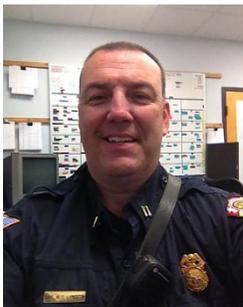


## **HURRICANE MICHAEL**

In October 2018 Hurricane Michael was the first Category 5 hurricane to strike the contiguous United States since Andrew in 1992. In addition, it was the third-most intense Atlantic hurricane to make landfall in the contiguous United States in terms of pressure, behind the 1935 Labor Day hurricane and Hurricane Camille of 1969. It was the first Category 5 hurricane on record to impact the Florida Panhandle, and was the fourth-strongest landfalling hurricane in the contiguous United States, in terms of wind speed. As it approached the Florida Panhandle, Michael reached Category 5 status with peak winds of 160 mph just before making landfall near Mexico Beach, Florida on October 10, becoming the first to do so in the region as a Category 5 hurricane, and as the strongest storm of the season. As it moved inland, the storm weakened and began to take a northeastward trajectory toward Chesapeake Bay, weakening to a tropical storm over Georgia, and transitioning into an extratropical cyclone over southern Virginia late on October 11. At least 74 deaths had been attributed to the storm, including 59 in the United States. Hurricane Michael caused an estimated \$25.1 billion in damages, including \$100 million in economic losses in Central America, damage to U.S. fighter jets with a replacement cost of approximately \$6 billion at Tyndall Air Force Base, and at least \$6.23 billion in insurance claims in the U.S. Along the Florida panhandle, the cities of Mexico Beach and Panama City suffered the worst of Michael, with catastrophic damage reported due to the extreme winds and storm surge. Numerous homes were flattened, and trees felled over a wide swath of the panhandle. A maximum wind gust of 139 mph was measured at Tyndall Air Force Base before the sensors failed. As Michael tracked across the Southeastern United States, strong winds caused extensive power outages across the region.

## **MICHAEL “TODD” LIVINGSTON**



Todd Livingston is a 30-year veteran and current Captain with St. Petersburg Fire Rescue. He is the founding member of Florida Task Force 3 (FL-TF3) Urban Search and Rescue Task Force serving as Task Force Leader and Program Manager. Captain Livingston is a technical rescue instructor and the current Commander of a 120-member Type I technical rescue team. He has served as a command officer to multiple national disasters including Hurricanes Andrew, Ivan, Katrina, Irma and Michael. Captain Livingston is the Chairman for the Florida Association for Search and Rescue. He serves the State by participating as a member of the Emergency Response Committee and Domestic Security Resource Committees. He is the State Search and Rescue Coordinator deploying state SAR assets. Captain Livingston currently serves as the President of the State Urban Search and Rescue Alliance (SUSAR) which is a National Alliance serving State Urban Search and Rescue interests. Captain Livingston is a participant in the development of the ANSI/EMAP National US&R Standard and current Chair of the EMAP

US&R Standards Workgroup. Todd is a member of the FEMA National US&R ad hoc committee on US&R cataloging and typing. He is also a subject matter expert from the National Integration Center for search and rescue typing and Resource Management. Todd is the Florida Representative for the State Search and Rescue Coordinators Council through NASAR working towards SAR efforts nationwide.

### **SCOTT CHAPPELL**



Scott Chappell is the US&R and Haz Mat Program Coordinator for the State Fire Marshal at the Florida State Fire College. He entered the fire service in 1993 and has been working at the Florida State Fire College since 2000. Scott now coordinates Florida's eight US&R Task Forces, thirty Regional Hazardous Materials Teams, and fifty Light Technical Rescue Teams, and seven Mutual Aid Radio Cache (MARC) Units. Scott deployed to the State EOC where he operated as US&R Specialist for Hurricanes Hermine and Matthew and as US&R Coordinator for Hurricanes Irma and Michael. Additionally, he is a Captain with Marion County Fire Rescue where he is the C-Shift District 5 Command Officer, the C-Shift Special Operations Officer, and a Task Force Leader with Florida US&R Task Force 8. Scott has a bachelor's degree from the University of Florida, a master's degree in Public Administration from Barry University, and is currently enrolled in the Executive Fire Officer Program at the National Fire Academy.