

OKALOOSA COUNTY-SPECIFIC HURRICANE PREPAREDNESS

OKALOOSA COUNTY BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF EMERGENCY MANAGEMENT

PATRICK MADDOX, DIRECTOR OF PUBLIC SAFETY



CHANGES FROM PREVIOUS PRESENTATIONS

- WE HAVE TRADITIONALLY STUCK TO BROAD-SPECTRUM OVERVIEWS OF TROPICAL CYCLONES- GOOD FOR NEWBIES TO UNDERSTAND THIS TYPE OF WEATHER.
- THIS VERSION WILL HAVE SOME OF THAT, BUT MORE-OKASLOOSA SPECIFIC EXPECTED LOCAL IMPACT INFO, EVACUATION METHODOLOGY, DECISION PERAMETERS WITH MORE Q&A AND OTHER ENGAGEMENT.
- WE'VE TRADITIONALLY STUCK TO BIG-NAME STORMS OF THE PAST FOR EXAMPLES.
- THIS VERSION WILL HAVE SOME OF THAT, BUT WILL EXAMINE SOME MORE-RECENT CASE STUDIES- TECH UPGRADES HAVE ALLOWED FOR QUICKER DISSECTION AND AFTER-ACTION ANALYSIS.

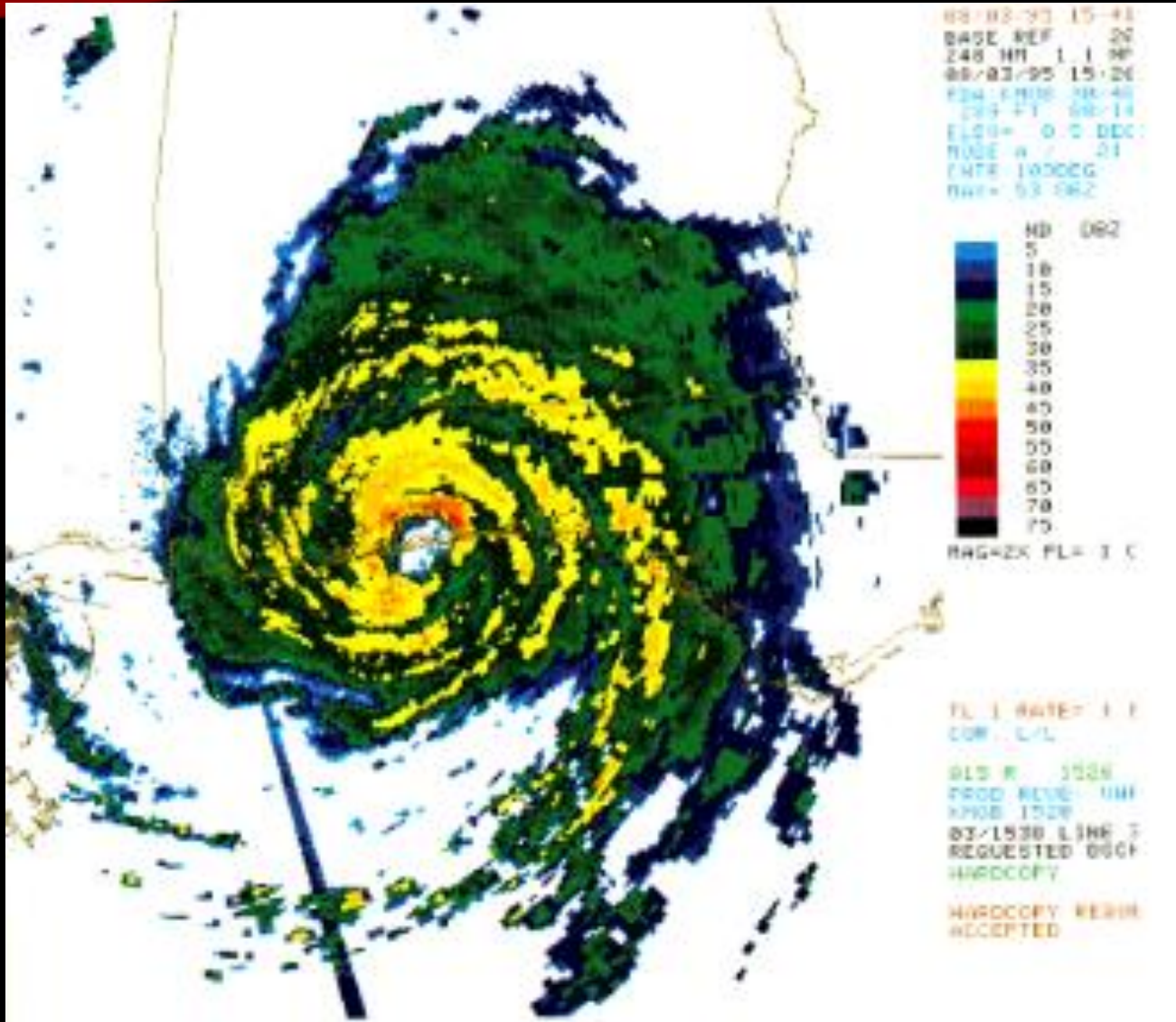
LET'S START WITH WHERE YOU LIVE: OKALOOSA COUNTY

- OVER 930 SQUARE MILES OF LAND WITH AN ADDITIONAL 152 SQUARE MILES OF WATER AND BARRIER BEACHES.
- MUNICIPALITIES INCLUDE CRESTVIEW (COUNTY SEAT), DESTIN, FORT WALTON BEACH, LAUREL HILL, MARY ESTHER, NICEVILLE, VALPARAISO, CINCO BAYOU AND SHALIMAR. MULTIPLE UNINCORPORATED COMMUNITIES EXIST WITHIN THOSE LIMITS, SUCH AS BAKER, DORCAS, FLOROSA, HOLT, OKALOOSA ISLAND, ETC.
- MORE THAN 220,000 RESIDENTS (+/- ADDITIONAL 50,000 TOURISTS AT ANY GIVEN TIME)
- ALMOST 108,000 HOUSING UNITS
- MULTIPLE MILITARY INSTALLATIONS (DUKE FIELD, EGLIN AFB, HURLBURT FIELD, CAMP BULL)

