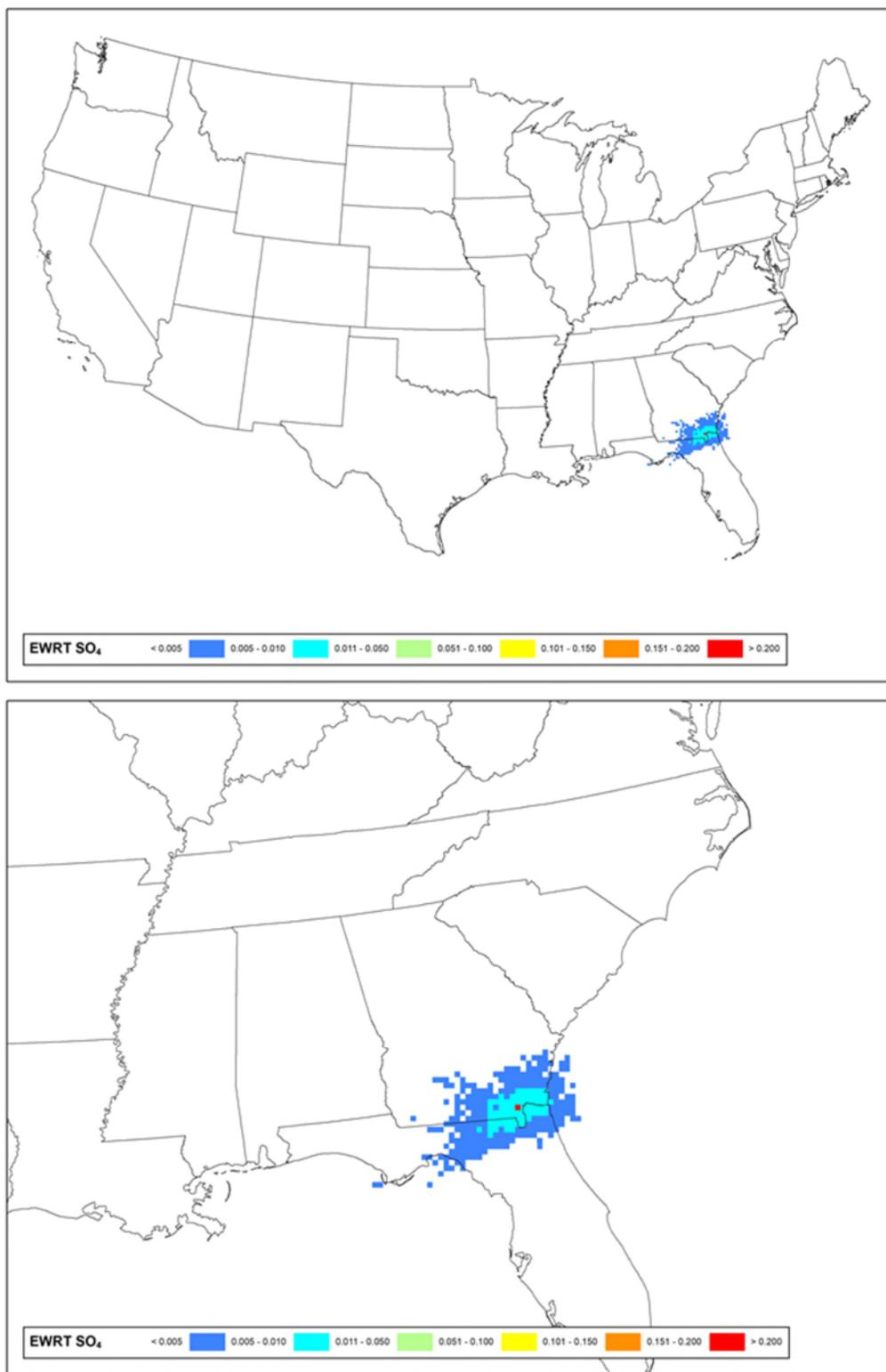


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Okfenokee Wilderness Area - Full View (top) and Class I Zoom (bottom)

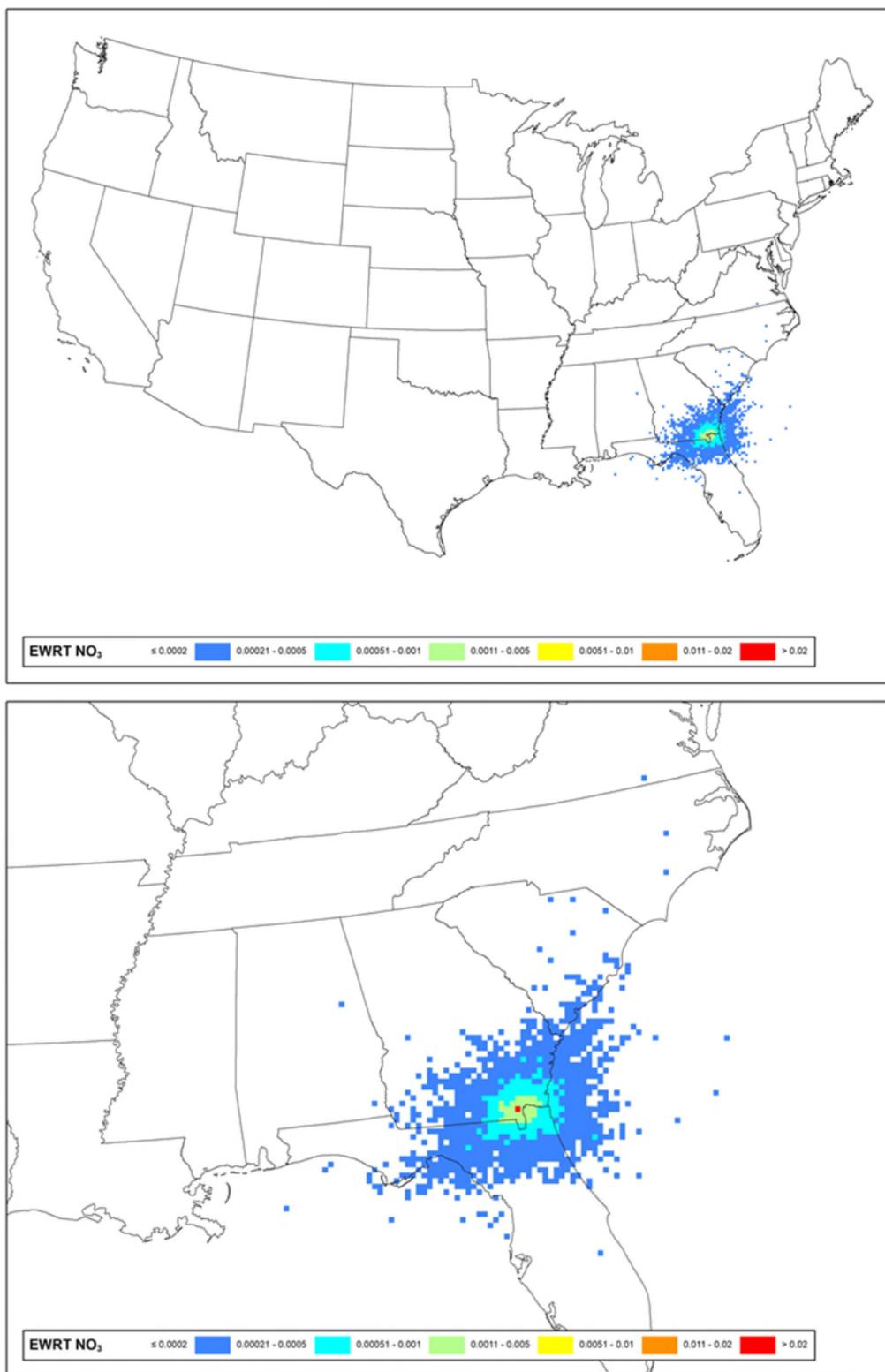


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Okefenokee Wilderness Area - Full View (top) and Class I Zoom (bottom)

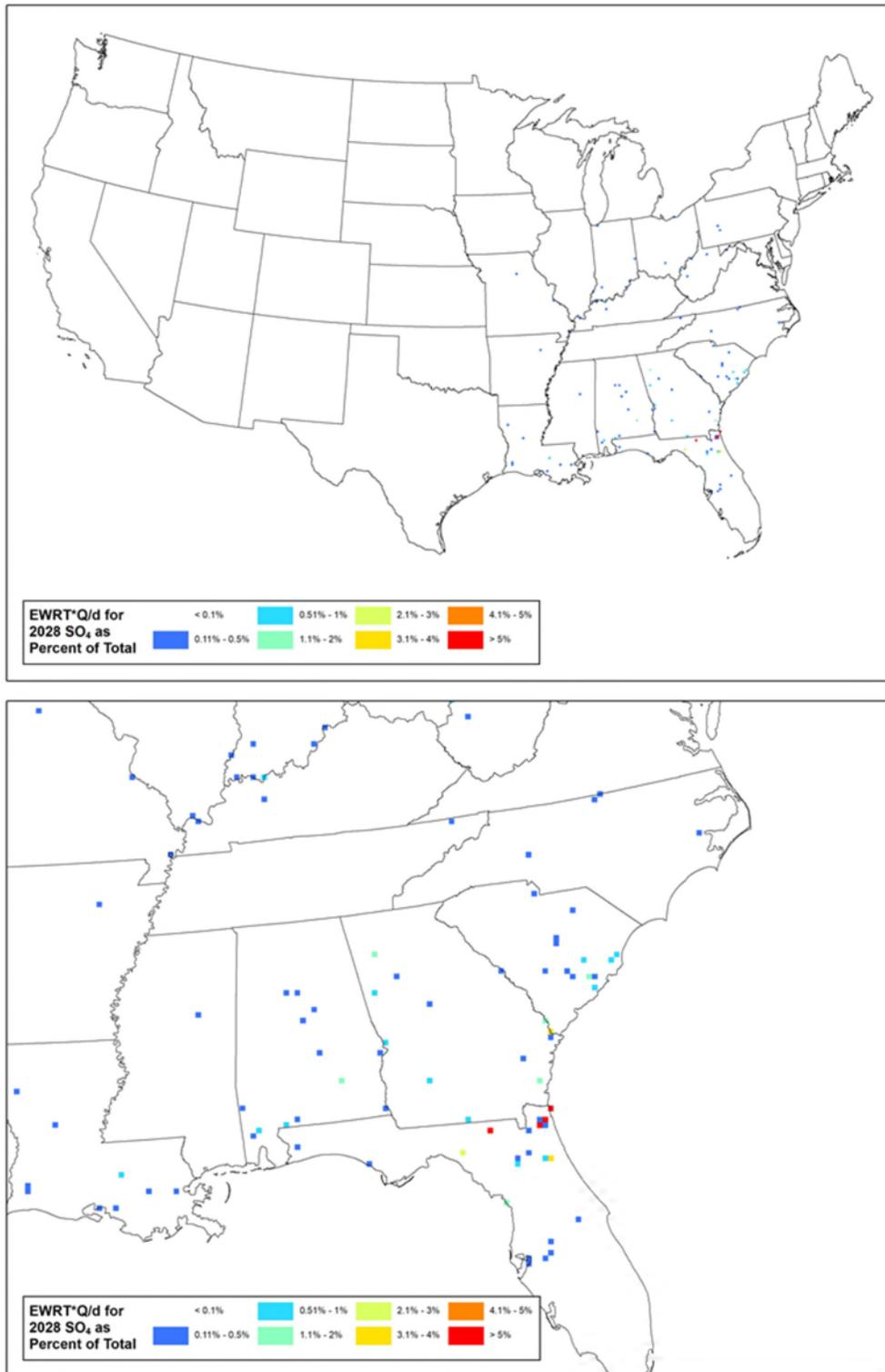


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Okefenokee Wilderness Area – Full View (top) and Class I Zoom (bottom)

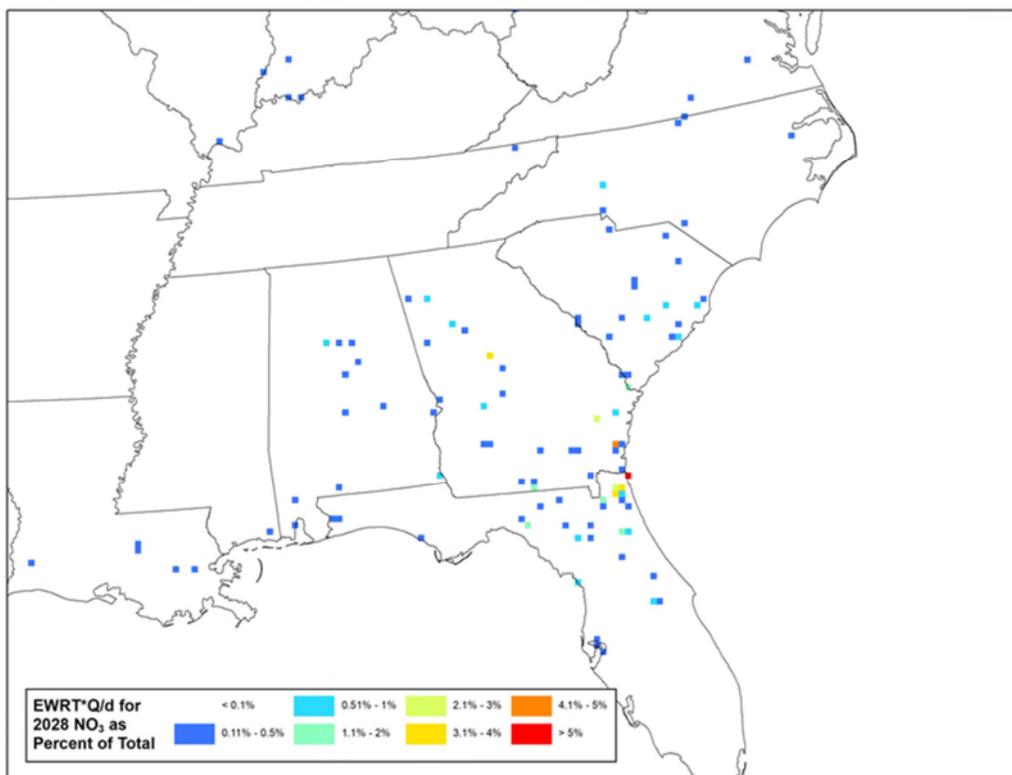
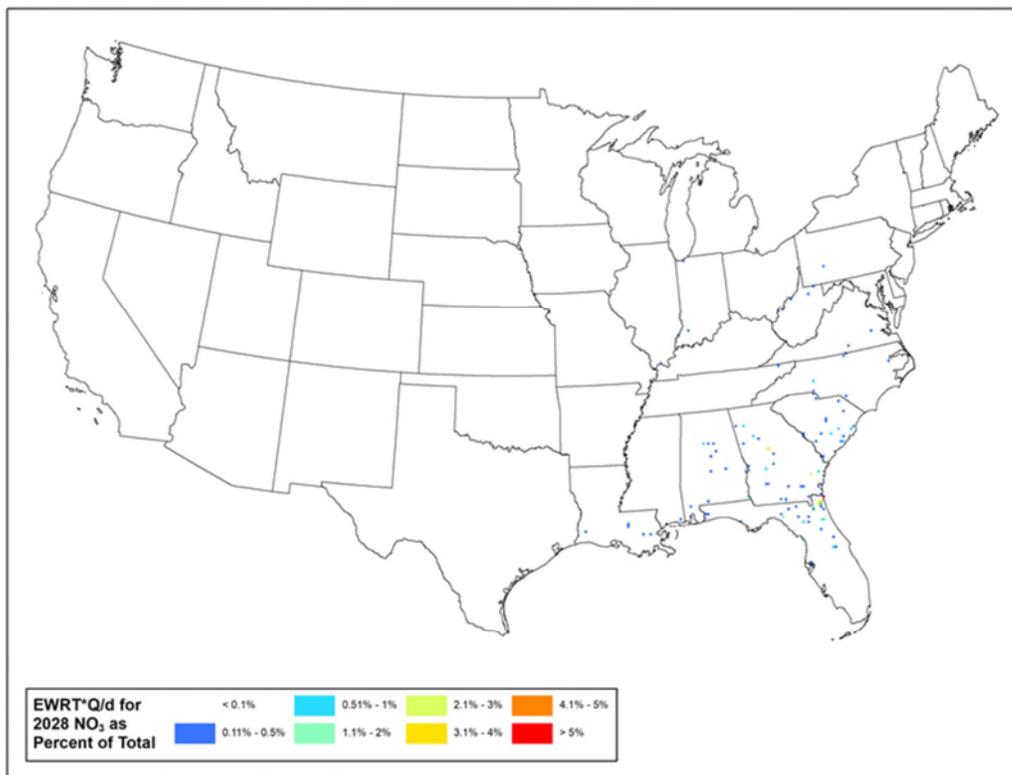


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Okefenokee Wilderness Area – Full View (top) and Class I Zoom (bottom)

Wolf Island Wilderness Area

Class1 site: 29 Year: 2011-2016 Height: 100.00

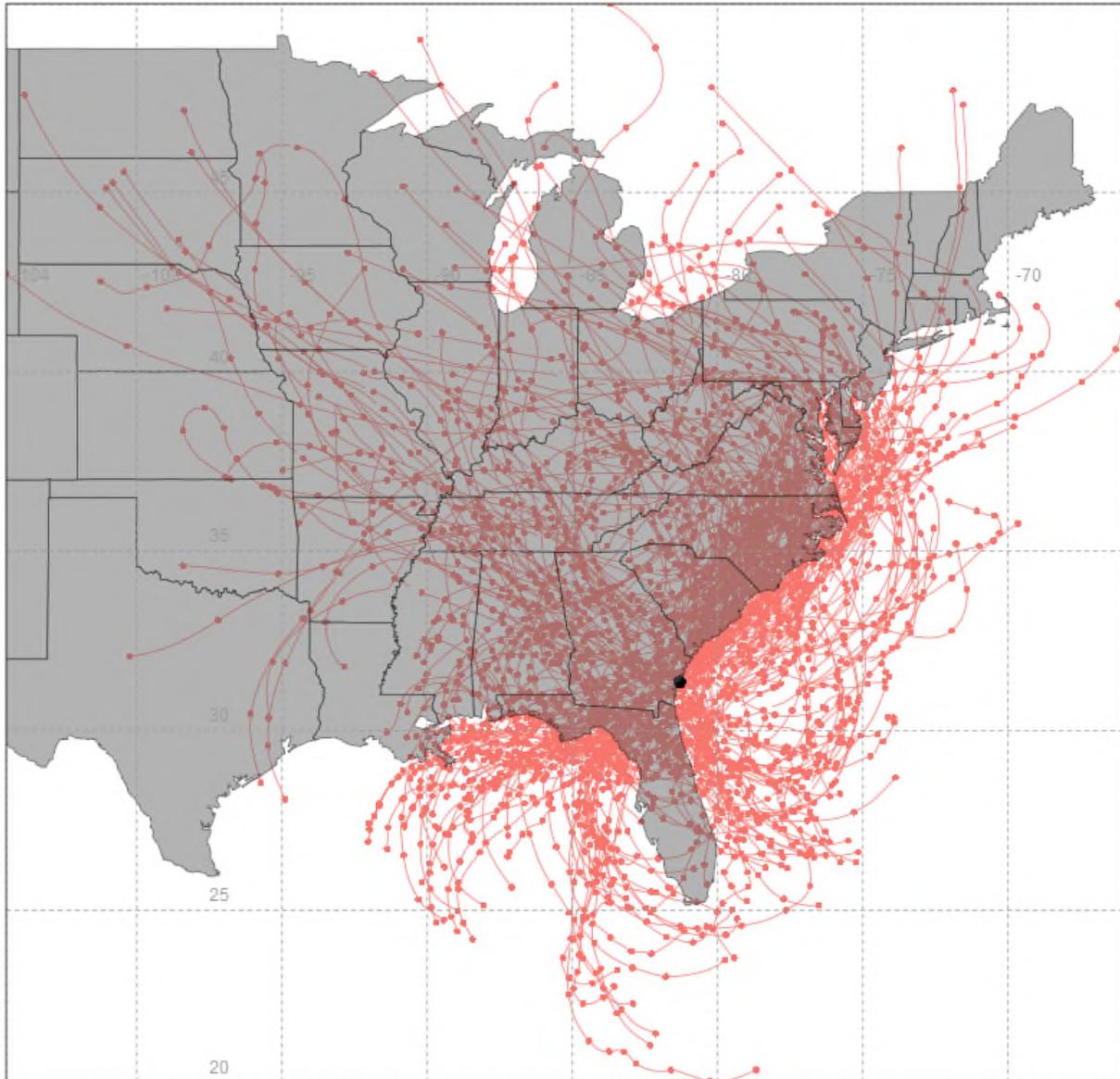


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Wolf Island Wilderness Area

Class1 site: 29 Year: 2011-2016 Height: 100.00

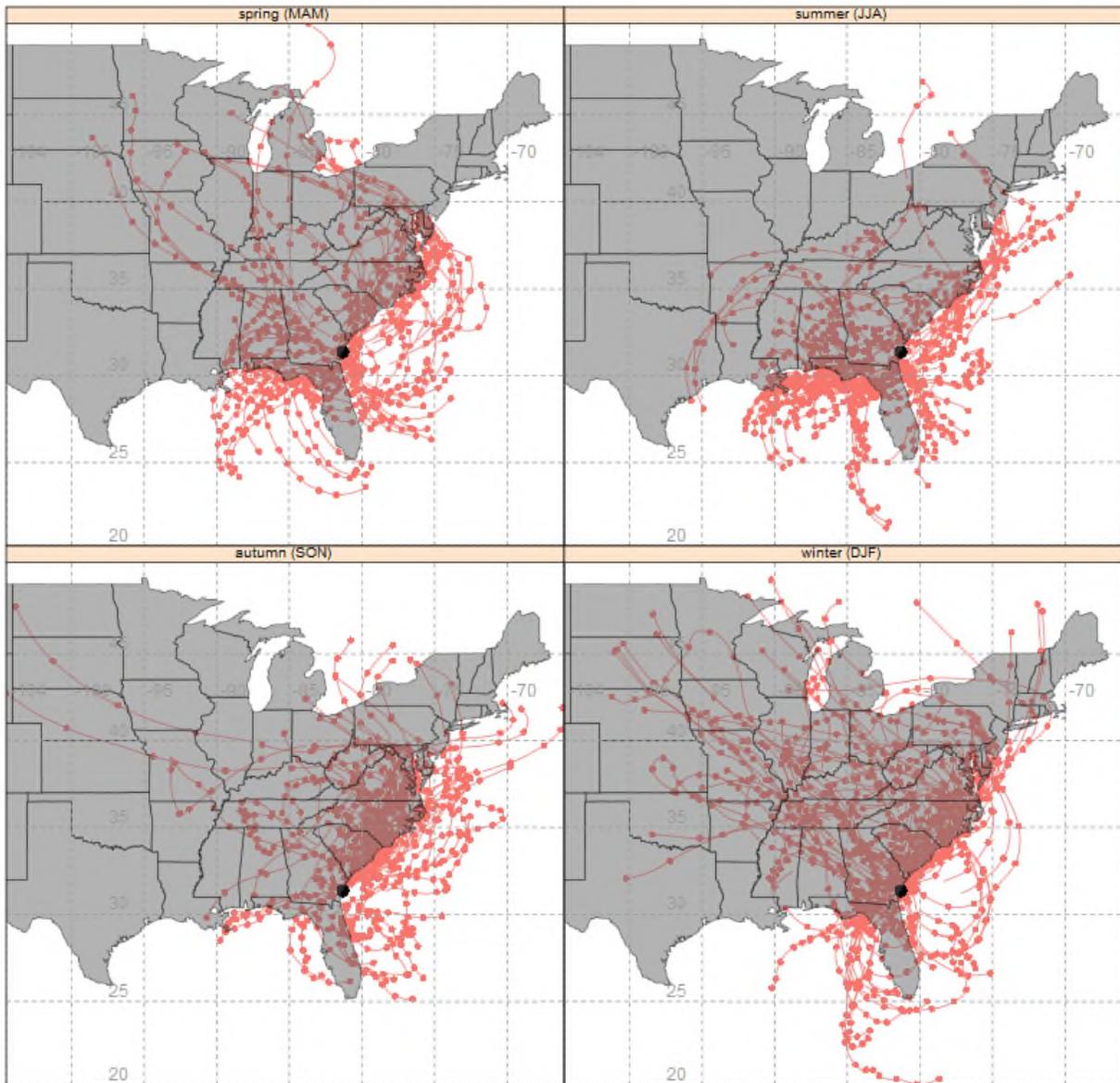


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Wolf Island Wilderness Area

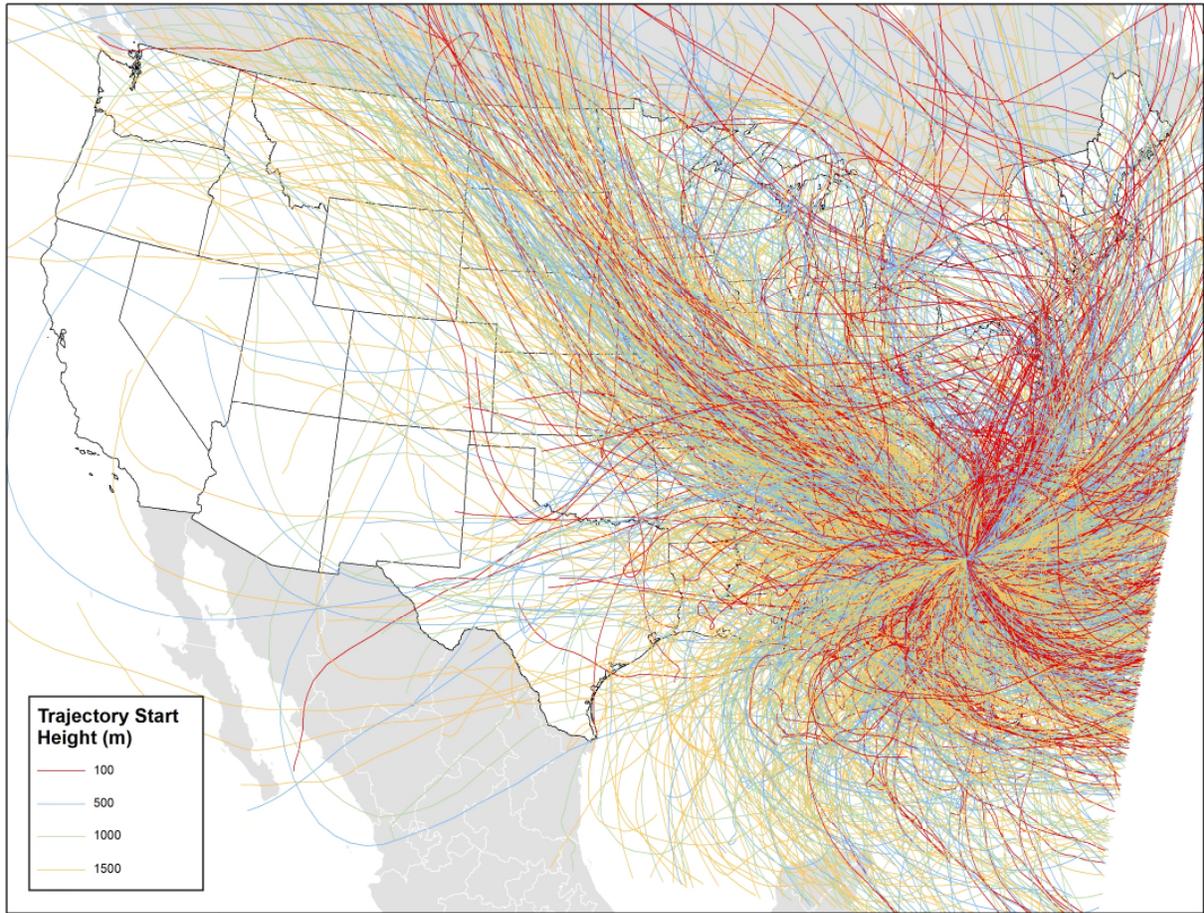


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Wolf Island Wilderness Area

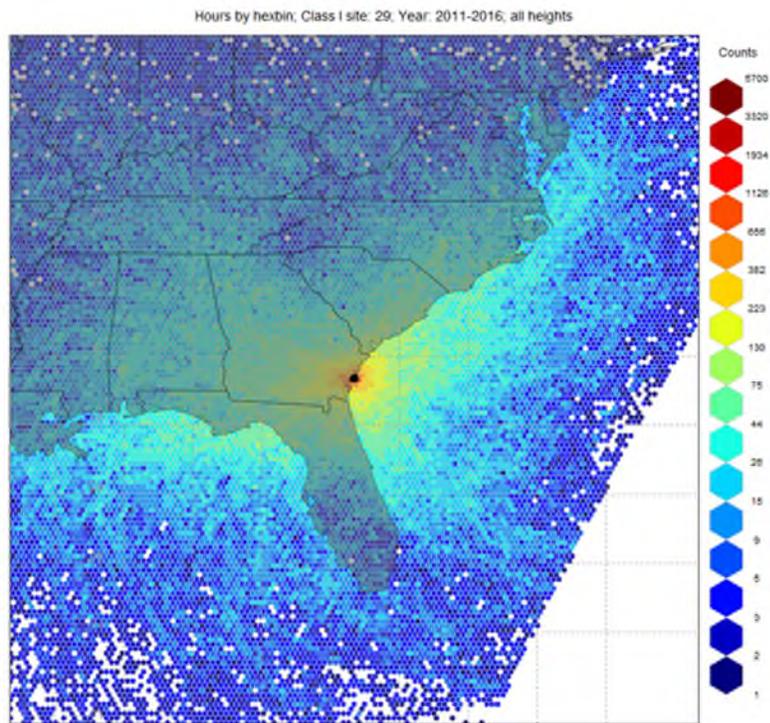
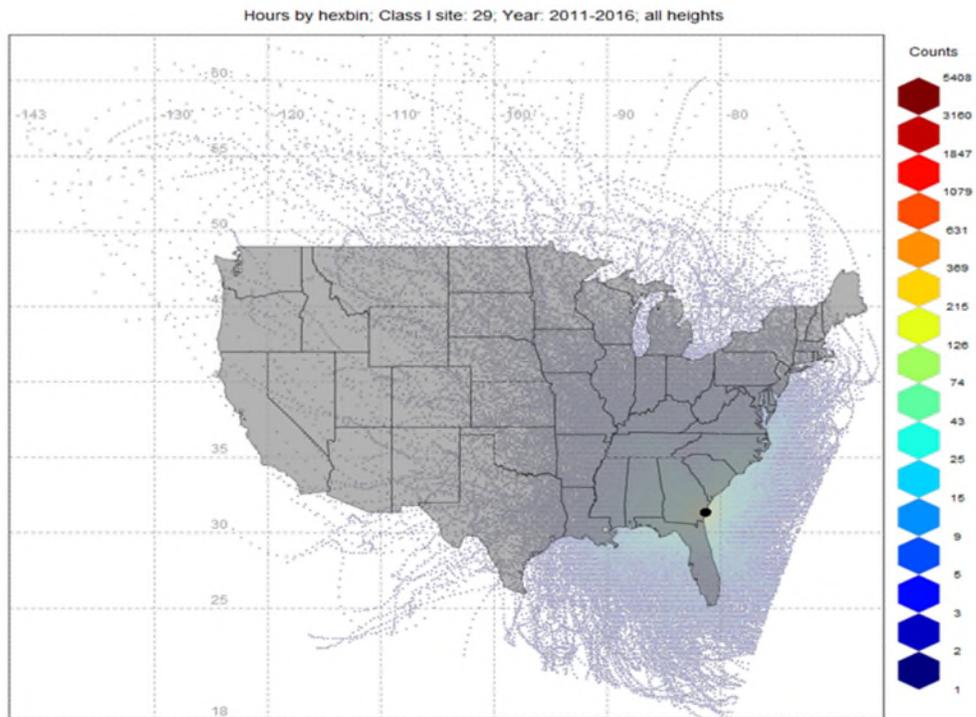


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Wolf Island Wilderness Area – Full View (top) and Class I Zoom (bottom)

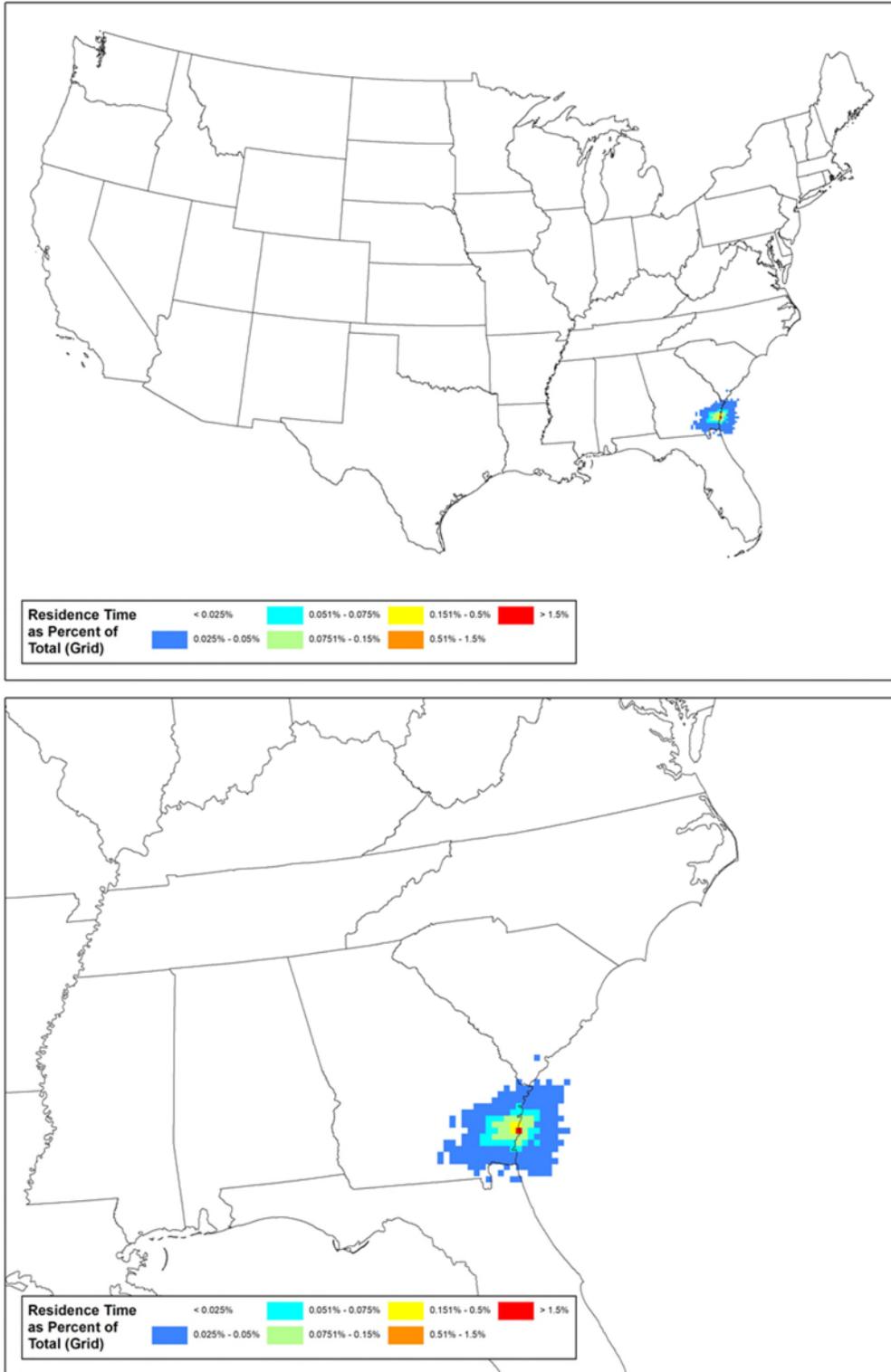


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Wolf Island Wilderness Area – Full View (top) and Class I Zoom (bottom))

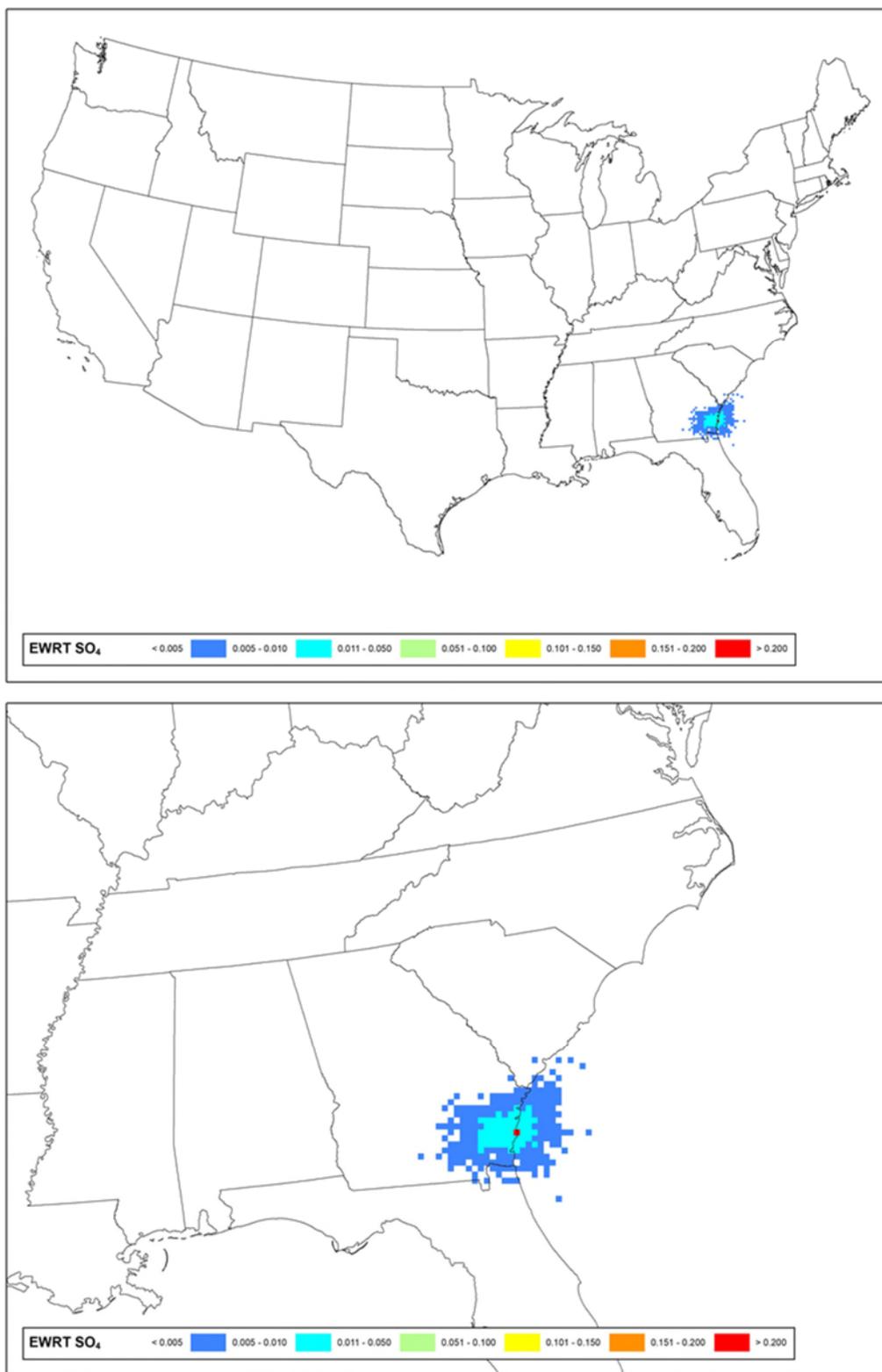


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Wolf Island Wilderness Area - Full View (top) and Class I Zoom (bottom)

