



NTSB National Transportation Safety Board

*Office of Railroad, Pipeline &
Hazardous Materials Investigations*

**Collision of a Union Pacific
Railroad Freight Train
with a BNSF Railway
Company Freight Train
Near Macdona, Texas
June 28, 2004**

NTSB Team

- Jim Remines Investigator-In-Charge
- George Cochran Operations
- Ruben Payan Signals/Event Recorders
- Tom Lasseigne Hazardous Materials
- Dr. Eric Sager Human Performance
- Richard Downs Emergency Response
- Russ Quimby Mechanical
- Bob Campbell Track
- Brian Fiffick Disaster Assistance

NTSB Team

- Dr. Gerald Weeks Human Performance
- Frank Zakar Metallurgy
- Lauren Peduzzi Media & Public Affairs
- Jim Wildey Metallurgy
- Bob Trainor Hazardous Materials
- Dr. Alan Kushner Hazardous Materials
- Christy Spangler Graphics
- Robert Moore Writer
- Kathleen Curry Editor

Parties

- Federal Railroad Administration
- Texas Railroad Commission
- Union Pacific Railroad
- BNSF Railway Company
- Brotherhood of Locomotive Engineers and Trainmen
- United Transportation Union

Parties

- Bexar County Emergency Management
- Southwest Volunteer Fire Department
- City of San Antonio Fire Department
- American Railcar Industries
- GE Capital Rail Services
- Occidental Chemical