YOUR DEPARTMENT OF PUBLIC SAFETY: OKALOOSA COUNTY

- **EMERGENCY MANAGEMENT- ALL HAZARDS * TODAY'S TOPIC ***
- EMS INCLUDING TACTICAL MEDICS, COMMUNITY PARAMEDICINE, IFBD
- BEACH SAFETY- OKALOOSA ISLAND LIFEGUARDS
- PARK RANGERS
- COUNTER-TERRORISM
- DORCAS FIRE DEPARTMENT
- ANIMAL CONTROL
- SPECIAL ASSIGNMENTS-INVESTIATIONS-DIGNITARY PROTECTION

SCARY HURRICANE FACTS: CATEGORIES OKALOOSA COUNTY

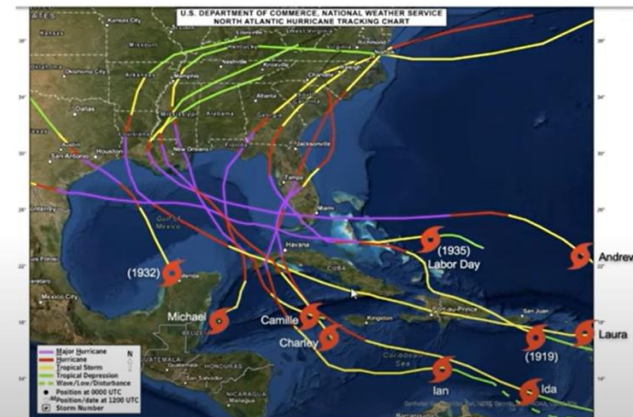


- HURRICANES ARE CATEGORIZED ONLY BY WIND SPEED WHEN WATER IS GREATEST THREAT. 1: 74MPH+, 2: 96PMH+, 3: 111MPH+, 4: 130MPH+, 5: 157MPH+. WATER DOES NOT FACTOR IN CAT.
- THE NATION'S STRONGEST HURRICANES IN THE LAST 100 YRS (150MPH +) WERE T/S 3 DAYS PRIOR TO LANDFALL- RAPID INTENSIFICATION

Challenge: Short Lead Times

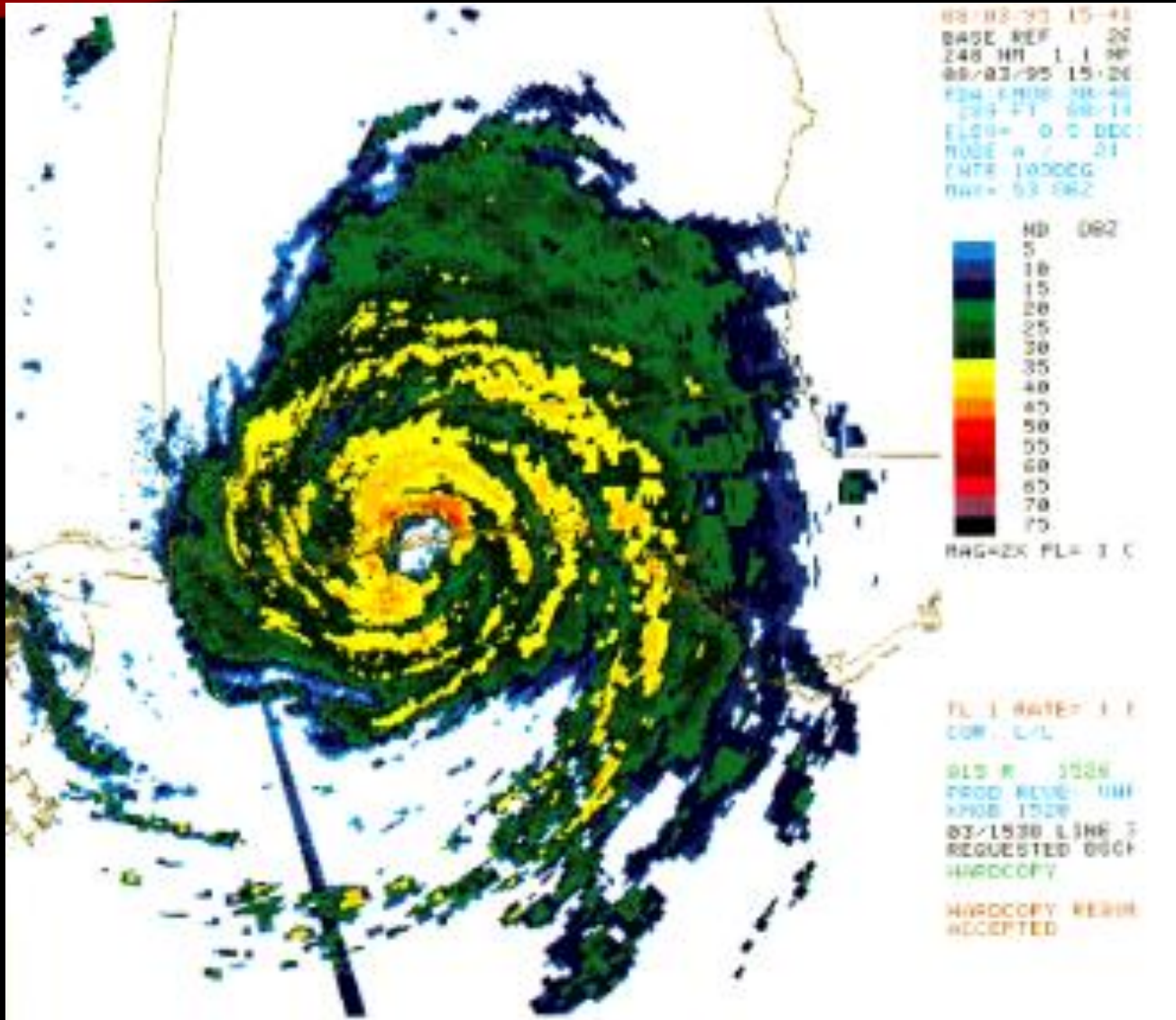
The Nation's Strongest Hurricanes (150+ MPH) in the last 100 years were all Tropical Storms 3 days before landfall

U.S. 150 mph+
1919 – Storm 2
1932 – Storm 2
1935 – Labor Day
1969 – Camille
1992 – Andrew
2004 – Charley
2018 – Michael
2020 – Laura
2021 – Ida
2022 – Ian



