Estimates of Debris Generated in Hurricane Ivan

Esri

HAZUS MH
EARTHQUAKE · WIND · FLOOD

Final Windfield
9-17-04 11:00 EST

— Current Hurricane Track

→ Previous Advisory Tracks

1 Dot = 2 Tons

• Concrete & Steel Debris

▢ County Boundary

▢ State Boundary

Peak Gust Wind Speeds (mph)

- 0 - 50
- 51 - 65
- 66 - 80
- 81 - 95
- 96 - 110
- 111 - 125

N

0   4   8   16 Miles

Location Map

Map labels: Mobile, Santa Rosa, Escambia, Baldwin
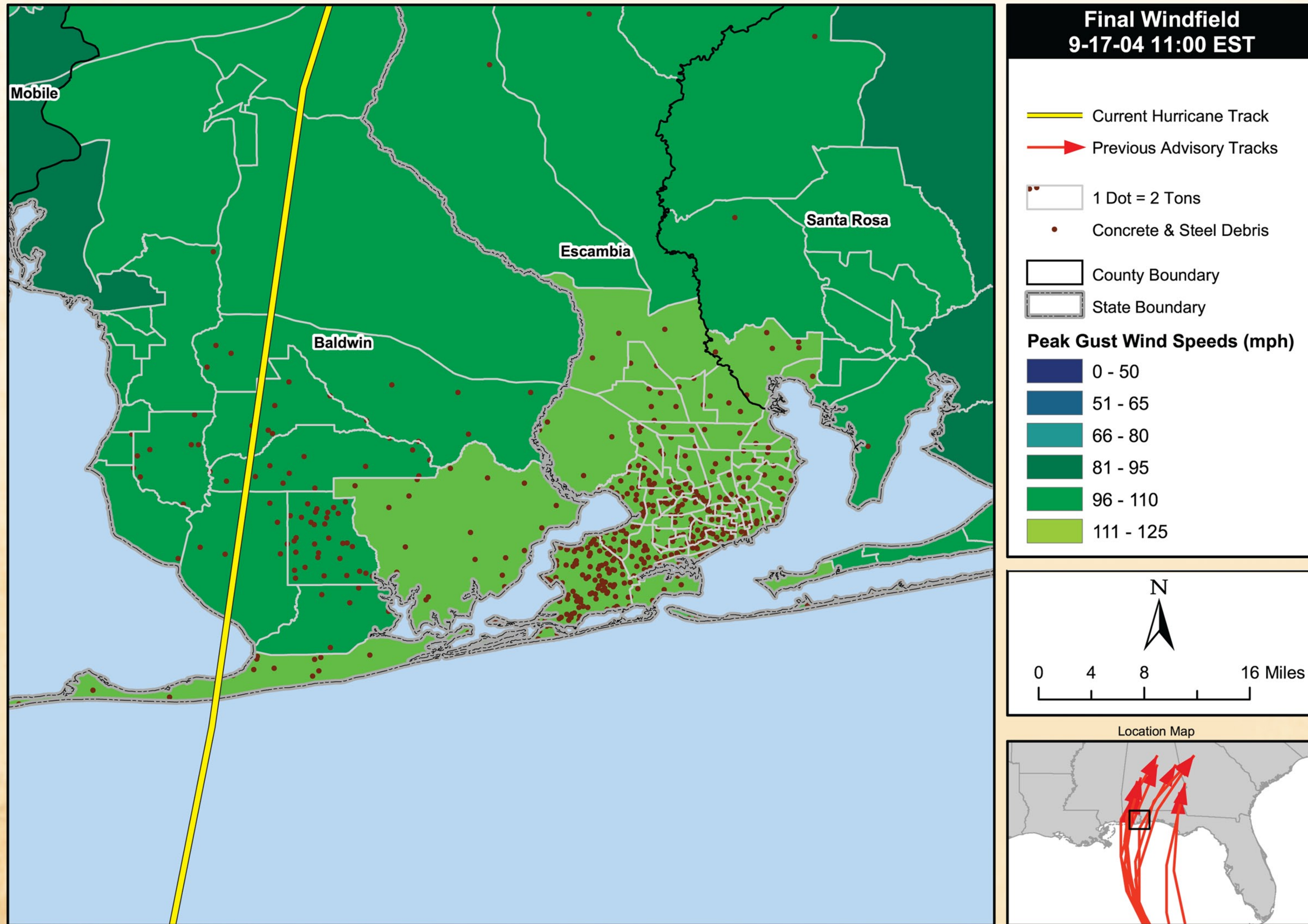
POTENTIAL USES

Pre-Disaster:

■ Use of debris estimates (all categories) from scenario events as input for debris management plans.

