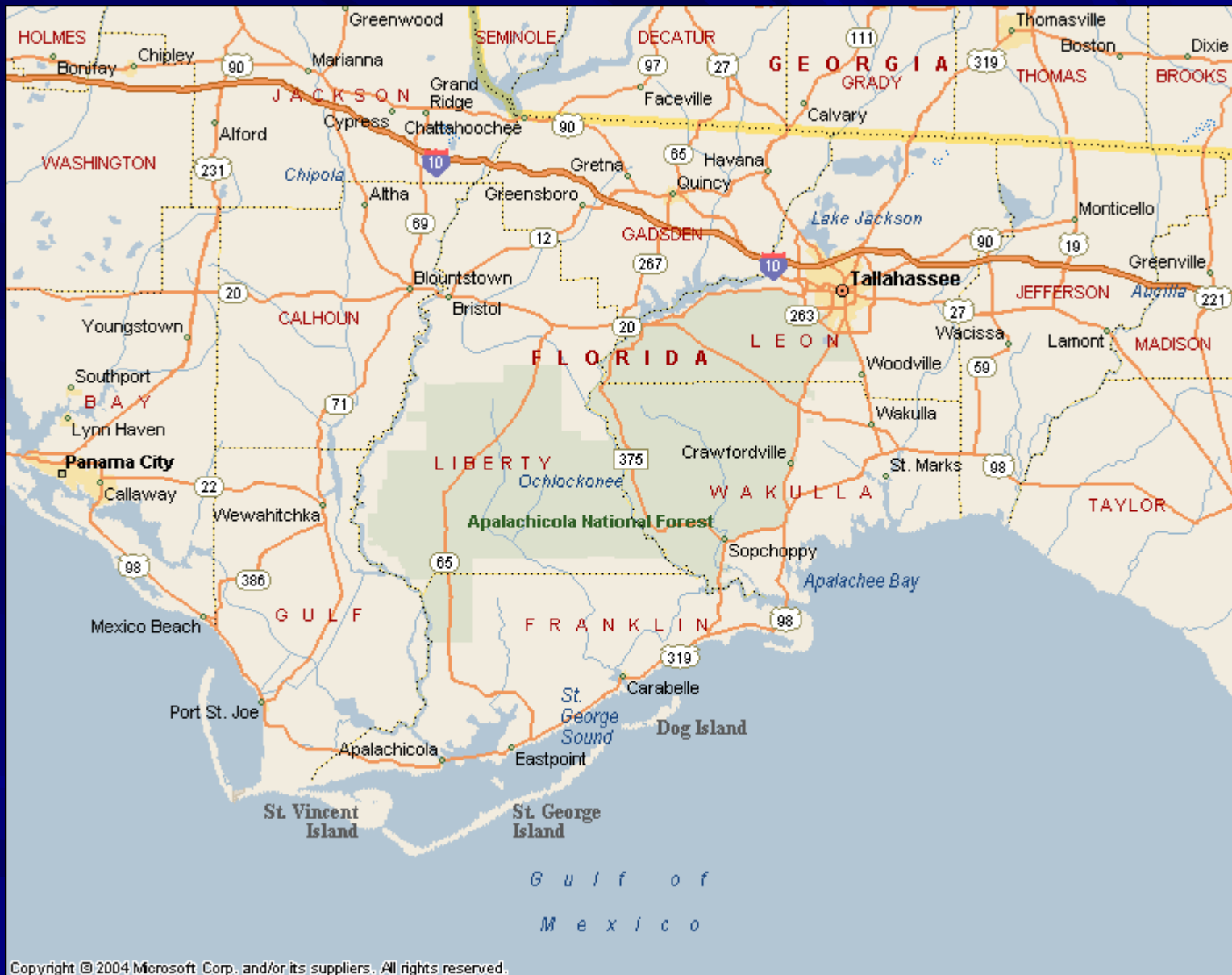


# US 98 Erosion of Shoulders

Marlon Holzbach VMS, Inc.