Average time to become a hurricane is 50 h before landfall

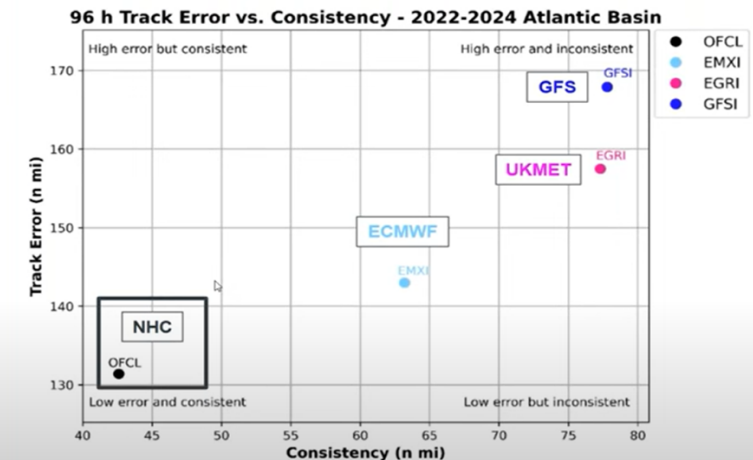
SCARY HURRICANE FACTS: MODELS OKALOOSA COUNTY



- 2022-2025: THE NHC IS MOST ACCURATE BY FAR, THEN EURO, THEN UKMET, THEN GFS.
- DO NOT FOCUS ON MODELS- THEY AREN'T FORECASTS. DISCUSS HOW MODELS WORK.
- THE CENTER OF TROPICAL CYCLONES TRAVEL OUTSIDE OF THE ERROR CONE 1/3 OF THE TIME

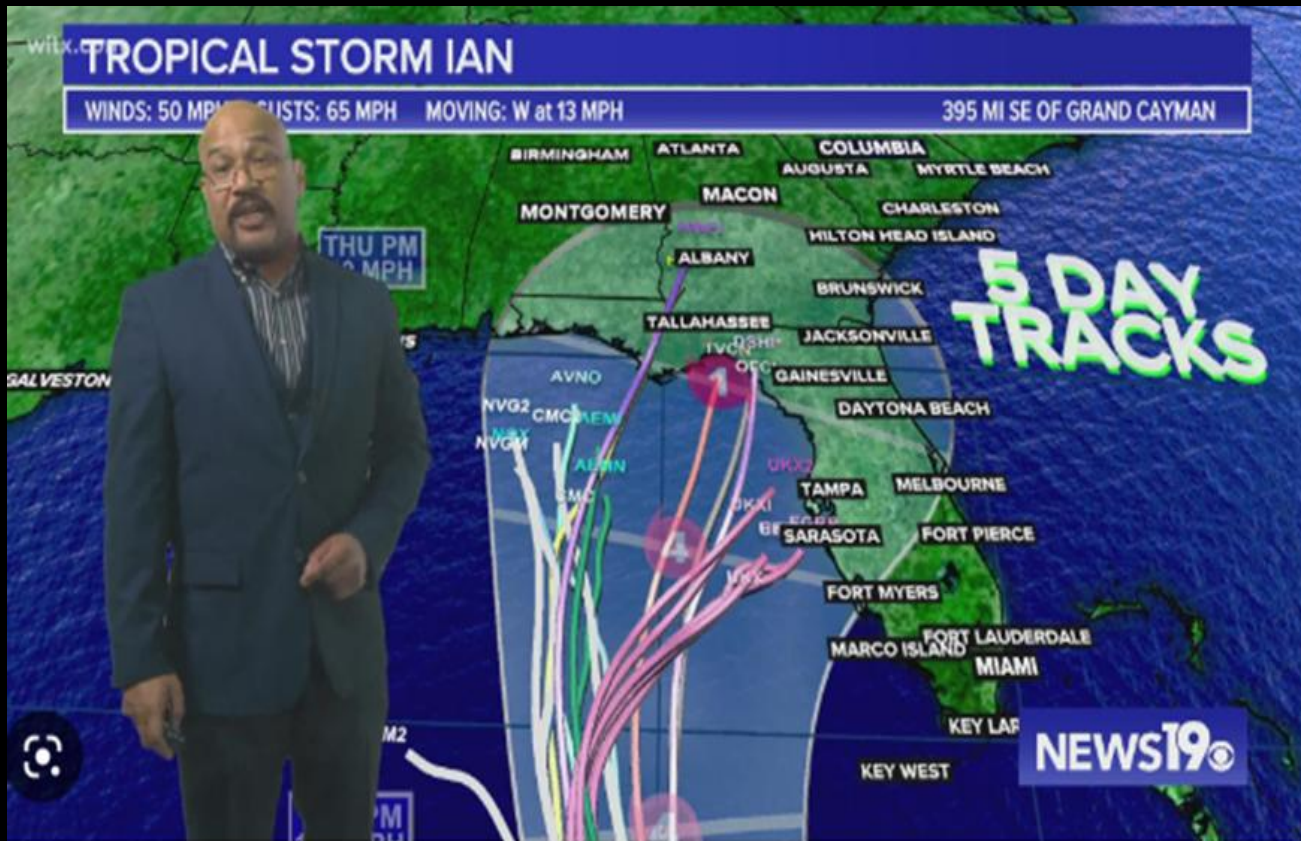
Challenge: Stop Focusing on Models

NHC's track forecasts have a lower average error and are more consistent than any individual model



SCARY HURRICANE FACTS: MODELS OKALOOSA COUNTY

SPAGHETTI MODELS ARE NOT FORECASTS!!!