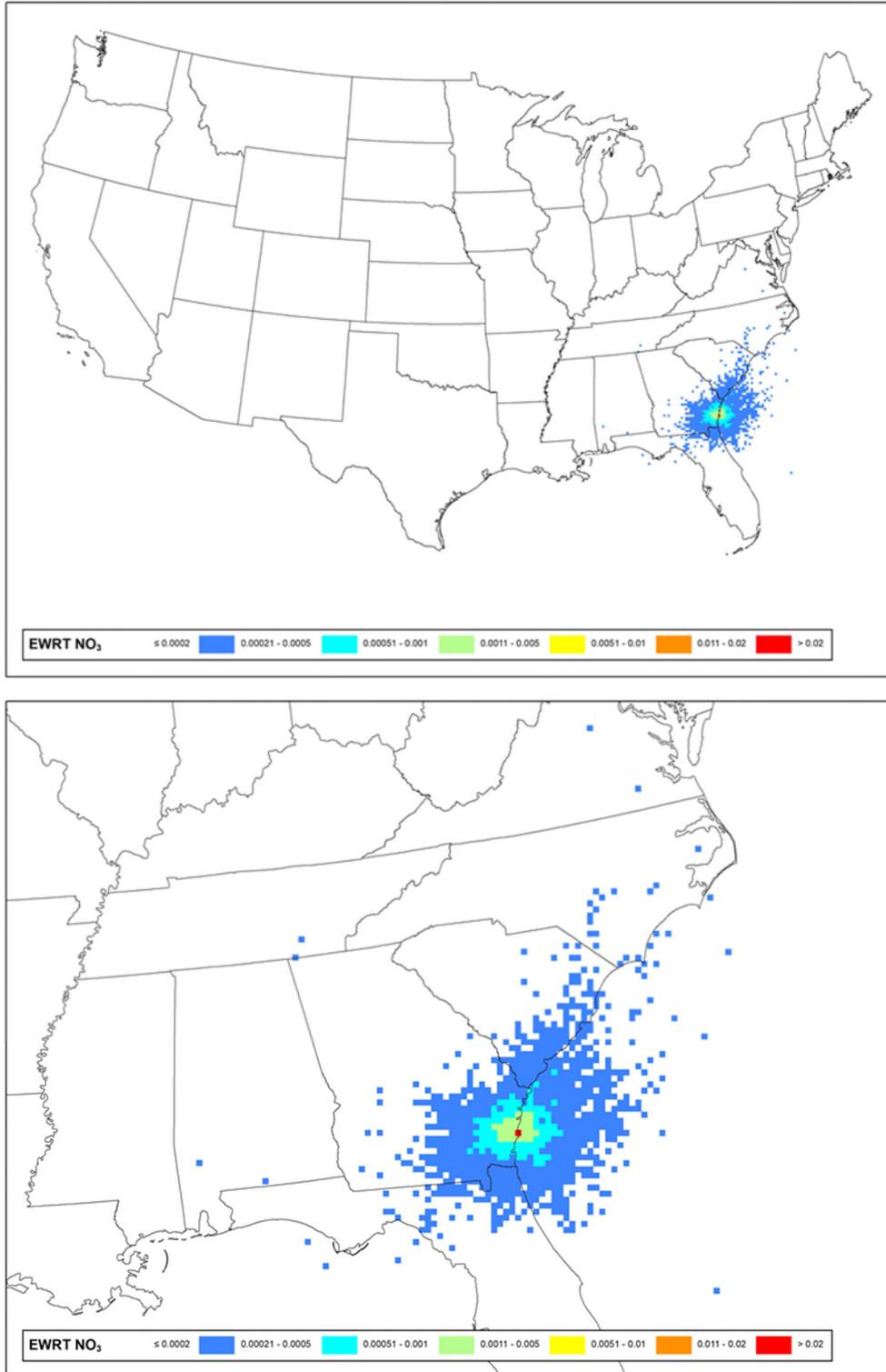


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Wolf Island Wilderness Area - Full View (top) and Class I Zoom (bottom)

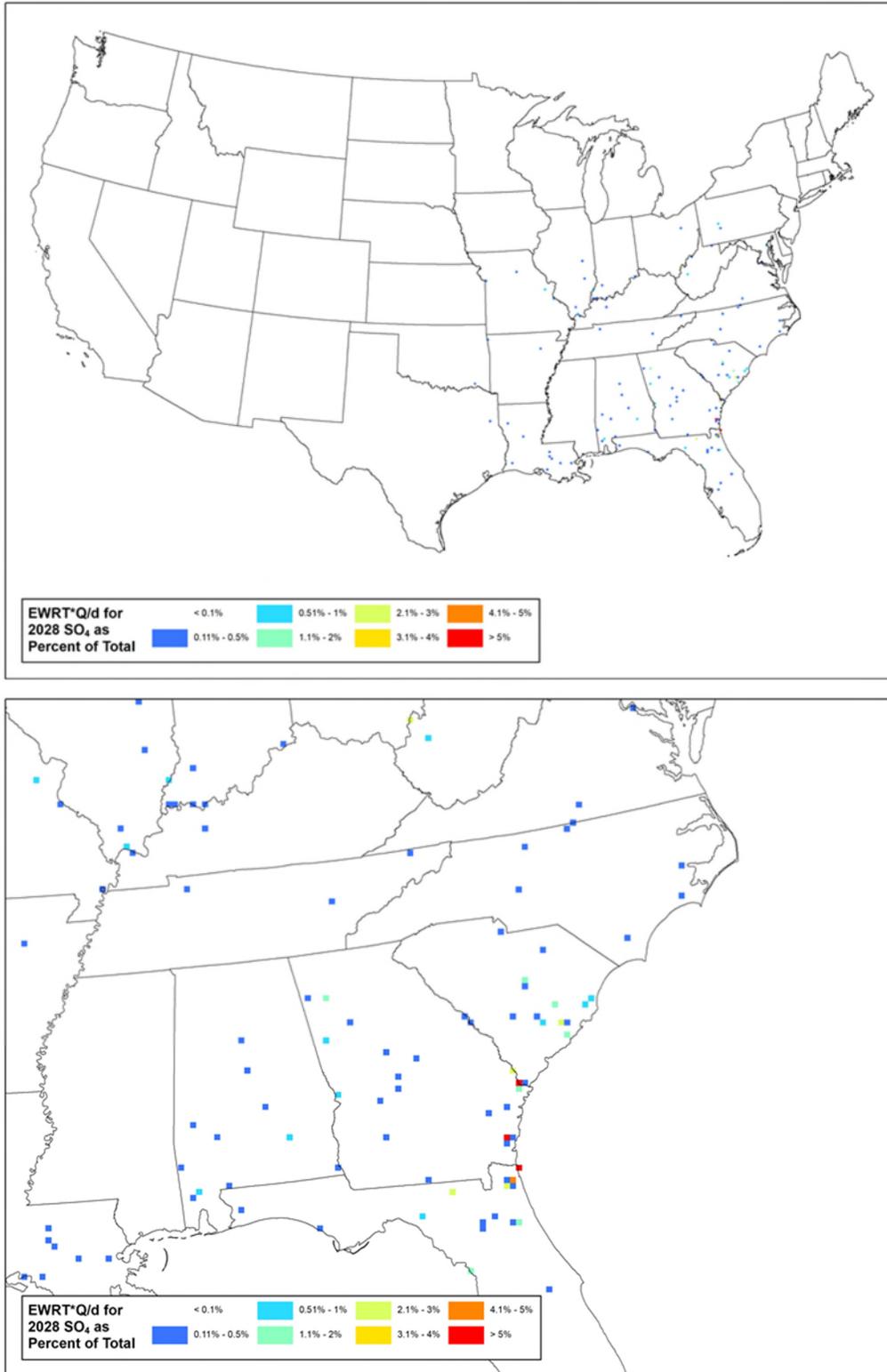


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Wolf Island Wilderness Area – Full View (top) and Class I Zoom (bottom)

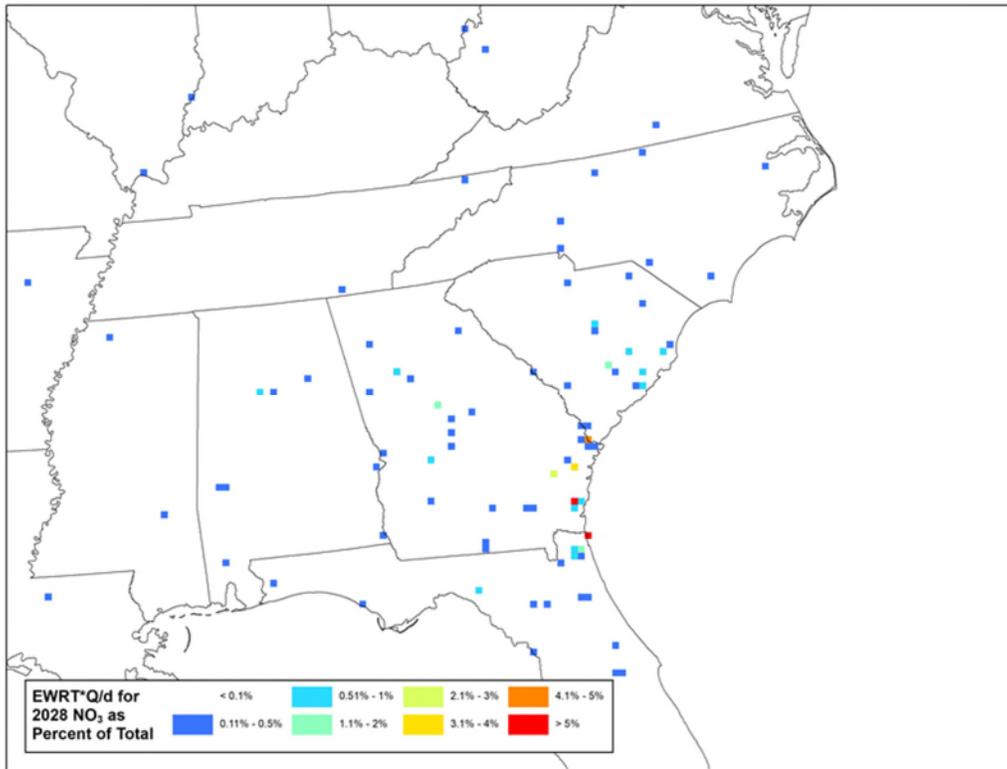
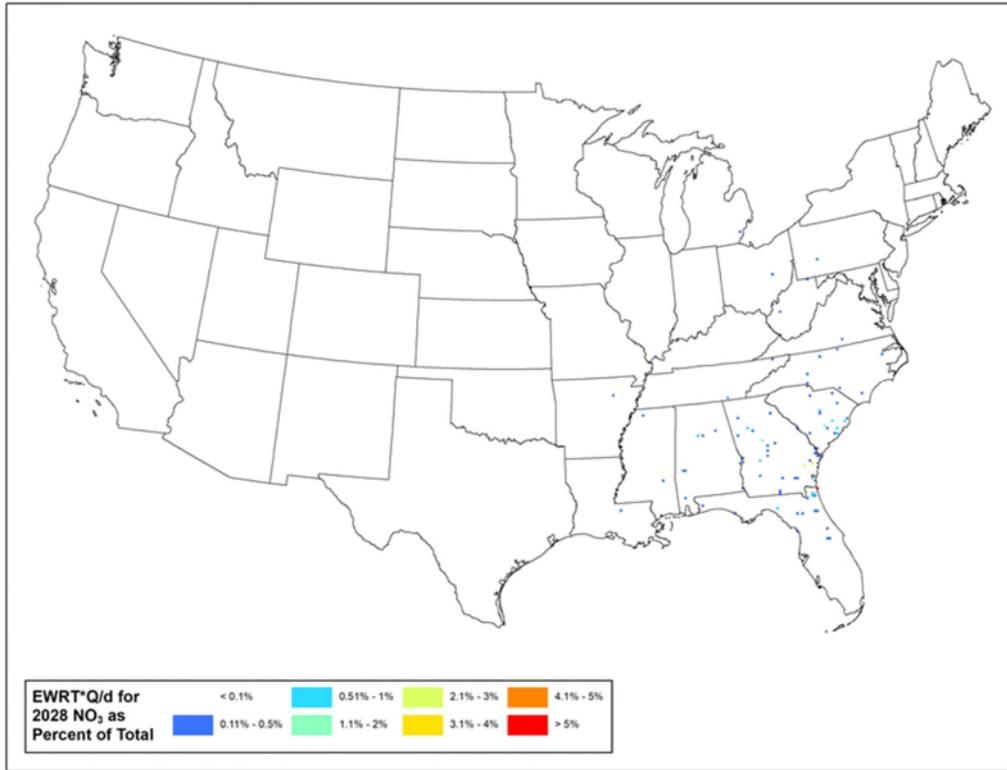


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Wolf Island Wilderness Area – Full View (top) and Class I Zoom (bottom)

Cape Romain Wilderness Area

Class1 site: 30 Year: 2011-2016 Height: 100.00

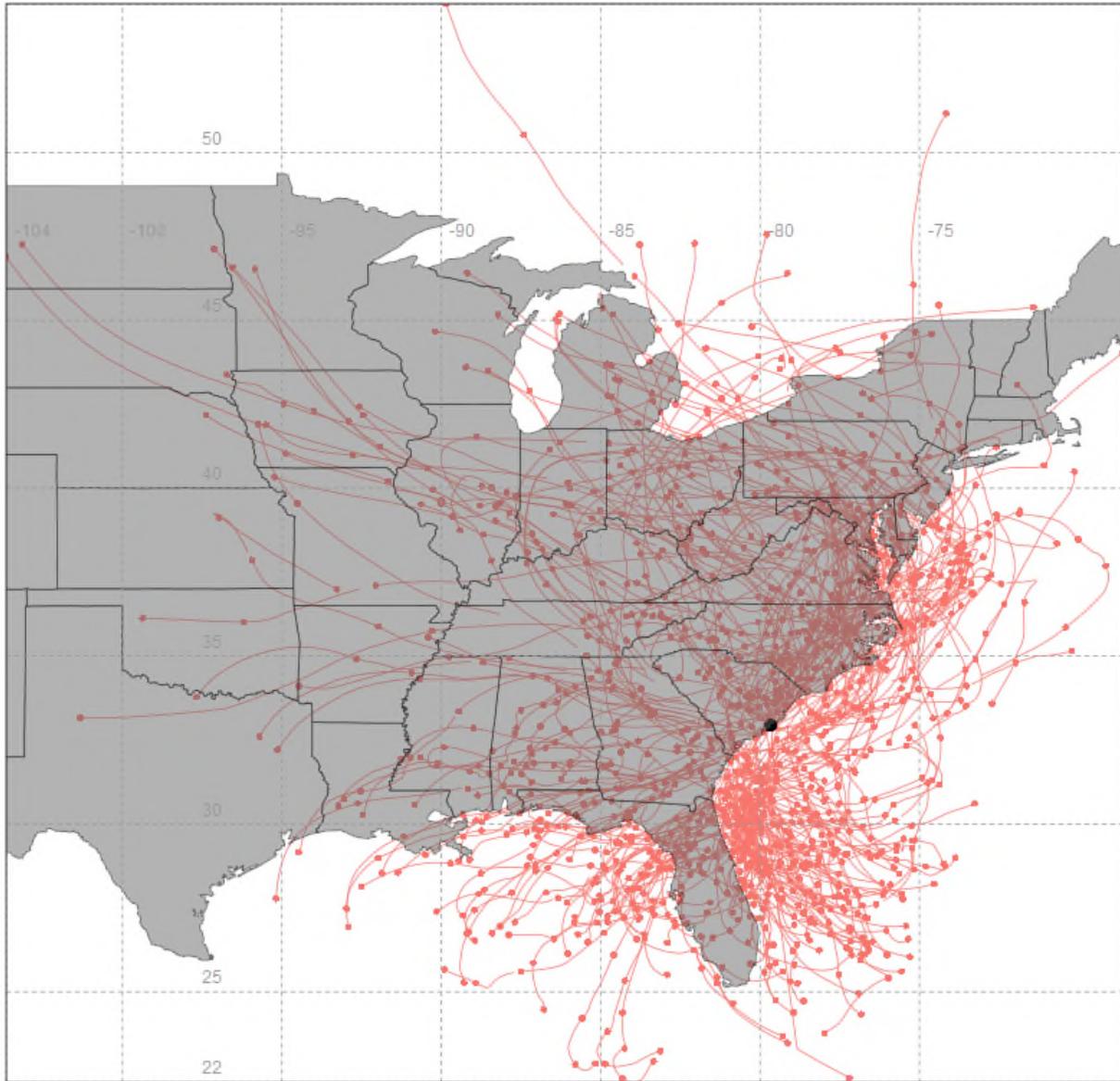


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Cape Romain Wilderness Area

Class1 site: 30 Year: 2011-2016 Height: 100.00

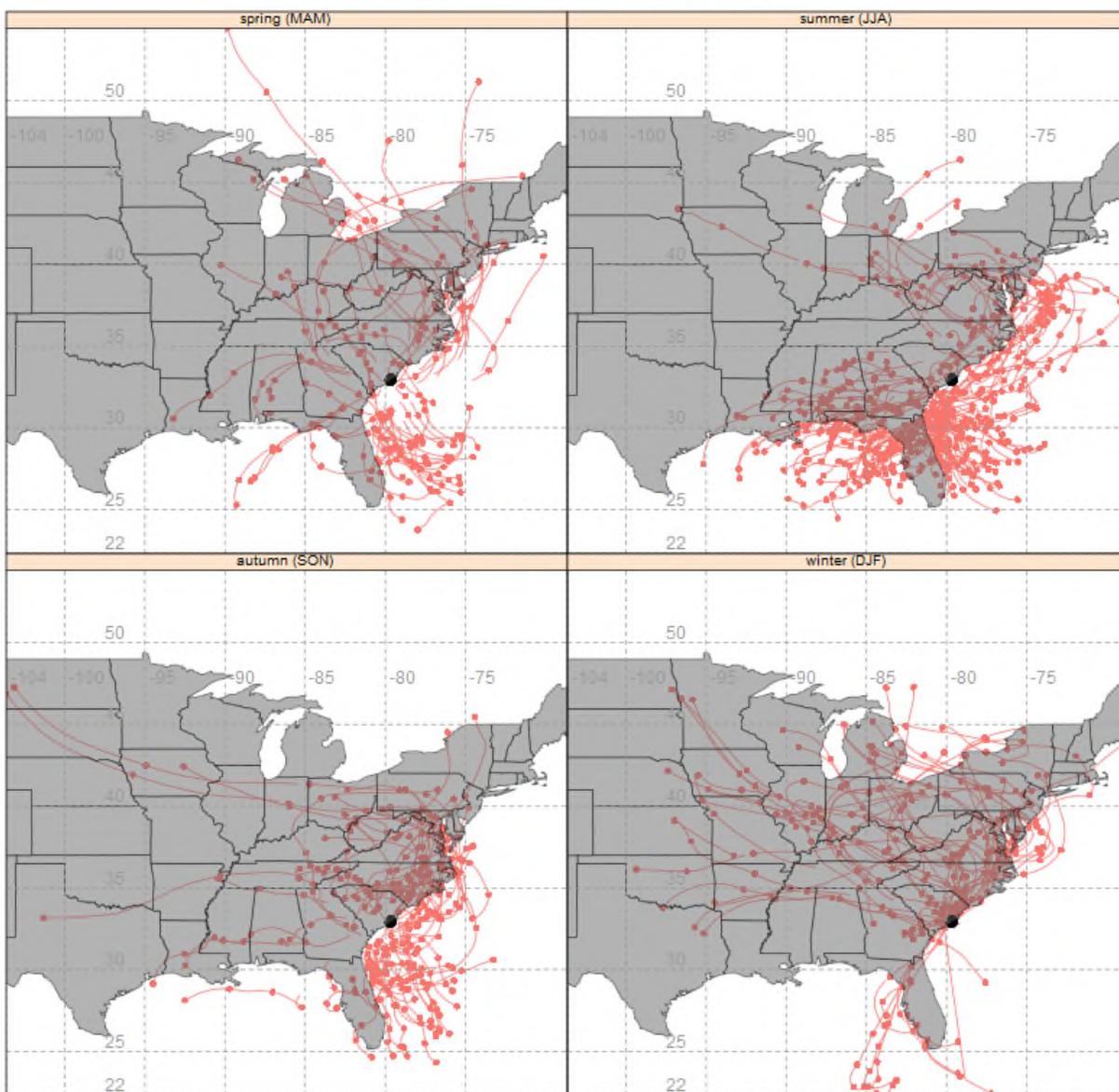


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Cape Romain Wilderness Area

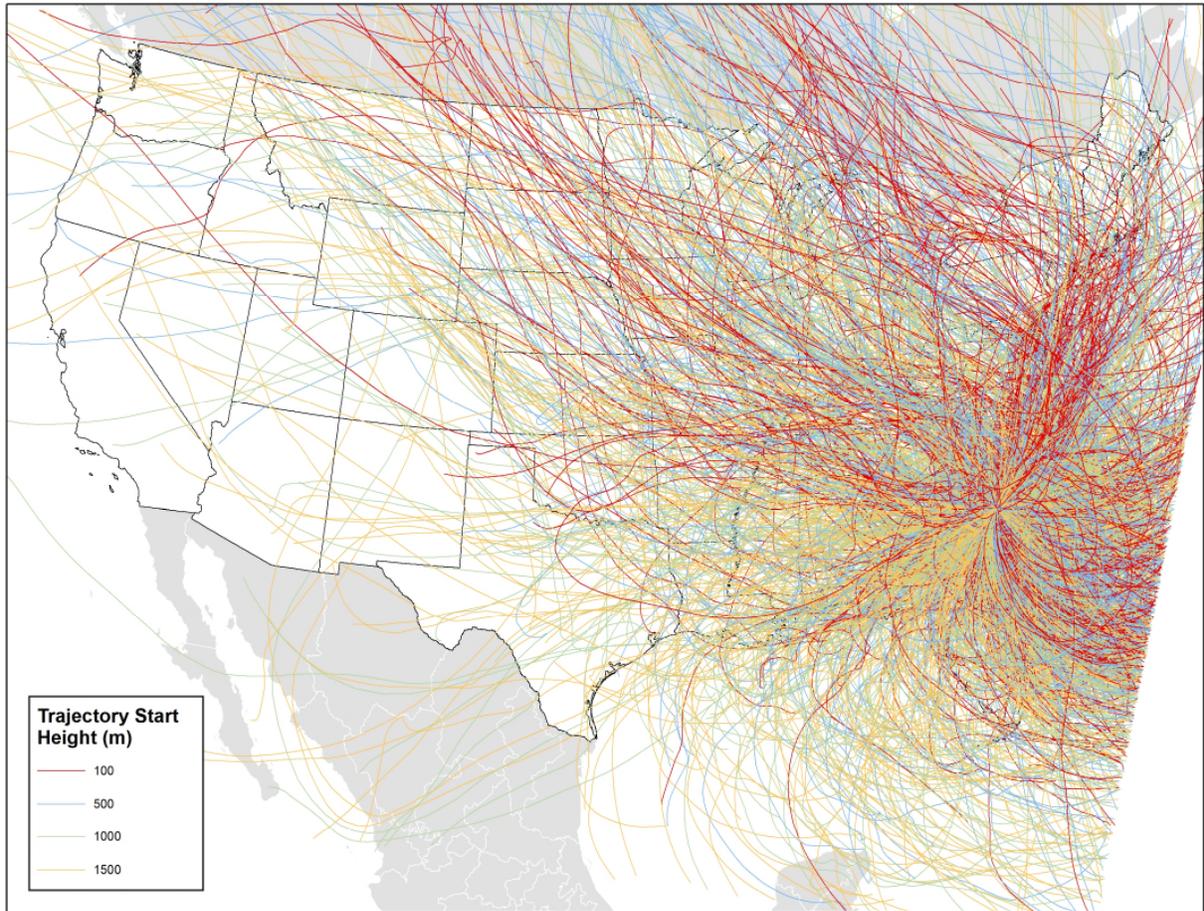


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Cape Romain Wilderness Area

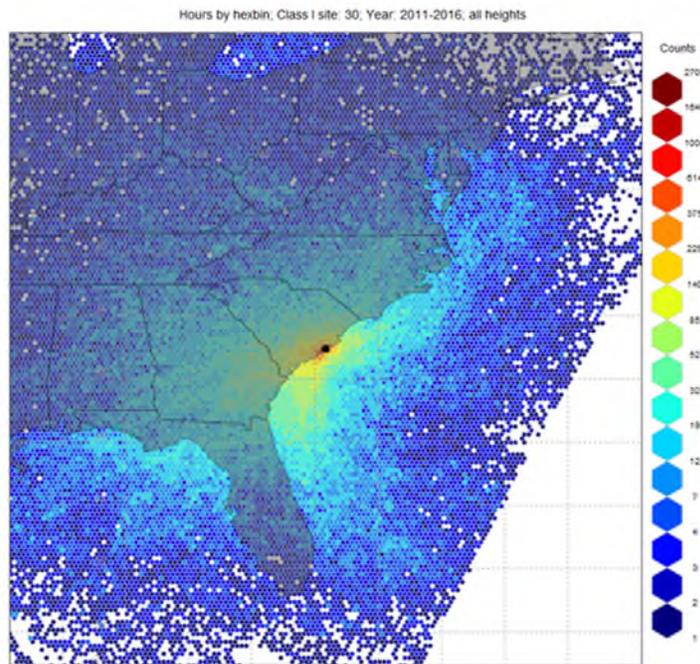
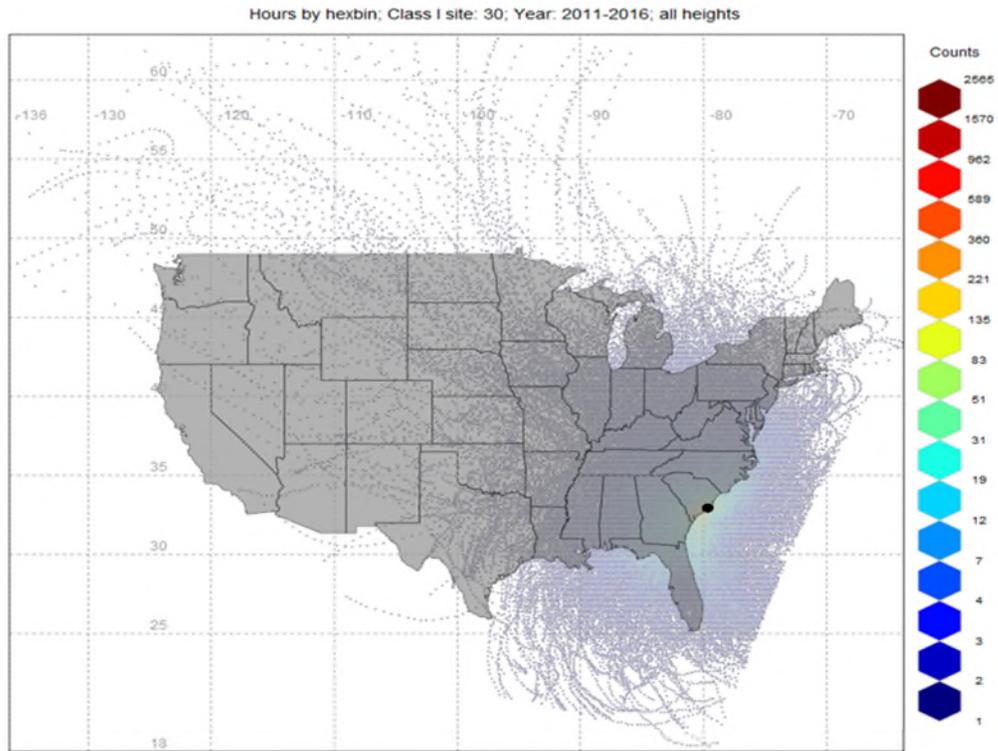


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Cape Romain Wilderness Area – Full View (top) and Class I Zoom (bottom)

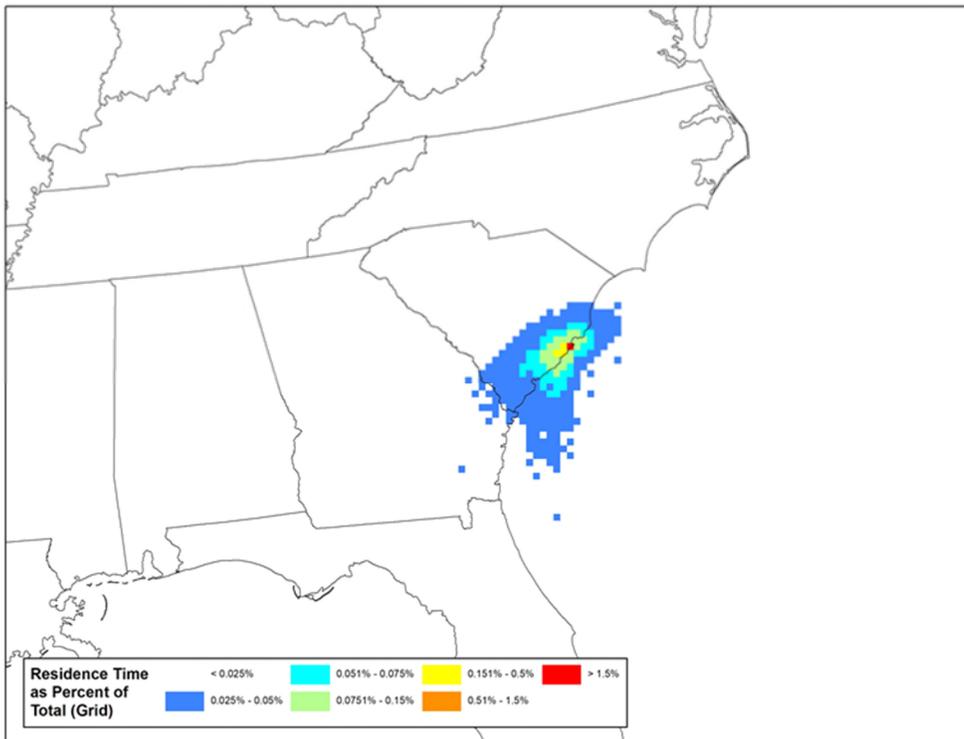
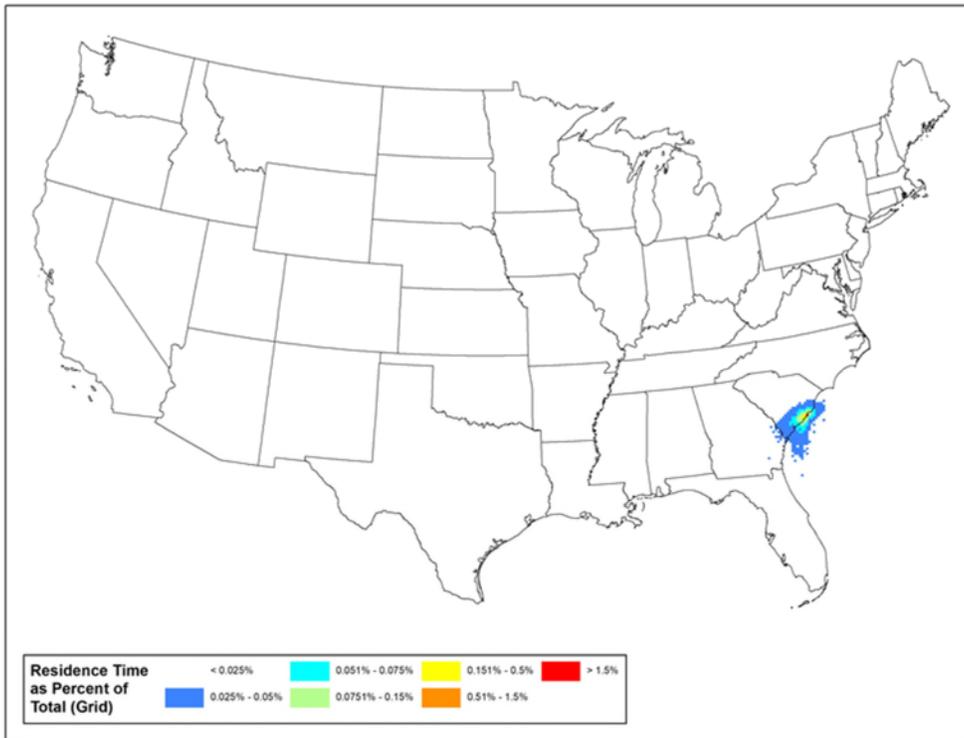


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Cape Romain Wilderness Area – Full View (top) and Class I Zoom (bottom)

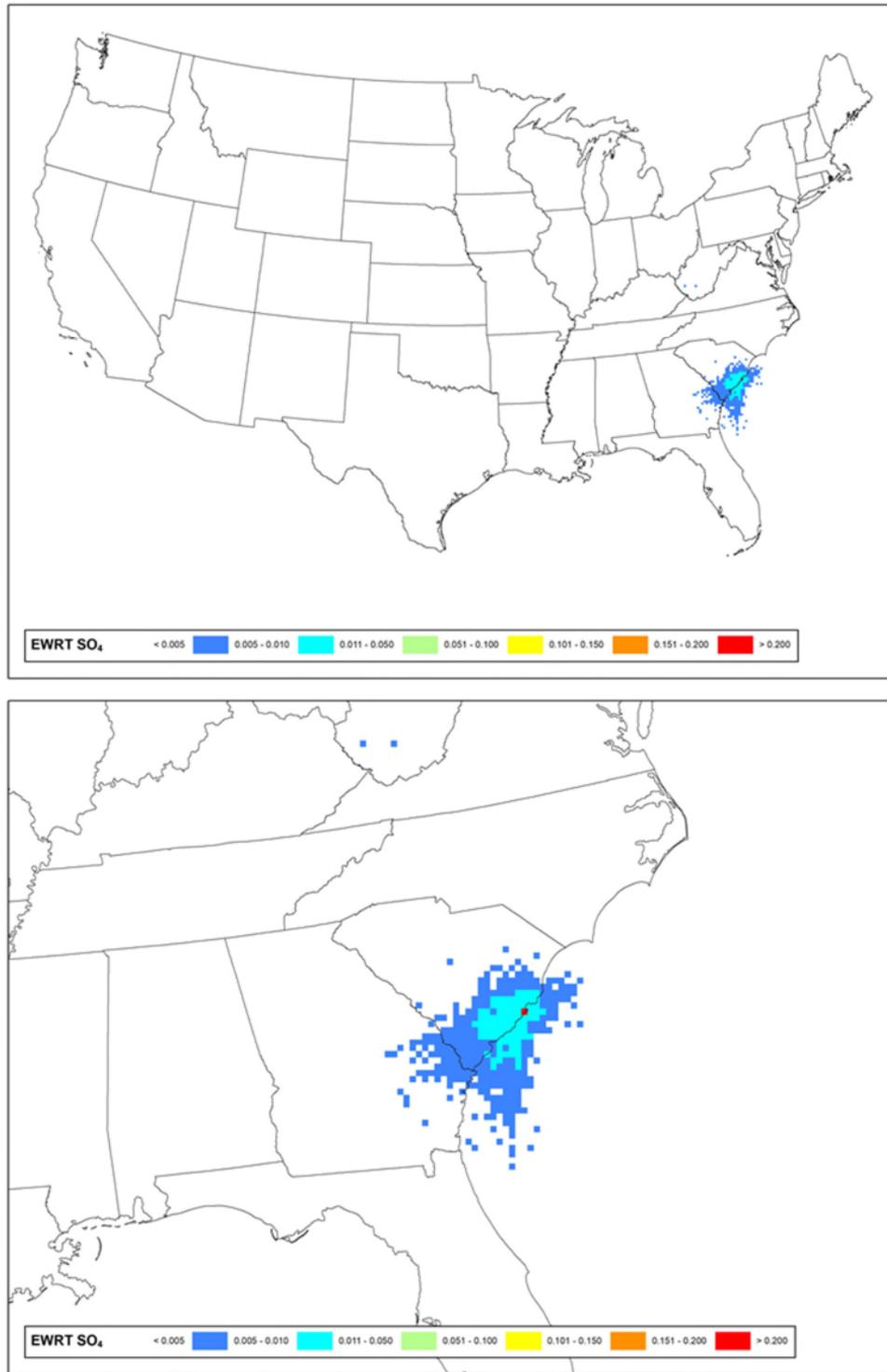


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Cape Romain Wilderness Area - Full View (top) and Class I Zoom (bottom)

