

The background of the slide is a light blue gradient. It is decorated with several realistic-looking water bubbles of various sizes, some with highlights and shadows, giving a fresh and clean aesthetic.

HURRICANE DORIAN 2019 AMATEUR RADIO RESPONSE

PRESENTED BY CAROL SJURSEN

BROWARD COUNTY RACES OFFICER

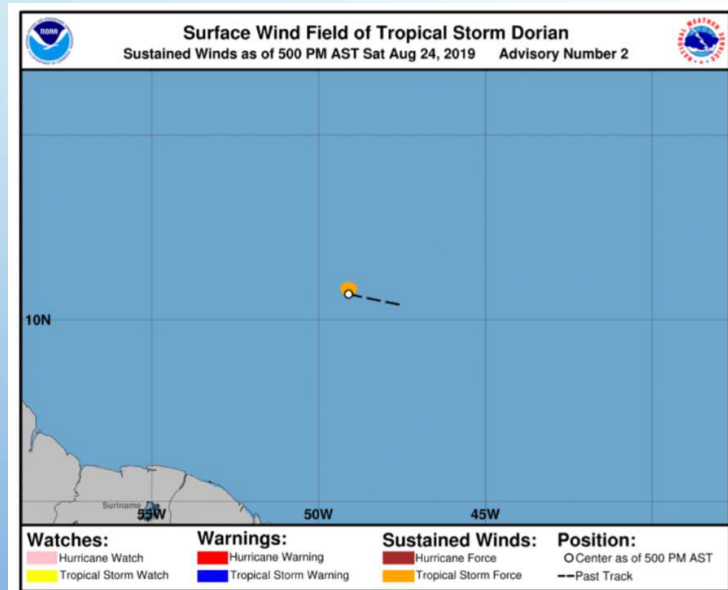
SEPTEMBER 17, 2019

OVERVIEW OF HURRICANE DORIAN



- FORMED ON AUGUST 24, 2019
- FOURTH NAMED STORM OF THE SEASON
- SECOND HURRICANE OF THE SEASON
- FIRST MAJOR HURRICANE OF THE SEASON
- RAPID INTENSIFICATION OCCURRED

