

Fort Lauderdale - April 2023



Source: US Coast Guard

Convective, stationary storms with moist inflow produced over 21 inches (533mm) in 12 hours around Broward County, Florida, according to data from the National Weather Service. The area around the international airport, and port received the greatest falls with two separate periods of over 4 inches (100mm) in one hour. Standing water varied between 1-2 feet (0.31 to 0.62 metres). A summary of some of the learnings available is shown below.

Event	Impact	Learning areas
Closure of Fort Lauderdale Int. Airport for 40 hours. (<i>Weather Channel</i>)	Flight disruption, infrastructure impacts and stranded passengers within the flooded airport.	Critical infrastructure risk Climate disclosure Business continuity
Flood impacts at Port Everglades disrupting fuel imports	Panic buying resulted post rain event with recovery taking a week (<i>NY Times</i>)	Engineering Critical infrastructure risk Physical risk assessments Business continuity Supply chains
Intense rainfall with significant flood depth on flat terrain.	279 homes flooded with major damage (<i>CBS</i>)	Climate disclosure Emergency plans and testing Hydrological risk sensitivity Atmospheric moisture
Large number of abandoned vehicles across Broward County (<i>CBS</i>)	Clearance of abandoned vehicles became a focus for immediate response to assist in recovery (<i>Mayor</i>).	Critical infrastructure risk Emergency response plans Policy and planning

Resources	Associated Services
<ul style="list-style-type: none"> • Timeline • Rainfall data – official • Rainfall data – unofficial • Photographic evidence • Media articles 	<ul style="list-style-type: none"> • Climate Disclosure • Flood warning systems • Emergency Action Plans • Community education
Value to managing risk in...	Useful to
<ul style="list-style-type: none"> • Public Safety • Critical Infrastructure • Governance, risk, and compliance • Climate disclosure • Critical Infrastructure • Systems and processes • SFARP/ALARP • Engineering 	<ul style="list-style-type: none"> • Regulators • Insurance • Dam owners • Critical infrastructure owners • Engineering • Disaster & emergency managers • Boards