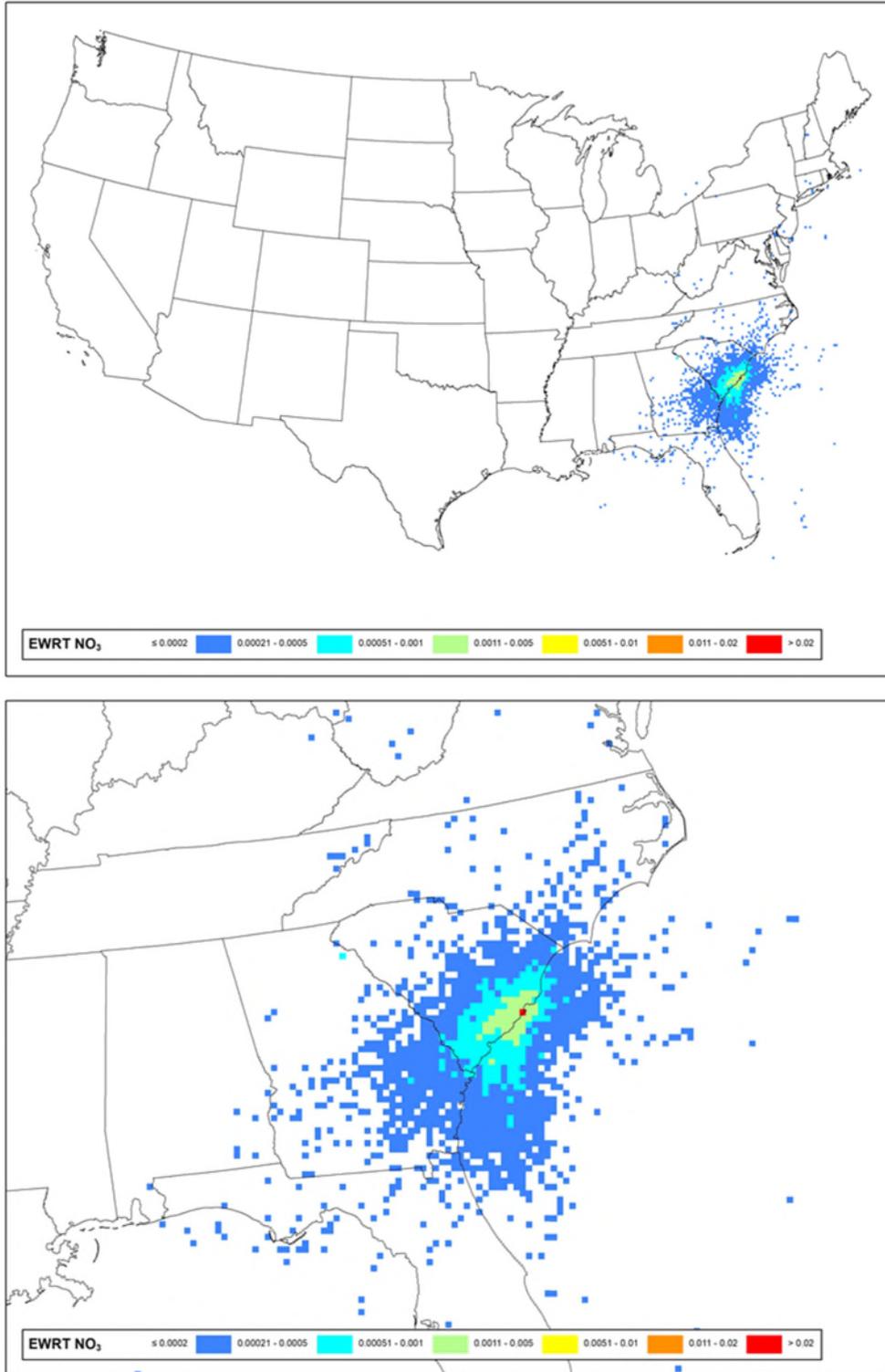


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Cape Romain Wilderness Area - Full View (top) and Class I Zoom (bottom)

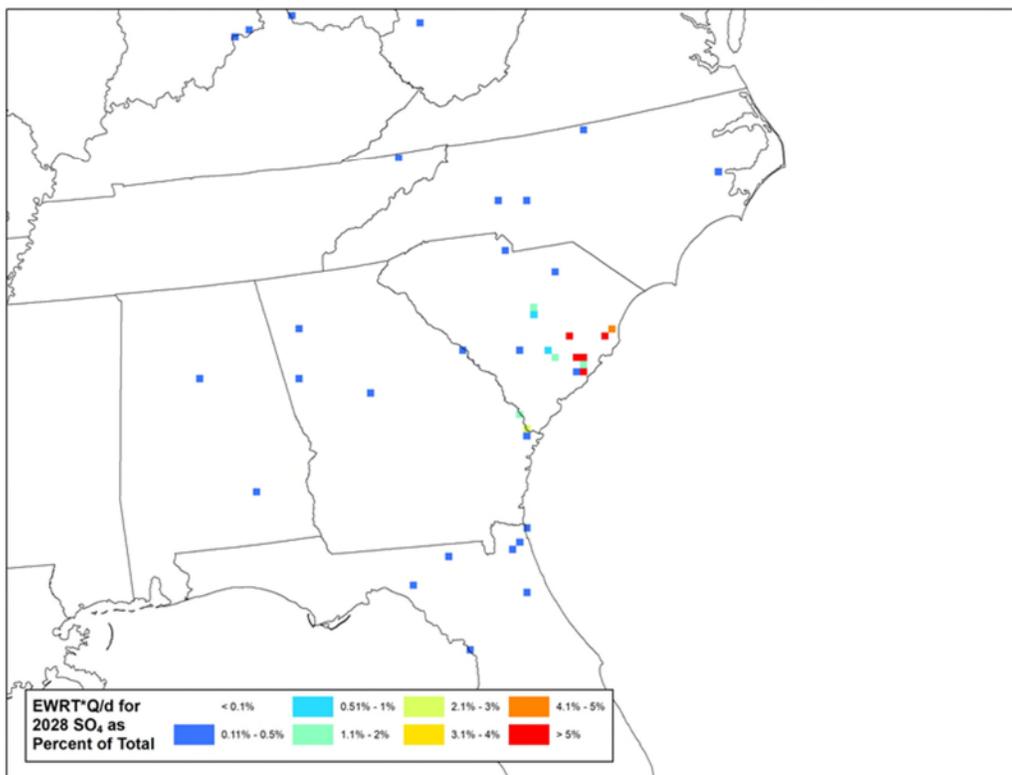
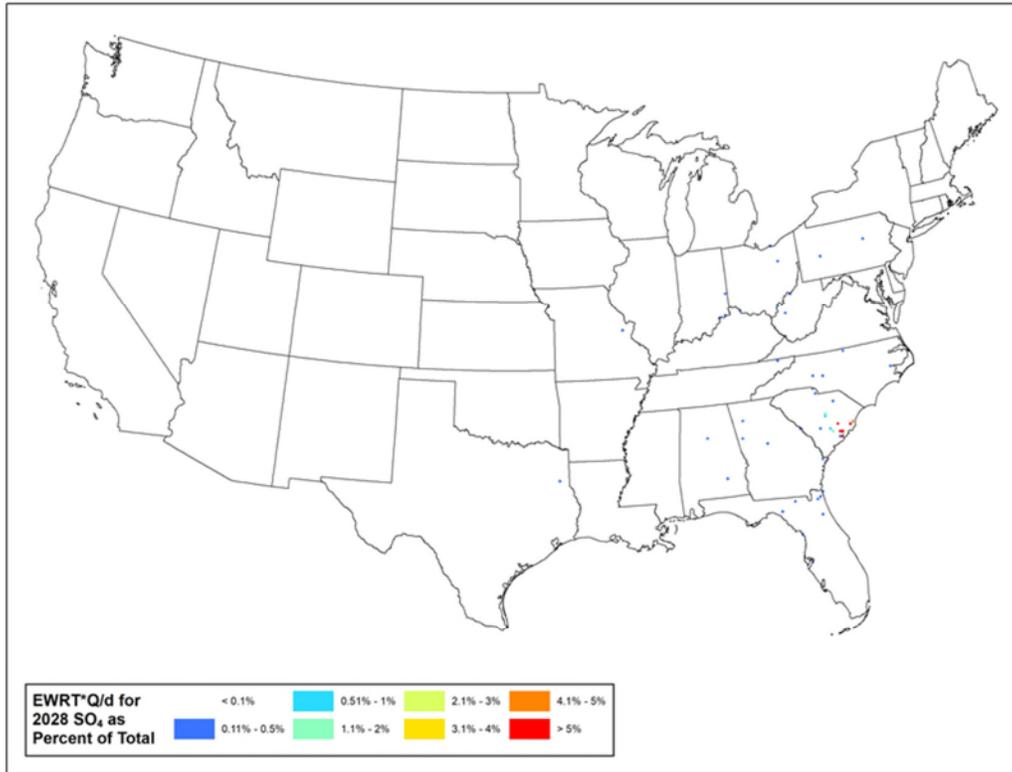


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Cape Romain Wilderness Area – Full View (top) and Class I Zoom (bottom)

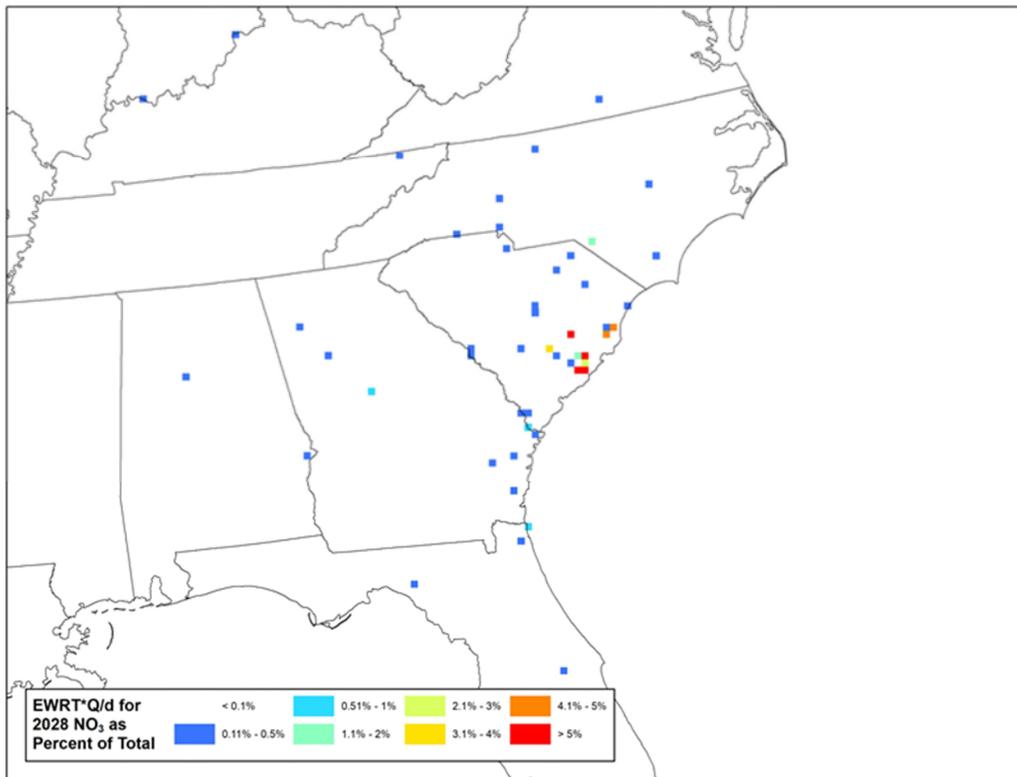
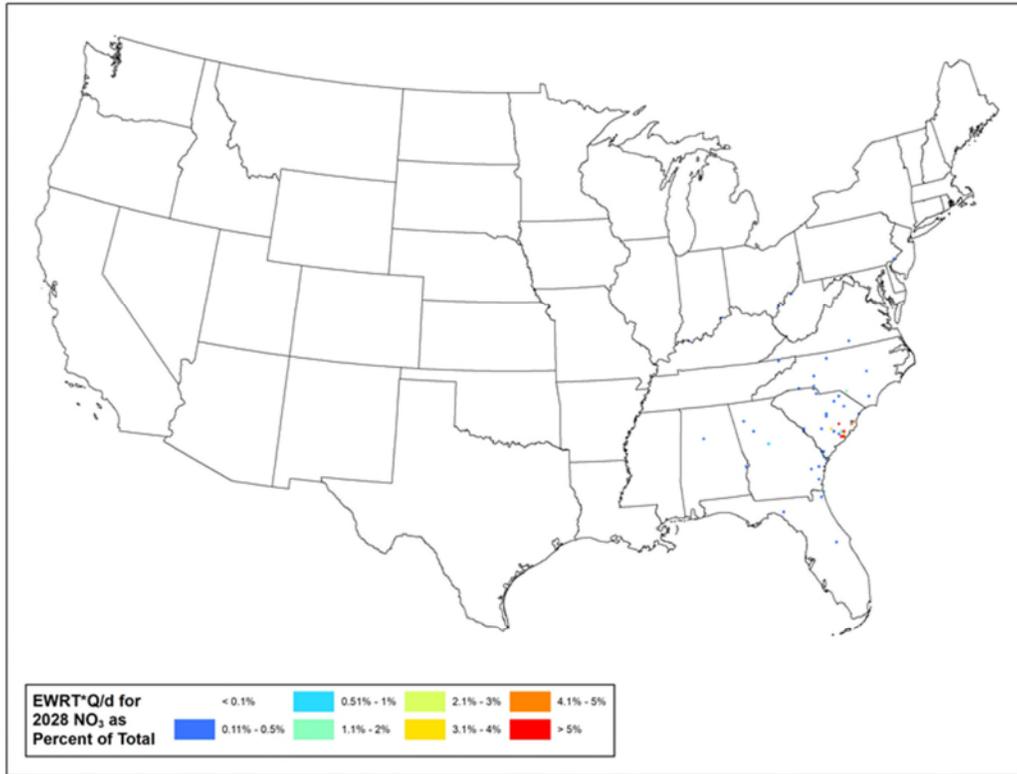


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Cape Romain Wilderness Area – Full View (top) and Class I Zoom (bottom)

St Marks Wilderness Area

Class1 site: 32 Year: 2011-2016 Height: 100.00

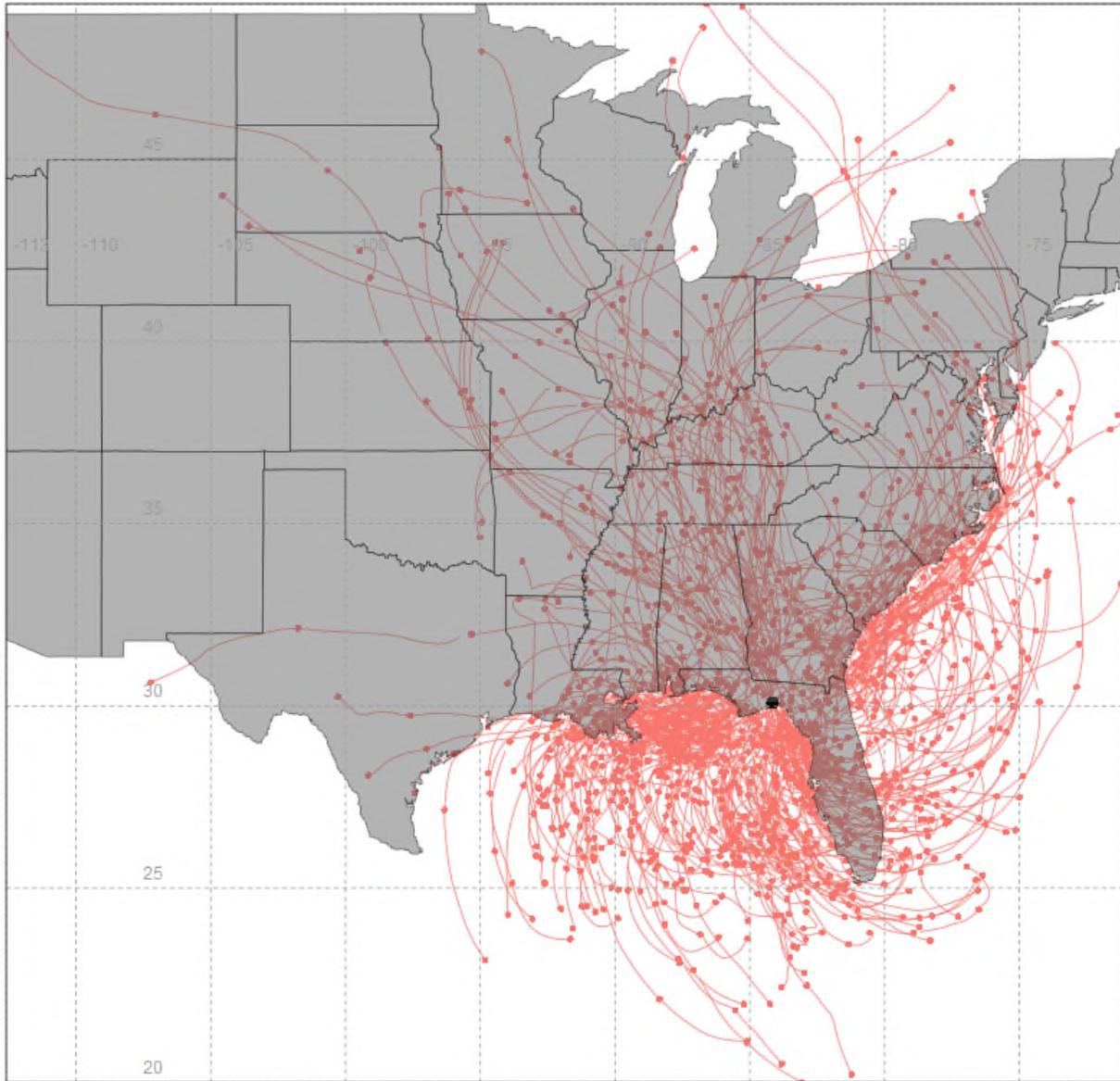


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from St Marks Wilderness Area

Class1 site: 32 Year: 2011-2016 Height: 100.00

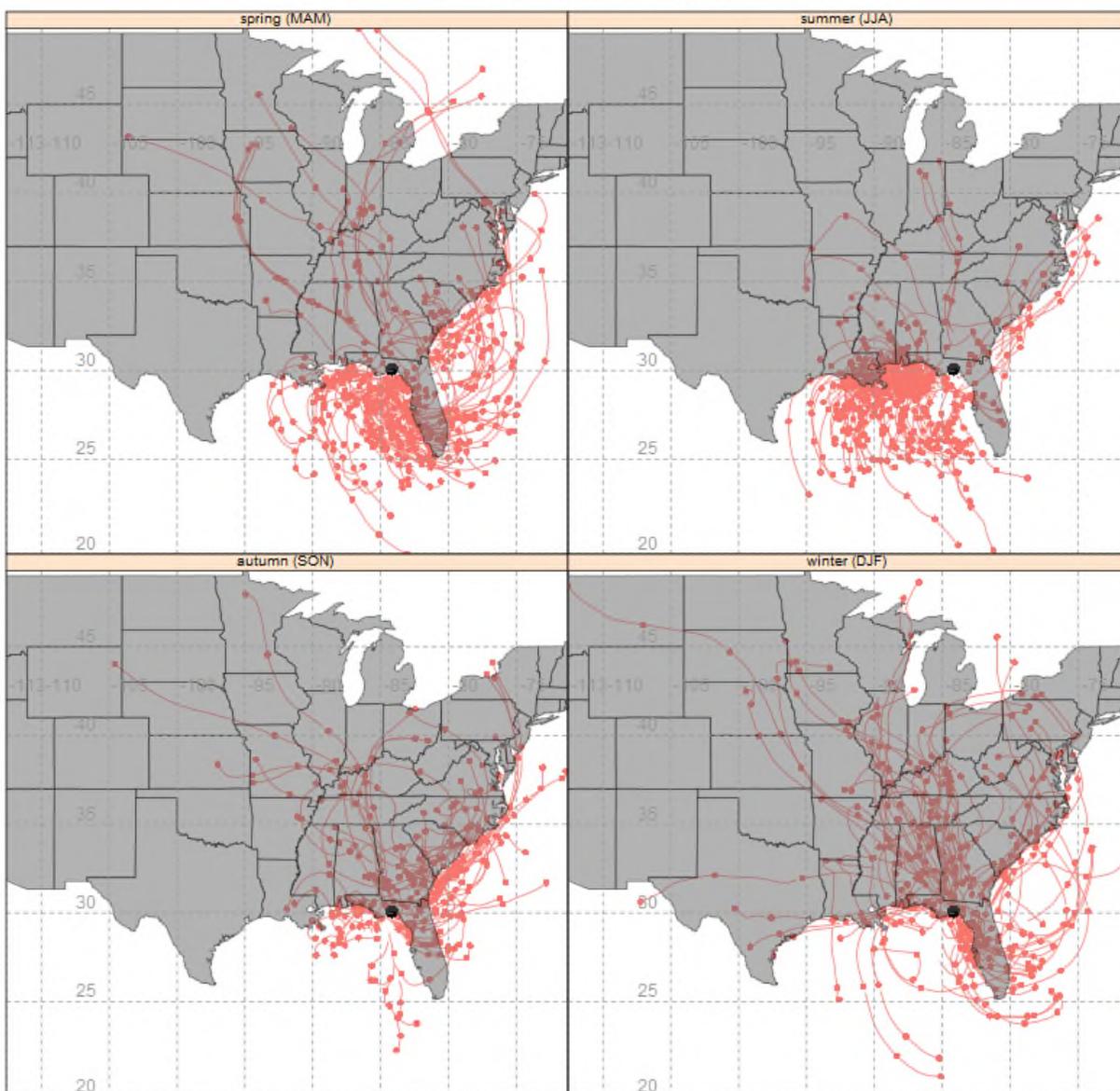


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from St Marks Wilderness Area

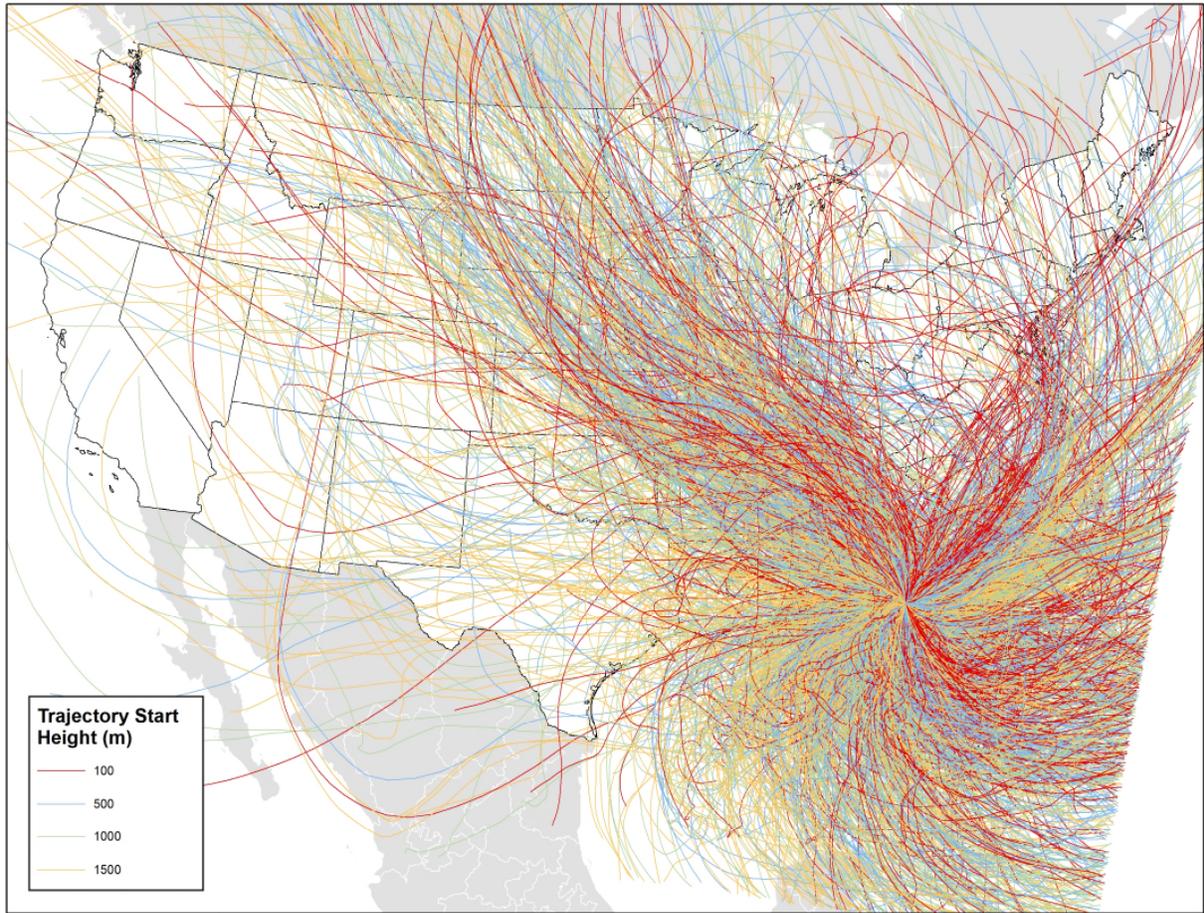


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from St Marks Wilderness Area

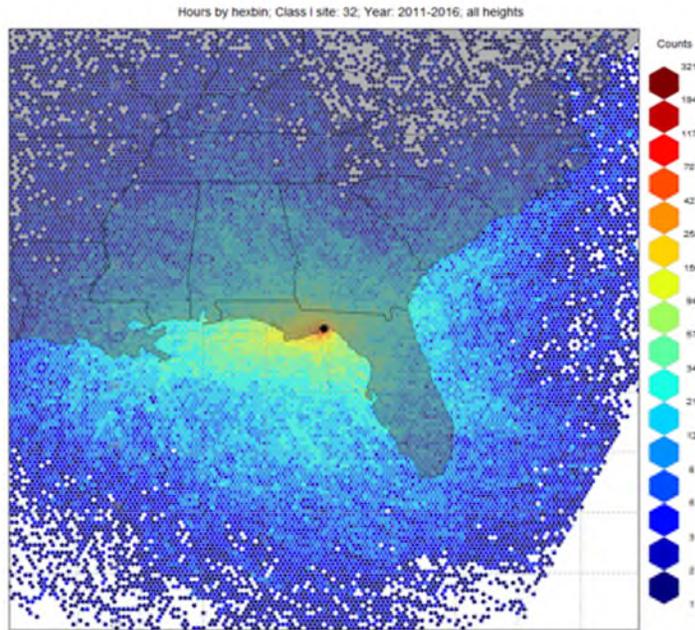
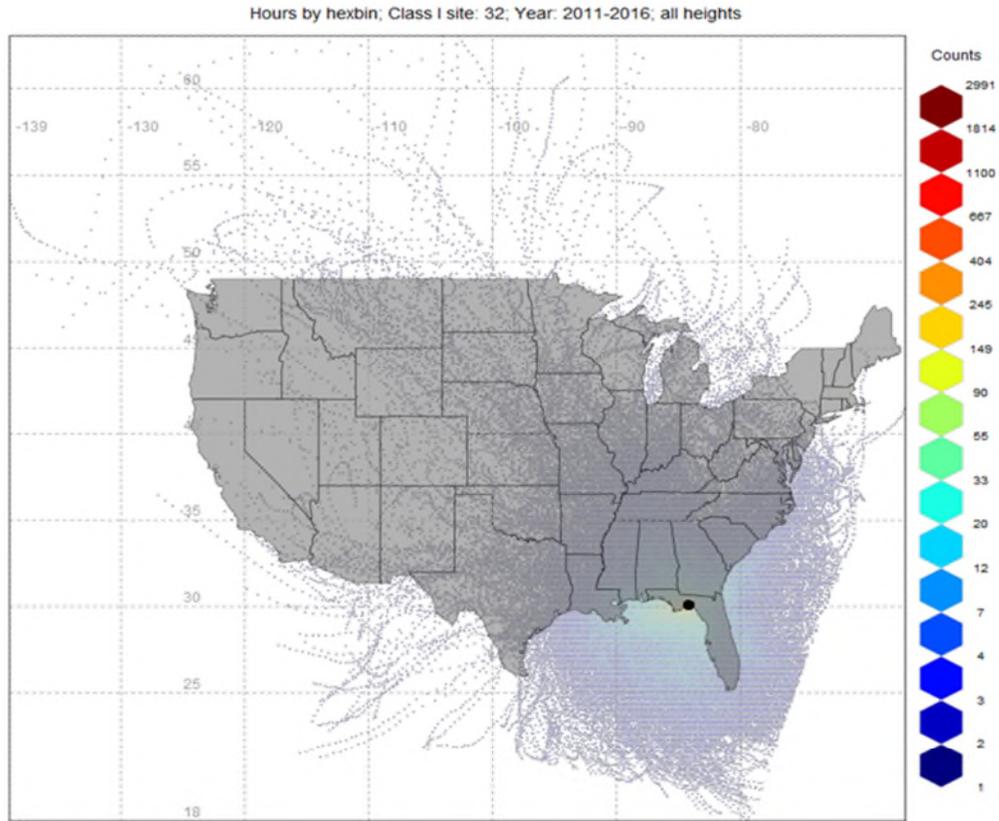


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for St Marks Wilderness Area – Full View (top) and Class I Zoom (bottom)

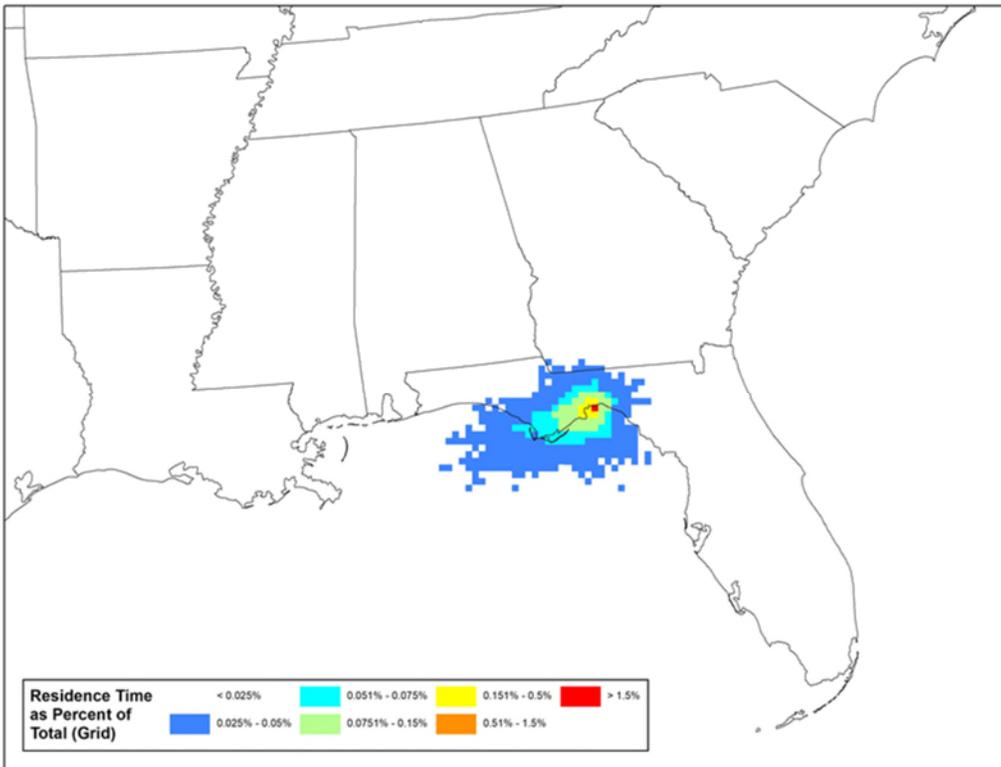
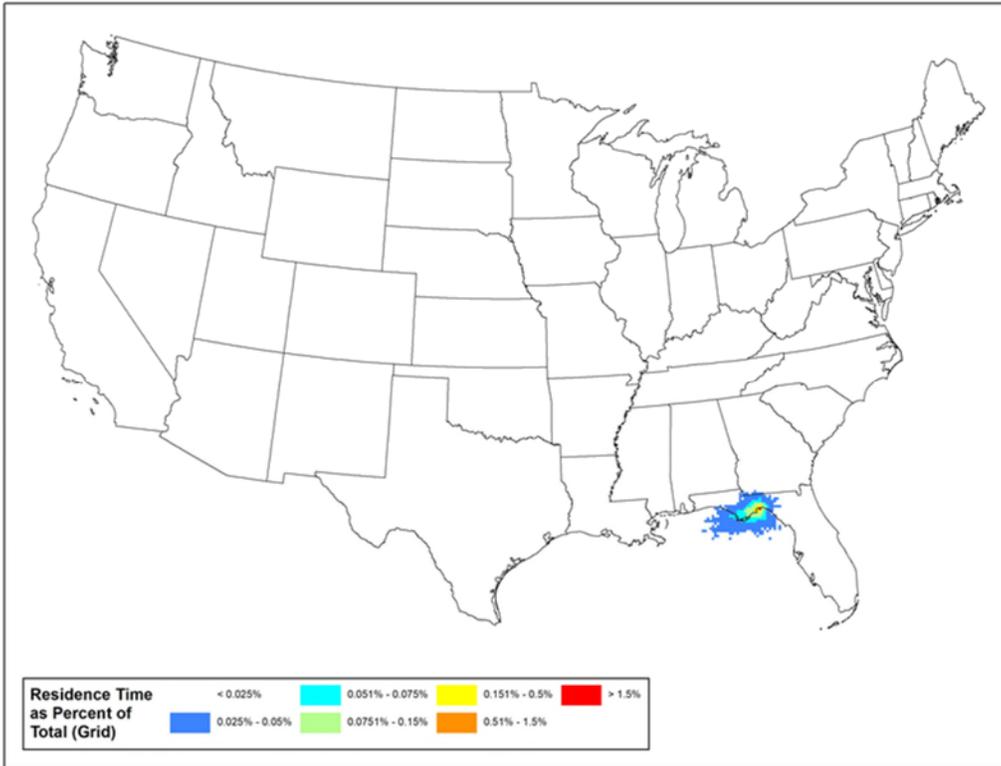


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for St Marks Wilderness Area – Full View (top) and Class I Zoom (bottom))

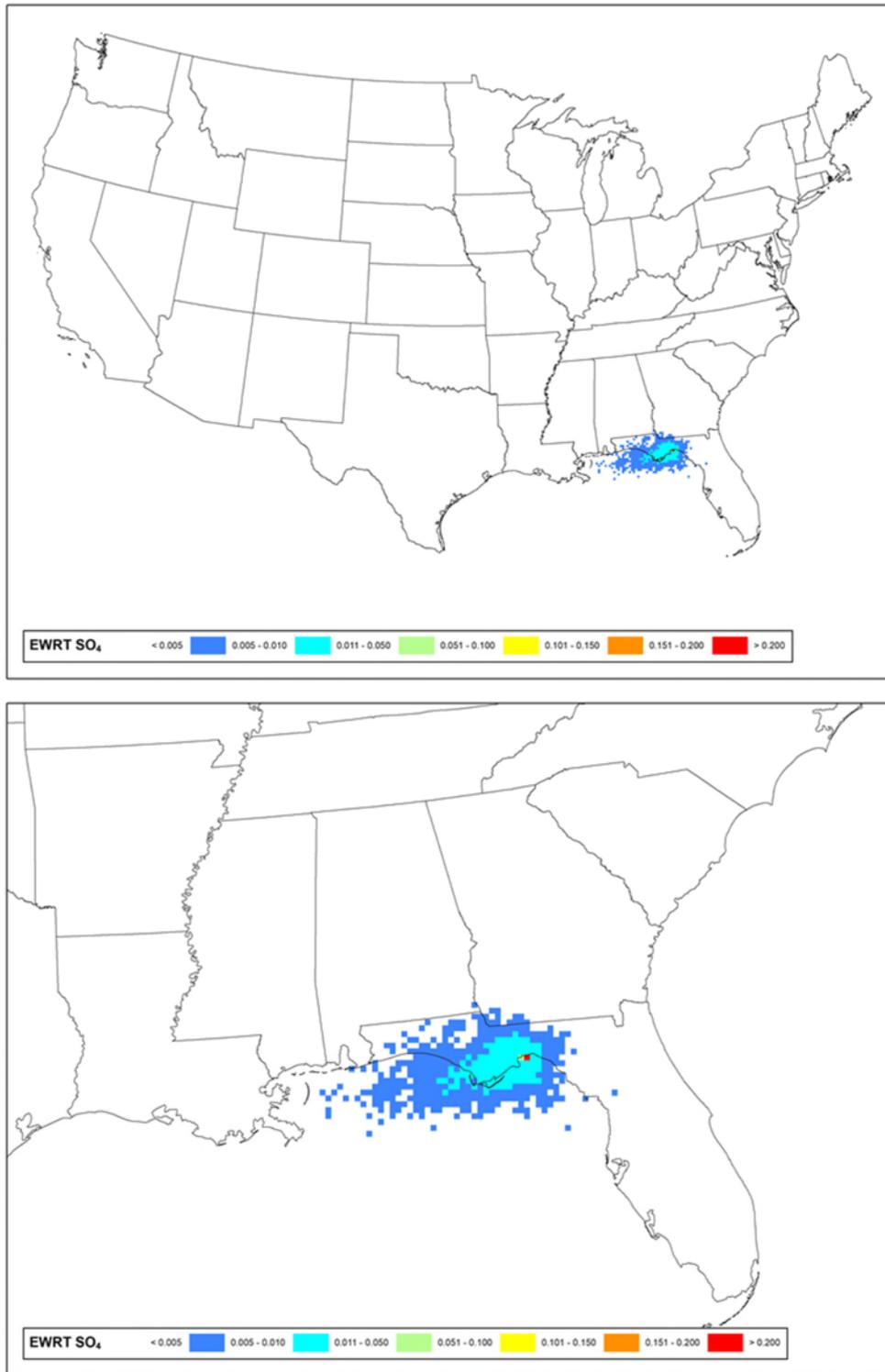


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for St Marks Wilderness Area - Full View (top) and Class I Zoom (bottom)

