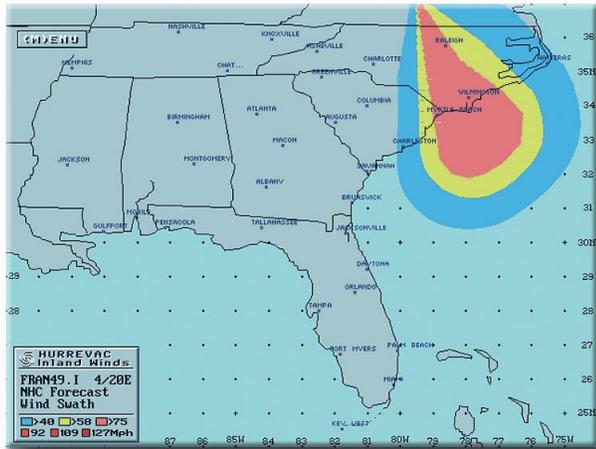


National Hurricane Program

Working for Safer Communities



Inland Wind Studies

FEMA has developed an Inland Wind Model that can be used by local emergency managers to:

- predict types of damage that may result from an inland wind event
- help utilities, schools, churches, the Red Cross, and others prepare for expected damage, and
- support development of standard operating procedures for use during severe storm events.

After Hurricanes Opal and Fran, FEMA conducted studies to:

- evaluate damage resulting from inland winds,
- verify and standardize recorded wind data,
- compare wind information predicted by the FEMA Inland Wind Model with recorded wind data, and
- assess the ability of the model to predict wind speeds accurately and support the pre-storm estimation of expected damage levels.

The work performed for these studies included:

- conducting site visits over a four-state affected area,
- collecting wind speed and wind damage data, and
- comparing the effects of Hurricanes Opal and Fran with those of other inland wind events.