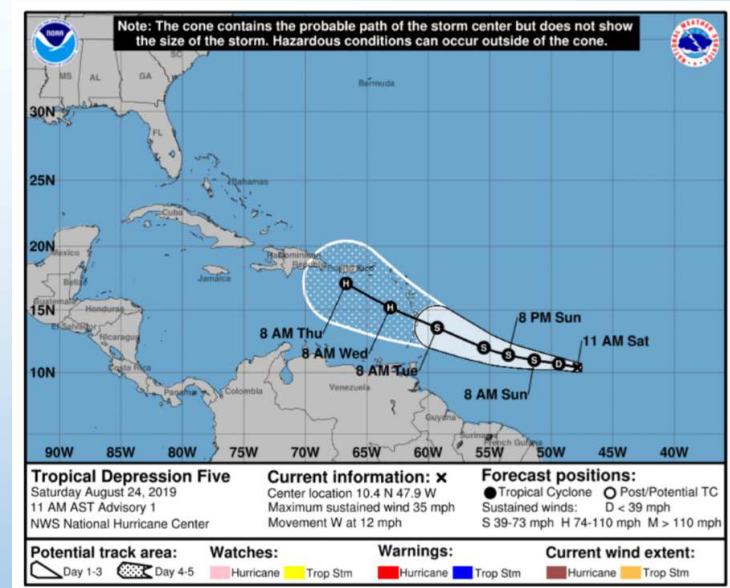
SOMETHING'S BREWING IN THE TROPICS



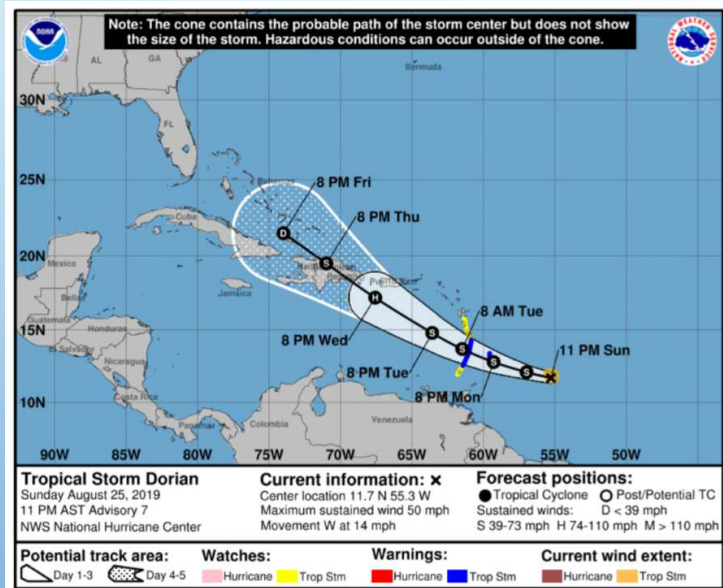
- SATURDAY, AUGUST 24, 2019
- 11 AM - TROPICAL DEPRESSION FIVE FORMS WITH WIND SPEEDS OF 35 MPH
- 5 PM – TROPICAL STORM DORIAN IS NAMED WITH WINDS NOW AT 40 MPH
- BEGAN MONITORING STORM

SATURDAY, AUGUST 24, 2019

- FIRST CONE ISSUED BY NWS
- EOC STAFF PLACED ON STANDBY
- STARTED POSTING ON THE BROWARD COUNTY ARES/RACES FACEBOOK PAGE FOR HAMS TO MONITOR AND GET PREPARED TO DEPLOY IF CALLED UPON BY EMERGENCY MANAGEMENT



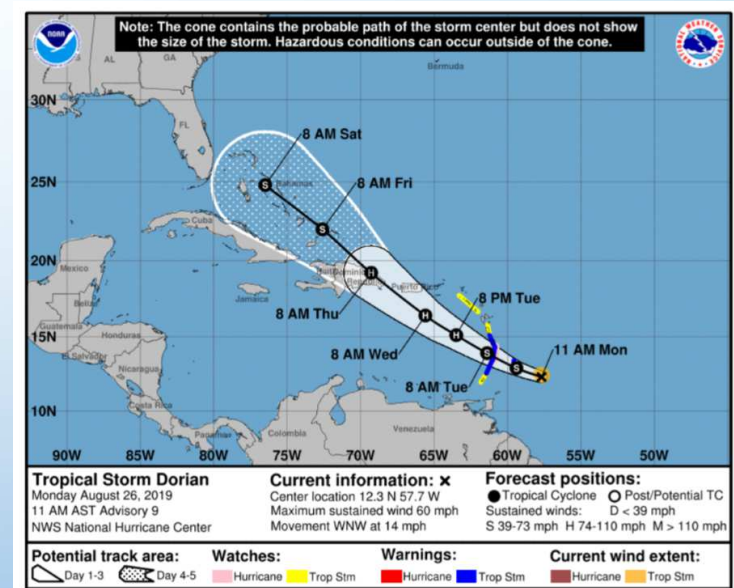
SUNDAY, AUGUST 25, 2019



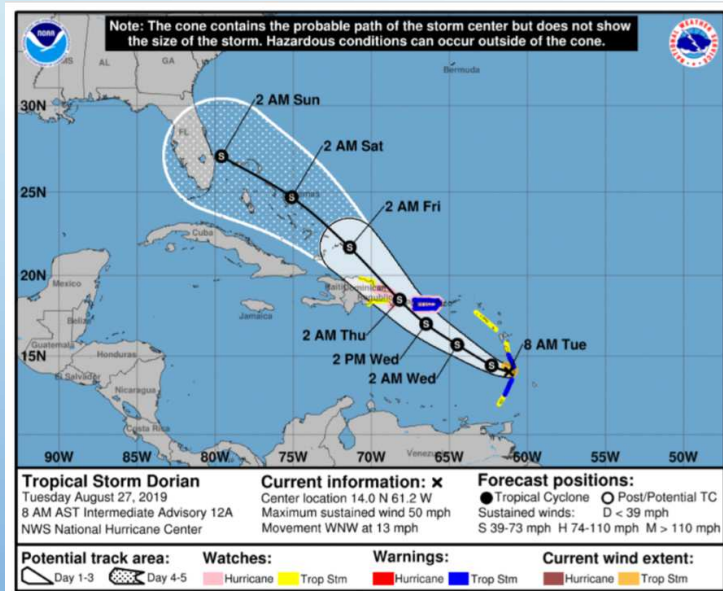
- DORIAN IS STILL A TROPICAL STORM – CONE SHOWS IT DECREASING IN STRENGTH TO BECOME A TROPICAL DEPRESSION
- WINDS HAVE INCREASED FROM 40 MPH TO 50 MPH
- FACEBOOK POSTS CONTINUING TO KEEP HAMS INFORMED
- HAMS SHOULD BE MONITORING AND GETTING PREPARED FOR THE STORM