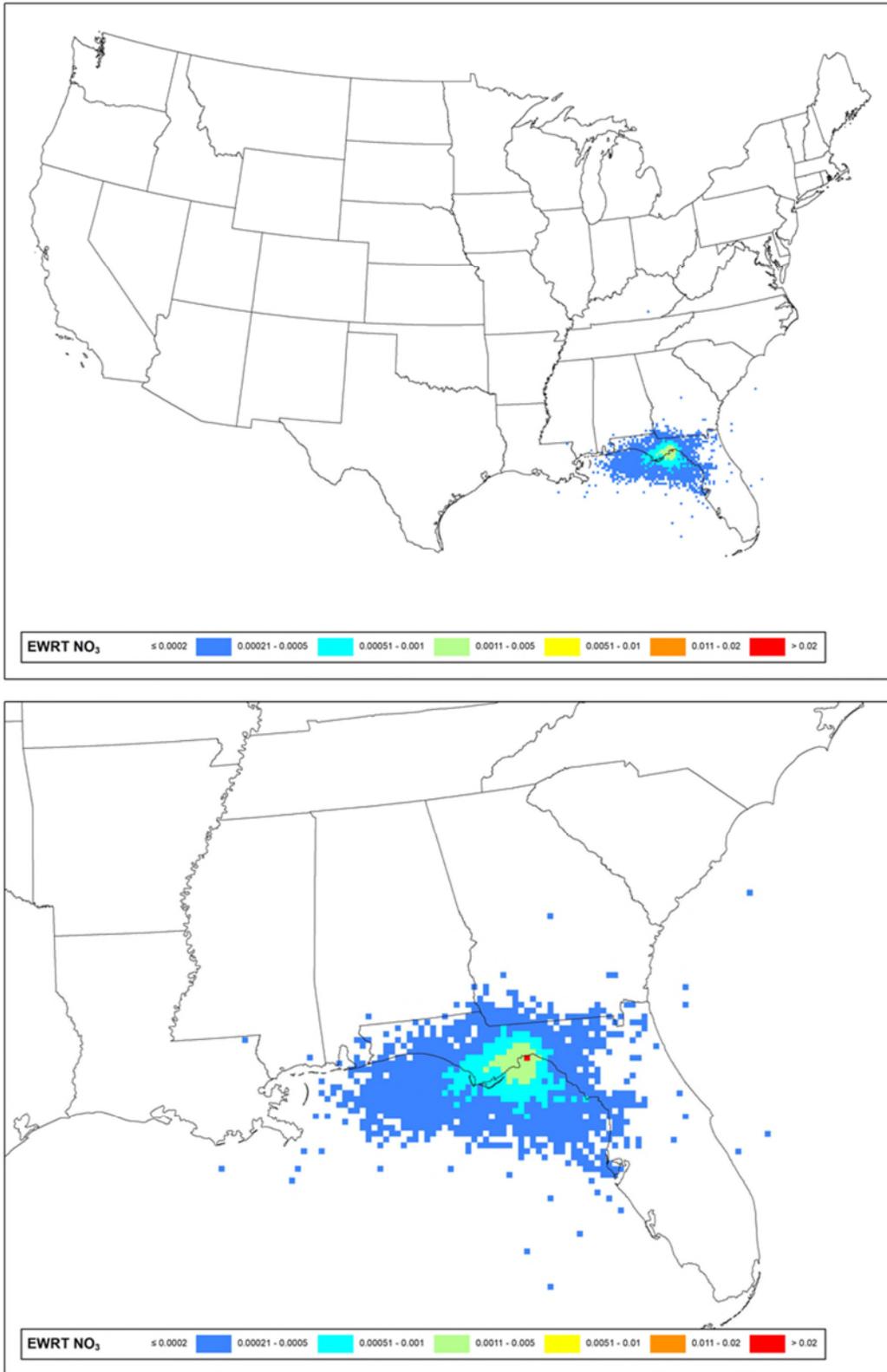


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for St Marks Wilderness Area - Full View (top) and Class I Zoom (bottom)

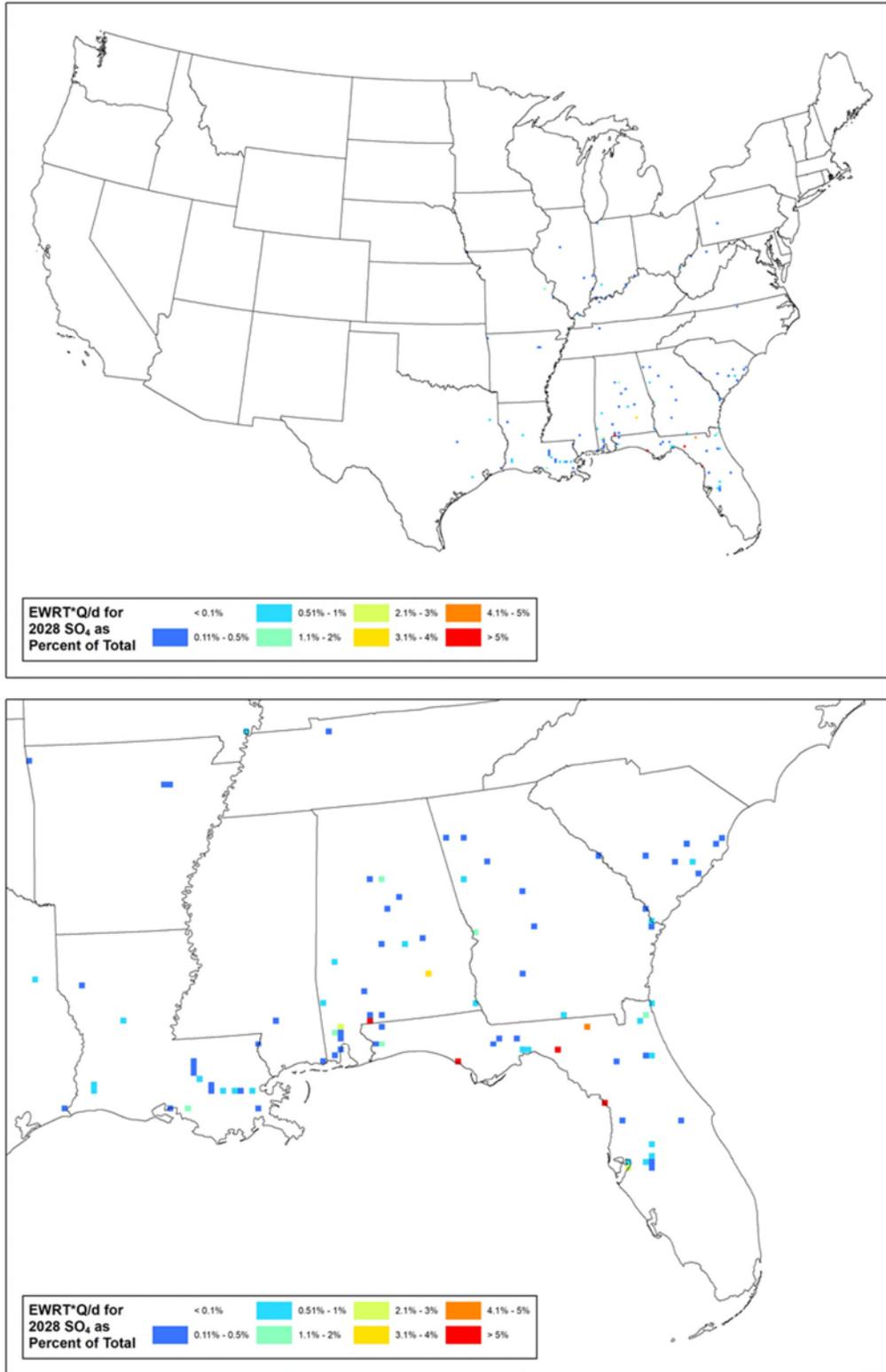


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for St Marks Wilderness Area – Full View (top) and Class I Zoom (bottom)

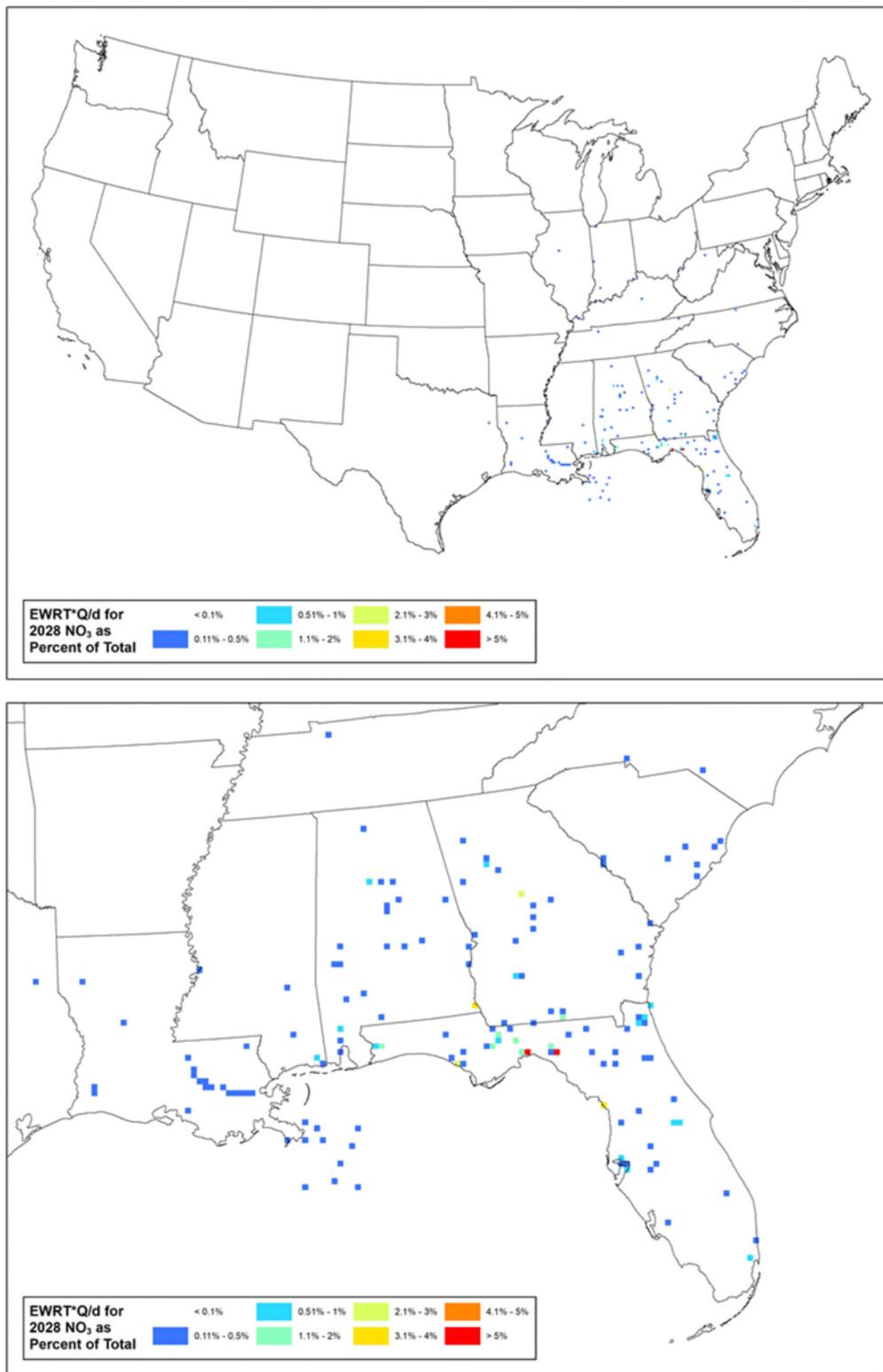


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for St Marks Wilderness Area – Full View (top) and Class I Zoom (bottom)

Shenandoah National Park

Class1 site: 35 Year: 2011-2016 Height: 100.00

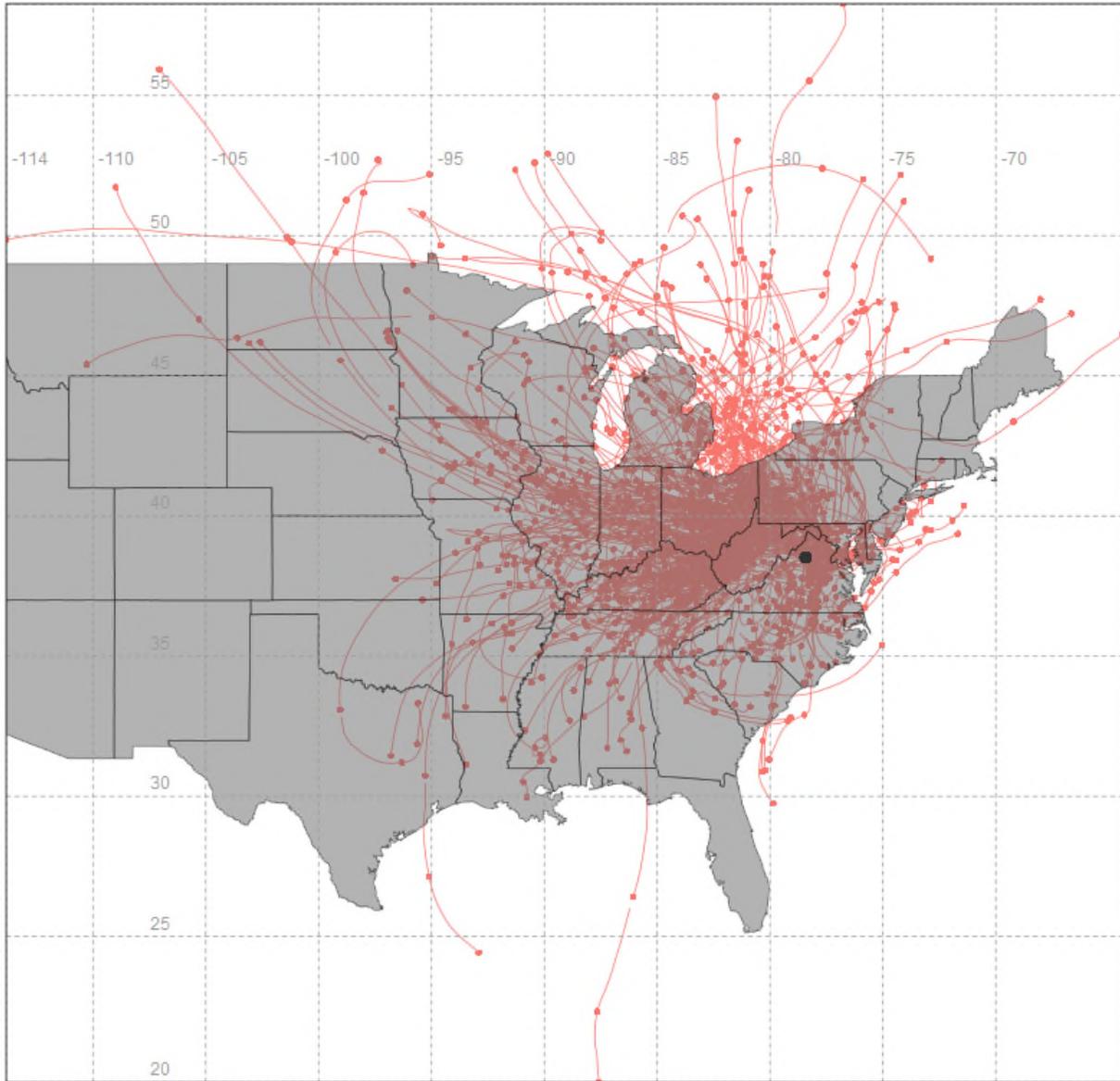


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Shenandoah National Park

Class1 site: 35 Year: 2011-2016 Height: 100.00

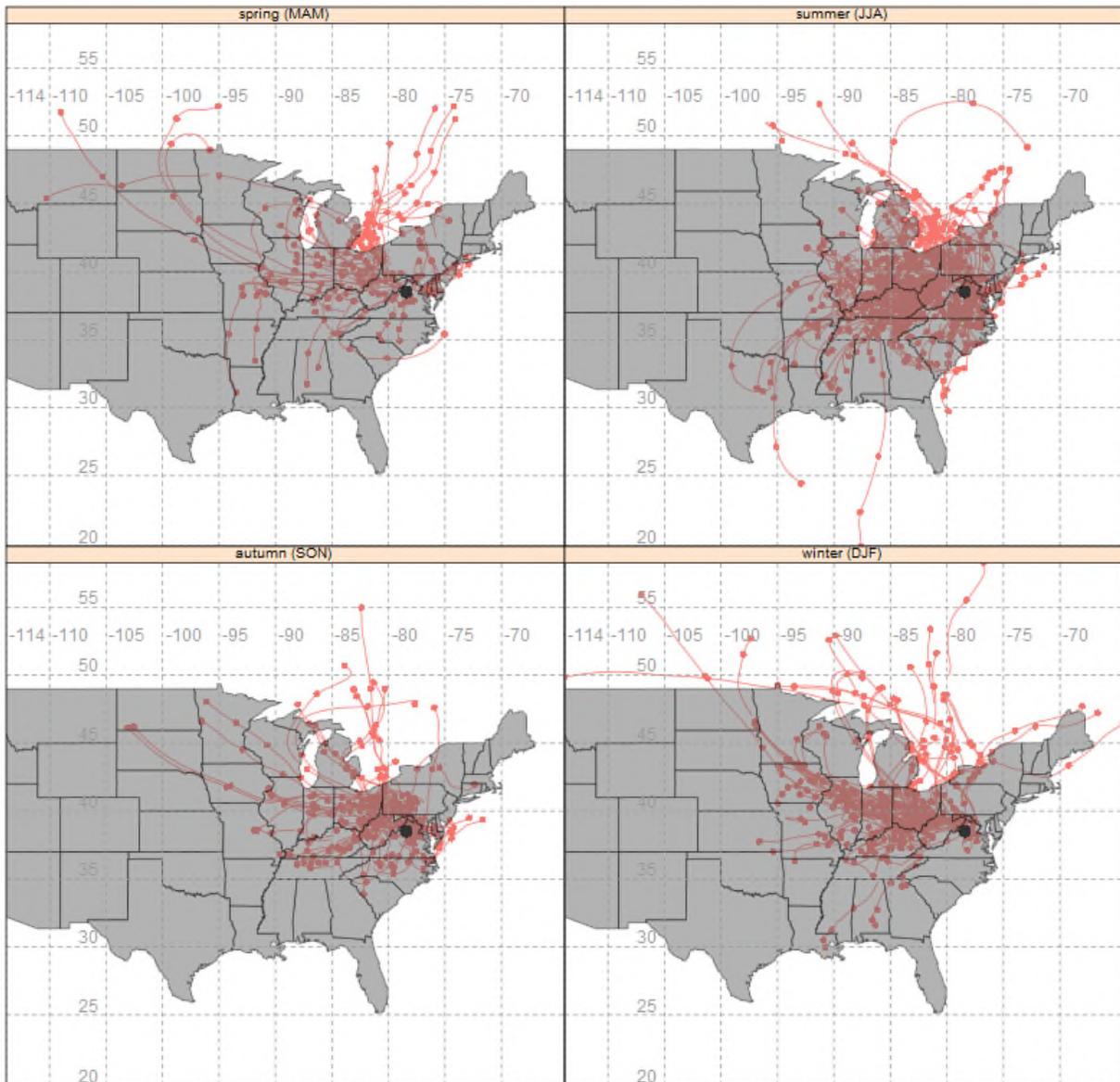


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Shenandoah National Park

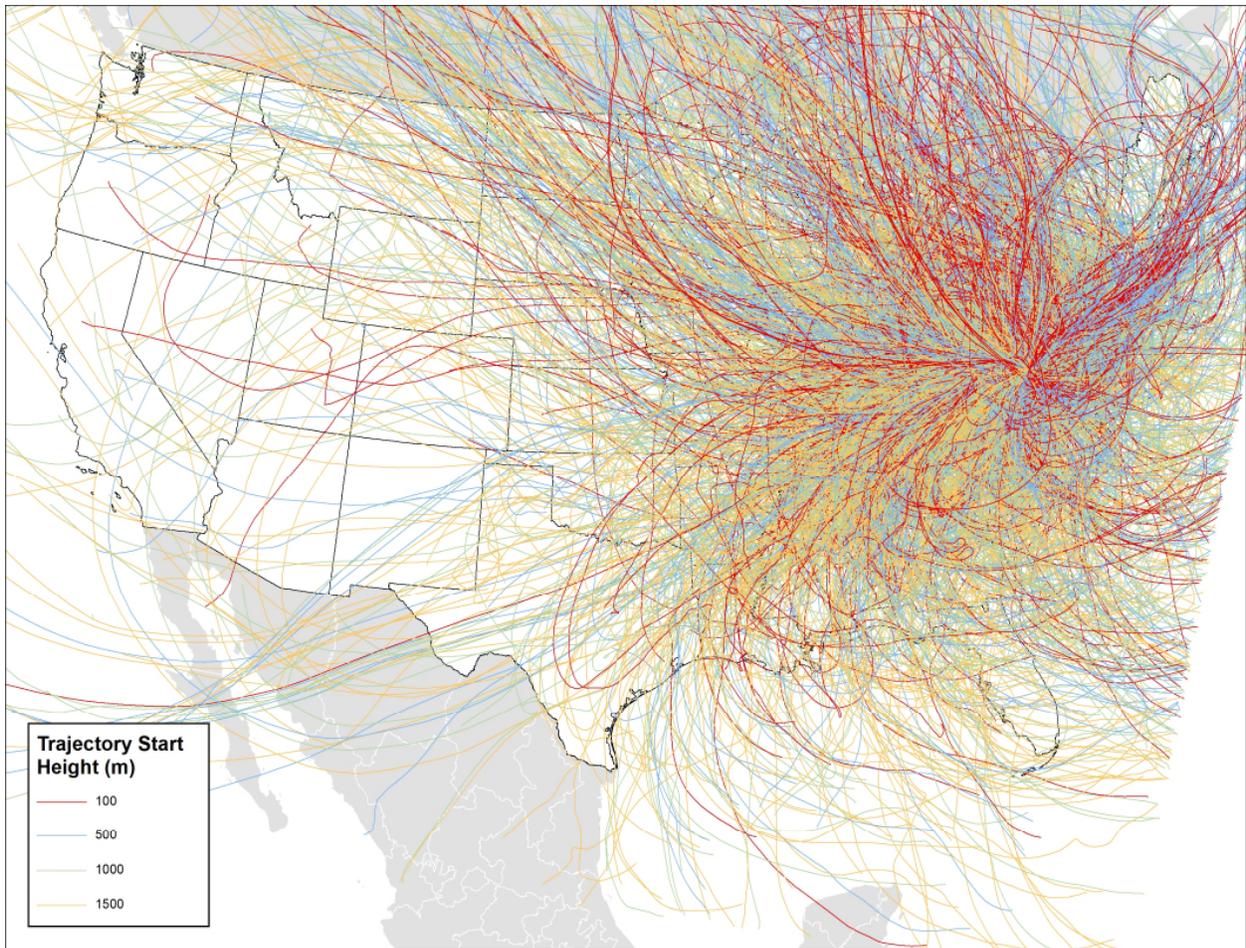


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Shenandoah National Park

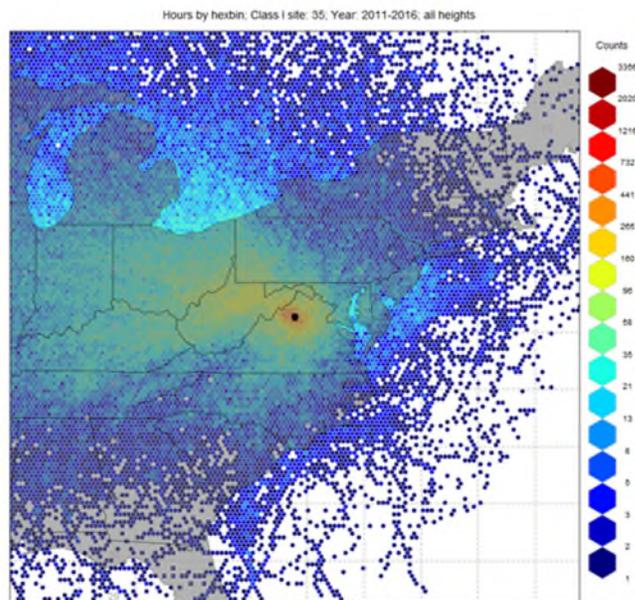
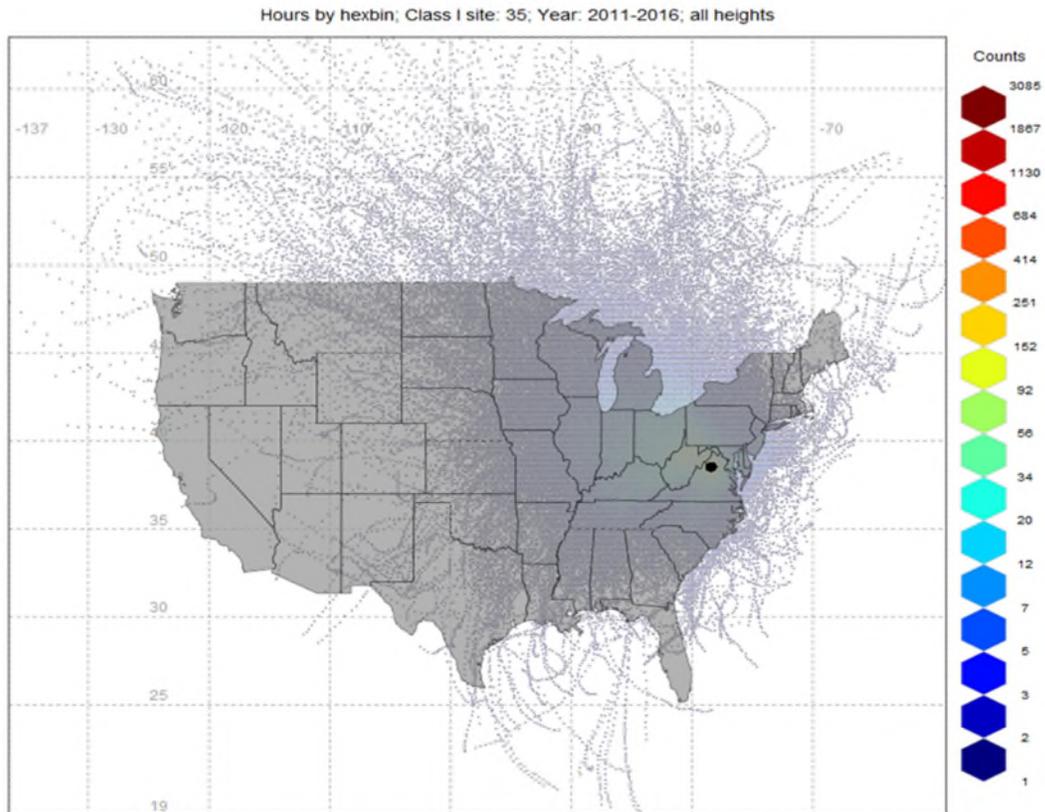


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Shenandoah National Park – Full View (top) and Class I Zoom (bottom)

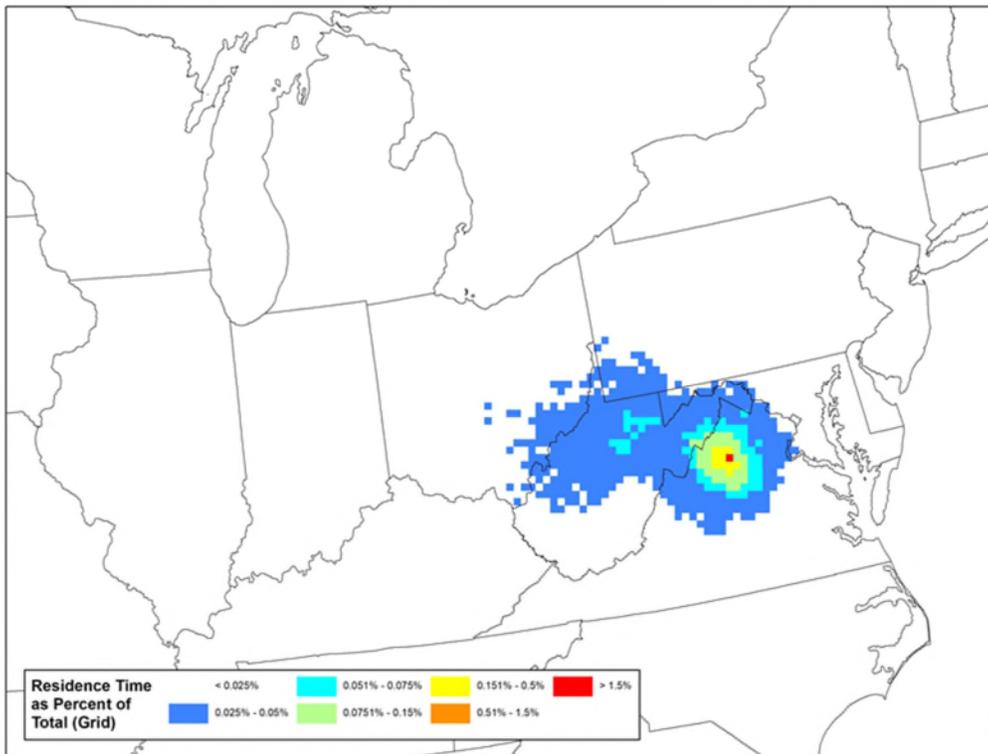
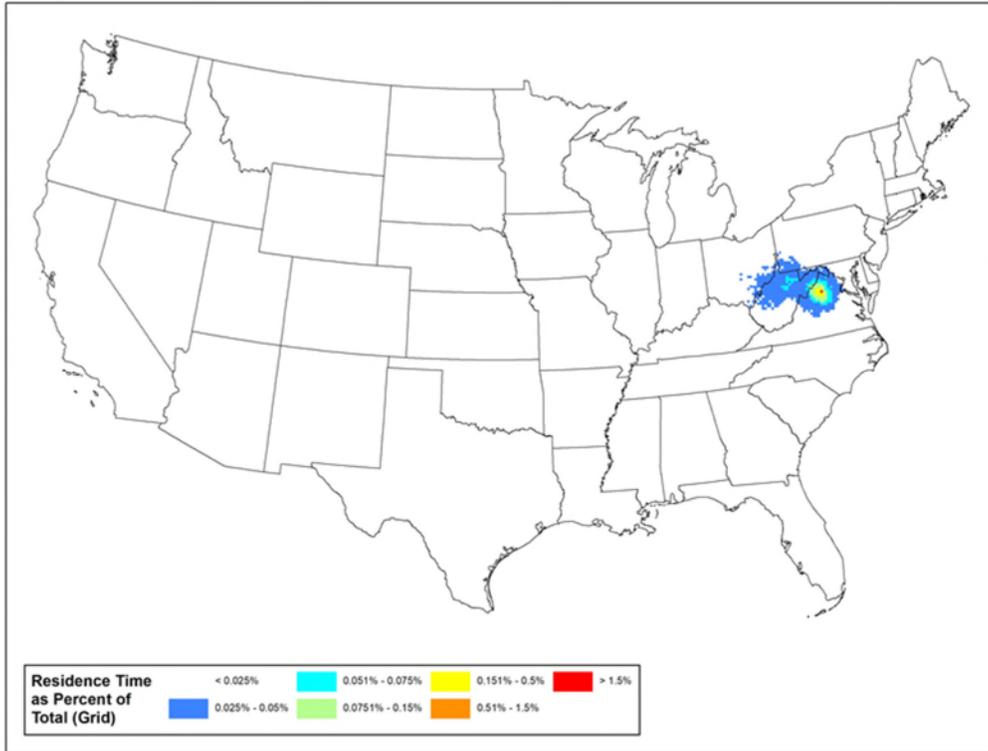


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Shenandoah National Park – Full View (top) and Class I Zoom (bottom))

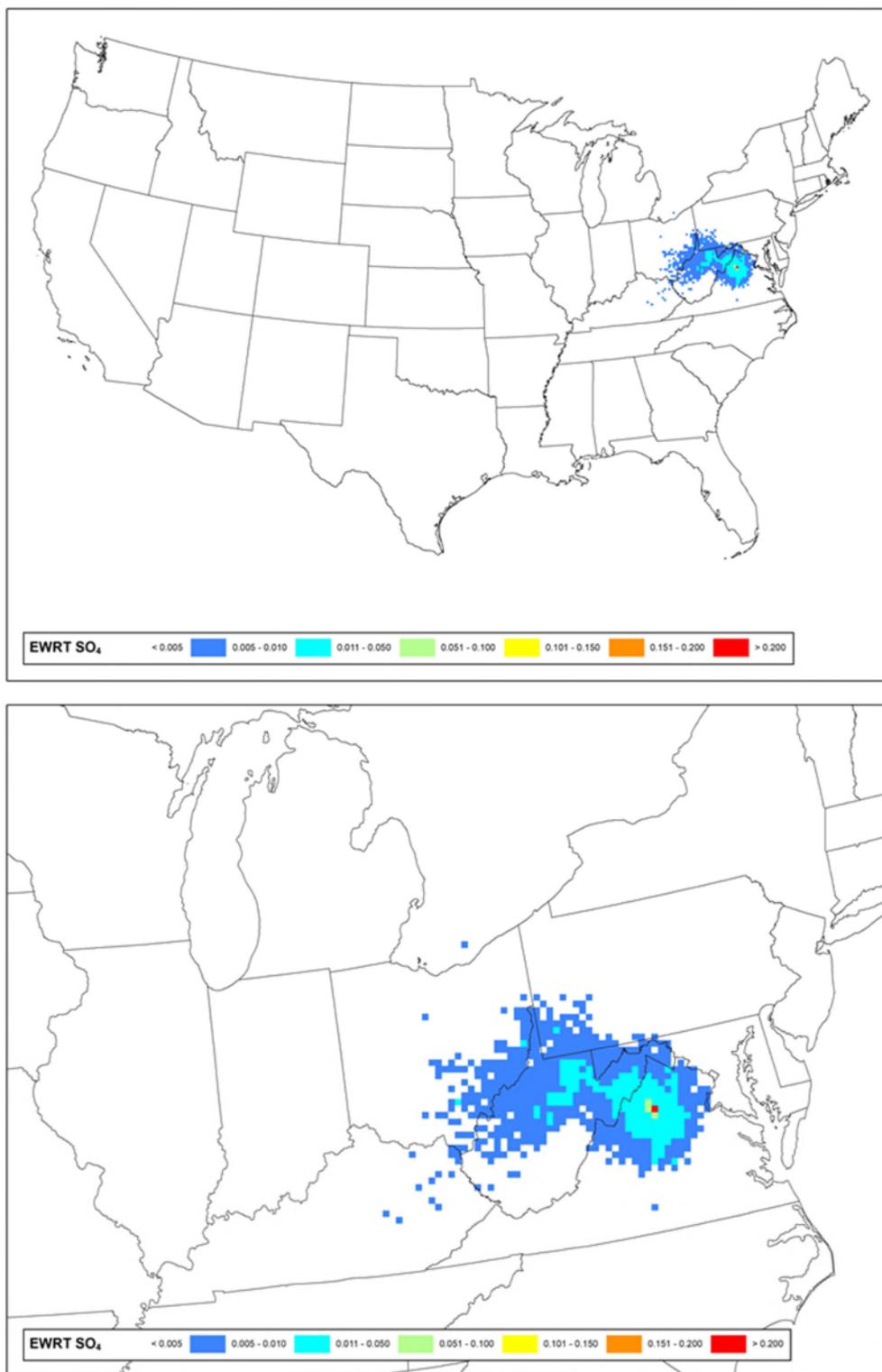


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Shenandoah National Park - Full View (top) and Class I Zoom (bottom)

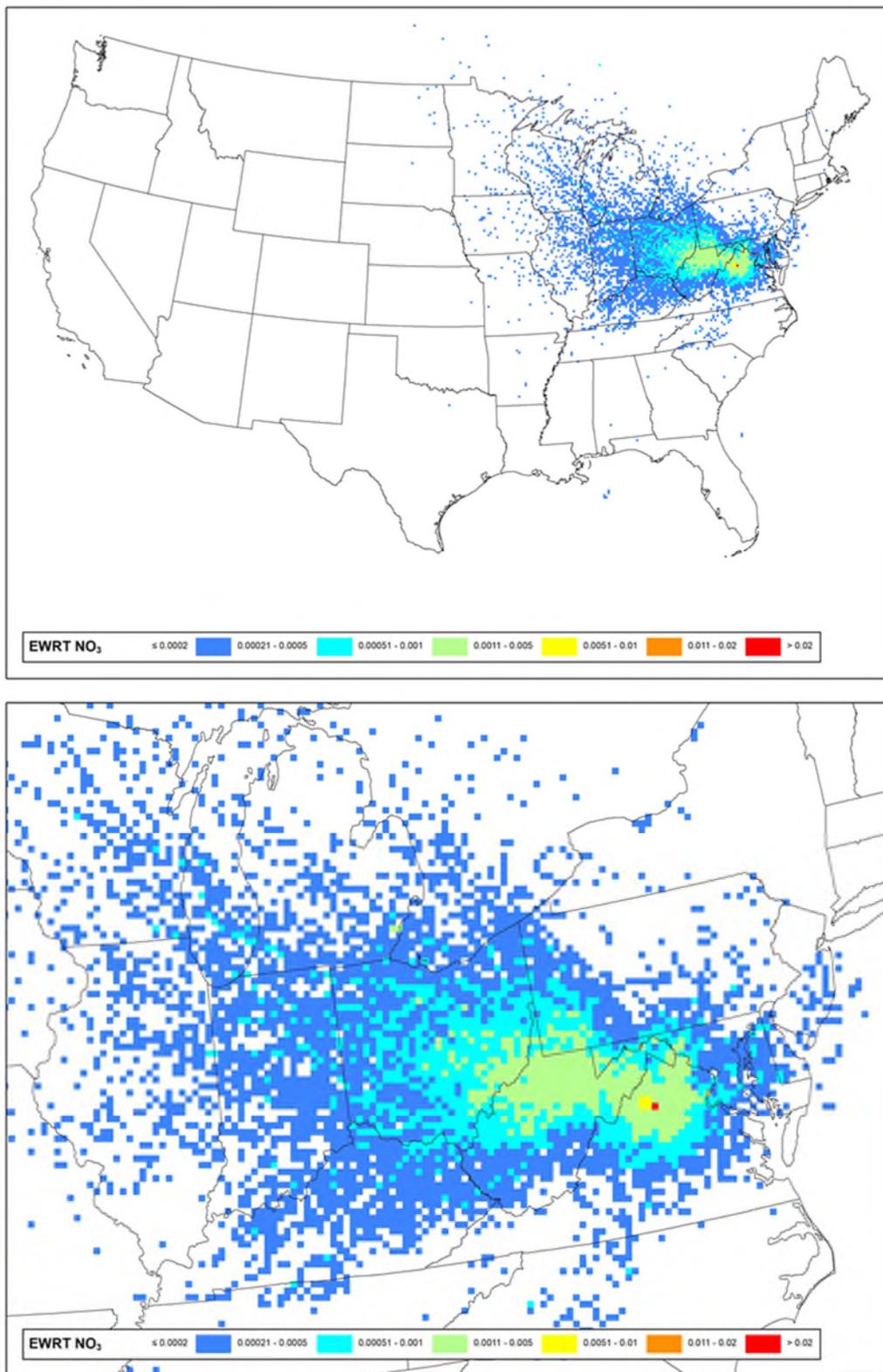


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Shenandoah National Park - Full View (top) and Class I Zoom (bottom)