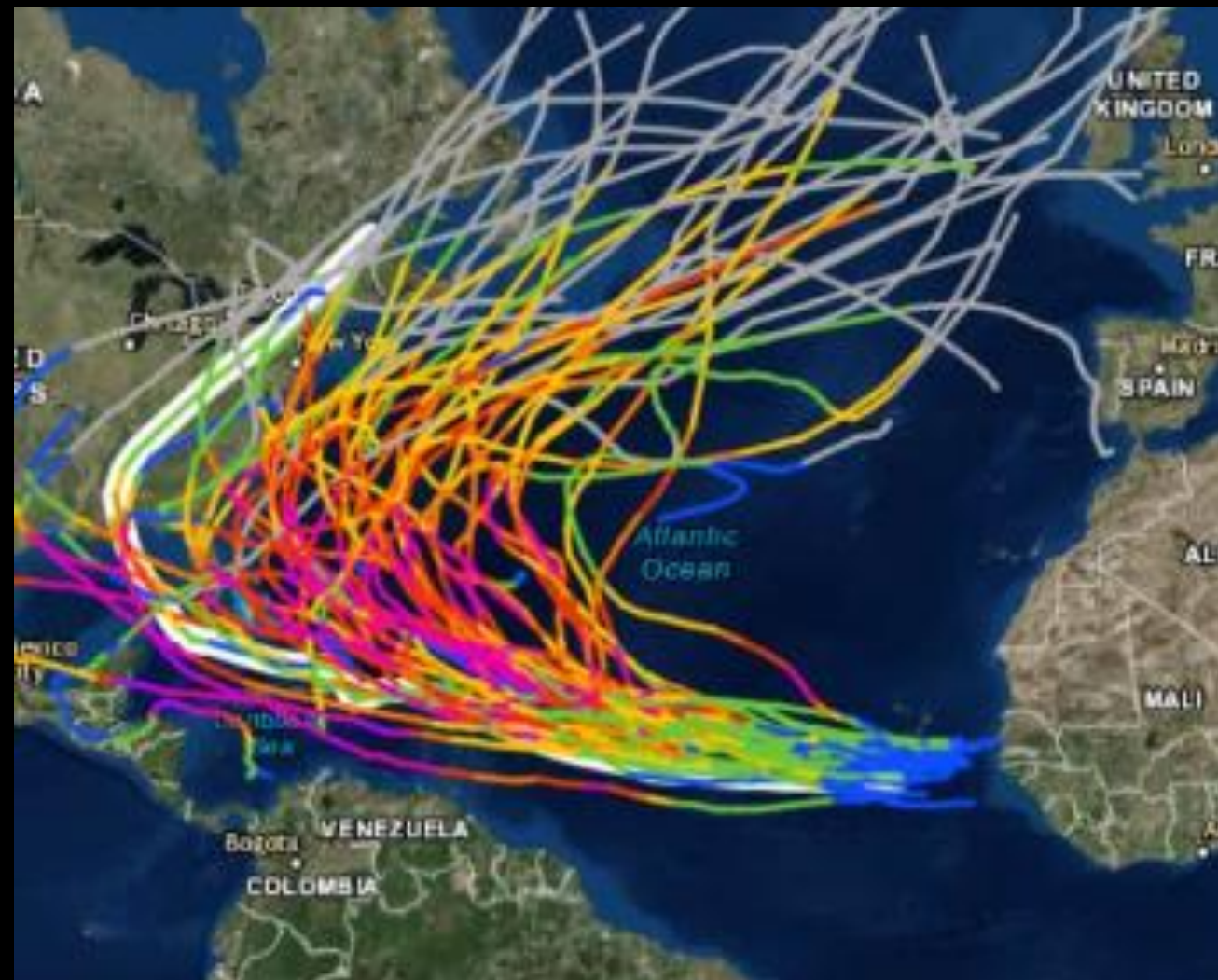


- TRACK/INTENSITY FORECASTS ARE OF LITTLE VALUE BEFORE A LOW-PRESSURE CENTER IS DEFINED (WHEN STORMS ARE STILL JUST A DISTURBANCE)
- DON'T GET HUNG UP INDIVIDUAL MODEL RUNS- FOCUS ON TRENDS
- DON'T FALL PREY TO SINGLE-MODEL, END-GAME GRAPHICS ON SOCIAL MEDIA
- SOCIAL MEDIA IS NOT YOUR FRIEND- STICK TO OFFICIAL NEWS SOURCES AND LOCAL EXPERTS

TROPICAL THREAT ANALYSIS: OKALOOSA COUNTY

OKALOOSA'S TROPICAL HISTORY

- FROM 1859-2025, 154 TROPICAL IMPACTS
- ALMOST 50-50 HURRICANE TO T/S RATIO
- LONGEST GAP NO IMPACT 9 YEARS: 1965-1975
- BRUSHED/HIT EVERY 2.61 YEARS
- ONCE EVERY 8. YRS. HURRICANE WINDS
- ONCE EVERY 17 YRS. MAJOR HURRICANE WINDS
- AVG. MPH OF HURRICANE WINDS: 105 MPH
- LAST AFFECTED: HURRICANE SALLY 2020



LOCAL TROPICAL IMPACT VULNERABILITY: OKALOOSA COUNTY

IMMEDIATE THREAT- THESE ARE FACTORS WHICH CHALLENGE EMERGENCY RESPONSE

- FLOOD- WATER FROM THE GROUND-UP
- FLASH/AERIAL FLOOD- WATER FROM THE SKY-DOWN
- WIND- STRAIGHTLINE, VORTEX, MICROBURST
- POWER AND WATER
- INFRASTRUCTURE
- CIVIL CONCERNS/ INFO ACCURACY / SOCIAL MEDIA NONSENSE
- MILITARY CONCERNS

LOCAL TROPICAL IMPACT VULNERABILITY: OKALOOSA COUNTY

SHORT TERM THREAT- THESE ARE FACTORS WHICH CHALLENGE POST-RESPONSE STABILIZATION AND C.O.O.P. (COMMUNITY LIFELINES MODEL)

- SAFETY AND SECURITY
- FOOD, WATER SHELTER
- HEALTH AND MEDICAL
- ENERGY (POWER AND FUEL)
- COMMUNICATIONS
- TRANSPORTATION
- HAZARDOUS MATERIALS

COMMUNITY LIFELINES: OKALOOSA COUNTY



Safety and Security



Law Enforcement/Security



Fire Services



Search and Rescue



Government Services



Community Safety



Food, Water, Shelter



Food



Water



Shelter



Agriculture



Health and Medical



Medical Care



Patient Movement



Public Health



Fatality Management



Medical Supply Chain



Energy (Power & Fuel)



Power (Grid)



Fuel



Communications



Infrastructure



Alerts, Warnings, and Messages



911 and Dispatch



Responder Communications



Finance



Transportation



Highway/Roadway



Mass Transit



Railway



Aviation



Maritime



Hazardous Materials



Facilities



HAZMAT, Pollutants, Contaminants

LOCAL TROPICAL IMPACT VULNERABILITY: OKALOOSA COUNTY

LONG TERM THREAT- THESE ARE FACTORS WHICH CHALLENGE THE RECOVERY PROCESS.