MONDAY, AUGUST 26, 2019

- WINDS INCREASED FROM 50 MPH TO 60 MPH, THEN DECREASED BACK TO 50 MPH
- FACEBOOK POSTS CONTINUING FOR AWARENESS
- NWS NOW FORECASTING THIS TO STRENGTHEN BACK TO A TROPICAL STORM
- STILL MONITORING



TUESDAY, AUGUST 27, 2019



- STILL A TROPICAL STORM
- MOST OF FLORIDA IN THE 5-DAY CONE
- MONITORING CLOSELY
- WINDS AT 50 MPH ALL DAY LONG
- LITTLE CHANGE IN STRENGTH BUT EXPECTED TO STRENGTHEN

WEDNESDAY, AUGUST 28, 2019

- HURRICANE HUNTERS FIND DORIAN STRENGTHENING
- WINDS WENT FROM 50 MPH TO 85 MPH
- EXPECTED TO BECOME A DANGEROUS HURRICANE IN THE WESTERN ATLANTIC
- GAS LINES PACKED / WATER SCARCE
- CONE HAS SHIFTED SOUTH AGAIN – MODELS ALL OVER THE PLACE
- EMAIL FROM CAROL AND JEFF WITH INFO
- CONFERENCE CALLS / MONITORING



THURSDAY, AUGUST 29, 2019



- EURO MODEL HAS HURRICANE AIMING FOR BROWARD COUNTY
- CONFERENCE CALLS WITH EM BEGIN
- EMAIL FROM CAROL AND JEFF WITH UPDATE FROM THE CONFERENCE CALLS
- HURRICANE HUNTERS FIND DORIAN STRENGTHENING
- WINDS WENT FROM 85 MPH TO 105 MPH

THURSDAY, AUGUST 29, 2019

- GAS LINES AT COSTCO AT 6:30 AM
(PUMPS DON'T NORMALLY OPEN
THIS EARLY)
- SOUTH FLORIDANS ARE TAKING THIS
STORM VERY SERIOUSLY AND ARE
PREPARING
- EMAIL SENT FROM CAROL AND JEFF
REMINDING HAMS TO MONITOR
STORM



FRIDAY, AUGUST 30, 2019

Situation Overview

Hurricane Dorian



Miami/South Florida
WEATHER FORECAST OFFICE



Do not focus on the exact track
Impacts occur well outside the area enclosed by the cone.

- Hurricane Dorian is a **major hurricane** and is forecast to approach the Florida peninsula early next week
- Landfall is forecast along East Central and/or Southeast Florida coast
- Forecast movement has slowed, with an increasing likelihood of a **prolonged period** of hazardous weather conditions that could last for a couple of days
- The risk of devastating hurricane-force winds, life-threatening storm surge and significant flooding along portions of the Florida east coast remains, although it is still too soon to determine exactly where the strongest winds, storm surge, and flooding will occur