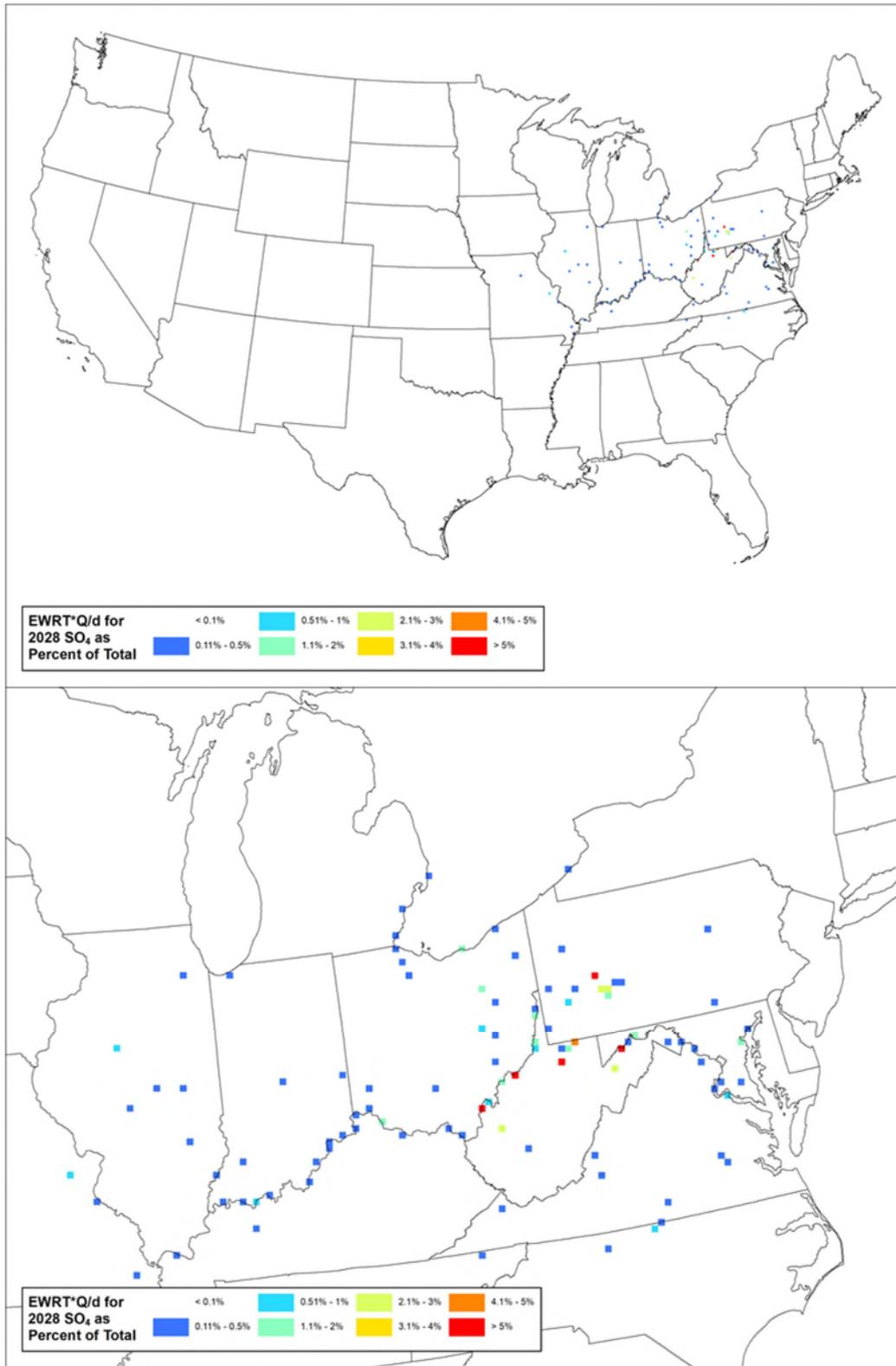


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Shenandoah National Park – Full View (top) and Class I Zoom (bottom)

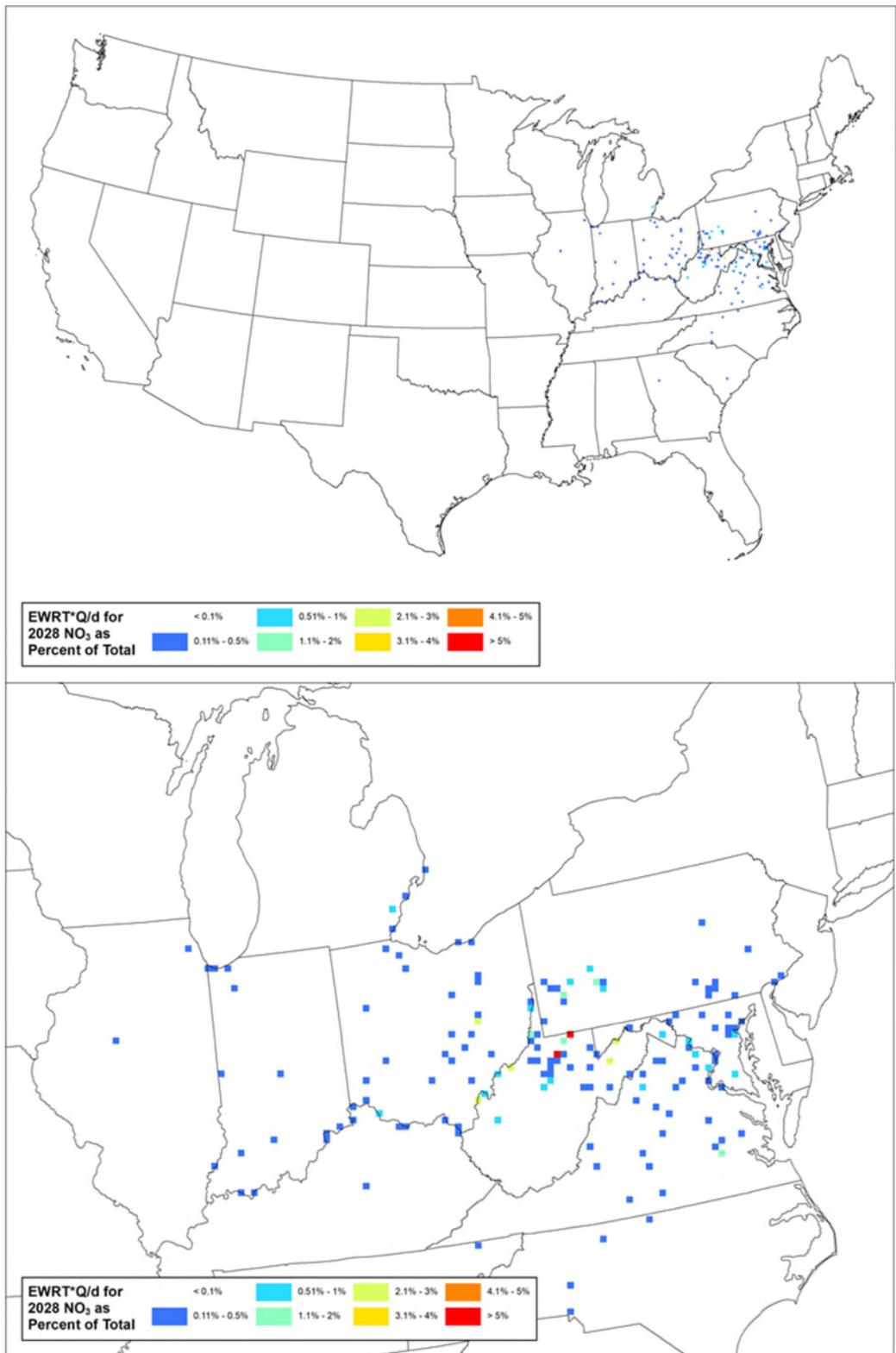


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Shenandoah National Park – Full View (top) and Class I Zoom (bottom)

Shining Rock Wilderness Area

Class1 site: 36 Year: 2011-2016 Height: 100.00

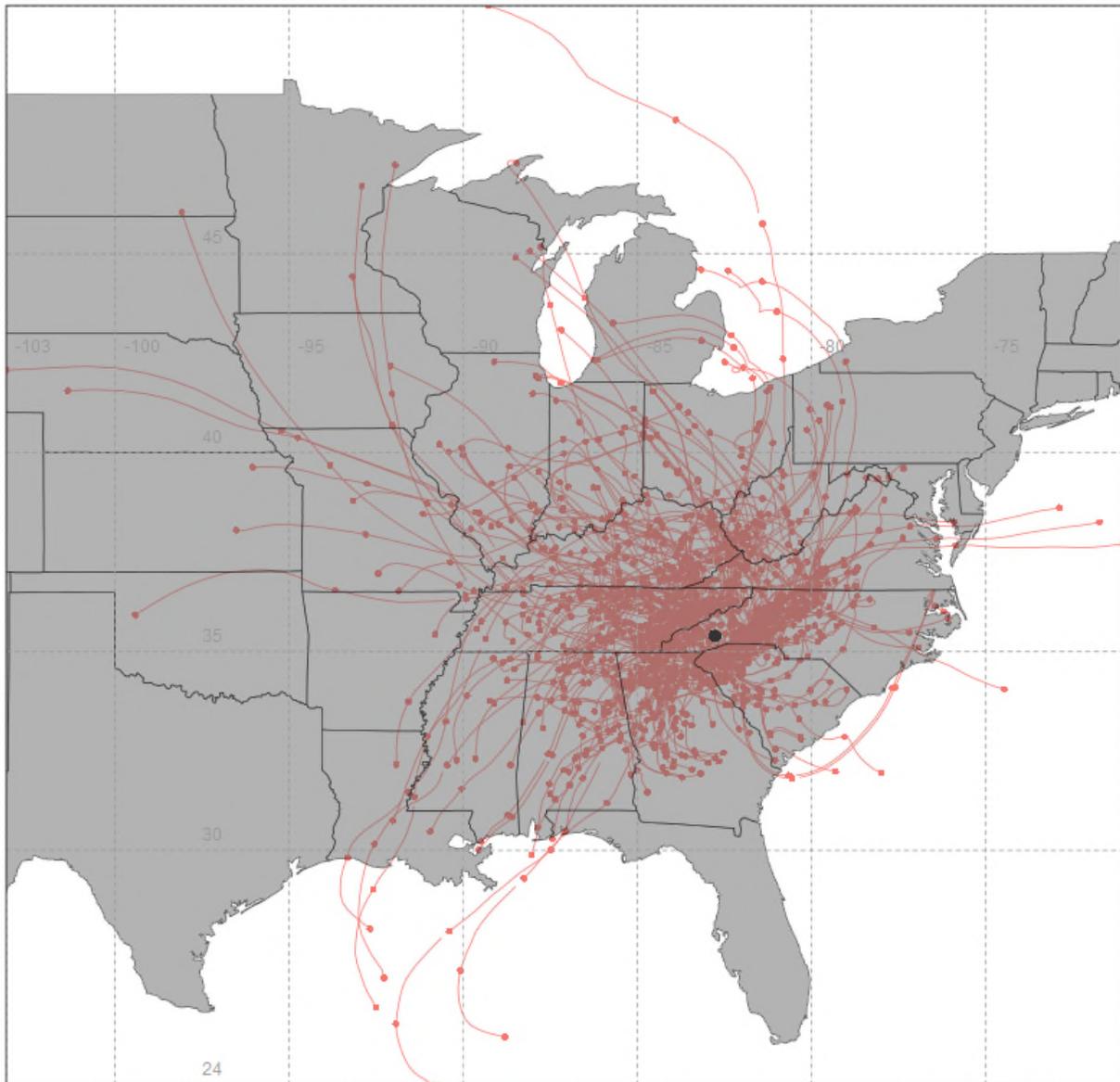


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Shining Rock Wilderness Area

Class1 site: 36 Year: 2011-2016 Height: 100.00

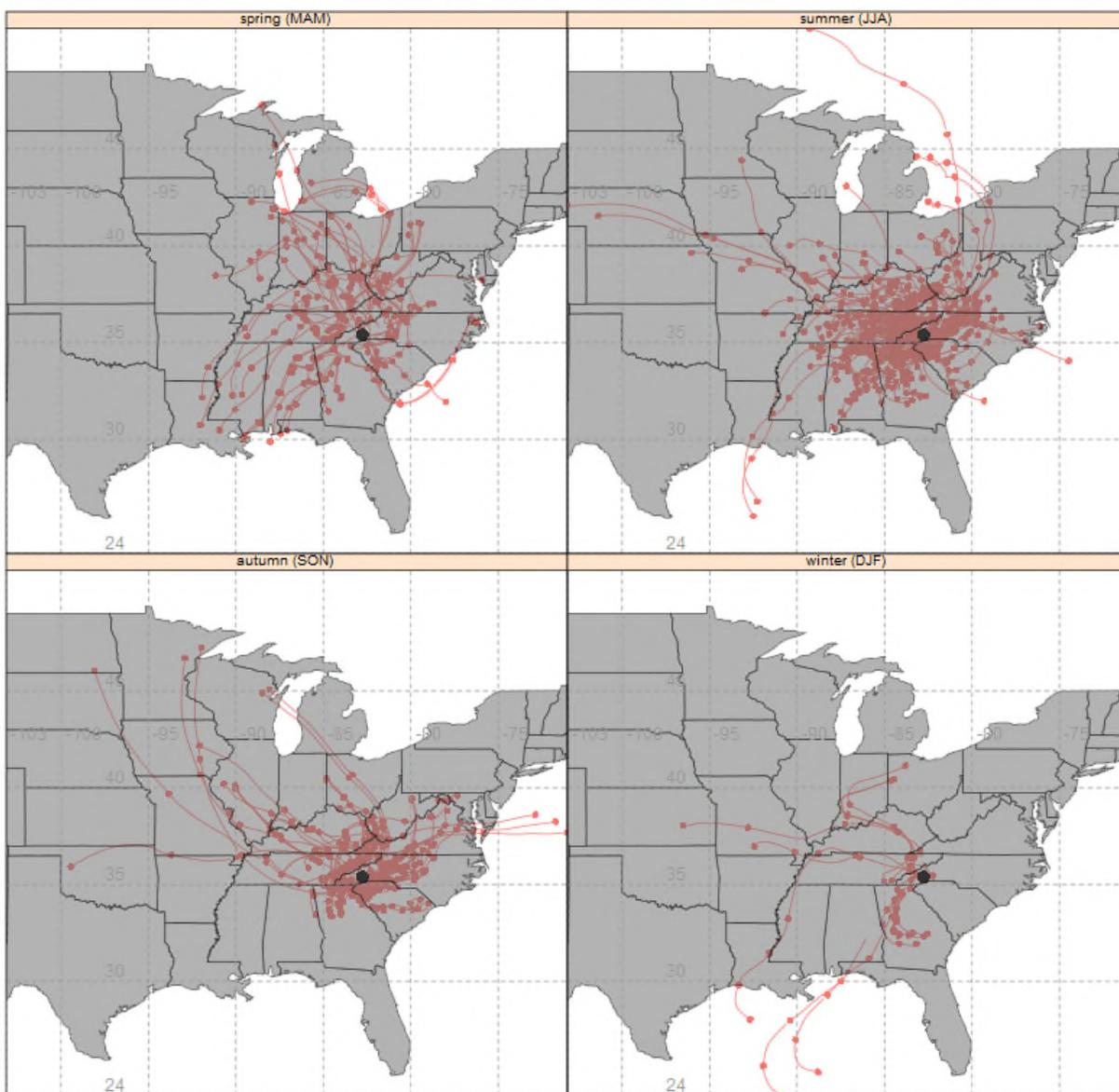


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Shining Rock Wilderness Area

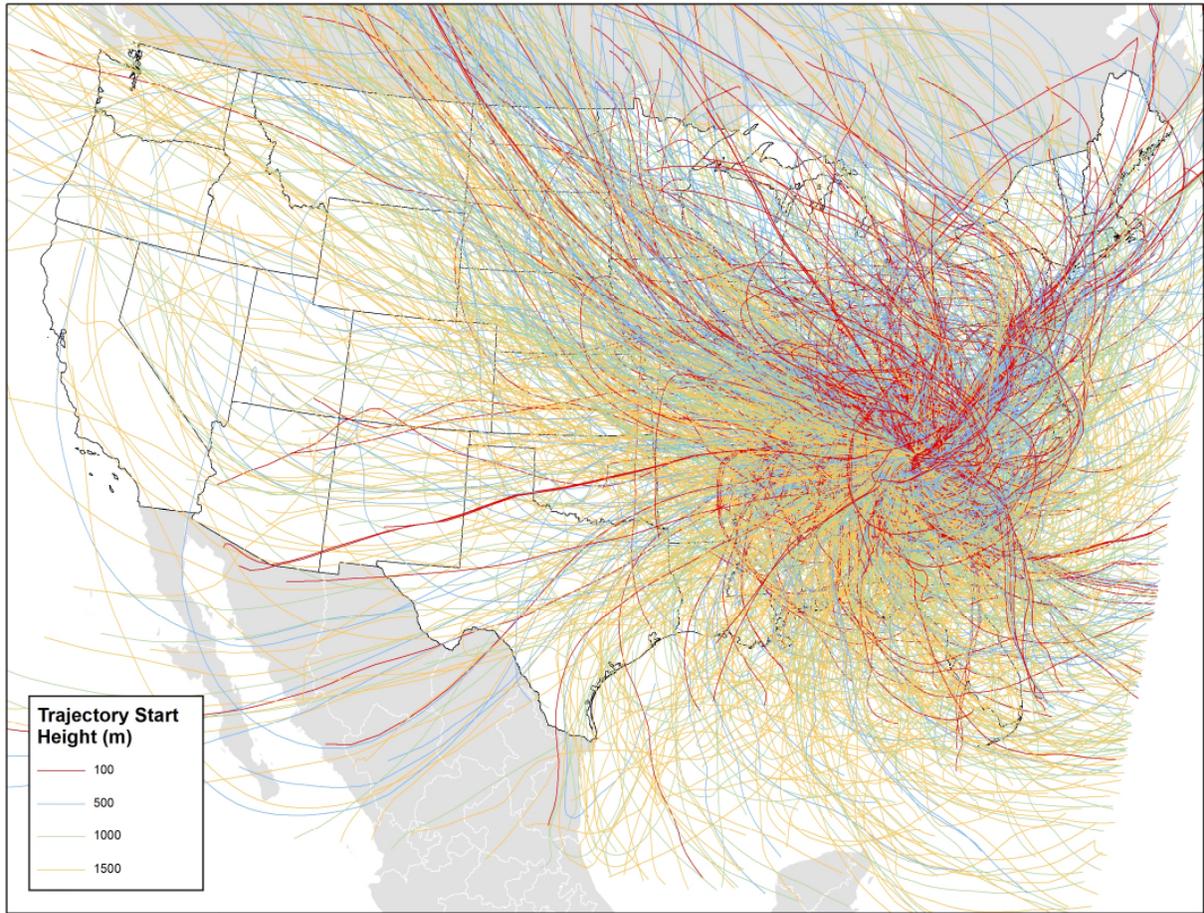


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Shining Rock Wilderness Area

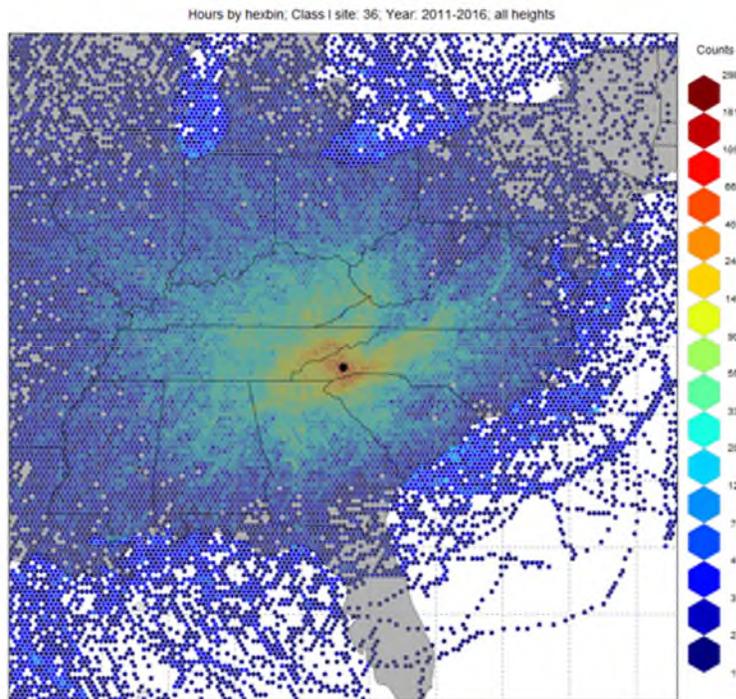
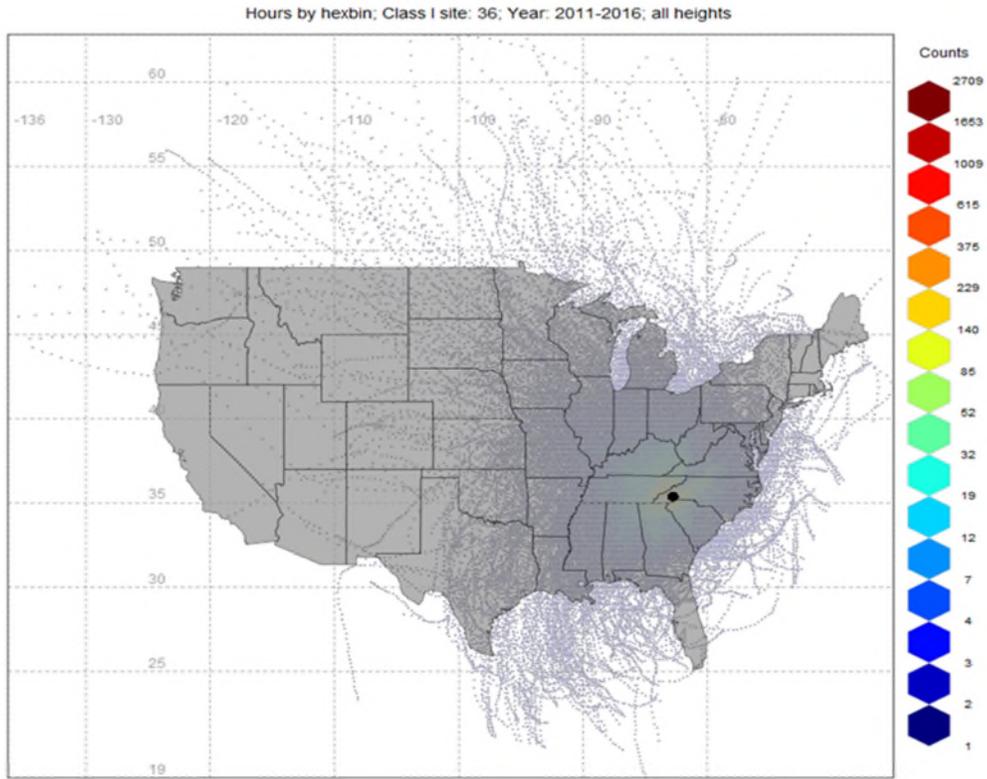


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Shining Rock Wilderness Area – Full View (top) and Class I Zoom (bottom)

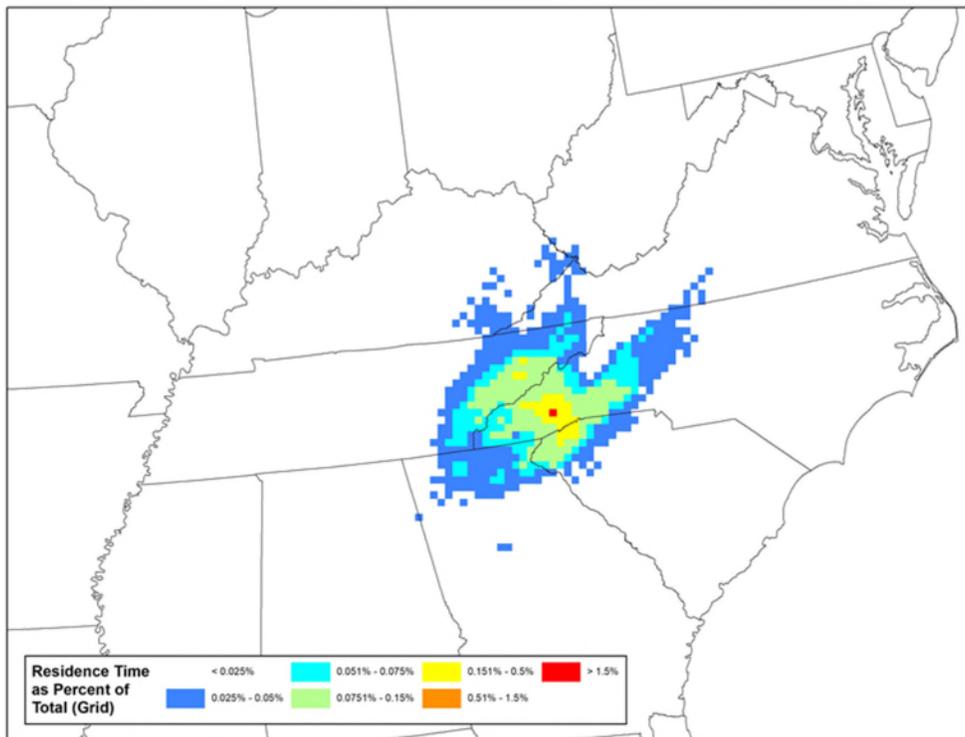
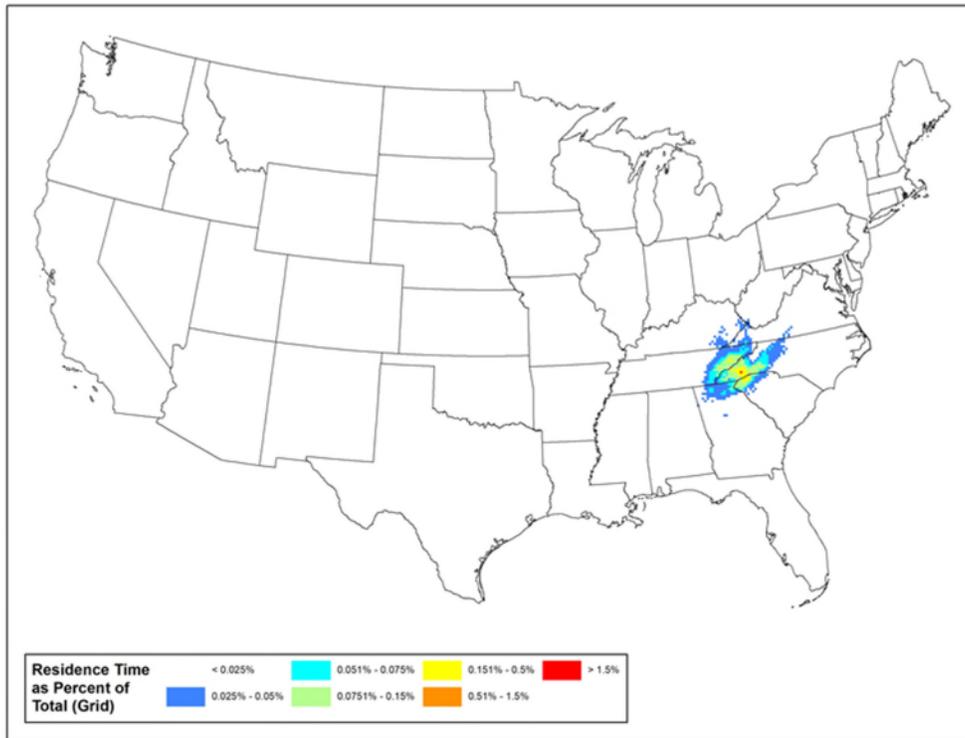


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Shining Rock Wilderness Area – Full View (top) and Class I Zoom (bottom)

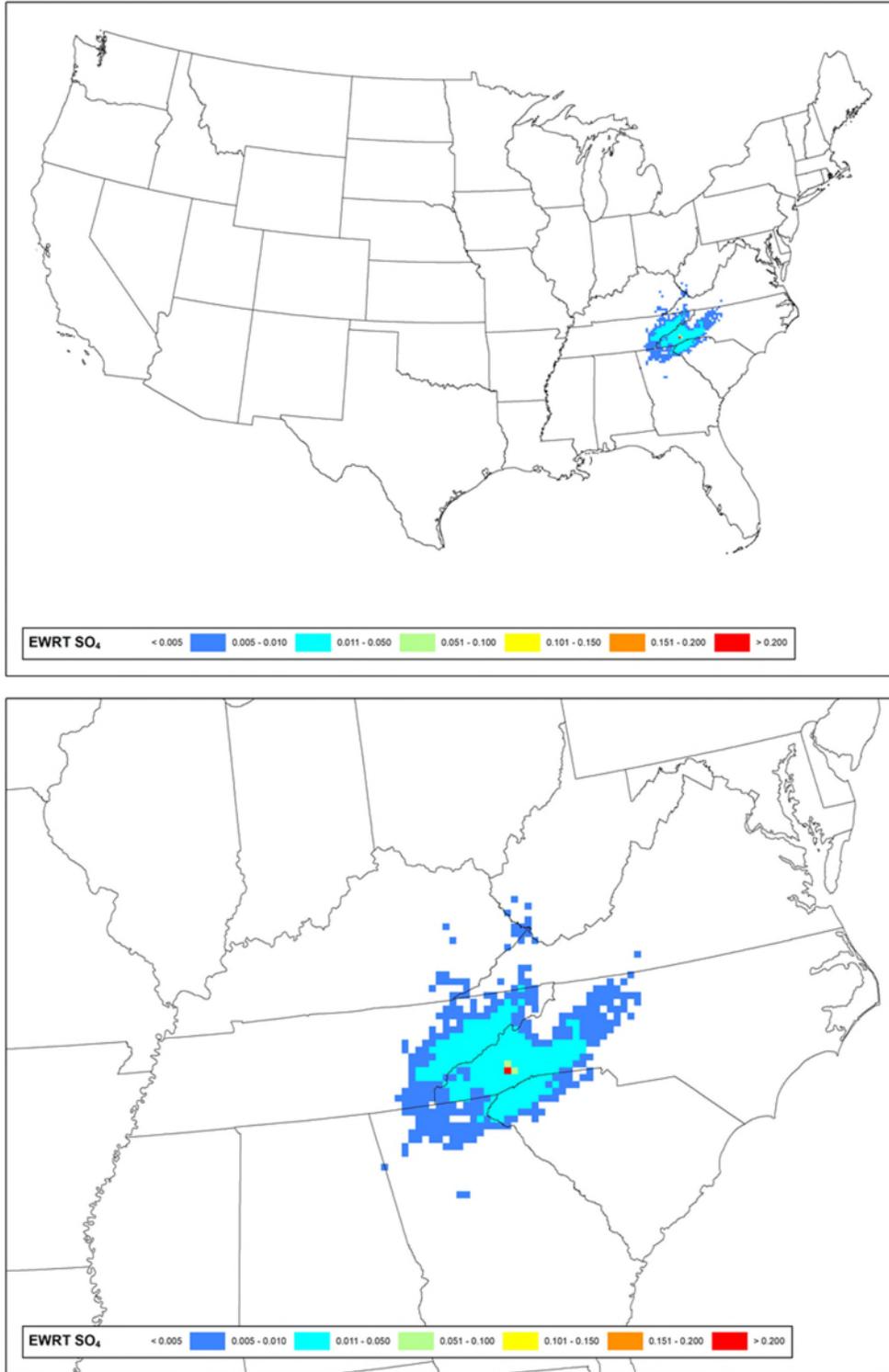


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Shining Rock Wilderness Area - Full View (top) and Class I Zoom (bottom)

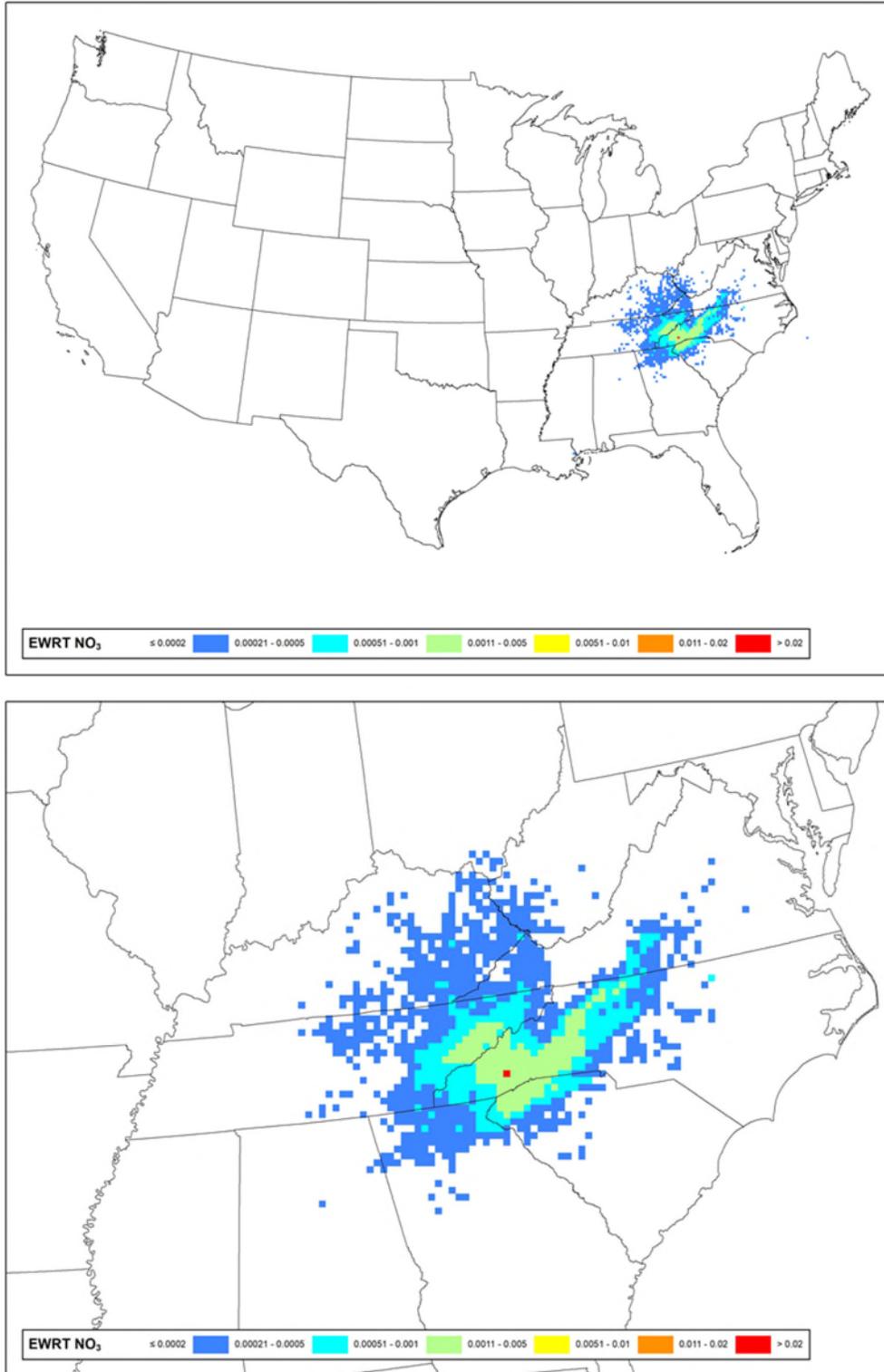


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Shining Rock Wilderness Area - Full View (top) and Class I Zoom (bottom)

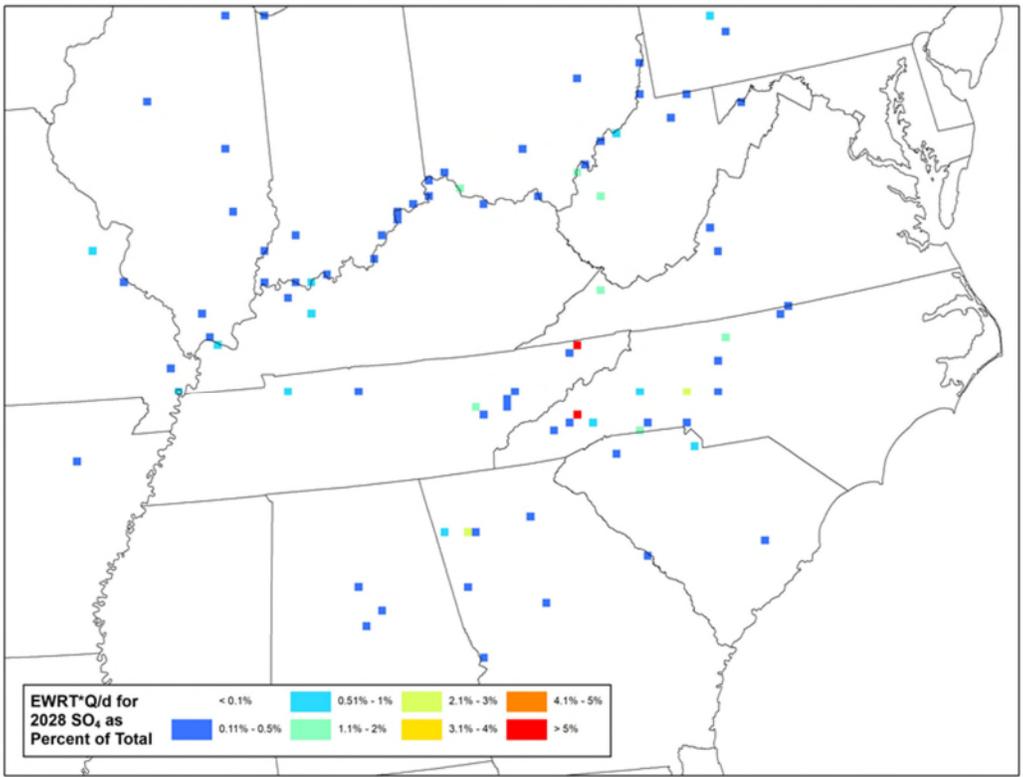
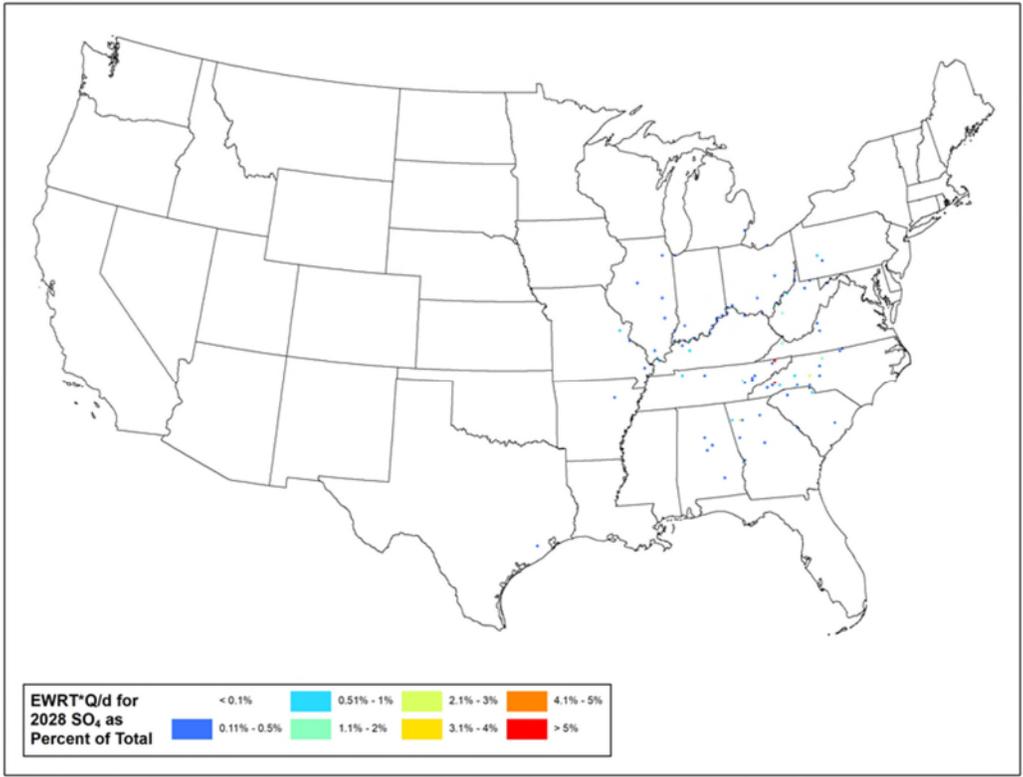