Accident Site

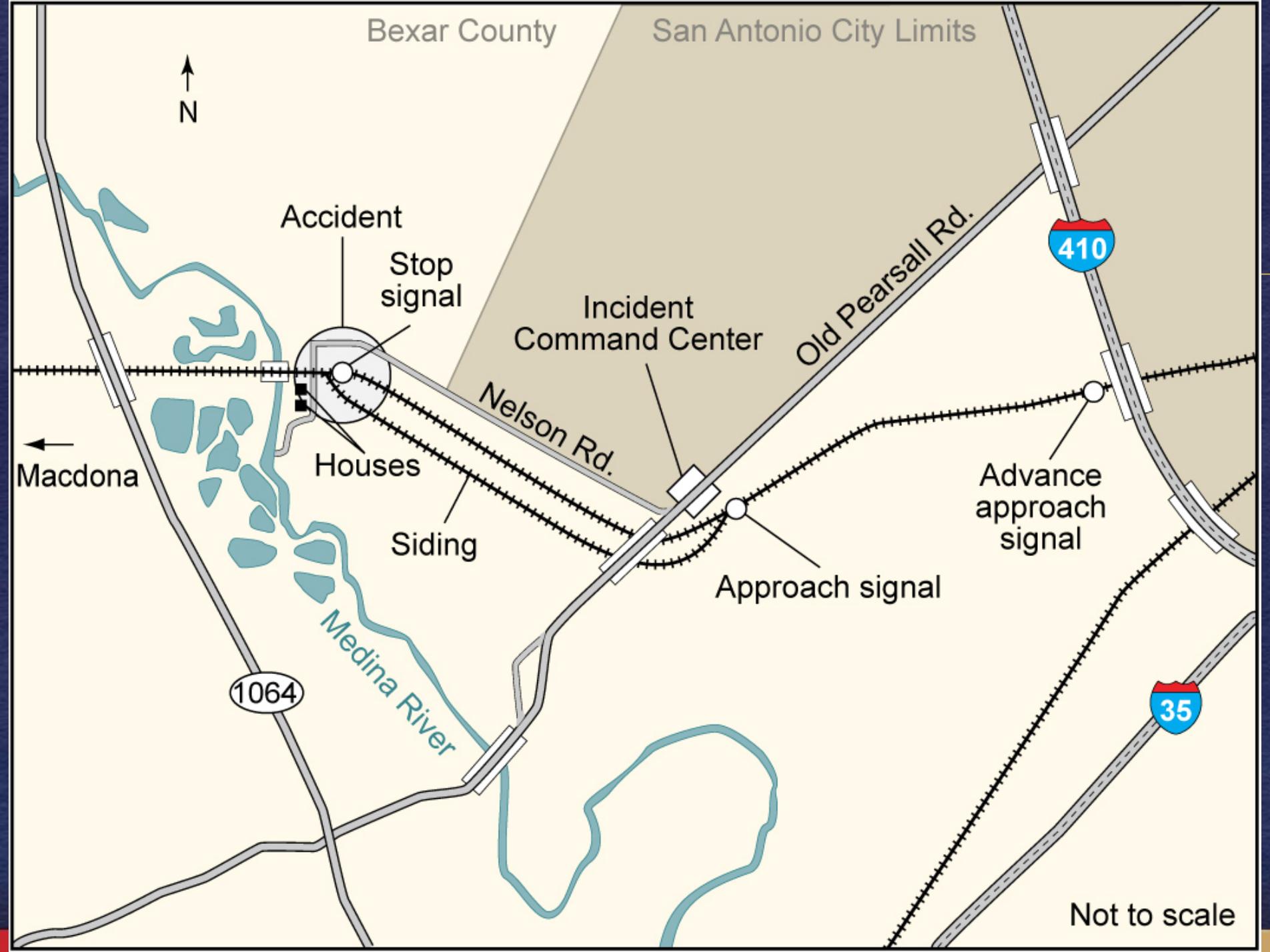


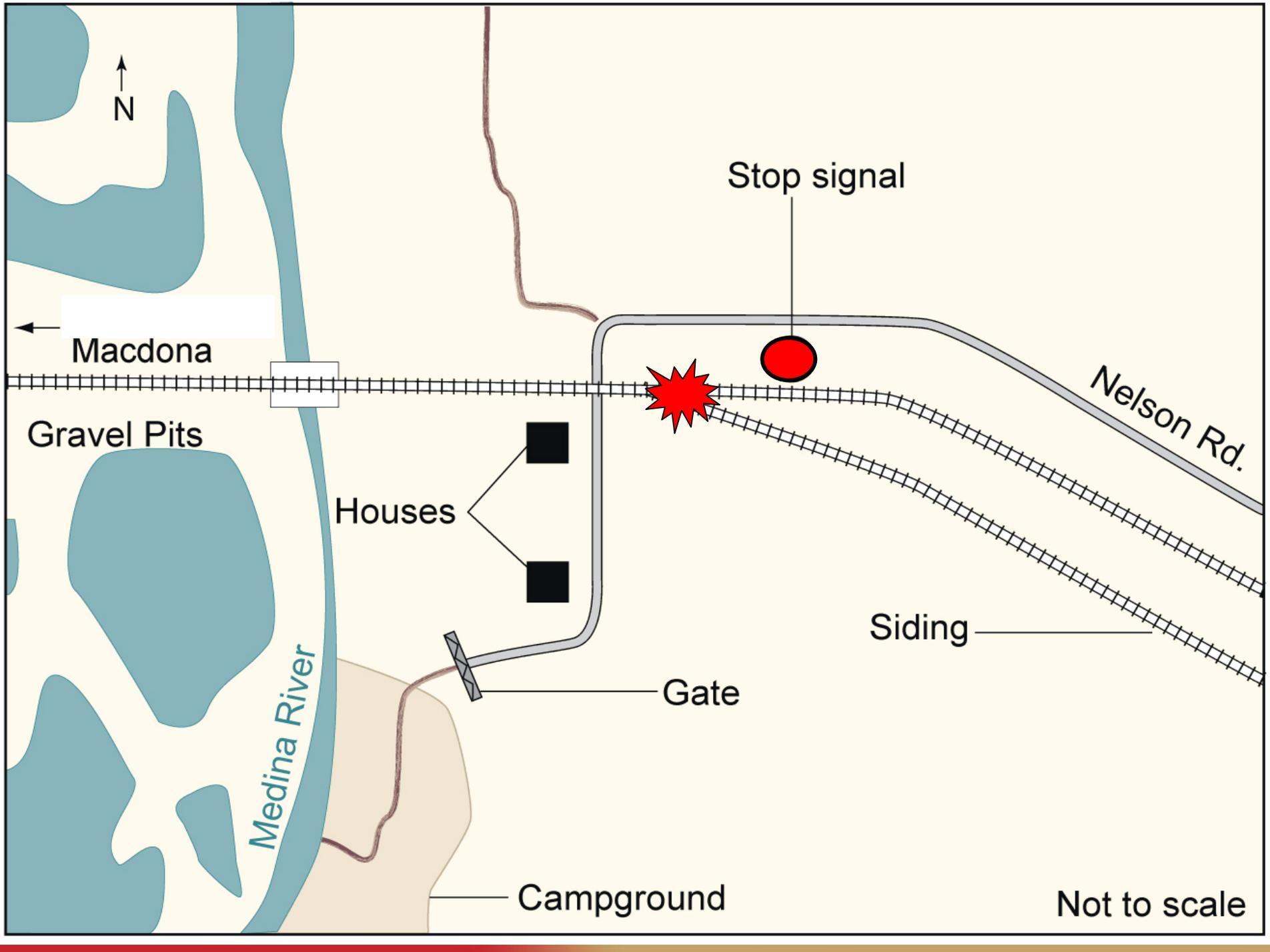
EASTBOUND TRAIN

- BNSF train MEAP-TUL-126D
- 2 Locomotives & 123 empty cars
- Engineer & conductor
- 22 mph

WESTBOUND TRAIN

- UP train MHOTU-23
- 4 locomotives & 74 loaded cars
- Engineer & conductor
- 44 mph







Consequences

- 3 fatalities
- 30 injuries
- 4 locomotive units and 36 cars derailed
- \$5.7 million property damage

Issues Discussed

- Train crew fatigue
- The vulnerability, under certain conditions, of railroad tank cars carrying hazardous materials.



NTSB