FRIDAY, AUGUST 30, 2019



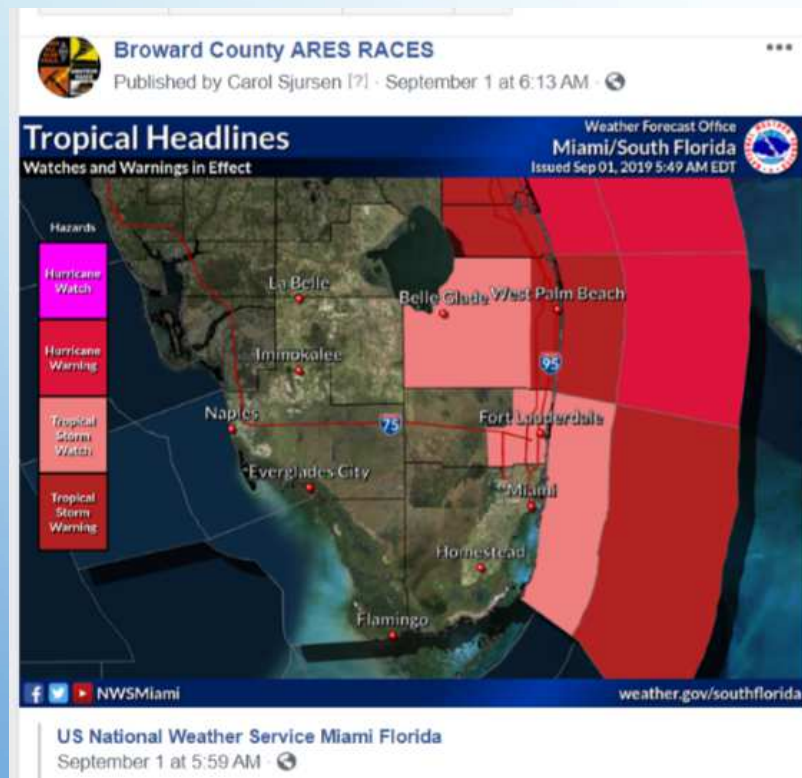
- WINDS GO FROM 105 MPH TO 140 MPH
- DORIAN POSES A MAJOR THREAT TO FLORIDA AND THE NORTHWESTERN BAHAMAS
- STILL POSTING UPDATES AND PRESS CONFERENCE INFO TO FACEBOOK
- EMAIL FROM CAROL AND JEFF WITH UPDATES FROM CONFERENCE CALL

SATURDAY, AUGUST 31, 2019

- WINDS GO FROM 140 MPH TO 150 MPH
- STORM AIMING AT NORTHWESTERN BAHAMAS AND MOVING WESTWARD
- EXPECTED TO HIT BAHAMAS HARD ON SUNDAY
- STORM SURGE/WINDS/HEAVY RAINFALL EXPECTED OVER THE NORTHWESTERN BAHAMAS



SUNDAY, SEPTEMBER 1, 2019



- WARNINGS AND WATCHES SHOWN FOR OUR AREA
- CONTINUED TO POST INFO ON SOCIAL MEDIA AS SOON AS IT WAS RELEASED TO KEEP ALL HAMS INFORMED
- SPECIAL NEEDS SHELTERS BEGINNING TO OPEN

SUNDAY, SEPTEMBER 1, 2019

CAROL REPORTS TO EOC

- EOC IS AT A LEVEL 2 ACTIVATION
- WE TYPICALLY DO NOT ACTIVATE UNTIL EOC IS AT A LEVEL 1 ACTIVATION
- SPECIAL NEEDS SHELTERS WERE OPENING
- REQUESTED PERMISSION FROM OPERATIONS CHIEF TO ACTIVATE OUR HAM OPERATORS
- PERMISSION WAS GRANTED AND HAMS WERE DEPLOYED TO SPECIAL NEEDS SHELTERS



SUNDAY, SEPTEMBER 1, 2019

EOC STAFF REPORTS FOR DUTY



- AS SOON AS PERMISSION WAS GIVEN, NOTIFIED RACES STAFF CURRENTLY ON STANDBY TO REPORT TO THE BROWARD COUNTY EMERGENCY OPERATIONS CENTER
- RACES STAFF WERE AT THE EOC FOR 3 DAYS
- TWO “NEW” RACES STAFF MEMBERS HAD THEIR FIRST ACTIVATION

SUNDAY, SEPTEMBER 1, 2019

- BILL AND JEANNETTE LUCADO REPORTED TO AN ADULT SPECIAL NEEDS SHELTER IN DAVIE
- RICKI WITTE REPORTED TO A PEDIATRIC SPECIAL NEEDS SHELTER IN FORT LAUDERDALE