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Shining Rock Wilderness Area – Full View (top) and Class I Zoom (bottom)

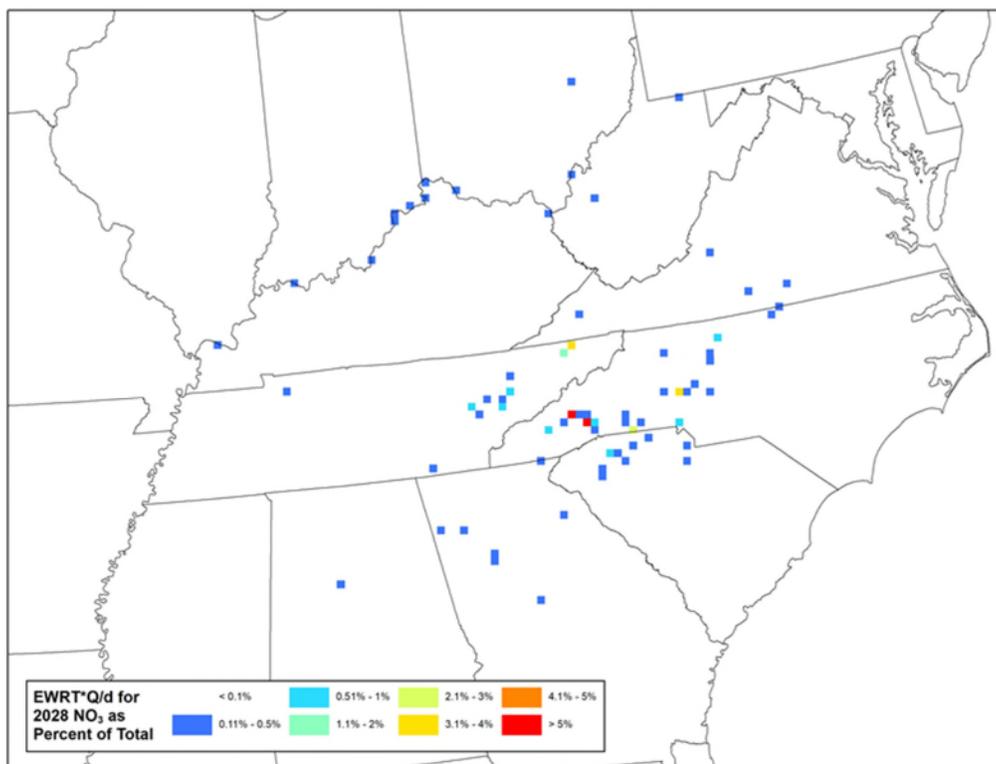
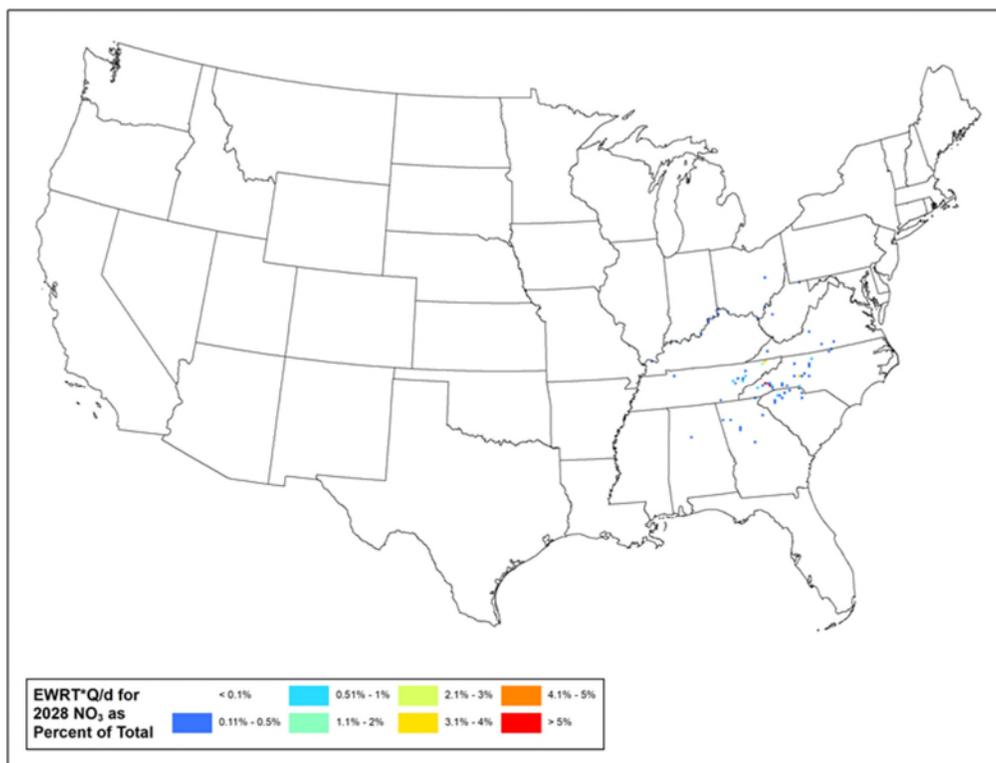


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Shining Rock Wilderness Area – Full View (top) and Class I Zoom (bottom)

Sipsey Wilderness Area

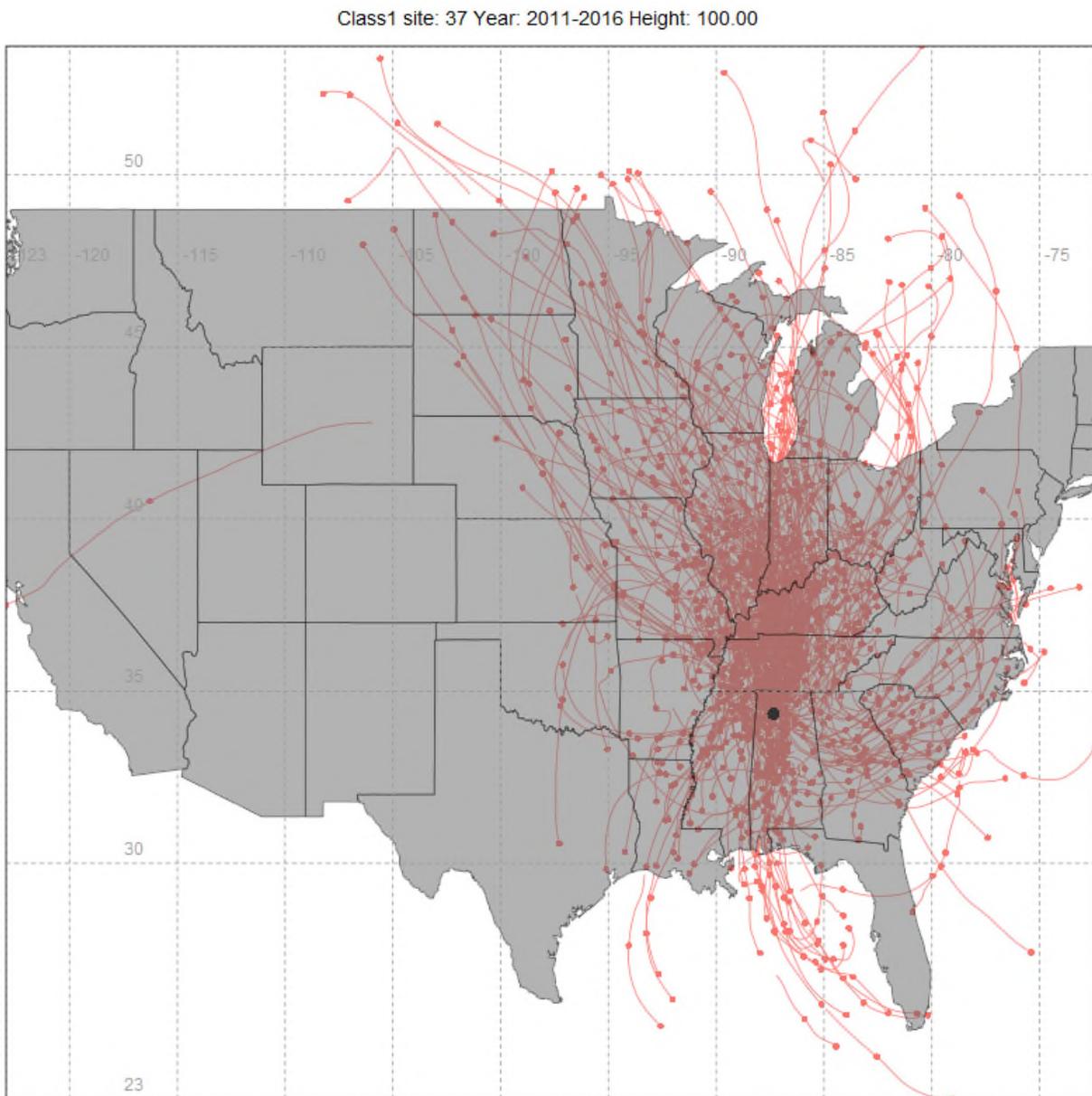


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Sipsey Wilderness Area

Class1 site: 37 Year: 2011-2016 Height: 100.00

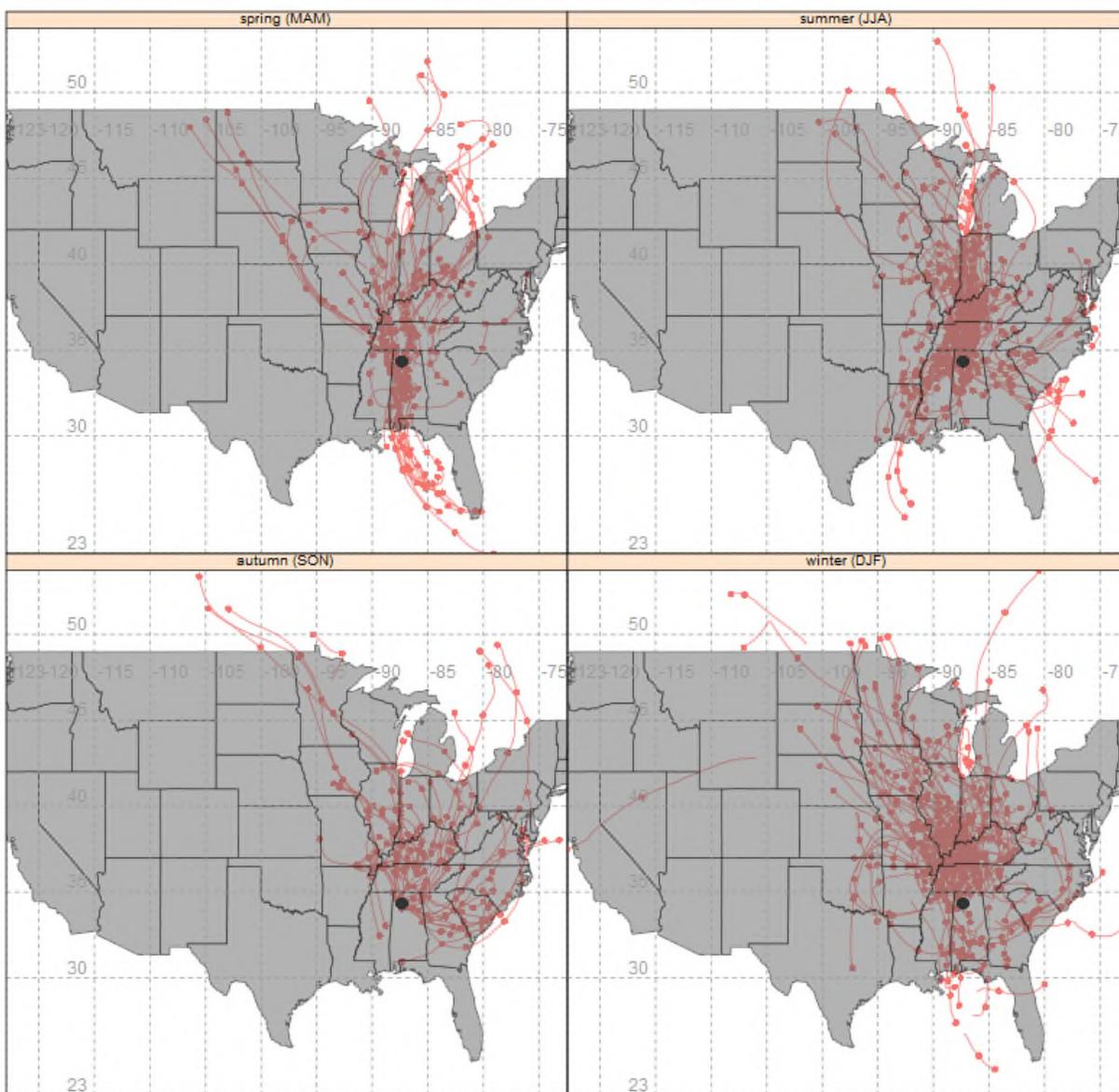


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Sipsey Wilderness Area

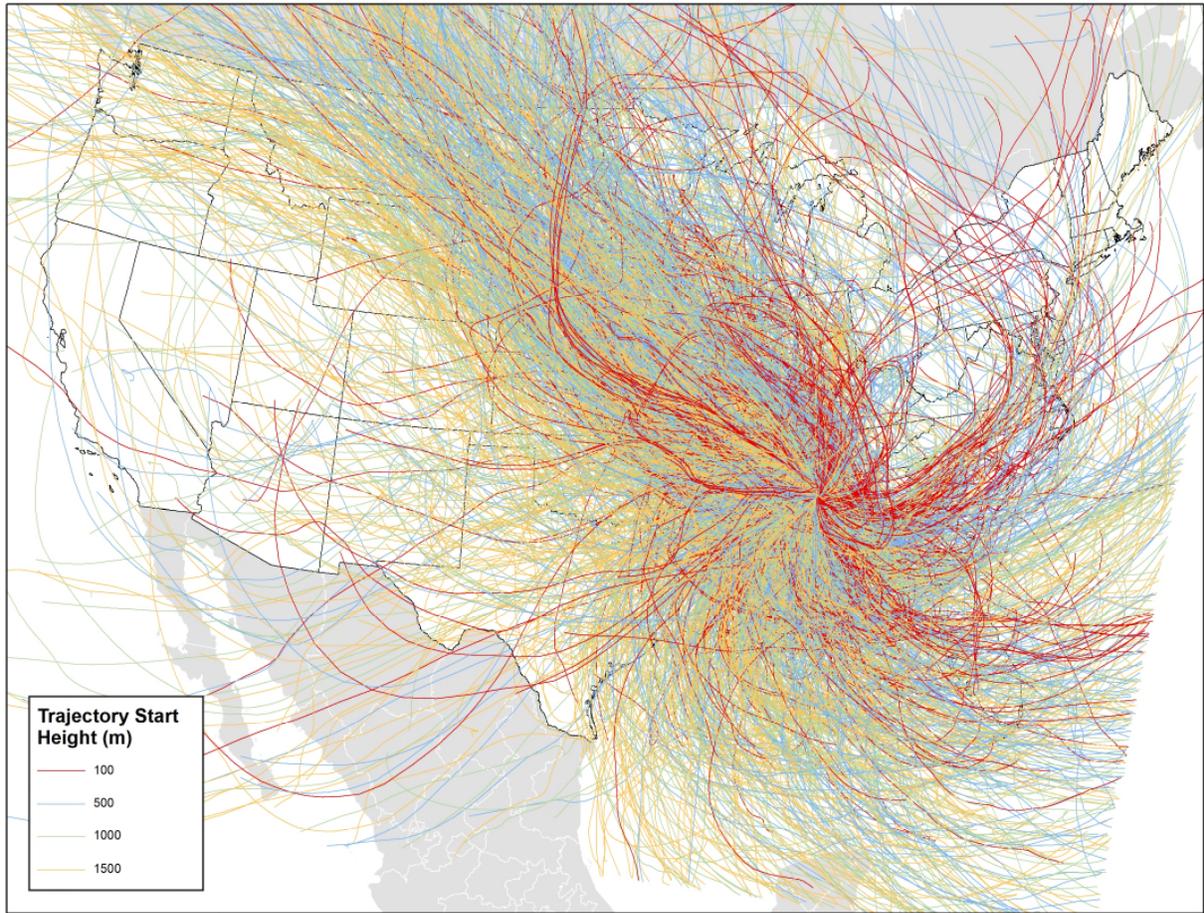


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Sipsey Wilderness Area

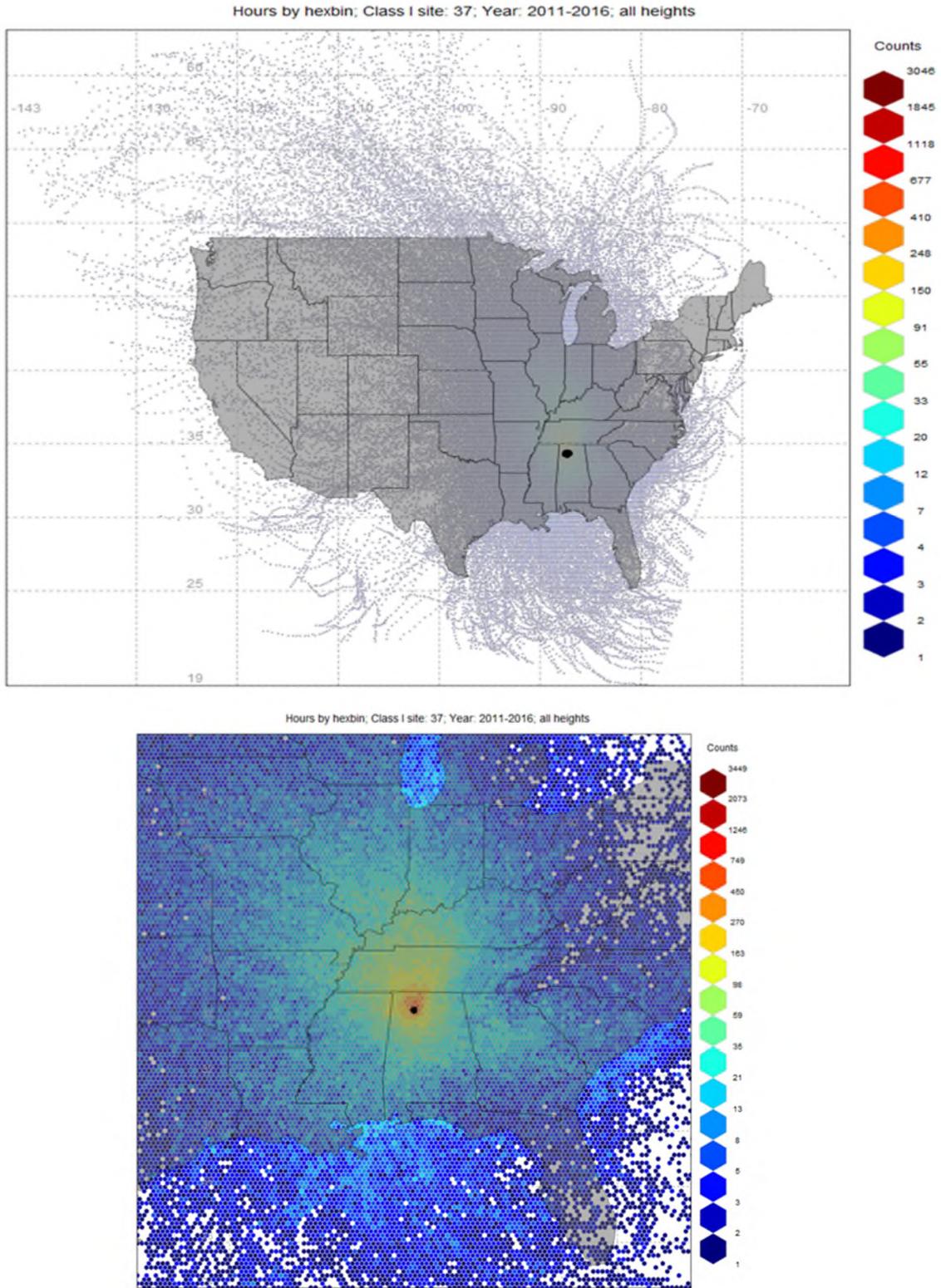


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Sipsey Wilderness Area – Full View (top) and Class I Zoom (bottom)

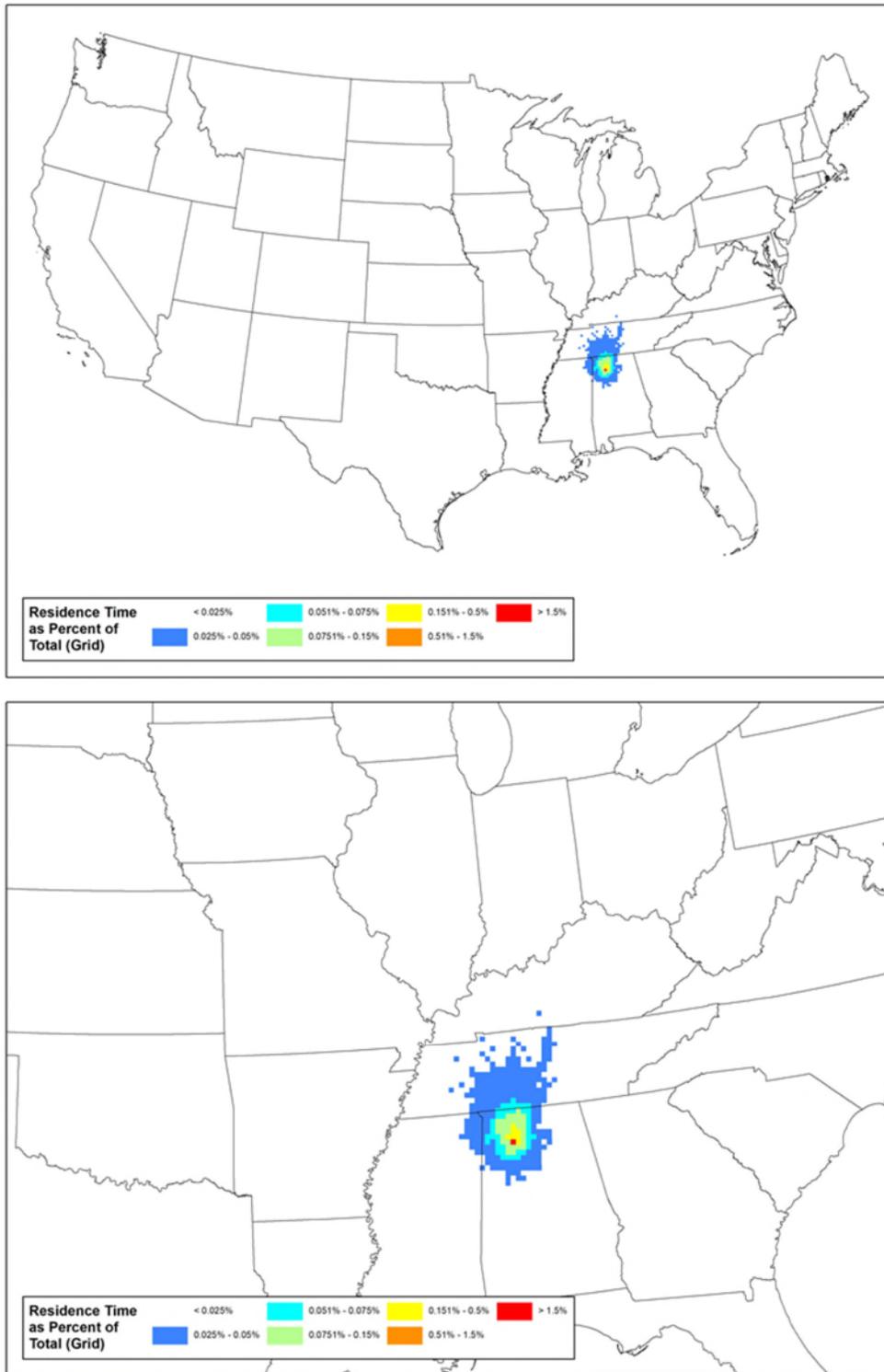


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Sipsey Wilderness Area – Full View (top) and Class I Zoom (bottom))

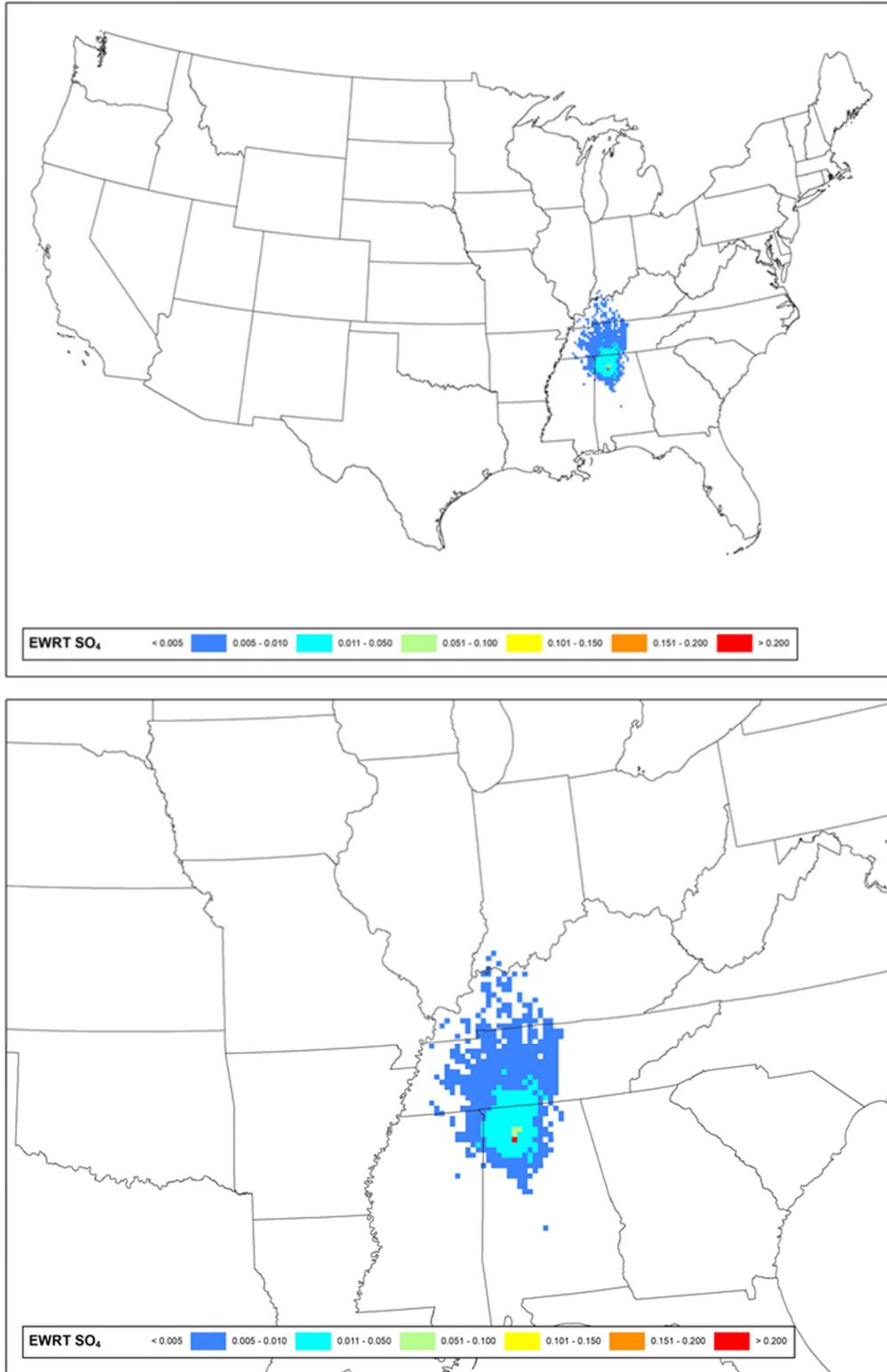


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Sipsy Wilderness Area - Full View (top) and Class I Zoom (bottom)

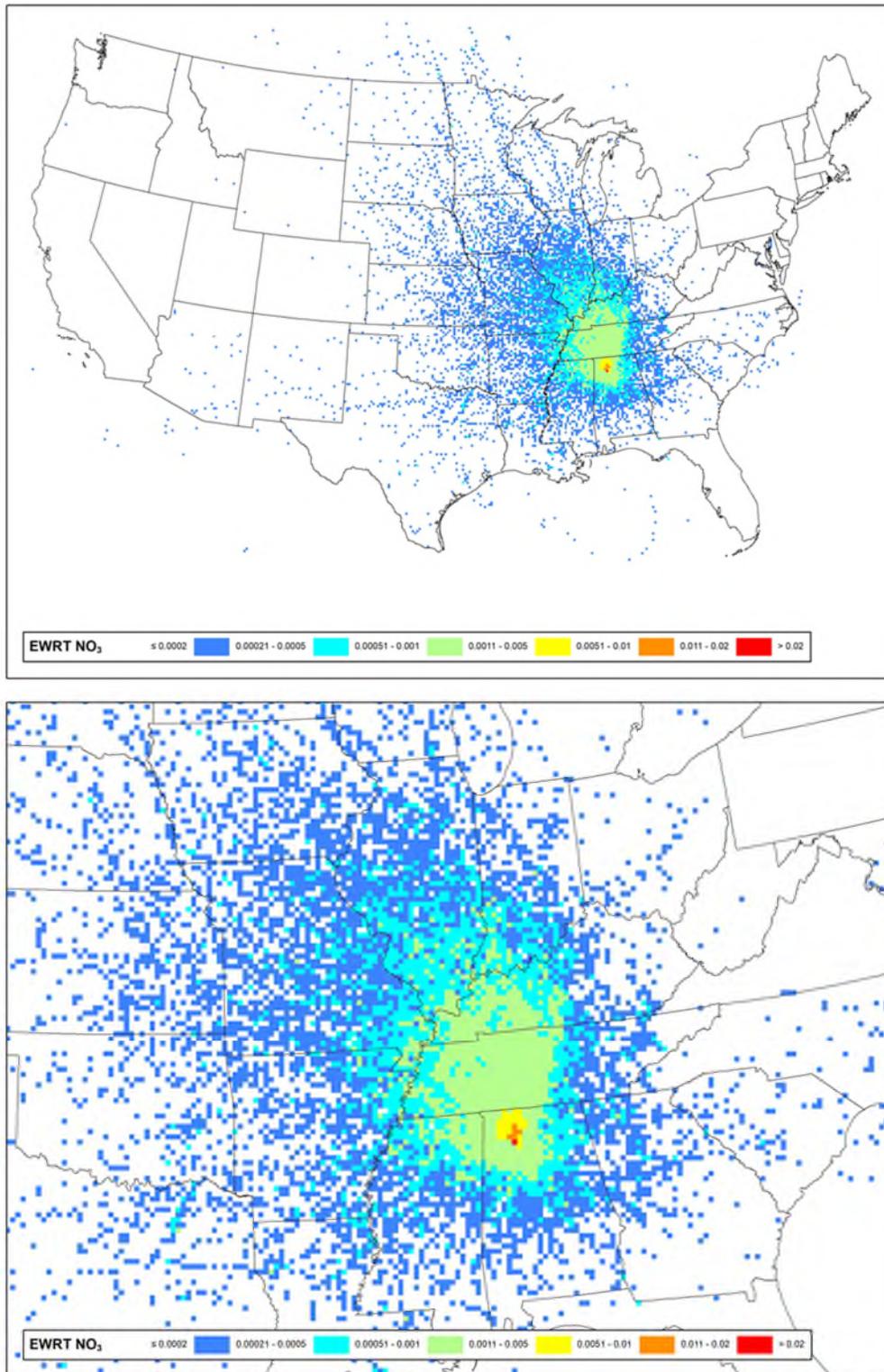


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Sipsy Wilderness Area - Full View (top) and Class I Zoom (bottom)

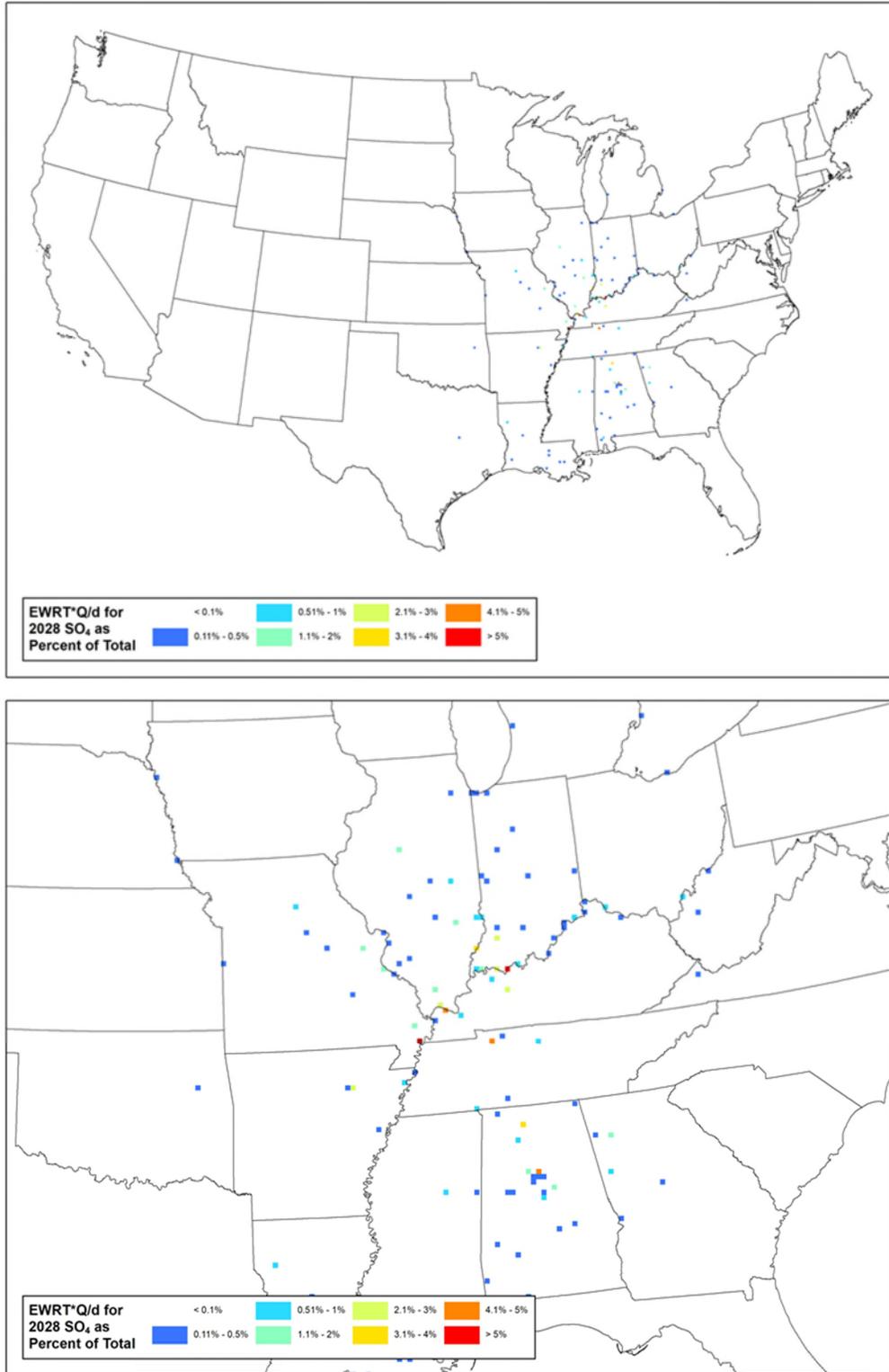


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Sipsy Wilderness Area – Full View (top) and Class I Zoom (bottom)

