

### **Lightning analysis at South Carolina superfund site**

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A case study from this EPA (Environmental Protection Agency) Superfund site and cleanup areas in South Carolina illustrates how remotely sensed lightning strike generated maps and volumes correlate with geology and ground-based EM (Electro-Magnetic) technologies. Lineaments appear related to basement faulting. USGS (United States Geological Survey) electrical conductivity surveys along 3 lines match resistivity cross-sections across these same locations, where the resistivity cross-sections are arbitrary lines matching the location of the USGS surveys from an apparent resistivity volume. This correlation is similar to work done calibrating apparent resistivity traces, lines, and volumes in Southern Louisiana.