SUNDAY, SEPTEMBER 1, 2019



- JERRY DIETCH DEPLOYED TO AN ADULT SPECIAL NEEDS SHELTER FACILITY

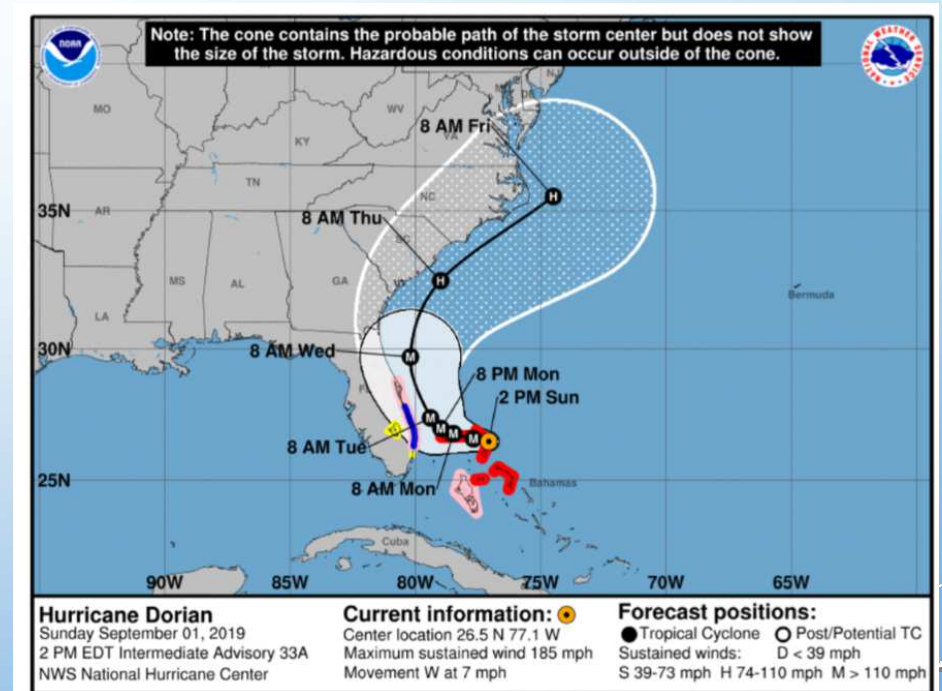
SUNDAY, SEPTEMBER 1, 2019

- MIKE WOLF REPORTED TO AN ADULT SPECIAL NEEDS SHELTER IN PARKLAND
- WAS ABLE TO UTILIZE HIM OUTSIDE OF HIS NORMAL HOSPITAL ASSIGNMENT AS THE HOSPITALS DID NOT ACTIVATE



SUNDAY, SEPTEMBER 1, 2019

- WINDS WENT FROM 150 MPH TO 185 MPH, DROPPED BACK TO 180 MPH AT 11 PM
- CAT 5 MOVING ACROSS THE ABACOS ISLANDS IN THE BAHAMAS – 2 PM UPDATE SHOWS LANDFALL
- WIND GUSTS OVER 220 MPH
- STORM SURGE 18' TO 23' ABOVE NORMAL
- 9 PM – EYE NEARING EASTERN END OF GRAND BAHAMA, 11 PM UPDATE SHOWS LANDFALL ON EASTERN END OF GRAND BAHAMA ISLAND



DORIAN'S PATH

- [HTTPS://WWW.NHC.NOAA.GOV/ARCHIVE/2019/DORIAN_GRAPHICS.PHP?PRODUCT=5DAY
CONE WITH LINE](https://www.nhc.noaa.gov/archive/2019/dorian_graphics.php?product=5day_cone_with_line)

MONDAY, SEPTEMBER 2, 2019
GENERAL POPULATION SHELTERS BEGIN TO OPEN



MONDAY, SEPTEMBER 2, 2019

- STEVE MARTIN DEPLOYED TO MONARCH HIGH SCHOOL GENERAL POPULATION SHELTER
- KENNY HOLLENBECK DEPLOYED TO ARTHUR ASHE/ROCK ISLAND GENERAL POPULATION SHELTER



ACCOUNTABILITY THROUGHOUT THE INCIDENT

- AT THE TOP OF EVERY HOUR, HAMS IN THE FIELD CHECKED IN WITH THE RACES STAFF AT THE EOC
- YOUR WELL-BEING IN THE FIELD IS OUR MAIN CONCERN
- SOMEONE WAS AT THE RADIOS 24/7 AT THE EOC SHOULD HAMS IN THE FIELD NEED SOMETHING



