## CARE Water Buildup Hotspot Analysis 2014-2018 Data

#### David B. Brown, PhD, P.E. and Jesse Norris

brown@cs.ua.edu jesse.norris@ua.edu

#### **Table of Contents**

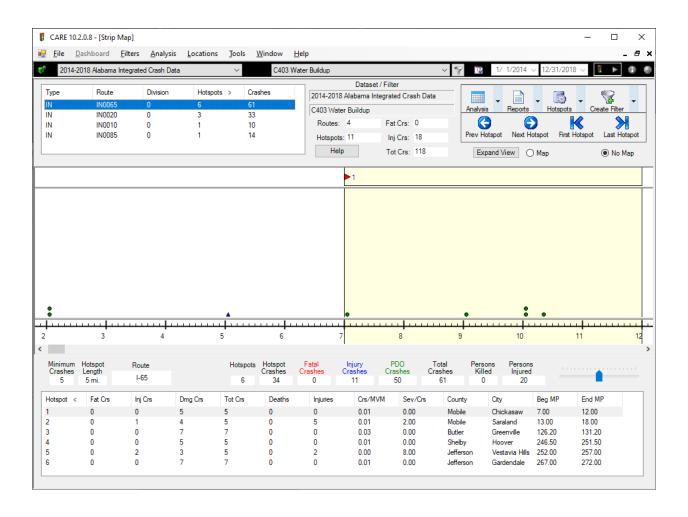
Introduction	0
Examples – Mileposted Roadways	1
Examples – Non-Mileposted Roadways	5
Map of Water Buildup Locations	6

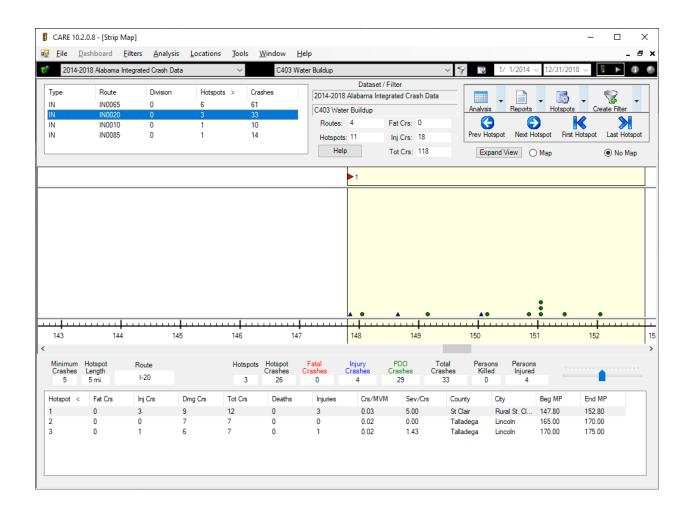
#### Introduction

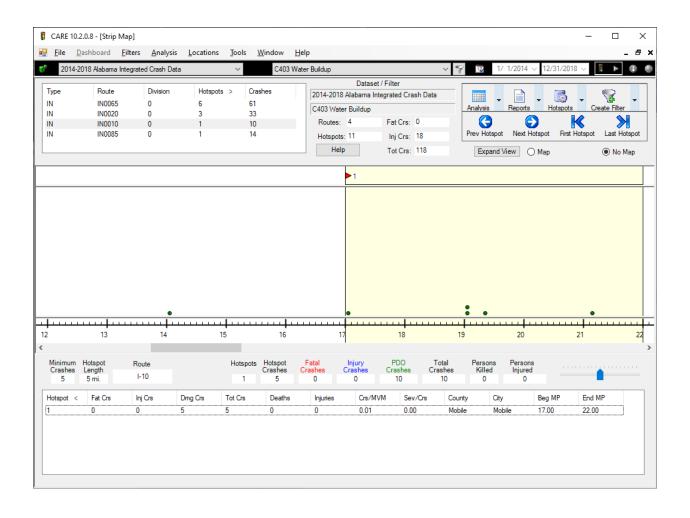
This document contains examples of water buildup locations on mileposted and non-mileposted roadways. While these examples may be used by some statewide agencies (e.g., ALEA and ALDOT) to address potential problems that could either be fixed or mitigated by enforcement, they also have value in training of local agencies. This training should include instruction on creating a water buildup filter, and how to run the high crash (hotspot) locations for both mileposted and non-mileposted roadways. The next two sections contain example output display from four mileposted roadways and a statewide run for non-mileposted routes. A final section presents of map of the mileposted and non-mileposted example locations.

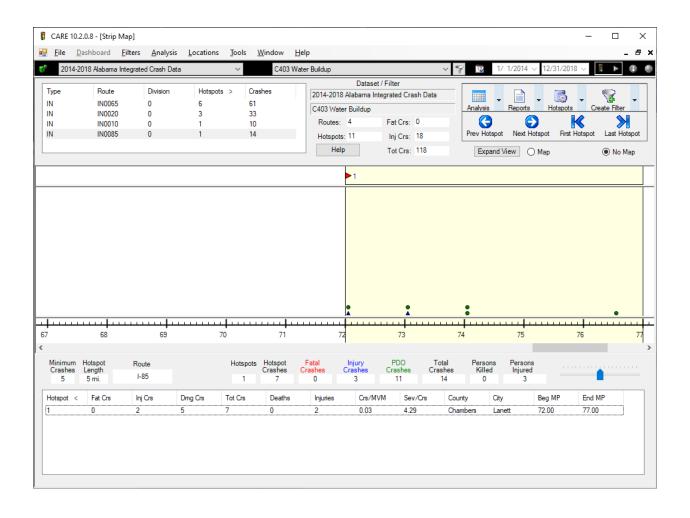
## **Examples – Mileposted Roadways**

In the examples that follow, the criteria was five or more crashes of Water Buildup (C403) type in five miles. The following four mileposted roads qualified (number of hotspots), ordered by total number of qualifying crashes: I-65 (6), I-20 (3), I-10 (1), and I-85 (1).



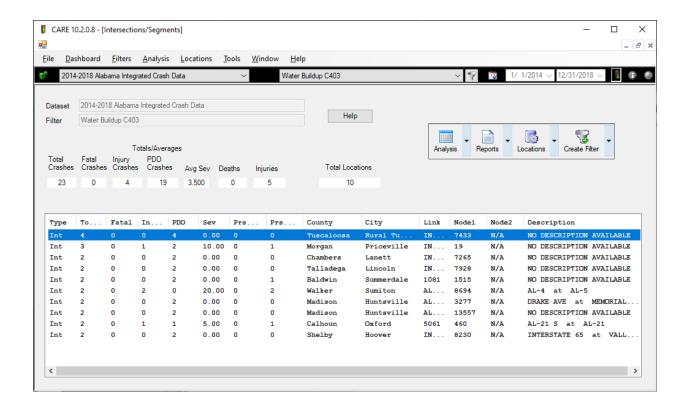






## Examples - Non-Mileposted Roadways

The criteria applied for non-mileposted roadways was two or more crashes in Water Buildup over the five years of the data. Ten locations were found, with the highest number of crashes being four over the five years. The following shows the output display.



# **Map of Water Buildup Locations**