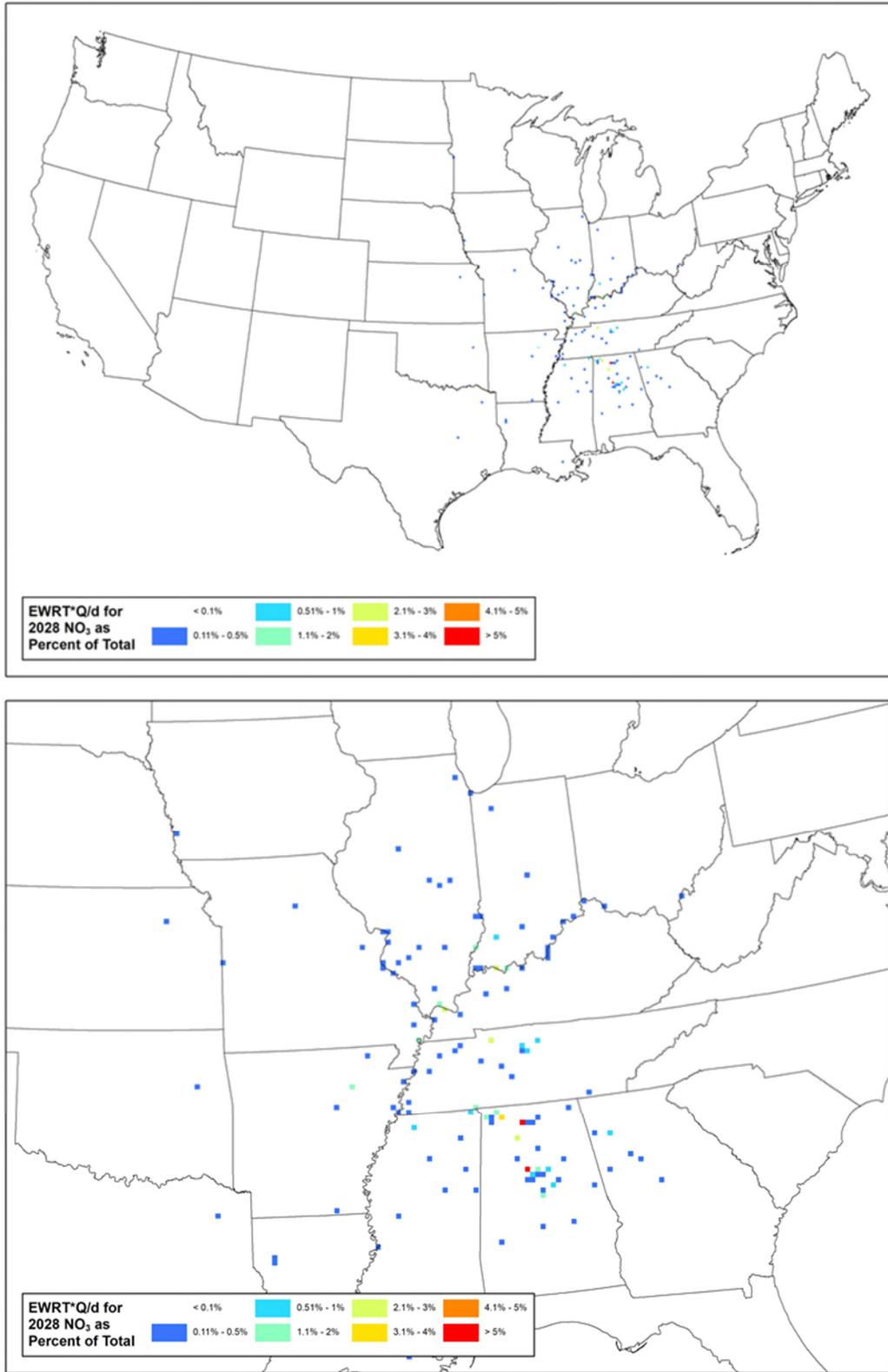


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Sipsey Wilderness Area – Full View (top) and Class I Zoom (bottom)

Swanquarter Wilderness Area

Class1 site: 38 Year: 2011-2016 Height: 100.00

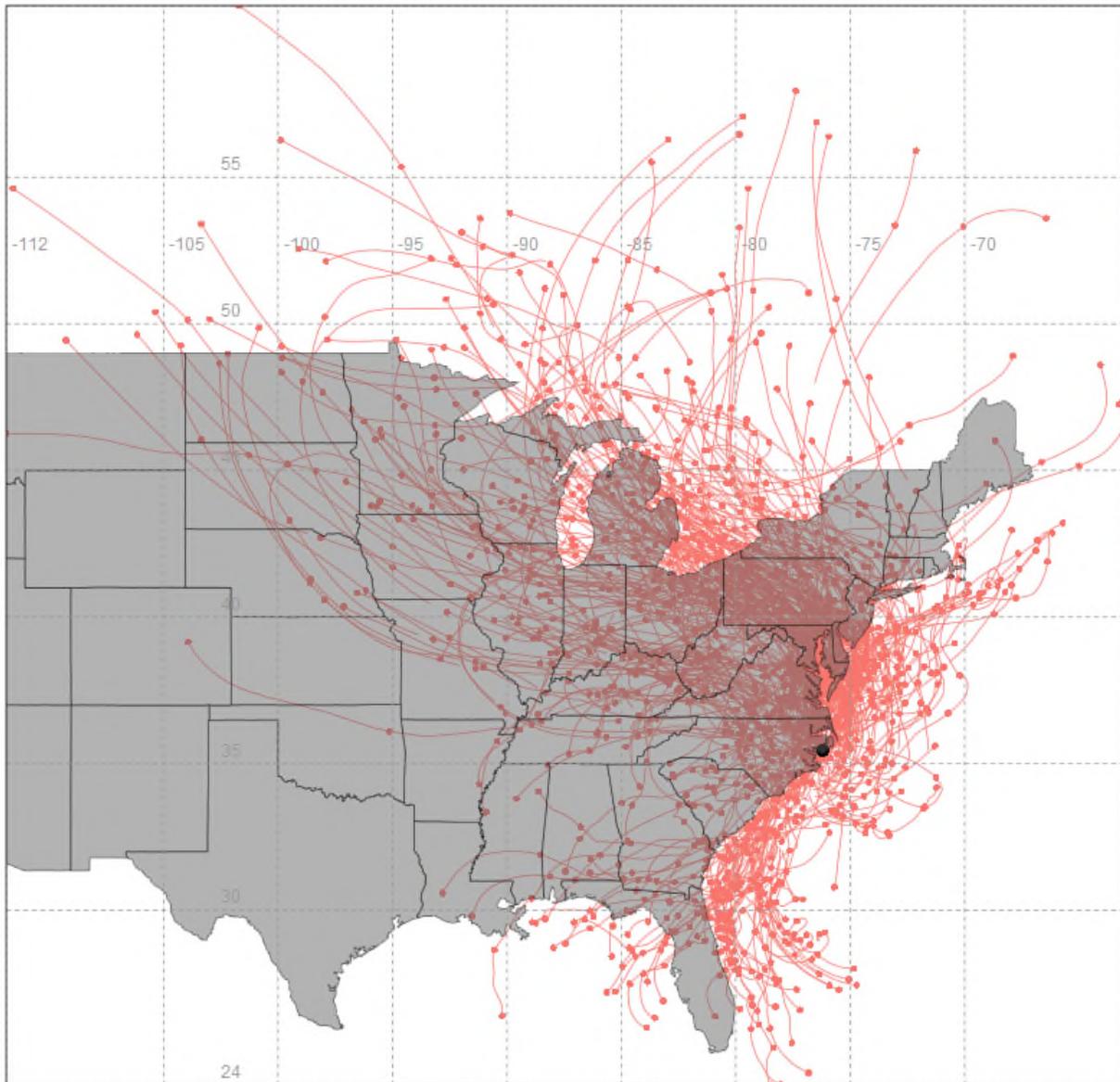


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Swanquarter Wilderness Area

Class1 site: 38 Year: 2011-2016 Height: 100.00

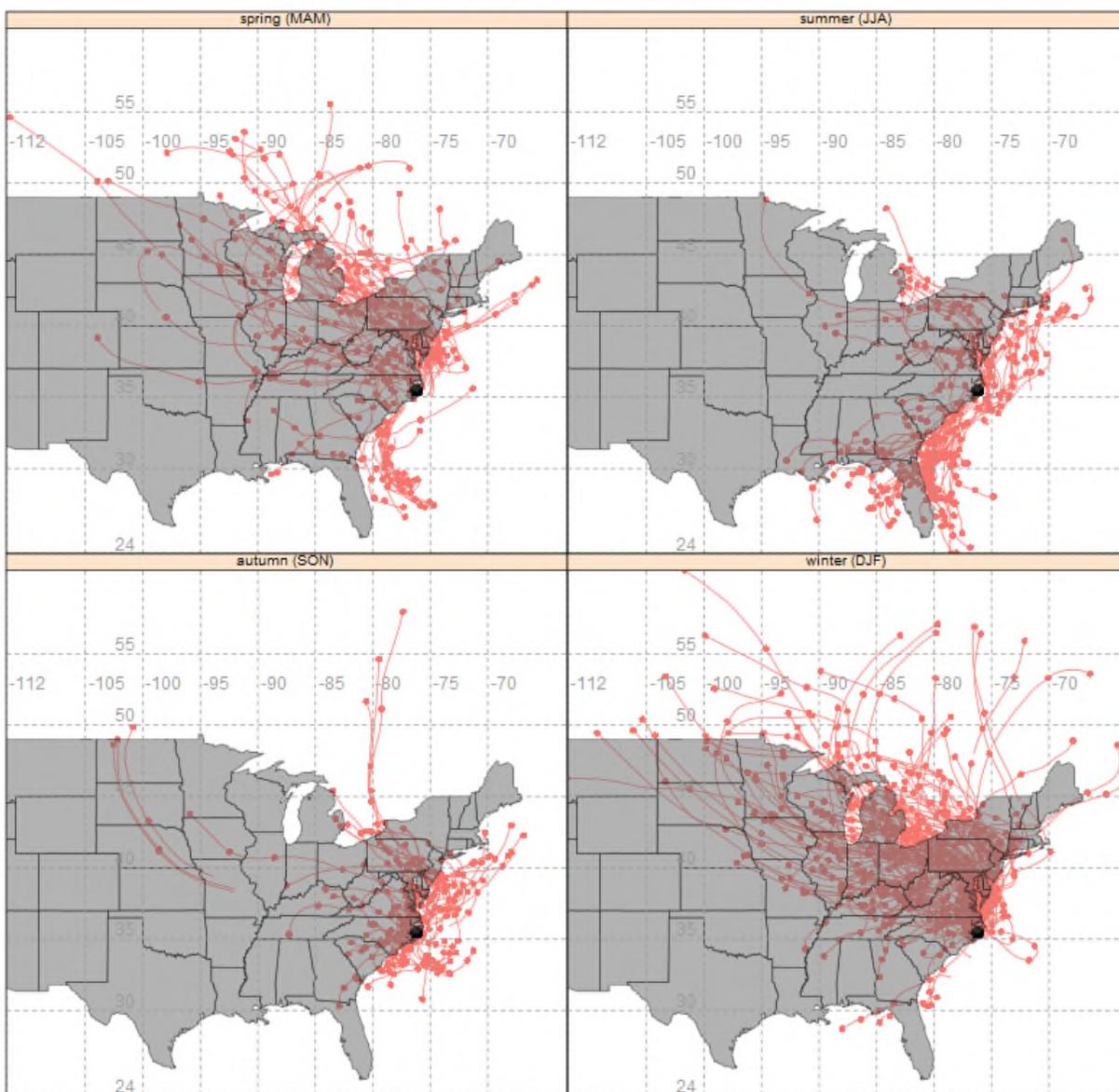


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Swanquarter Wilderness Area

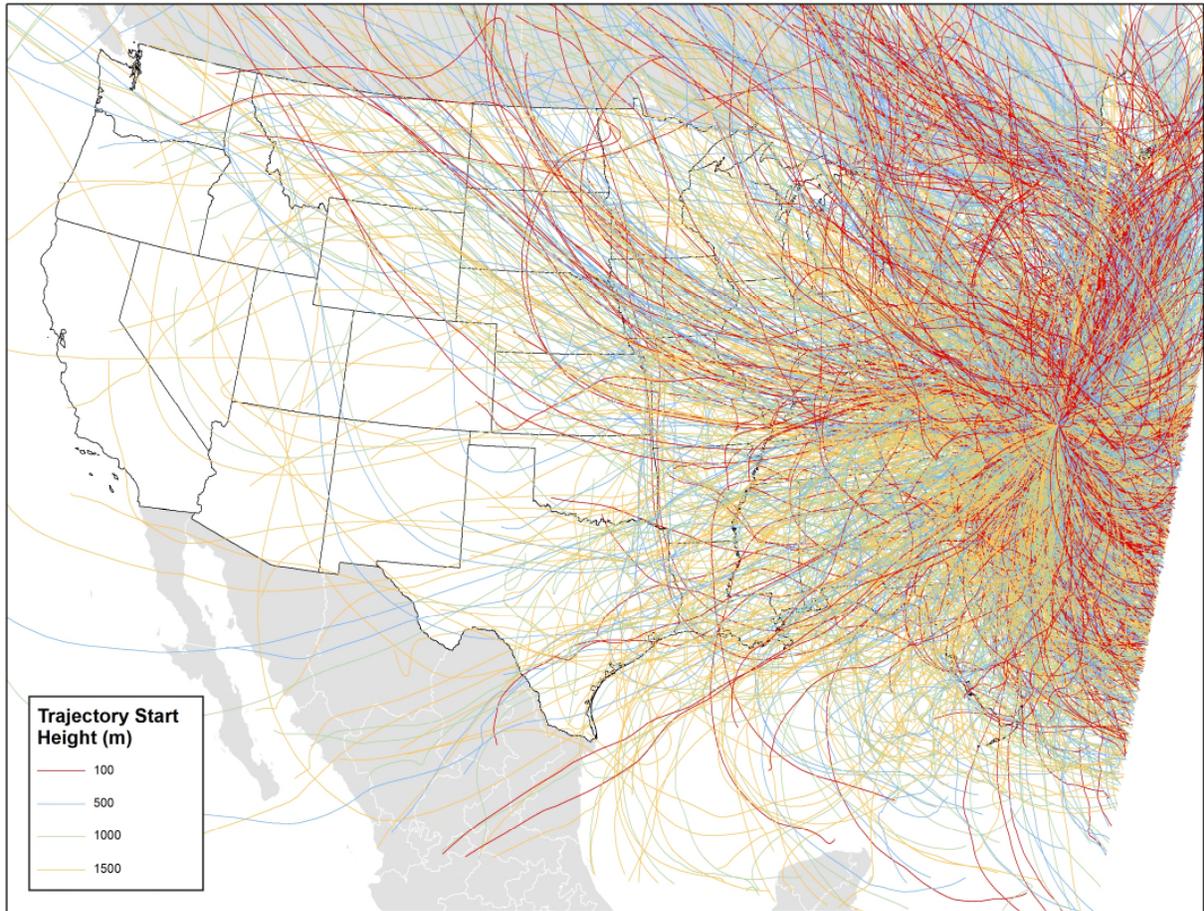


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Swanquarter Wilderness Area

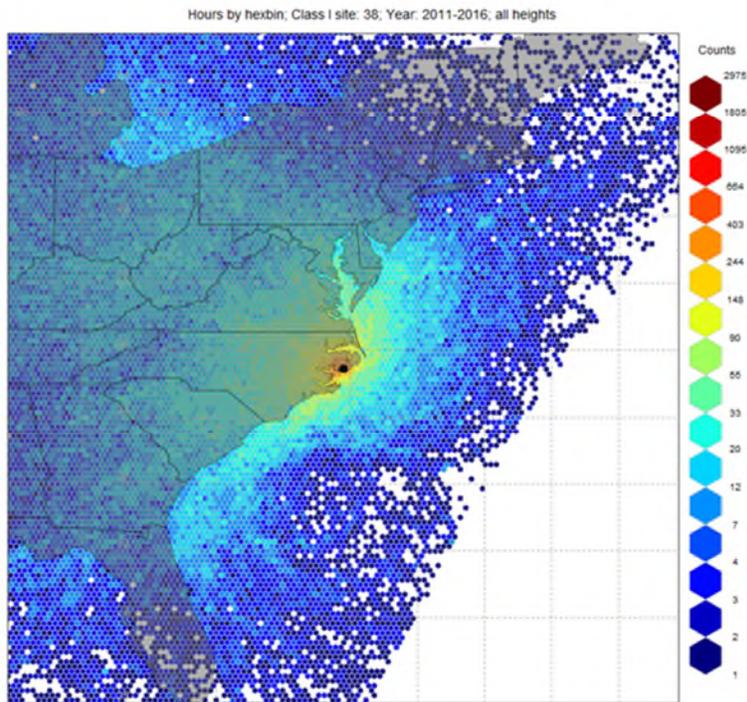
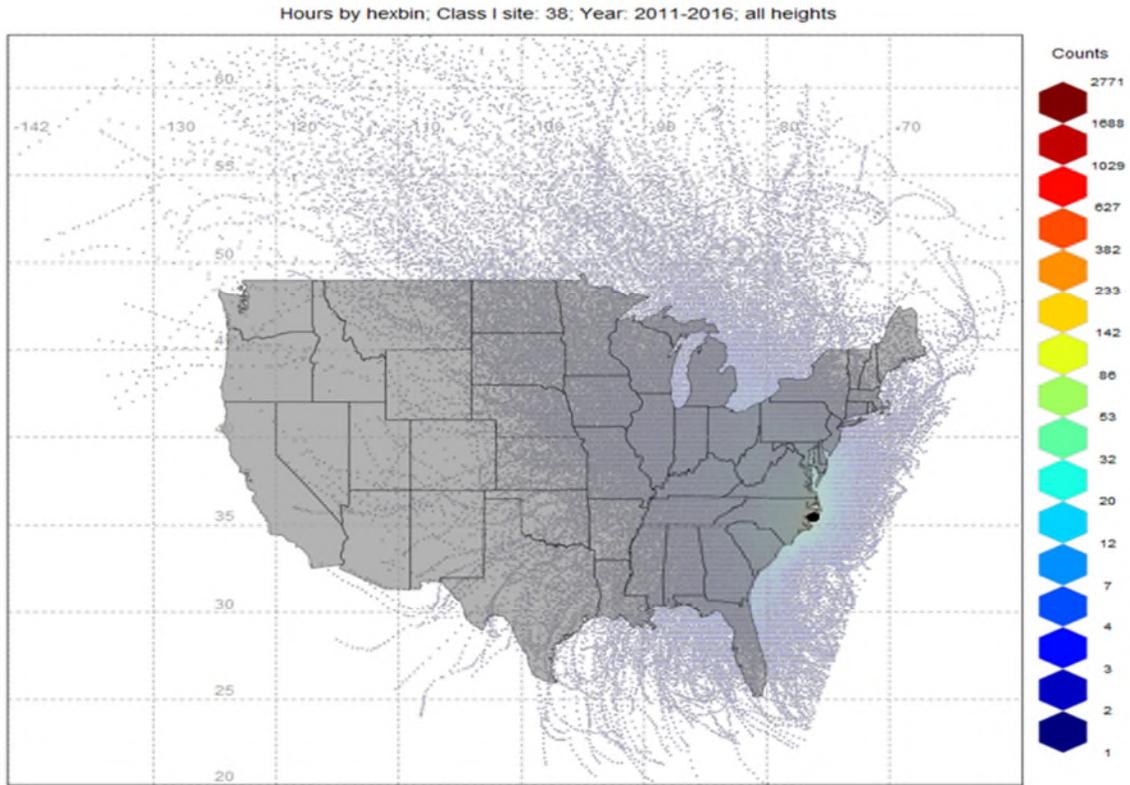


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Swanquarter Wilderness Area – Full View (top) and Class I Zoom (bottom)

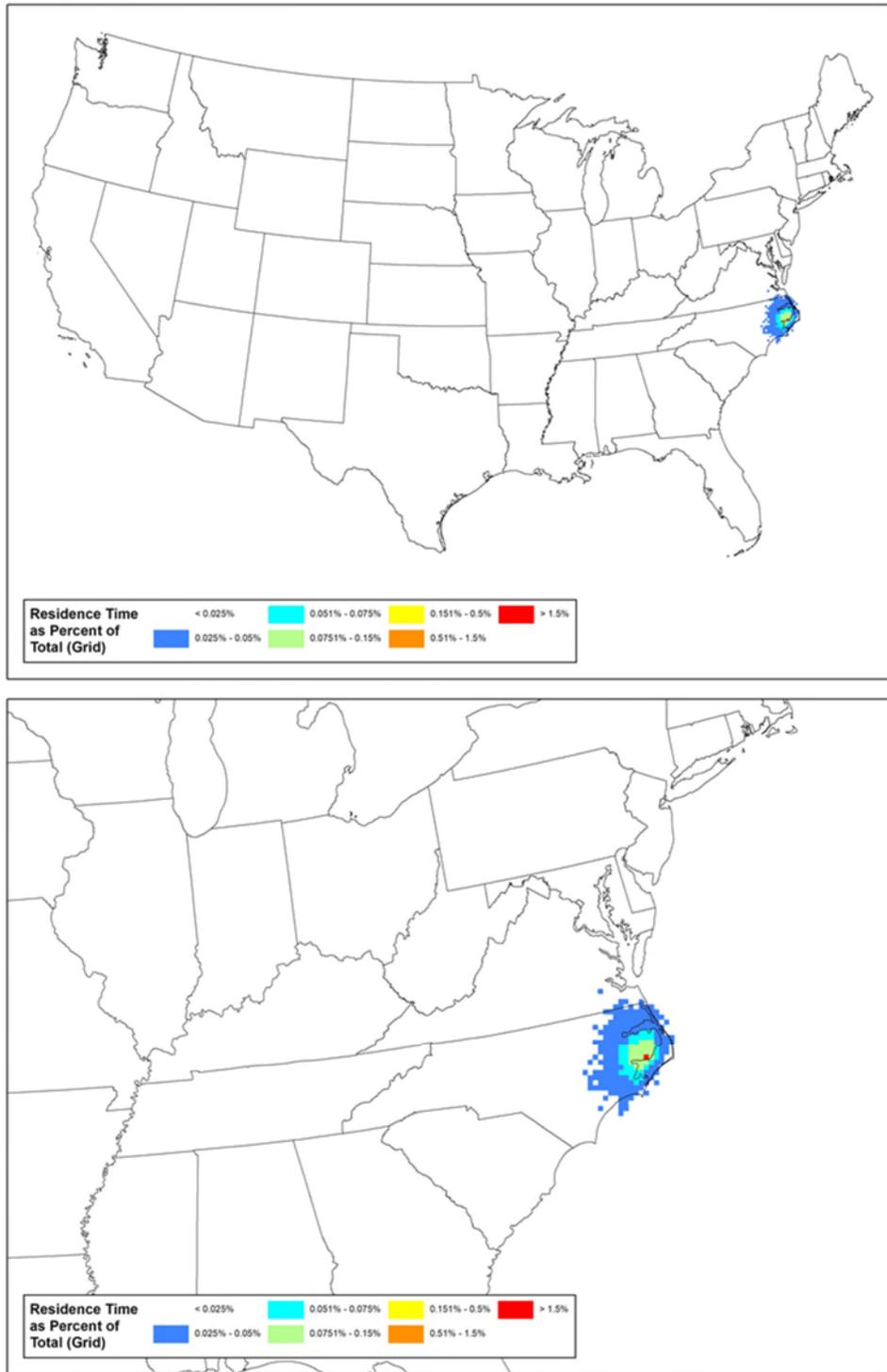


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Swanquarter Wilderness Area – Full View (top) and Class I Zoom (bottom)

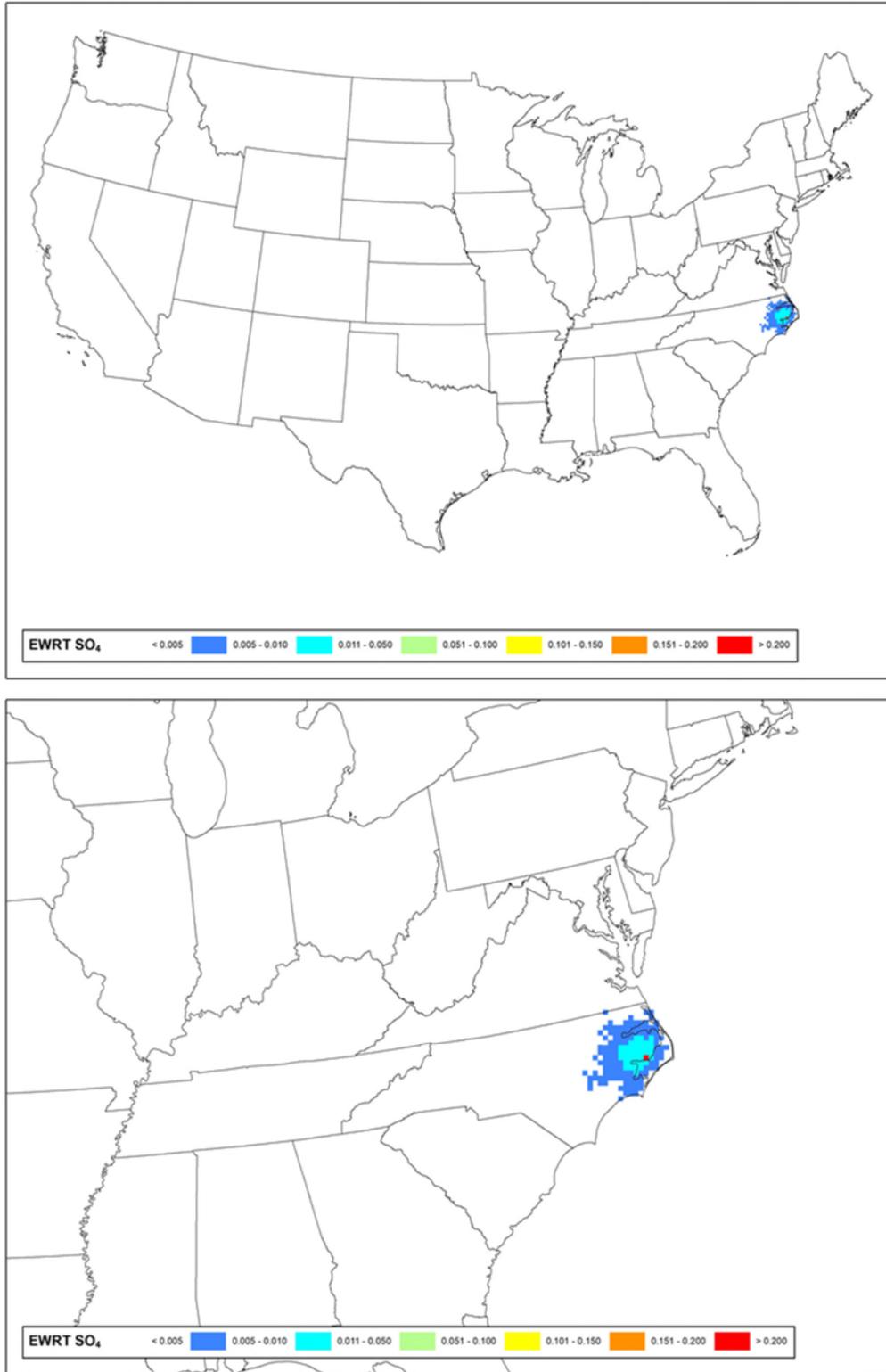


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Swanquarter Wilderness Area - Full View (top) and Class I Zoom (bottom)

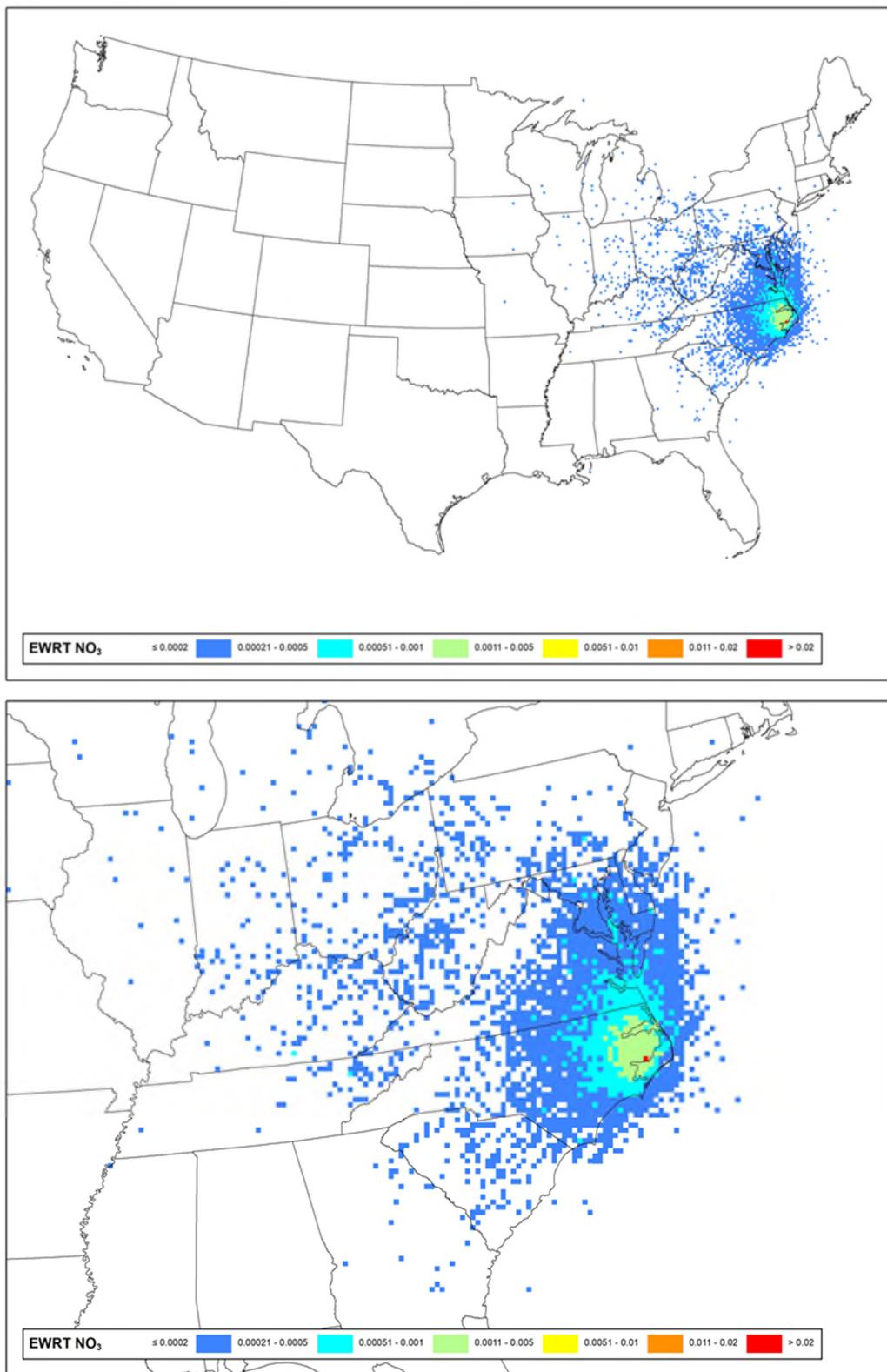


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Swanquarter Wilderness Area - Full View (top) and Class I Zoom (bottom)

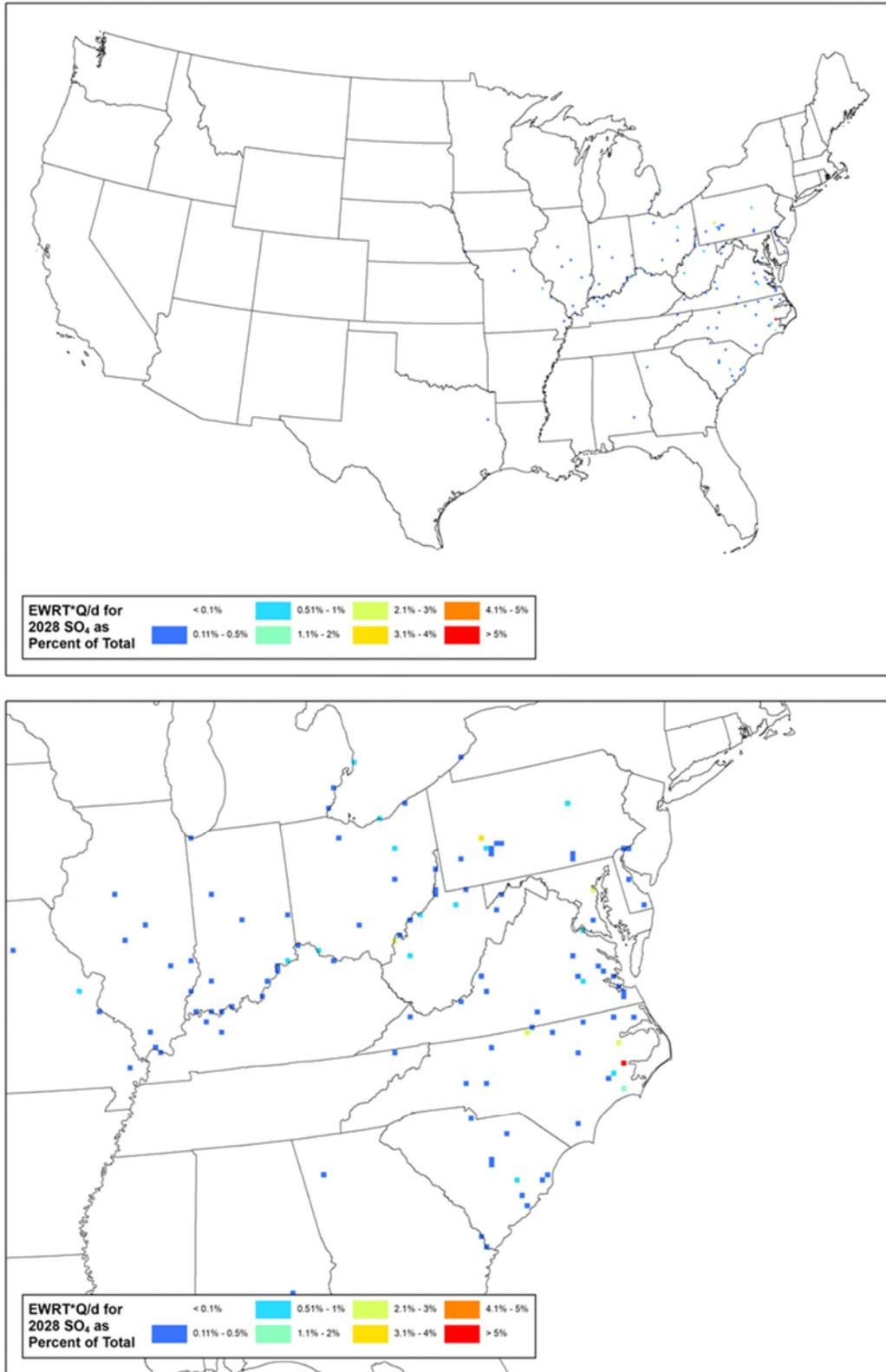


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Swanquarter Wilderness Area – Full View (top) and Class I Zoom (bottom)

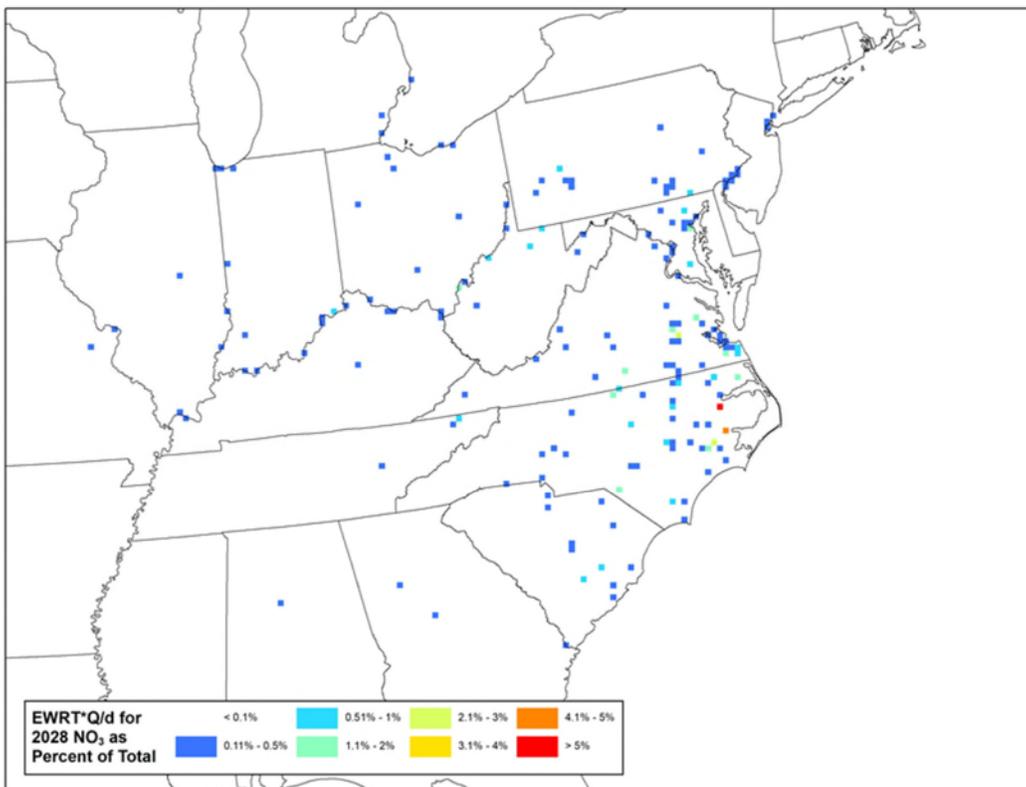
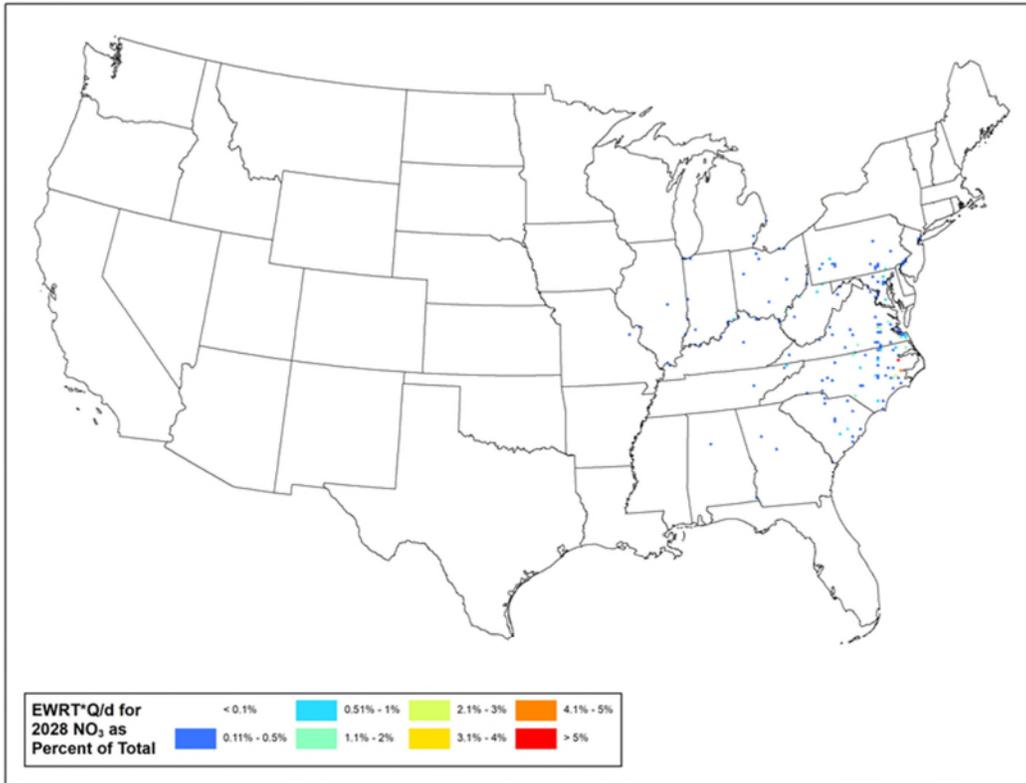