- IA, PA, SBA (SEE HANDOUT)
- FEMA, INSURANCE CLAIMS- LONG LEAD TIMES
- REBUILDING HOMES AND INFRASTRUCTURE- CONTRACTOR AVAILABILITY
- ZOMBIE HOMES/ABANDONMENT/LOSS OF CONFIDENCE
- TOURISM IMPACTS- ECONOMIC STABILITY OF COUNTY AND BUSINESSES
- EMPLOYEE TURNOVER
- LESSONS LEARNED

YOUR DEPARTMENT OF PUBLIC SAFETY: OKALOOSA COUNTY

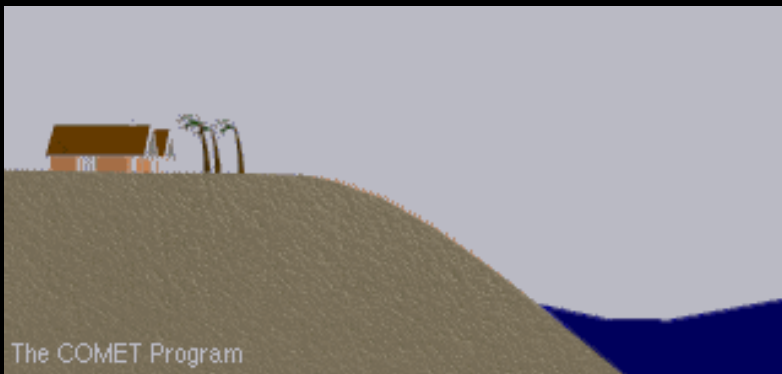
- **CHALLENGE QUESTION:**
- **WHAT IS THE GREATEST KILLING FACTOR IN CURRENT HURRICANES?**

WATER

DANGERS

- What is the “greatest killer” in CURRENT hurricanes?

WATER



DANGERS

- **WATER**

- 6 INCHES OF FAST-MOVING WATER CAN KNOCK YOU OFF YOUR FEET.
- 1 FOOT OF WATER WILL FLOAT MANY VEHICLES.
- 2 FEET OF WATER WILL CARRY AWAY MOST VEHICLES.
- FLOOD INSURANCE?



DANGERS

- **WATER**

- STORM SURGE CAN BE DEPENDENT UPON THE SIZE AND DIRECTION OF THE STORM, NOT THE STRENGTH, AND IS COMPOUNDED BY NORMAL ASTRONOMICAL TIDE TO CREATE STORM TIDE
- STORM SURGE/TIDE CAN TRAVEL MILES INLAND AND CARRY DEBRIS/DANGEROUS ANIMALS
- WATER WEIGHS 1700 POUNDS PER CUBIC YARD. IT CARRIES INCREDIBLE POTENTIAL AND KINETIC ENERGY. WAVE ACTION ON TOP OF STORM SURGE IS DEVASTATING
- * **DON'T GET HUNG UP ON CATEGORY OF STORM, LOOK AT EXPECTED LOCAL IMPACTS**
- HURRICANE OPAL- CAT 3, 1995- 24 FOOT STORM TIDE IN FORT WALTON BEACH, 3 BILLION DMG
- HURRICANE IKE- "ONLY" CAT 2, HUGE WIND FIELD- 2008- 15-20 FOOT STORM SURGE GALVESTON BEACH, TEXAS, 25 BILLION DAMAGE.
- HURRICANE KATRINA- CAT 5, 2005- 28 FOOT STORM SURGE MISSISSIPPI COAST, 74 BILLION DMG
- HURRICANE IAN 15 FT SURGE FT. MYERS
<https://www.youtube.com/watch?v=al8yTiCVfro>

MEXICO BEACH, HURRICANE MICHAEL PERSPECTIVE....WAIT FOR IT...



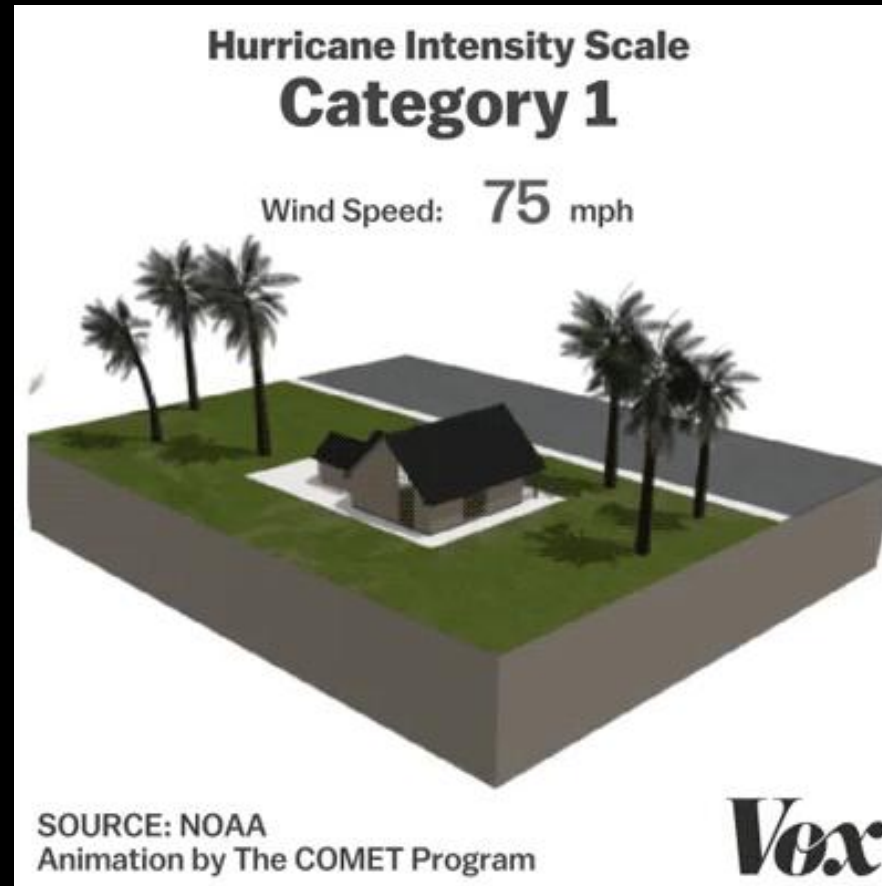
DANGERS

- **WATER**

- PERSISTENT RAINFALL AND “TRAINING” OF THUNDERSTORMS CREATES DANGEROUS FLOODING CONDITIONS- HURRICANE SALLY 2020 20-30 INCHES OF RAIN IN OKALOOSA COUNTY, FOLLOWED BY RIVER FLOODING WHICH GENERALLY PEAKS ABOUT 24 HOURS LATER
- SEVERAL FACTORS CONTRIBUTE TO FLASH-FLOOD RISKS, BUT TWO KEY ELEMENTS ARE:
 - INTENSITY- RATE OF RAINFALL
 - DURATION- HOW LONG IT LASTS
- TOPOGRAPHY, SOIL CONDITIONS AND GROUND COVER ALSO PLAY SIGNIFICANT ROLES
- * DON'T GET HUNG UP ON CATEGORY OF STORM, LOOK AT EXPECTED LOCAL IMPACTS
- TROPICAL STORM ALLISON, “ONLY” A TROPICAL STORM, 2001- 37” OF RAIN IN PORT OF HOUSTON, TEXAS- 5 BILLION IN DMG