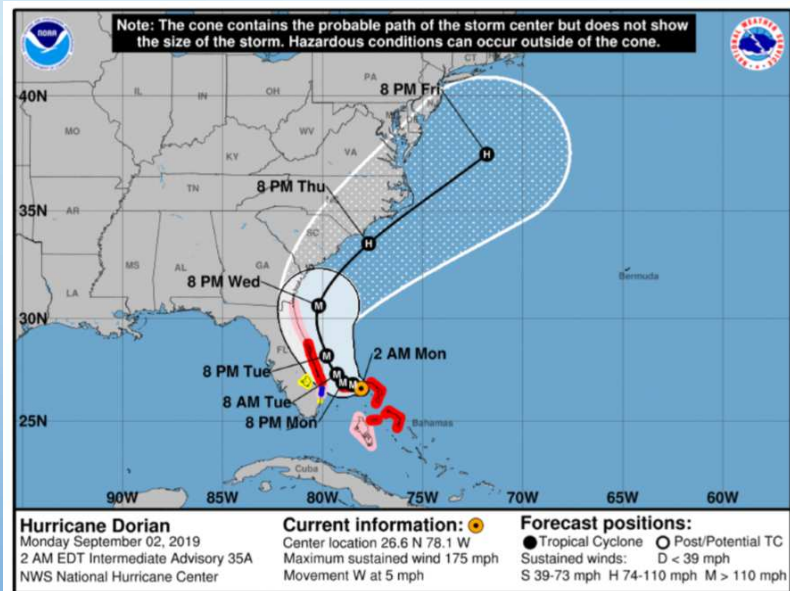
ACCOUNTABILITY THROUGHOUT ENTIRE INCIDENT



ACCOUNTABILITY THROUGHOUT THE ENTIRE INCIDENT



MONDAY, SEPTEMBER 2, 2019



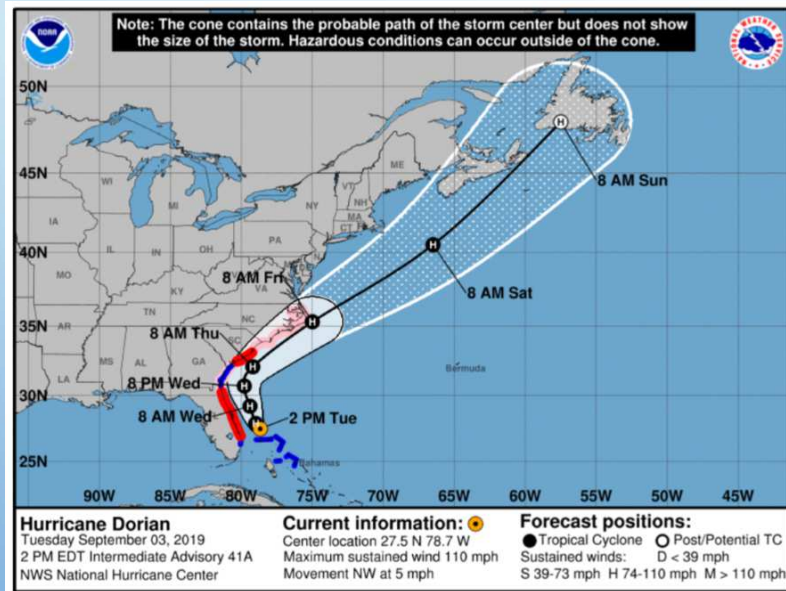
- DORIAN CONTINUES TO BATTER GRAND BAHAMA
- EYE BEGINS SITTING OVER GRAND BAHAMA ISLAND WITH A SLIGHT DRIFT TO THE WEST
- REMAINED MOSTLY STATIONARY
- 105 MILES FROM WEST PALM BEACH

MONDAY, SEPTEMBER 2, 2019

- DORIAN REMAINED STATIONARY AND BATTERED THE BAHAMAS WITH ITS HIGH WINDS FOR AN EXTENDED PERIOD OF TIME
- ONE SMALL SHIFT IN THE FORECAST TRACK COULD HAVE SENT DORIAN CLOSER TO US