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Swanquarter Wilderness Area – Full View (top) and Class I Zoom (bottom)

Upper Buffalo Wilderness Area

Class1 site: 39 Year: 2011-2016 Height: 100.00

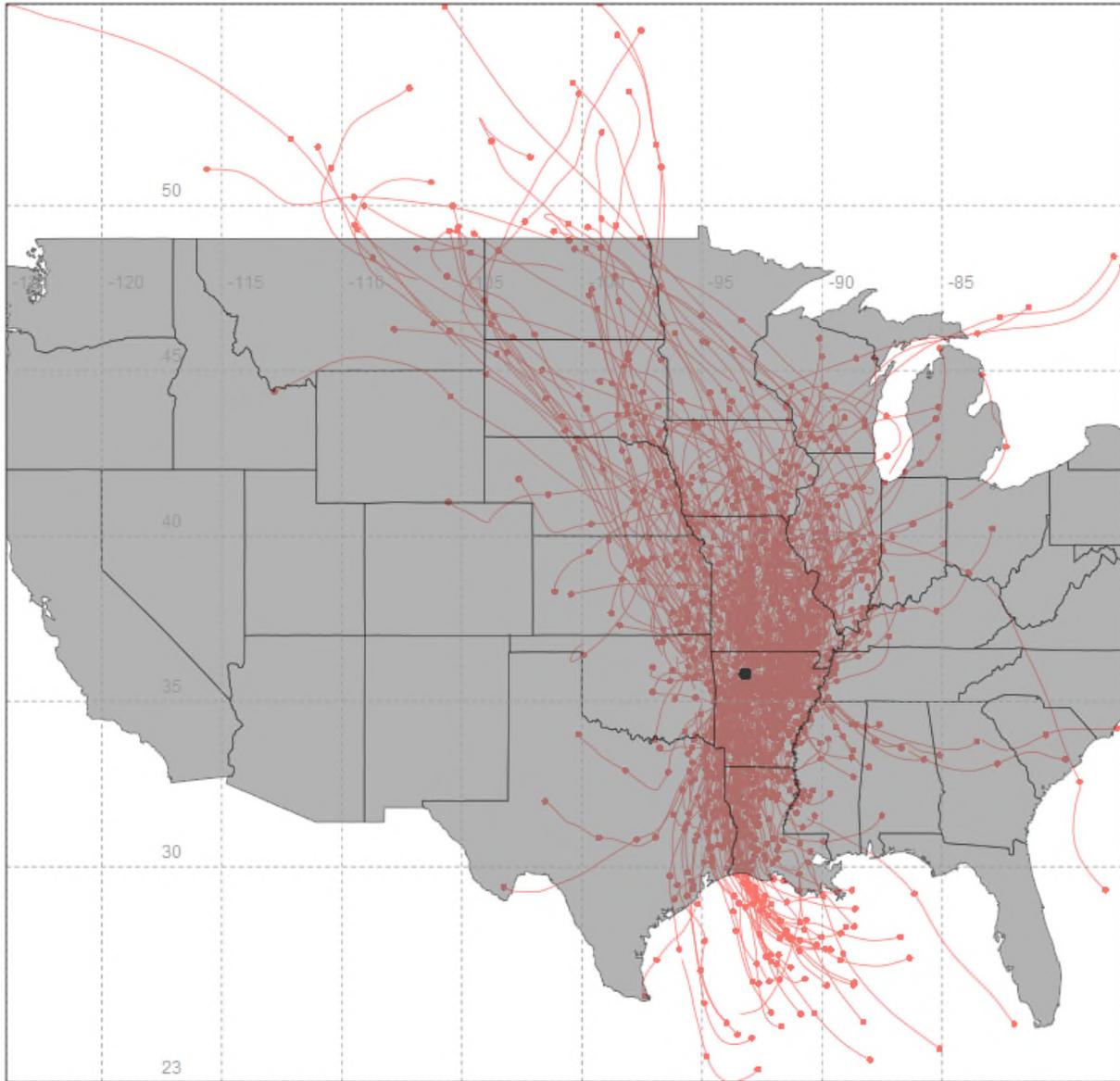


Figure 1: 100-Meter Back Trajectories for the 20% Most Impaired Visibility Days (2011-2016), from Upper Buffalo Wilderness Area

Class1 site: 39 Year: 2011-2016 Height: 100.00

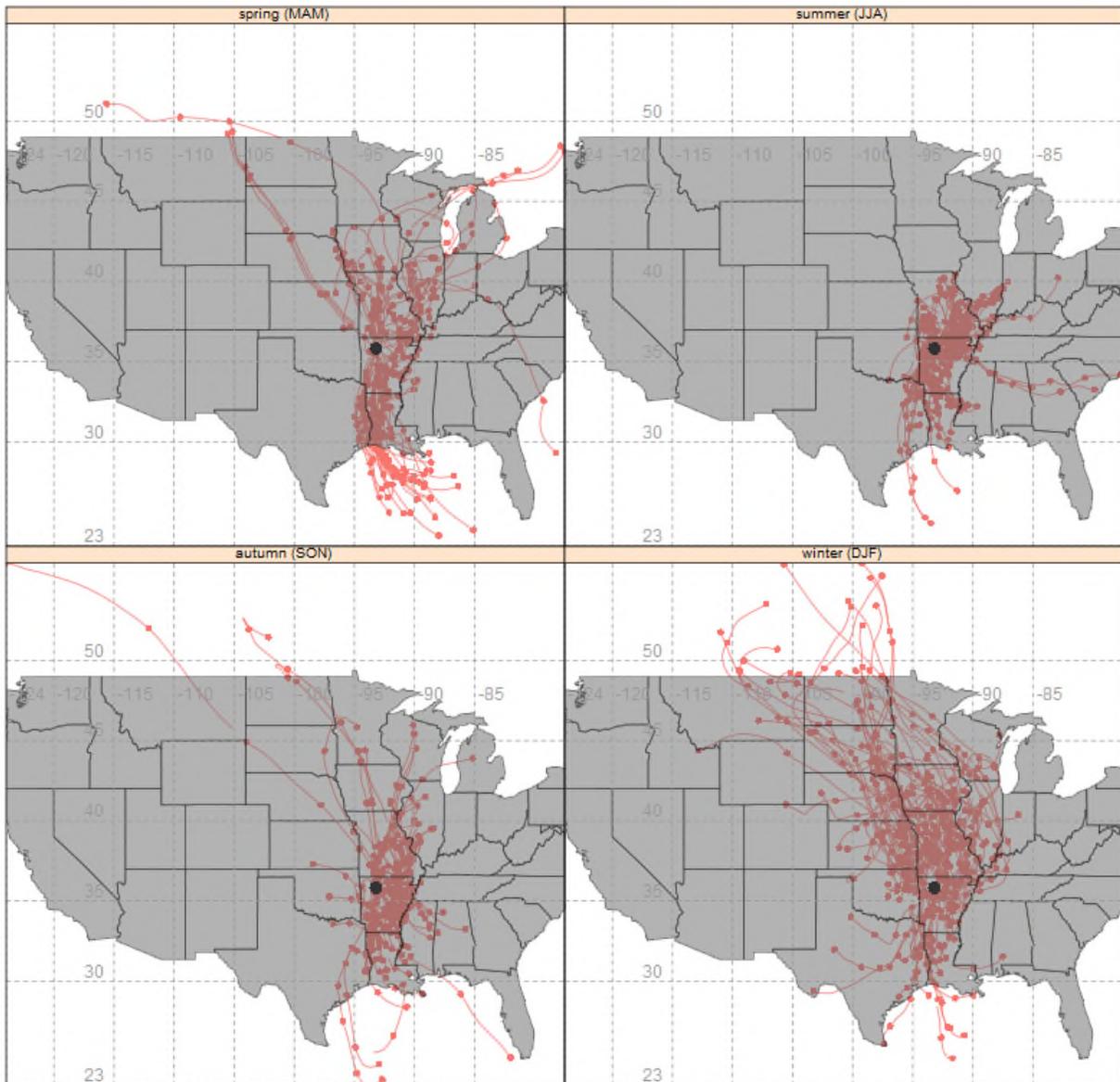


Figure 2: 100-Meter Back Trajectories by Season for the 20% Most Impaired Visibility Days (2011-2016) from Upper Buffalo Wilderness Area

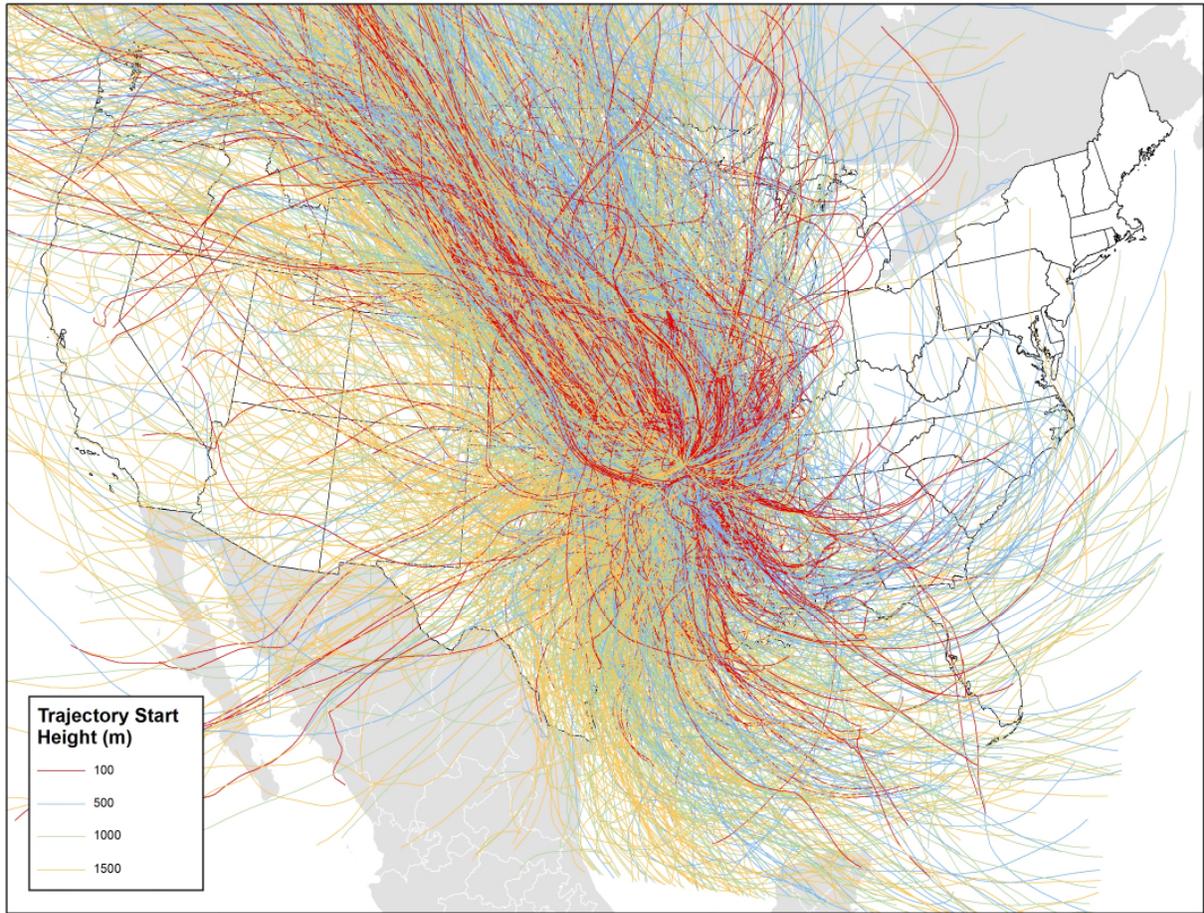


Figure 3: 100-Meter, 500-Meter, 1000-Meter, and 1500-Meter Back Trajectories for the 20% Most Impaired Days (2011-2016) from Upper Buffalo Wilderness Area

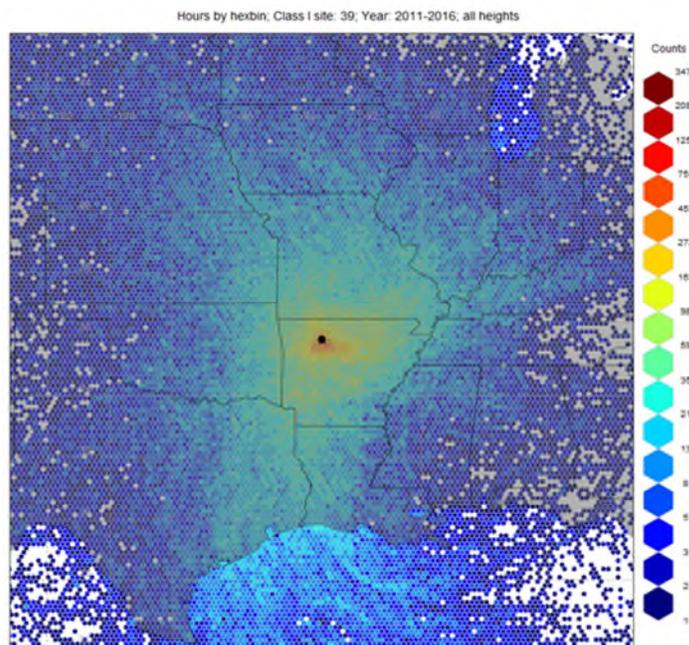
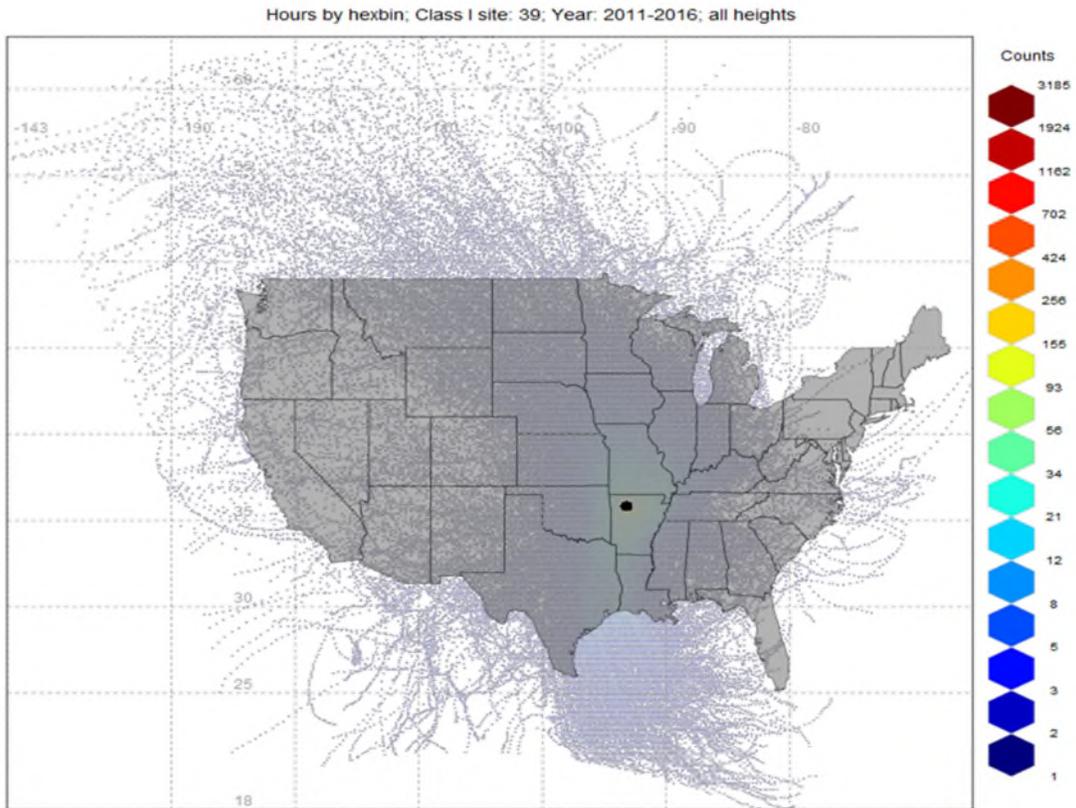


Figure 4: Residence Time (Counts per 12km Modeling Grid Cell) for Upper Buffalo Wilderness Area – Full View (top) and Class I Zoom (bottom)

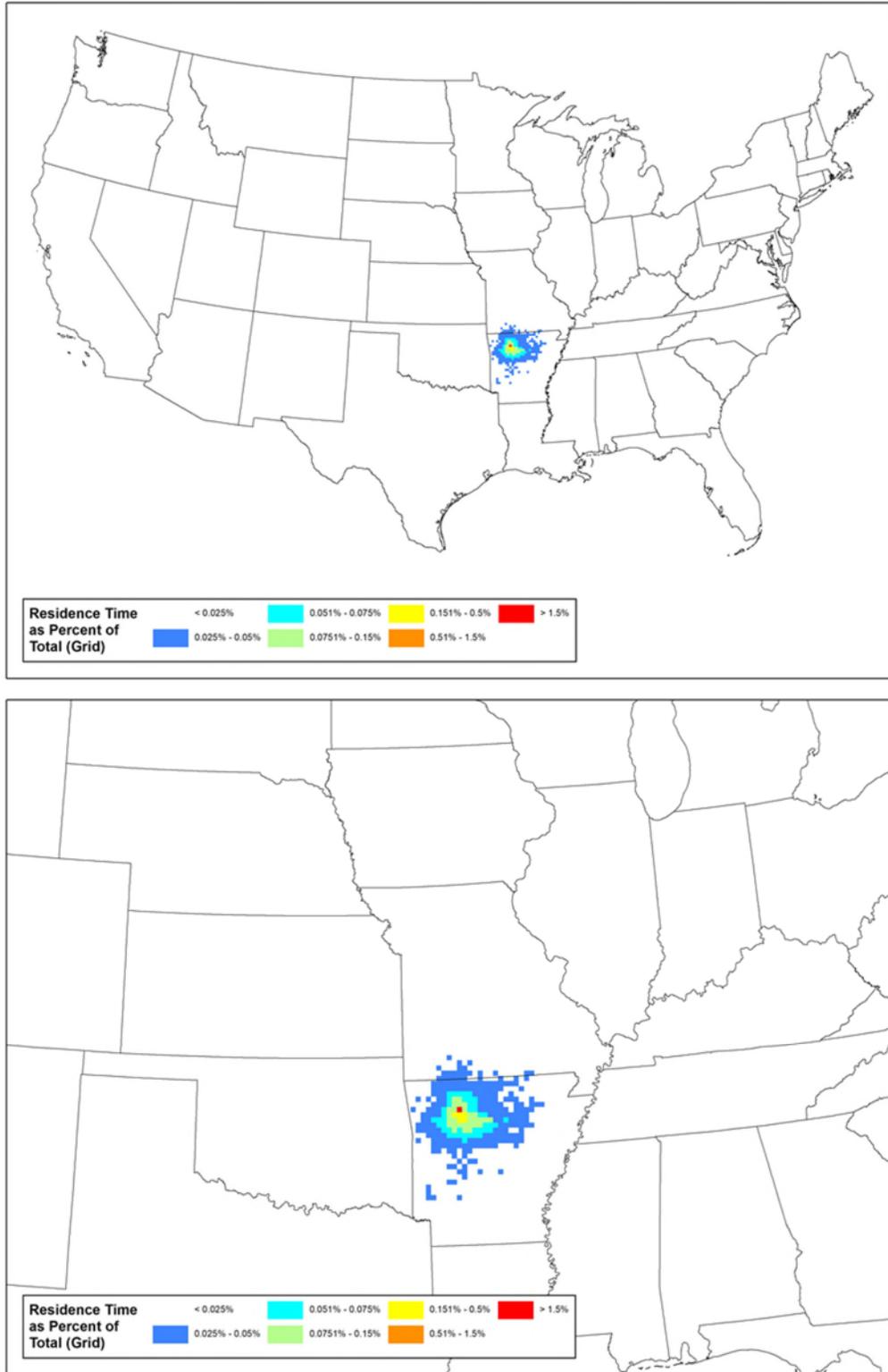


Figure 5: Residence Time (% of Total Counts per 12km Modeling Grid Cell for Upper Buffalo Wilderness Area – Full View (top) and Class I Zoom (bottom))

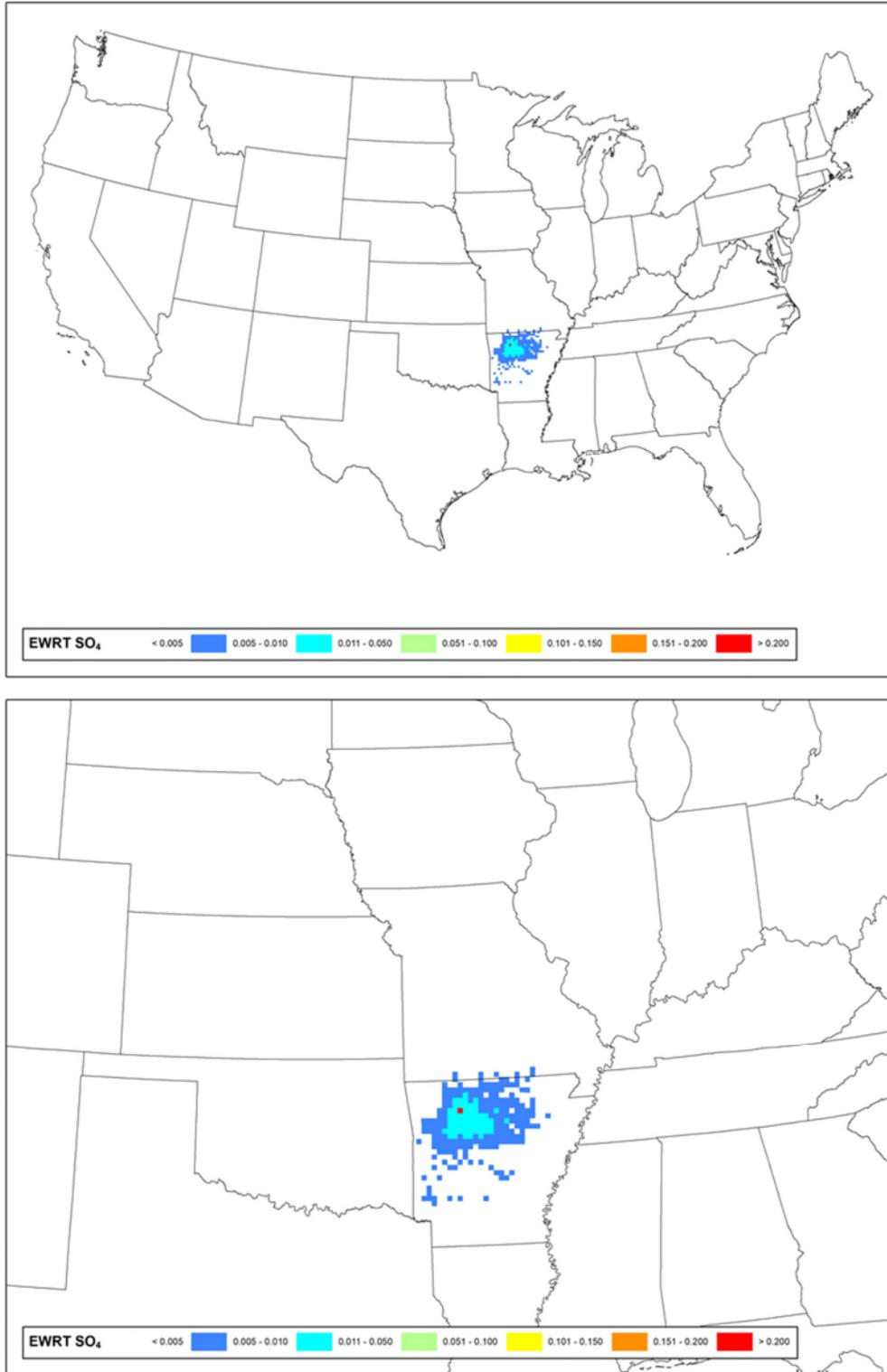


Figure 6: Sulfate Extinction Weighted Residence Time (Sulfate EWRT per 12km Modeling Grid Cell) for Upper Buffalo Wilderness Area - Full View (top) and Class I Zoom (bottom)

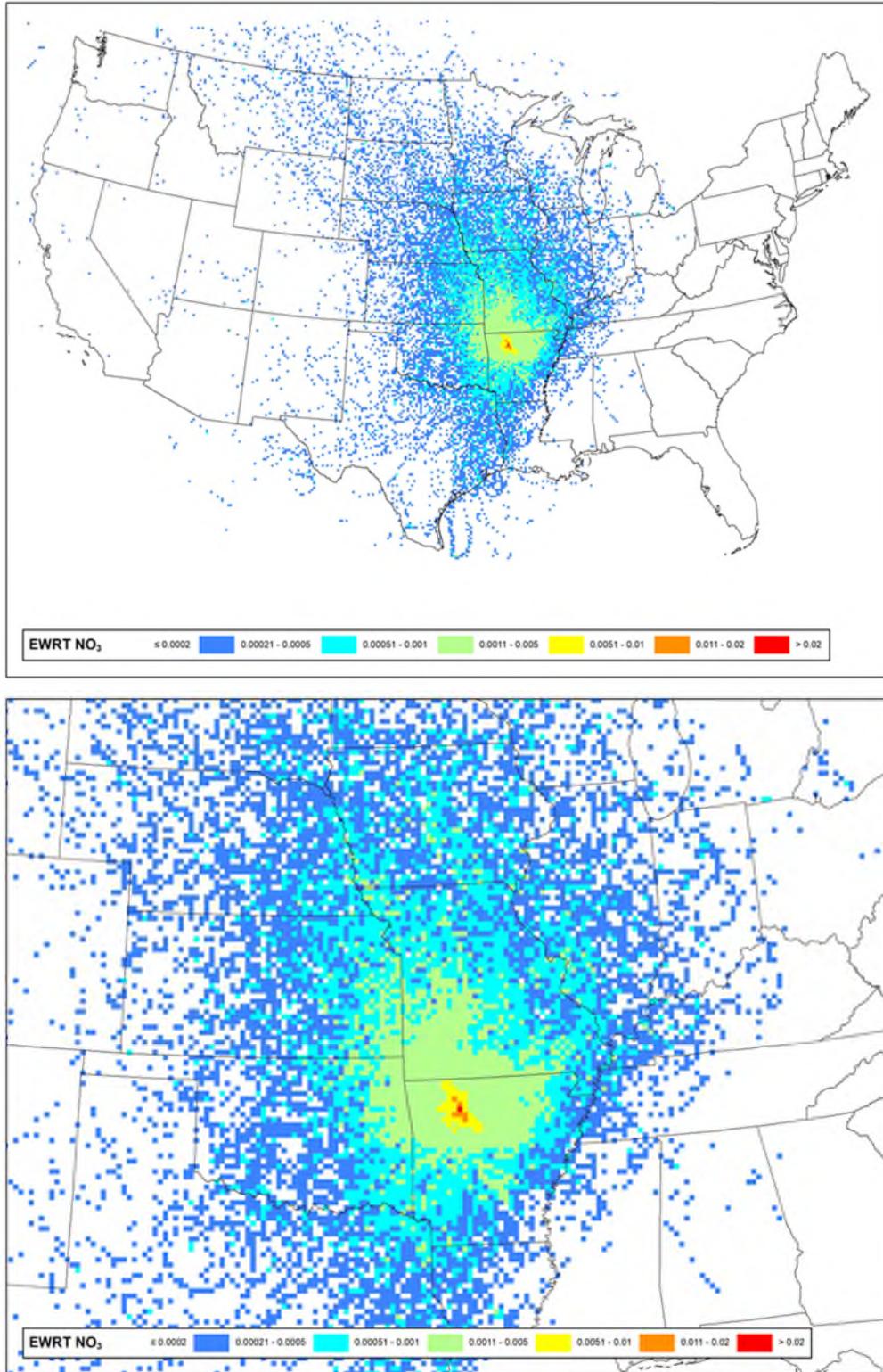


Figure 7: Nitrate Extinction Weighted Residence Time (Nitrate EWRT per 12-km Modeling Grid Cell) for Upper Buffalo Wilderness Area - Full View (top) and Class I Zoom (bottom)

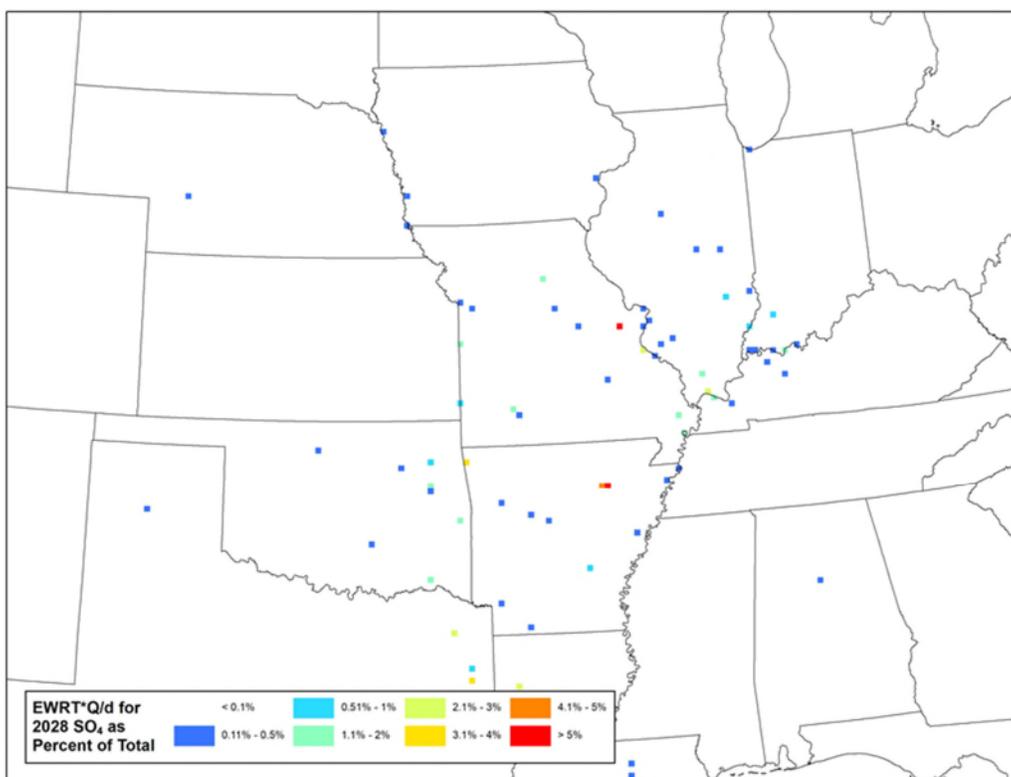
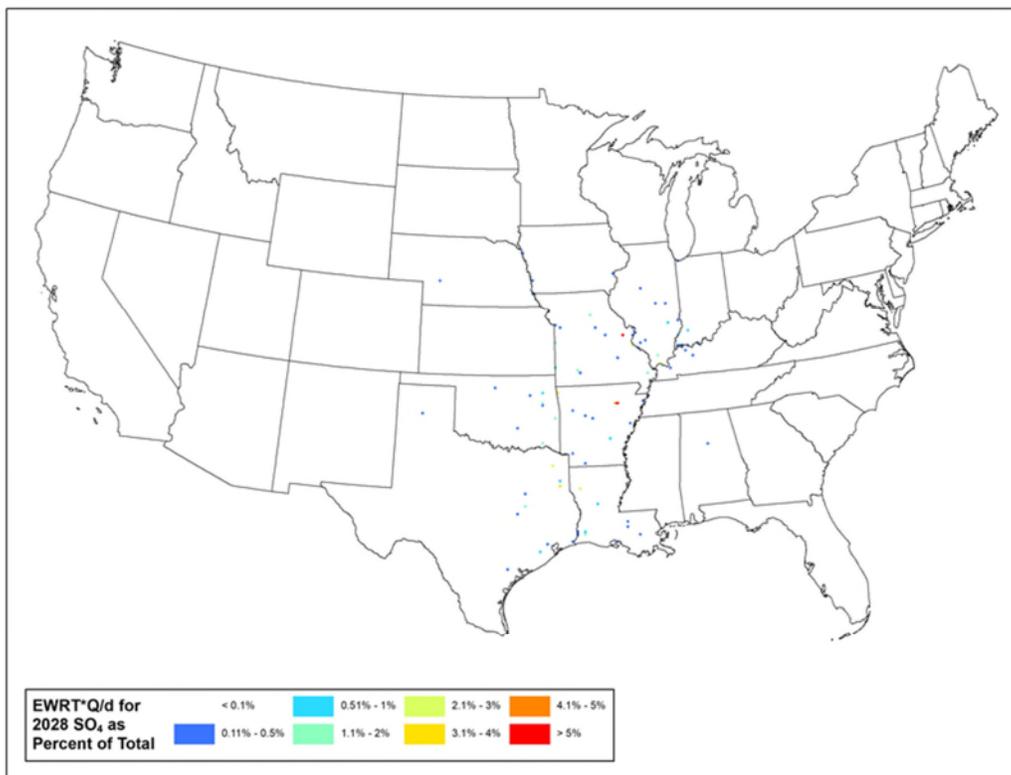


Figure 8: Sulfate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Upper Buffalo Wilderness Area – Full View (top) and Class I Zoom (bottom)

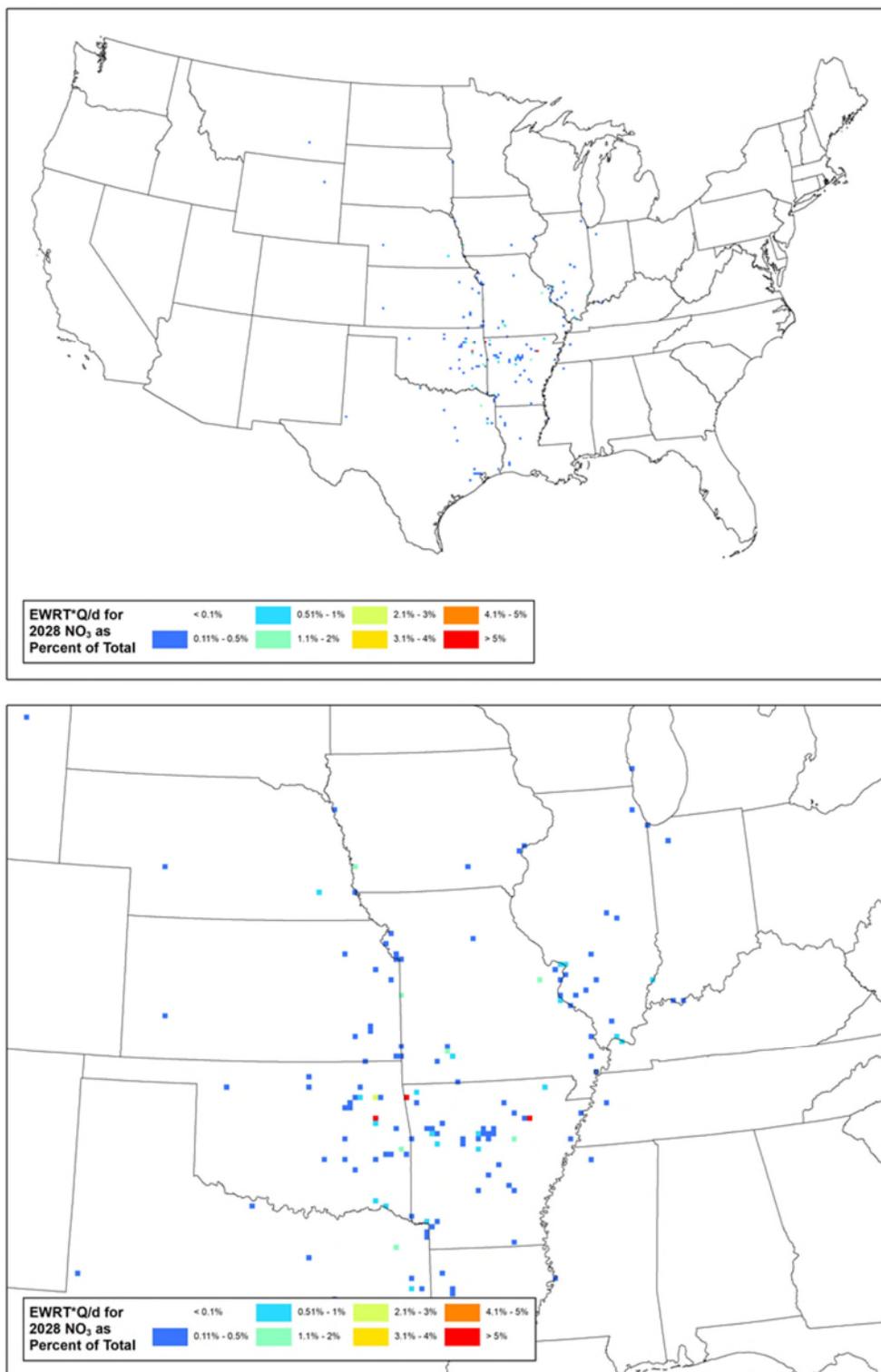


Figure 9: Nitrate Emissions/Distance Extinction Weighted Residence Time (% of Total Q/d*EWRT per 12km Modeling Grid Cell) for Upper Buffalo Wilderness Area – Full View (top) and Class I Zoom (bottom)