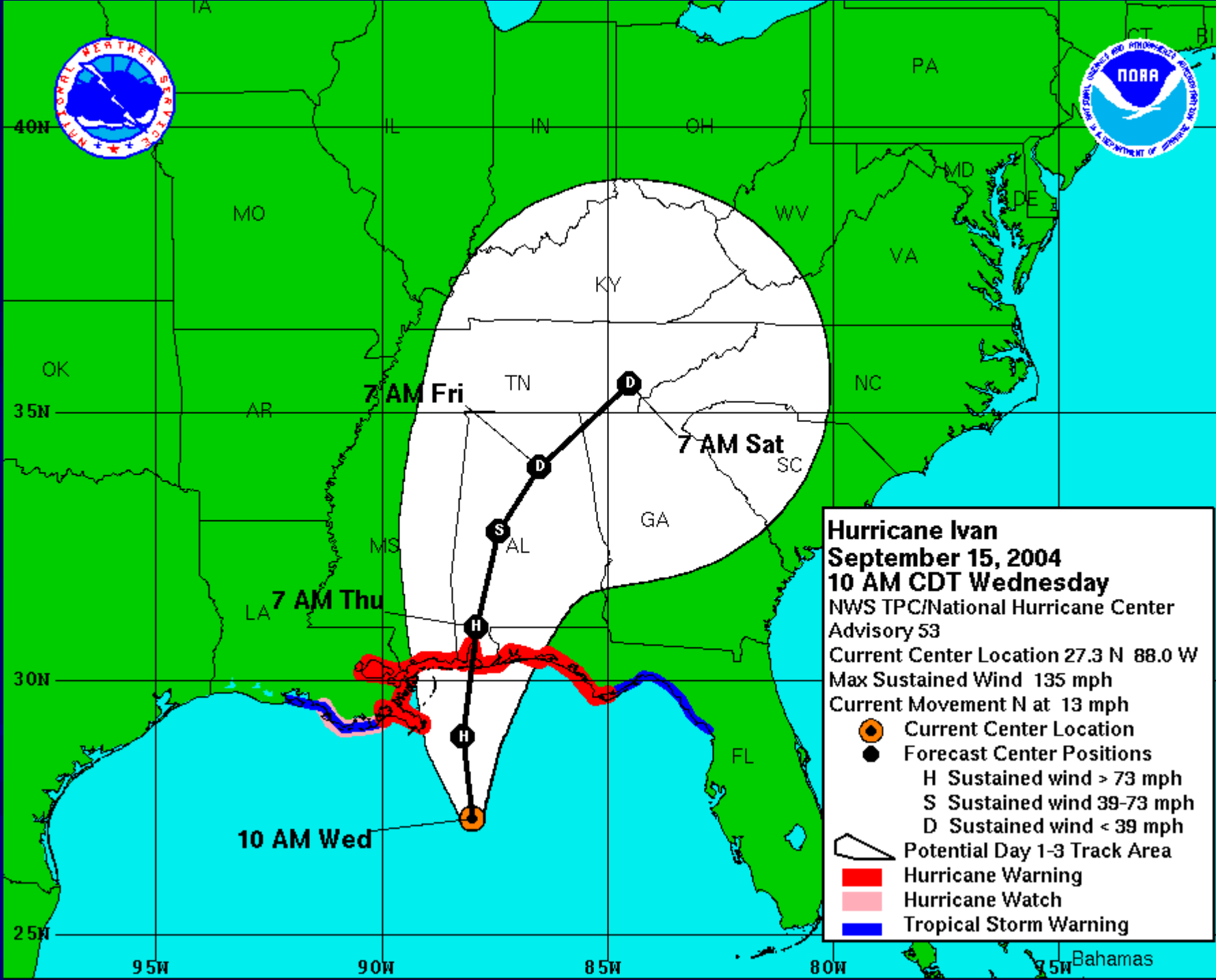








Tropical Storm Arlene June 11 2005



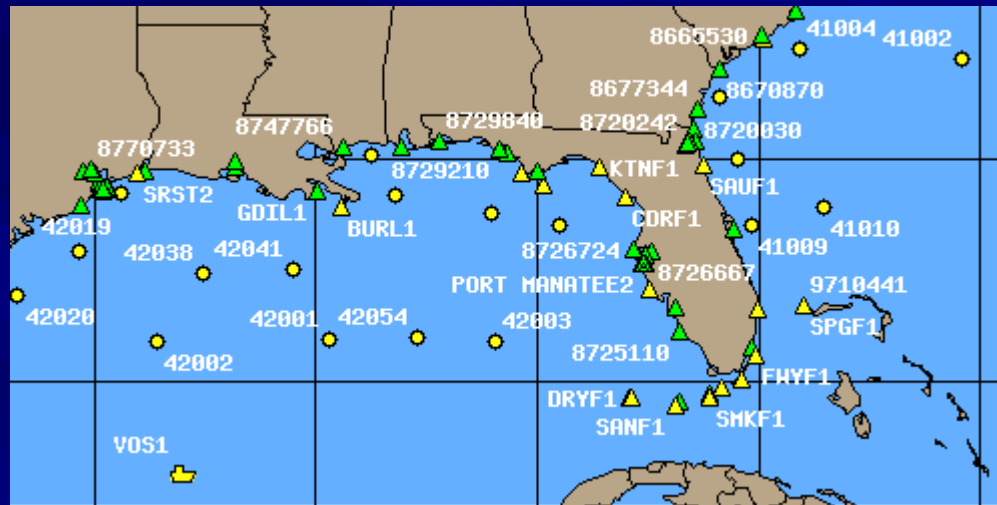
**Hurricane Ivan**  
**September 15, 2004**  
**10 AM CDT Wednesday**  
NWS TPC/National Hurricane Center  
Advisory 53  
Current Center Location 27.3 N 88.0 W  
Max Sustained Wind 135 mph  
Current Movement N at 13 mph

- Current Center Location
- Forecast Center Positions
  - H Sustained wind > 73 mph
  - S Sustained wind 39-73 mph
  - D Sustained wind < 39 mph
- ▭ Potential Day 1-3 Track Area
- ▭ Hurricane Warning
- ▭ Hurricane Watch
- ▭ Tropical Storm Warning