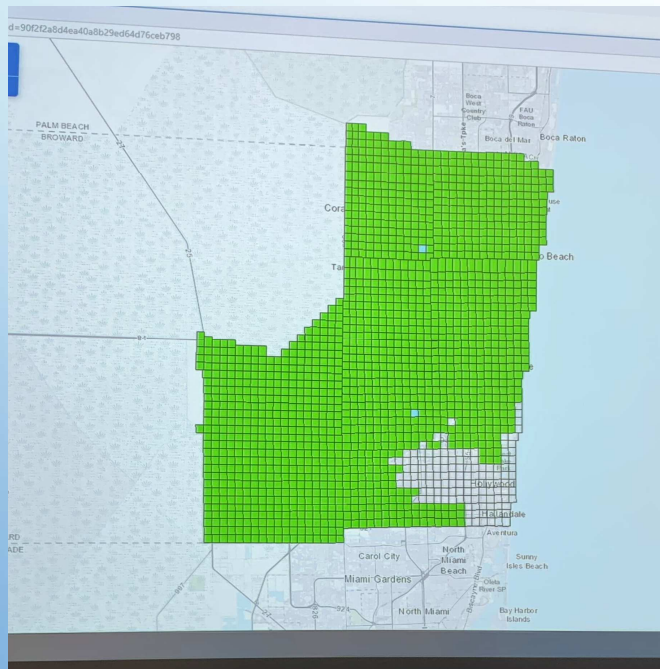


TUESDAY, SEPTEMBER 3, 2019



- DORIAN HAD MADE ITS TURN NORTH AND BROWARD WATCHES AND WARNINGS WERE DISCONTINUED
- WINDS WENT FROM 130 MPH TO 110 MPH
- HURRICANE MOVING PARALLEL TO, BUT OFFSHORE OF, THE EAST COAST OF FLORIDA
- WINDS WENT FROM 130 MPH TO 110 MPH
- HURRICANE MOVING PARALLEL TO, BUT OFFSHORE OF, THE EAST COAST OF FLORIDA

TUESDAY, SEPTEMBER 3, 2019



- ALL CLEAR GIVEN FOR BROWARD COUNTY
- RAPID IMPACT ASSESSMENTS COMPLETED IN ALL MUNICIPALITIES
- GREEN IS A GOOD THING 😊

TUESDAY, SEPTEMBER 3, 2019

- SHELTER RESIDENTS BEGAN GOING BACK TO THEIR HOMES
- HAM OPERATIONS WERE BEING DEMOBILIZED AS THE SHELTERS EMPTIED
- FINISHED ALL OF OUR TASKS
- TIME SHEETS COMPLETED ON EACH PERSON
- RECEIVED BLESSING TO DEMOBILIZE FROM THE SECTION CHIEF AND BRANCH DIRECTOR

BROWARD COUNTY
FLORIDA

Broward Emergency Operations Center
Demobilization Unit
Standard Operating Procedures

Hurricane Dorian Demobilization Sign-off Sheet

ESF # or Unit ESF 2 - RACES

Each ESF or Unit will use the checklist below to obtain the required sign-off. The Unit's Branch Director shall give final approval, after receiving approval from their Section Chief and determining that all items on the checklist have been satisfied.

- ☒ All current objectives are complete
- ☒ All outstanding WebEOC and State WebEOC resource requests/task assignments are resolved or sufficiently assigned.
- ☒ All outside personnel are either scheduled or directed to return home
- ☒ Inventory has been submitted and accepted (if applicable)
- ☒ Time sheets completed and submitted
- ☒ Outstanding financial obligations documented *N/A*
- ☒ Continuing Operations Procedures submitted (if applicable) *N/A*
- ☒ Closeout SITREP has been accepted
- ☒ Electronic and paper files have been archived
- ☒ All ESF/Unit staff have signed out of WebEOC®
- ☒ Work areas clean

APPROVAL to DEMOBILIZE

Rita Duran
Branch Director

Raquel
Section Chief or Direct Supervisor

CAROL SPURSEN 954-803-6338
Emergency Contact Name and Phone Number (available 24 hours)