■ Identification of areas with high potential concentrations of concrete and steel debris, and incorporation of this analysis into debris clearance and removal strategies.

Post-Disaster:

■ Use of estimates of concrete and steel debris to identify impacted areas that may have urban search and rescue requirements.

■ Use of analysis for debris response, including prioritization of deployment of debris clearance strike teams.

■ Use of analysis for scaling mission requirements for under Emergency Support Function (ESF) #3 under the National Response Plan, and for estimating resource requirements for Public Assistance.
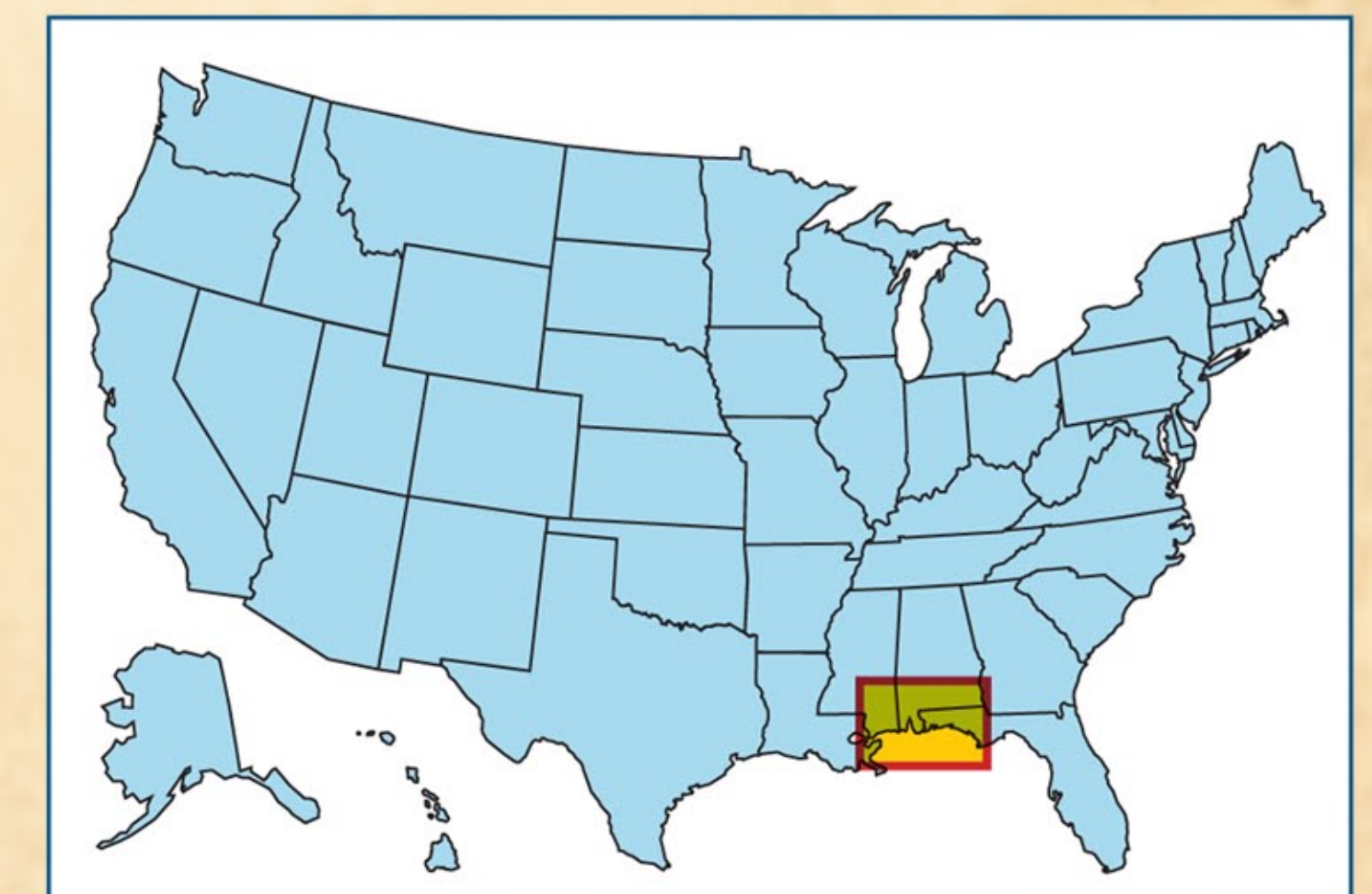
DATA AND ANALYSIS DISPLAYED:

■ Hurricane Ivan track (Final Windfield on 9-17-04).

■ Quantities of steel and concrete debris in Alabama and Florida from Hurricane Ivan.

■ Distribution of debris (dot density).

FEMA
U.S. DEPARTMENT OF HOMELAND SECURITY