DANGERS

- WIND



DANGERS

- **WIND**

- OBVIOUS DANGER FROM DAMAGE TO STRUCTURES/ROOFS- WIND SPEED IS DANGEROUS. YOUR GARAGE DOOR IS VULNERABLE, AND A BREACH THERE CAN COLLAPSE YOUR ROOF. BRACE IT.
- FALLING OBJECTS- TREES, ARCHITECTURE, SUPERSTRUCTURE
- MISSILES: DEBRIS BLOWING IN THE WIND AT HIGH SPEEDS
- DOWNED POWER LINES CAN ENERGIZE OTHER OBJECTS- DON'T TOUCH

- DON'T BE LUCKY TO SLEEP BY THE EYE OF THE STORM. DON'T VENTURE OUTSIDE- IF YOU'RE IN THE EYE, THE BACK SIDE OF THE STORM IS MINUTES AWAY. WINDS WILL BE FROM A DIFFERENT DIRECTION AND WILL DISLODGE OTHER DEBRIS.

IT'S TIME FOR OUR NEW GAME SHOW

NAME THAT INTERSECTION!

BROUGHT TO YOU COURTESY OF HURRICANE SALLY

- **THE OKALOOSA COUNTY PUBLIC SAFETY HURRICANE EXPO GAME SHOW WHERE YOU CAN EARN BRAGGING RIGHTS AND USELESS SWAG BY NAMING LOCAL INTERSECTIONS AND OTHER LOCATIONS DURING FLOOD CONDITIONS. NO STREET SIGNS, LIMITED LANDMARKS AND LOTS AND LOTS OF WIND AND WATER.**
- **NICK, WHAT DO WE HAVE FOR OUR WINNER TODAY?**

NAME THAT INTERSECTION! LOCATION 1



PHOTO CREDIT: NWFL DAILY NEWS

MIRACLE STRIP PKWY & SANTA ROSA BLVD

NAME THAT INTERSECTION! LOCATION 2



PHOTO CREDIT: NWFL DAILY NEWS

US HWY 98 & SANTA ROSA BLVD

NAME THAT INTERSECTION! LOCATION 3



PHOTO CREDIT: NWFL DAILY NEWS

US HWY 98 IN FWB

NAME THAT INTERSECTION! LOCATION 4



PHOTO CREDIT: NWFL DAILY NEWS

EB US HWY 98 ON OKALOOSA ISLAND

NAME THAT INTERSECTION! LOCATION 5



PHOTO CREDIT: NWFL DAILY NEWS

BAYSHORE DR. AT 29TH ST.- NICEVILLE

NAME THAT INTERSECTION! BONUS ROUND



SPOIL ISLANDS, SANTA ROSA SOUND

YOUR DEPARTMENT OF PUBLIC SAFETY: OKALOOSA COUNTY

- **CHALLENGE QUESTION:**
- EARLIER I ASKED YOU, “WHAT IS THE GREATEST KILLING FACTOR IN CURRENT HURRICANES”? NOW I ASK YOU:
- **WHAT IS THE GREATEST KILLING FACTOR IN FUTURE HURRICANES?**
- (If you've already attended one of my presentations, dummy-up, otherwise-shout it out, we'll discuss later)



DANGERS

PAST HURRICANES

“I made it through Hurricane X, Hurricane Y is weaker- I’m staying.”

FIGHTING BACK : OKALOOSA COUNTY

HOW DO WE FIGHT A 300 MILE-WIDE MONSTER? BLUE SKY INVESTMENT & EXPERIENCE.

- MAINTAIN CONSTANT STATE OF READINESS
- WORK THROUGH 4 STAGES OF EMERGENCY MANAGEMENT- MITIGATION, PREPAREDNESS, RESPONSE, RECOVERY
- MAINTAIN STRONG RELATIONSHIPS WITH STRATEGIC PARTNERS
- MAINTAIN CONFIDENCE OF CRITICAL STAKEHOLDERS
- UNIFIED, ACCURATE COMMUNICATION UP, DOWN AND PUBLIC
- ENGAGE COMMUNITY LIFELINES SOLUTION METHODOLOGY

SURVIVE

PLAN BEFORE THE STORM

- HURRICANE PREPAREDNESS WEEK- EARLY MAY, NOAA AND NWS/NHS INFO
- PREPARE EARLY- USE RESOURCES, *REHEARSE* PLANS WITH FAMILY:
 - [READY.GOV/HURRICANES](https://www.ready.gov/hurricanes) (FEMA): HURRICANE DISASTER PREP AND TIMELINES
 - [MYOKALOOSA.COM](https://www.myokaloosa.com) (COUNTY WEBSITE)-DEPARTMENTS-PUBLIC SAFETY-SECTIONS

EMERGENCY MANAGEMENT:

EVACUATION ZONES, ROUTES, SHELTER LOCATIONS, SPECIAL NEEDS REGISTRY LINK, EMERGENCY PLANNING INFO/KIT INVENTORY, ALERT OKALOOSA REGISTRY

HIDE FROM WIND, RUN FROM WATER. DON'T ATTEMPT TO CROSS FAST MOVING WATER. DEEP WATER CAN HIDE DANGEROUS DEBRIS, ANIMALS AND DOWNED POWER LINES.

OBEY EVACUATION ORDERS!!! THEY ARE USUALLY ISSUED FOR WATER, NOT WIND.