SUMMARY OF HAM OPERATIONS

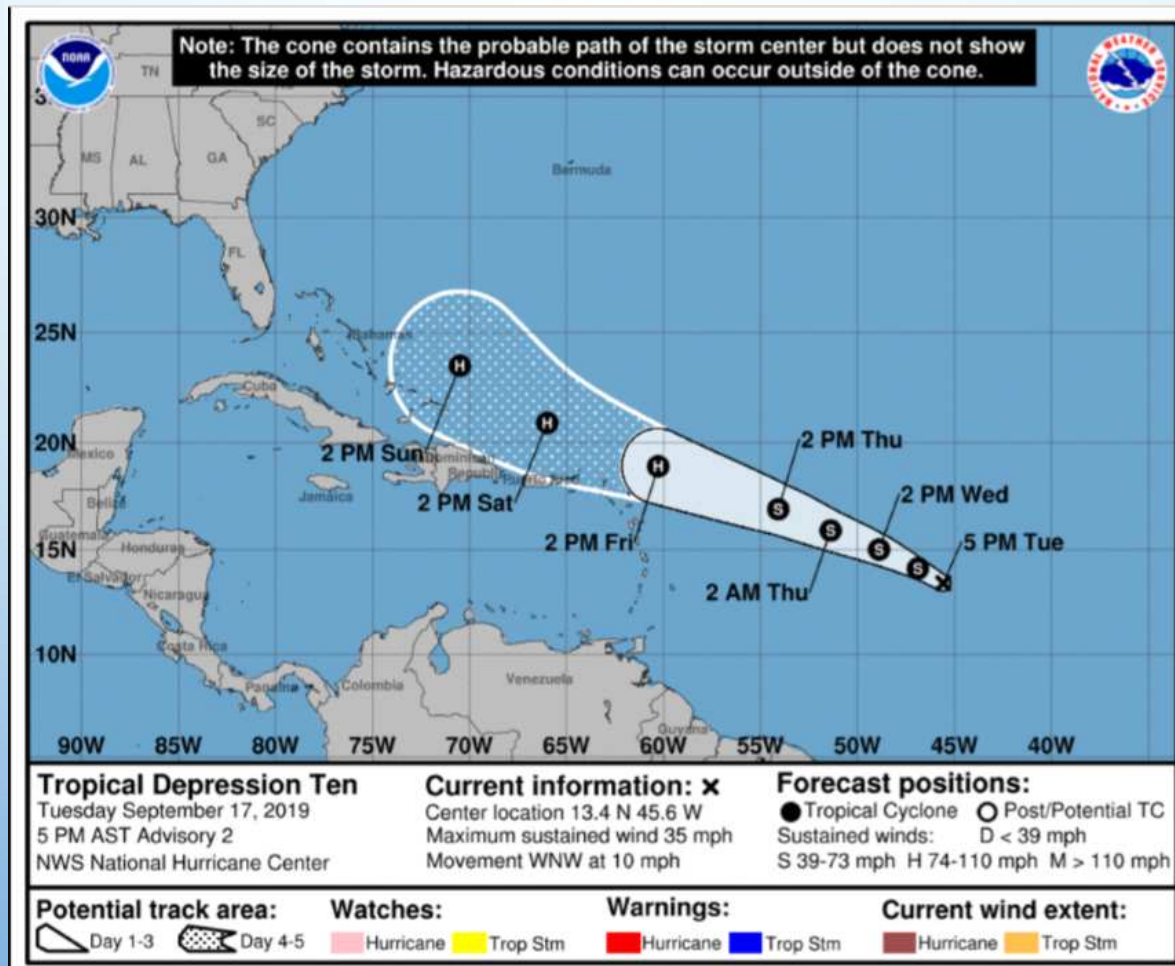
- 5 HAMS DEPLOYED TO THE BROWARD EMERGENCY OPERATIONS CENTER
- 4 HAMS DEPLOYED TO ADULT SPECIAL NEEDS SHELTERS
- 1 HAM DEPLOYED TO PEDIATRIC SPECIAL NEEDS SHELTER
- 2 HAMS DEPLOYED TO GENERAL POPULATION SHELTERS
- 12 HAMS TOTAL OUT IN THE FIELD
- MANY OTHER HAMS MONITORING FROM THEIR HOMES
- 474.75 HOURS VOLUNTEERED BY HAMS FOR THE HURRICANE DORIAN RESPONSE
- ADDITIONAL HOURS NOT INCLUDED IN THE ABOVE FOR MONITORING, CONFERENCE CALLS, HAMS AT THEIR HOMES, EMAIL, SOCIAL MEDIA POSTING


The background of the slide features a blue gradient that transitions from a lighter, almost white blue at the top to a deeper blue at the bottom. Scattered across this gradient are numerous water droplets of various sizes. Some droplets are partially cut off by the edges of the frame, while others are fully visible. Each droplet has a thin, dark outline and a bright white highlight, giving them a three-dimensional appearance. The overall effect is clean and fresh, suggesting a theme related to water, climate, or nature.

WHAT'S NEXT?

THE TROPICS HAVE BEEN ACTIVE

TROPICAL DEPRESSION TEN





**THANK YOU
FOR YOUR DEDICATION
TO BROWARD COUNTY
ARES/RACES!**