Bahamas

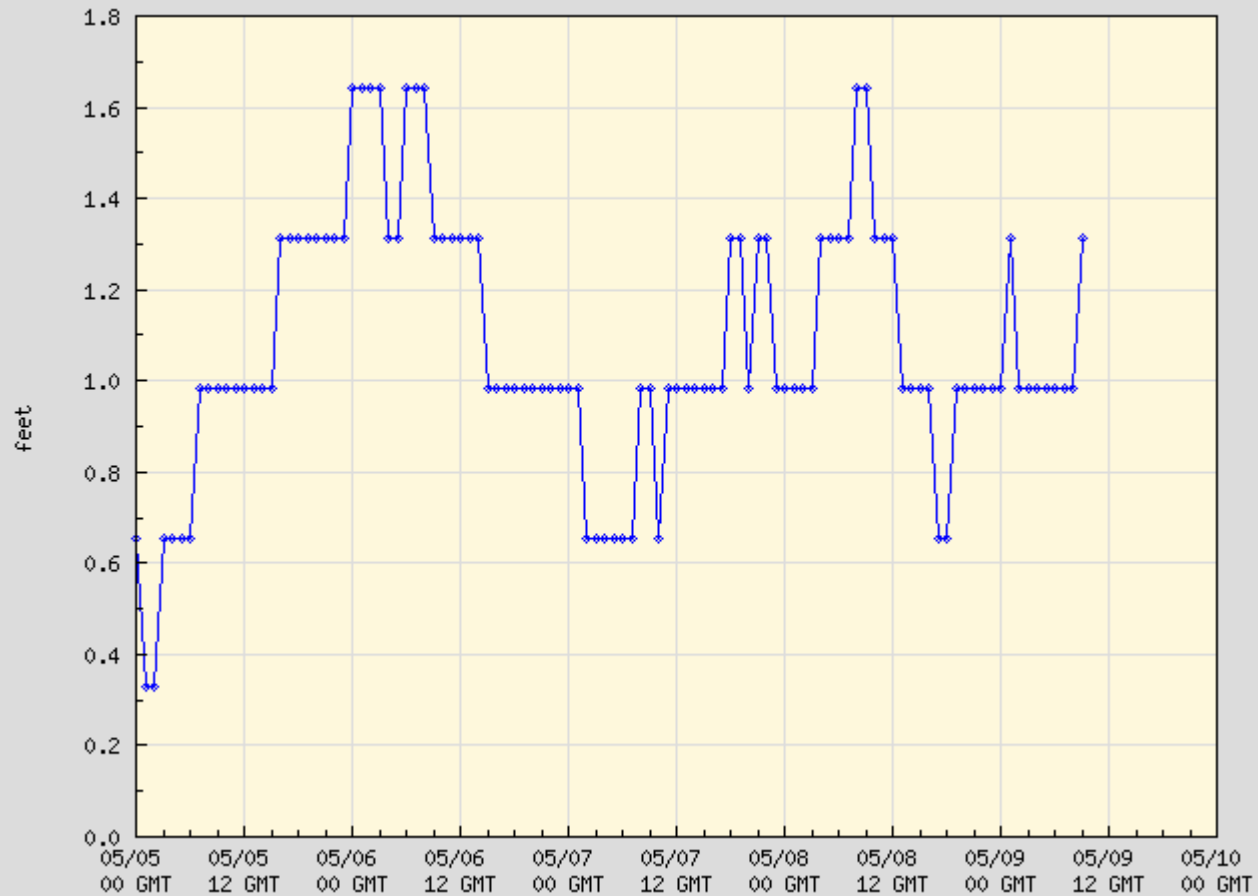




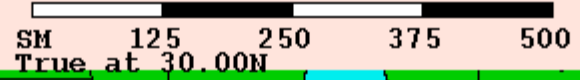




Wind Wave Height at 42036



Approx. Distance Scale ( Statute Miles )



7 AM Tue

7 AM Wed

7 AM Mon

10 AM Sun

**Hurricane Dennis**  
**July 10, 2005**  
**10 AM CDT Sunday**  
 NWS TPC/National Hurricane Center  
 Advisory 25  
 Current Center Location 29.4 N 86.7 W  
 Max Sustained Wind 140 mph  
 Current Movement NNW at 18 mph

- Current Center Location
- Forecast Center Positions
  - H Sustained wind > 73 mph
  - S Sustained wind 39-73 mph
  - D Sustained wind < 39 mph
- Potential Day 1-3 Track Area
- Hurricane Warning
- Tropical Storm Warning























07/12/2005



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# EMERGENCY REPAIRS

- Awarded to C.W. Roberts Contracting, Inc.
- Goal to re-open to traffic A.S.A.P.
- Permanent repair to follow.
- Emergency repairs to be completed in 14 days.
- Repairs completed in 10 days!

# Press Release

- FDOT Awards Contract to Repair U.S. 98 in Franklin County

ChIPLEY- A \$10.8 million contract has been awarded to C. W. Roberts Contracting, Inc. of Hosford, for temporary repairs to U.S. 98 in Franklin County from East Point to Carrabelle. The emergency contract calls for the removal and disposal of the existing