WHEN OKALOOSA COUNTY IS UNDER THREAT

- DIRECTOR OF PUBLIC SAFETY EVALUATES THREAT AND INFORMS COUNTY ADMINISTRATOR. EMERGENCY OPERATIONS CENTER (EOC) ACTIVATED TO LEVEL 2
- RECOMMENDATION TO OKALOOSA BOARD OF COUNTY COMMISSIONERS FOR DECLARATION OF LOCAL STATE OF EMERGENCY
- IF DOE IS MADE, EMERGENCY OPERATIONS CENTER IS ACTIVATED TO LEVEL 1- ALL ESF'S, AND COMPREHENSIVE EMERGENCY MANAGEMENT PLAN (CEMP) IS ENACTED. AGGRESSIVE PUBLIC INFORMATION CAMPAIGN BEGINS WITH PIO AND MEDIA. CITIZENS INFORMATION LINE ESTABLISHED (311 OR 609-7000), COUNTY WEBSITE BECOMES CRITICAL INFORMATION PORTAL. EVACUATION NEEDS, SHELTER NEEDS AND TIMELINE ASSESSED. TRANSPORTATION MOU'S ENGAGED IF NECESSARY.
- EOC OPERATES IN NIMS/ICS PROTOCOL UNDER THE DIRECTION OF THE INCIDENT COMMANDER (DIRECTOR OF PUBLIC SAFETY OR CHIEF OF EMERGENCY MANAGEMENT) WITH REPORTING RESPONSIBILITIES TO OKALOOSA BOARD OF COUNTY COMMISSIONERS. COOP PLAN REVIEWED.

EMERGENCY OPERATIONS CENTER

- ACTIVATES ON LEVELS 1-3. UP TO 200 PERSONNEL STAFFING 21 EMERGENCY SUPPORT FUNCTIONS TO MANAGE THREAT ON 12 HOUR SCHEDULES. INCIDENT COMMANDER (PS DIRECTOR) ESTABLISHES ICS STRUCTURE WITH ESF'S REPORTING TO SECTION CHIEFS FOR OPERATIONS, LOGISTICS, PLANNING, FINANCE AND HUMAN NEEDS. SECTION CHIEFS REPORT TO THE INCIDENT COMMANDER, WHO ALSO LEADS A COMMAND STAFF TO INCLUDE THE PUBLIC INFORMATION OFFICER, LIAISON OFFICER AND SAFETY OFFICER.



EVACUATION ROUTES AND ZONES

- OBEY EVACUATION ORDERS!!! IF YOU SHELTER IN PLACE, EMERGENCY SERVICES MAY BE SIGNIFICANTLY DELAYED OR TOTALLY UNAVAILABLE FOR PERIODS OF TIME.
- ACCESS THE COUNTY WEBSITE TO SEE THE MOST UP TO DATE EVACUATION ROUTES AND EVACUATION ZONES. STORM SURGE MAPS ARE LOCATED THERE AS WELL.
- PLAN TO EVACUATE EARLY. DON'T PLAN AN EVACUATION TIMELINE BASED UPON THE FORECAST "CONE OF CONCERN". THIS ADDRESSES THE PROBABLE CENTER OF THE STORM (2/3 ACCURATE AT 5 DAYS). TROPICAL STORM FORCE WINDS EXTEND OUT HUNDREDS OF MILES FROM THE CENTER. EVACUATE MORE THAN 24 HOURS PRIOR TO ARRIVAL OF THESE CONDITIONS. YOU WILL ENCOUNTER UNEXPECTED DELAYS AND FAILURES.
- IN THE HOURS IMMEDIATELY PRECEDING TROPICAL STORM FORCE WIND ARRIVAL, THE COUNTY MAY COLLABORATE WITH THE OKALOOSA COUNTY SHERIFF'S OFFICE, DEPARTMENT OF TRANSPORTATION AND FLORIDA HIGHWAY PATROL TO LIFT TOLLS ON CERTAIN ROADS/BRIDGES AND ENGAGE IN TEMPORARY REVERSE-FLOW TRAFFIC ON MAIN ARTERIES.

HURRICANE SHELTERS

- **SHELTERS WILL BE OPENED ON A TIMELINE DETERMINED BY THE ESTIMATED ARRIVAL OF TROPICAL CONDITIONS, GENERALLY IN THE FOLLOWING ORDER:**

DAVIDSON MIDDLE SCHOOL- 3267 SPACES- SPECIAL NEEDS PRIMARY, PET FRIENDLY (PAWS)