damaged roadway, installation of a temporary concrete barrier wall, resetting existing damaged cross drain pipes and striping and paving of the section of roadway. The contractor has 14 work days to complete repairs to the 27-mile stretch with work scheduled to begin today.



07/18/2005



07/18/2005



07/18/2005



CATERPILLAR

07/18/2005



07/18/2005



07/18/2005





07/18/2005



07/18/2005

# Final Product



# REMEMBER:

- Goal to re-open to traffic A.S.A.P.
- Permanent repair to follow.
- Additional issues to address:
- Front Slope and Shoulders.









18 8 2005





18 8 2005



18 8 2005



18 8 2005



18 8 2005



# PHASE II GOALS

- Protect Front Slope
- Prevent Shoulders from washing out

## OPTIONS:

Curb and gutter

Slope protection

# Scope of Services

Work consists of removing existing turf, blade and shape existing shoulders and front slopes, preparation and placement of 2" depth compost, erosion control blanket (jute mat), polyacrylimide powder (QPL# M-0203) to be placed at 50lb/ac as directed by the engineer and Bermuda grass sod.



09/13/2005





SPEED  
LIMIT  
45

09/13/2005



09/29/2005



SPEED  
LIMIT  
45

09/14/2005

GROUND "SOD" STAPLES  
6" X 1" X 6"  
1000 PIECES

PLES



11/23/2005

**7 MONTHS LATER:**

**Still Looking Good !!**