SHOAL RIVER MIDDLE SCHOOL- 3653 SPACES- SPECIAL NEEDS SECONDARY

RIVERSIDE ELEMENTARY SCHOOL- 2679 SPACES- PET FRIENDLY

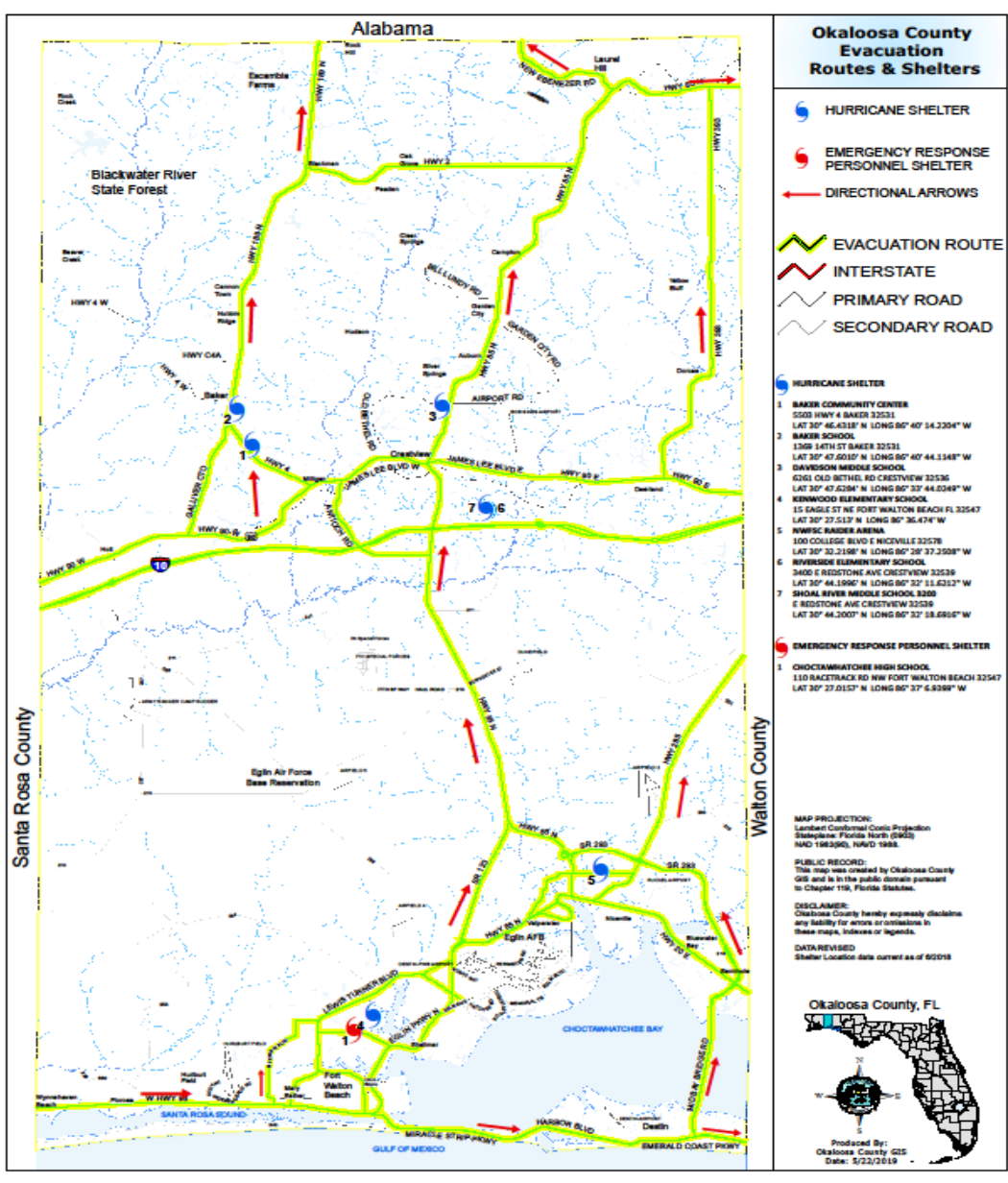
RAIDER ARENA- 2700 SPACES- GENERAL POPULATION

RESERVE SHELTERS AT ANTIOCH ELEMENTARY, BAKER SCHOOL AND KENWOOD ELEMENTARY WILL BE OPENED ONLY AS NEEDED. CHOCTOWATCHEE HIGH HAS A HALLWAY FOR FIRST RESPONDERS

HURRICANE SHELTERS

IMPORTANT SHELTER INFO

- TRANSPORTATION TO SHELTERS, INCLUDING MOST SPECIAL NEEDS RESIDENTS, CAN BE PROVIDED BY COUNTY-CONTRACTED EMERALD COAST RIDER (E.C. RIDER) BY CALLING 850-833-9168. SPECIAL NEEDS RESIDENTS WILL NEED TO BE ACCOMPANIED BY A CAREGIVER. SITUATIONS WHICH ARE OBVIOUSLY BEYOND THE SCOPE OF PUBLIC TRANSPORTATION SHOULD BE EVALUATED AND MITIGATED EARLY BY INDIVIDUAL FAMILIES. THESE ARRANGEMENTS NEED TO BE MADE EARLY AS E.C. RIDER WILL NOT OPERATE IN UNSAFE CONDITIONS.
- SHELTERS ARE NOT GOING TO BE COMFORTABLE. THEY ARE MEANT TO TEMPORARILY SHELTER PEOPLE FROM THE FURY A STORM **AS A LAST RESORT**. THE RED CROSS, DOH AND SCHOOLBOARD EMPLOYEES WILL ASSIST WITH SHELTER DEPENDING ON LOCATION AND DESIGNATION.
- SHELTER OCCUPANTS SHOULD BRING THEIR OWN BEDDING, NON-PERISHABLE FOOD, PERSONAL HYGIENE PRODUCTS AND NEEDED MEDICATIONS AMONG OTHER NECESSITIES.



**Okaloosa County
Evacuation
Routes & Shelters**

- HURRICANE SHELTER
- EMERGENCY RESPONSE PERSONNEL SHELTER
- DIRECTIONAL ARROWS
- EVACUATION ROUTE
- INTERSTATE
- PRIMARY ROAD
- SECONDARY ROAD

- HURRICANE SHELTER**
- 1 BAKER COMMUNITY CENTER
5203 HWY 4 BAKER 32531
LAT 30° 46.4318' N LONG 86° 40' 14.2304' W
 - 2 BAKER SCHOOL
1309 14TH ST BAKER 32531
LAT 30° 47.6010' N LONG 86° 40' 44.1148' W
 - 3 DAWSON MIDDLE SCHOOL
6260 OLD MICHEL RD CRESTVIEW 32536
LAT 30° 47.6284' N LONG 86° 33' 44.6349' W
 - 4 KENWOOD ELEMENTARY SCHOOL
15 DADGE ST NE FORT WALTON BEACH FL 32547
LAT 30° 33.5117' N LONG 86° 36.474' W
 - 5 NWFSO RAIDER ARENA
100 COLLEGE BLVD E WICKVILLE 32578
LAT 30° 32.2186' N LONG 86° 28' 37.2508' W
 - 6 REVERSIDE ELEMENTARY SCHOOL
3400 E REDSTONE AVE CRESTVIEW 32539
LAT 30° 44.1964' N LONG 86° 33' 13.6312' W
 - 7 SHOAL RIVER MIDDLE SCHOOL 8280
E REDSTONE AVE CRESTVIEW 32539
LAT 30° 44.2007' N LONG 86° 33' 18.6810' W
- EMERGENCY RESPONSE PERSONNEL SHELTER**
- 1 CHOCTAWHATCHEE HIGH SCHOOL
110 BACKTRACK RD NW FORT WALTON BEACH 32547
LAT 30° 33.0157' N LONG 86° 37' 6.8289' W

MAP PROJECTION:
Lambert Conformal Conic Projection
Stateplane: Florida North (FWS)
NAD 1983/90, NAD 1983

PUBLIC RECORD:
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DATA REVISED:
Shelter Location data current as of 6/2018

Okaloosa County, FL

Produced By:
Okaloosa County GIS
Date: 5/22/2019

Santa Rosa County

Walton County

Alabama

Blackwater River State Forest

Eglin Air Force Base Reservation

Choctawhatchee Bay

Gulf of Mexico



SUMMARY

QUESTIONS