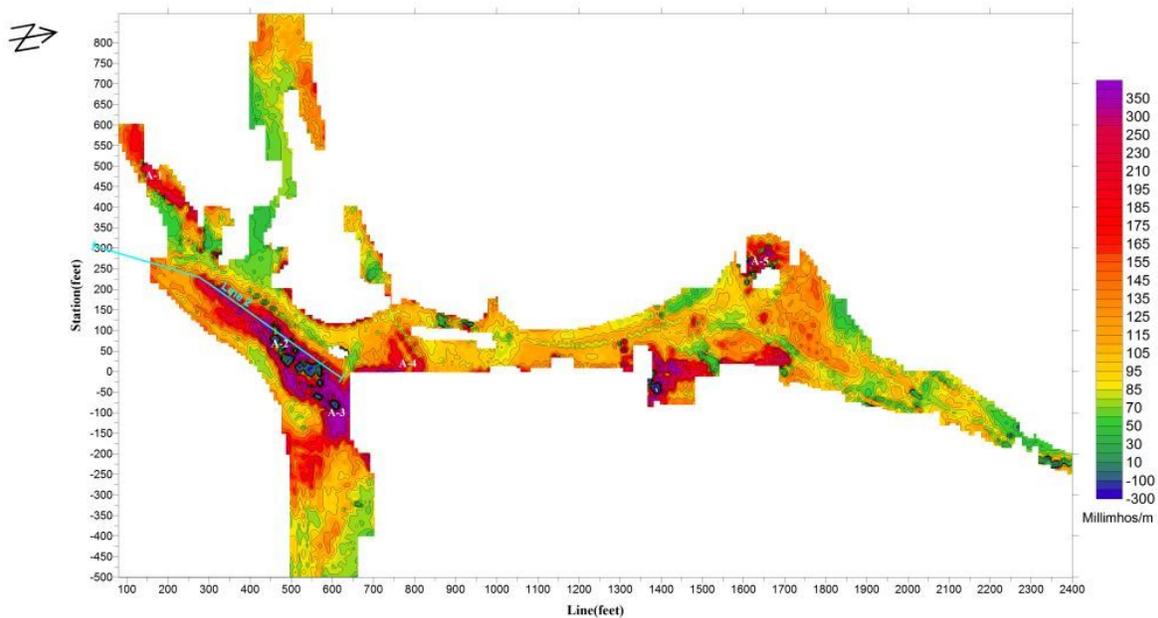


LANDFILL DELINEATION



Landfill Delineation – WESTLEY TIRE FIRE SITE, WESTLEY, CALIFORNIA

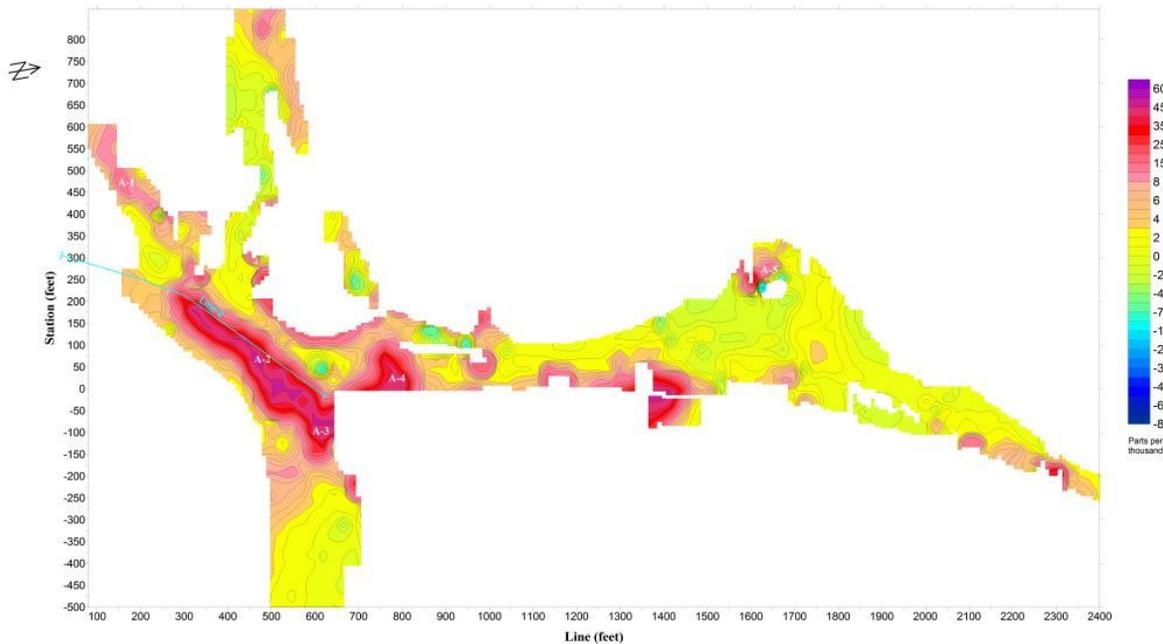
A geophysical investigation was conducted at the Westley Tire Fire site near Westley, California to delineate the lateral and vertical extent of buried tires within a 15-acre area where portions of a “tire landfill” had burned for 30 days.



EM-31 Conductivity Data

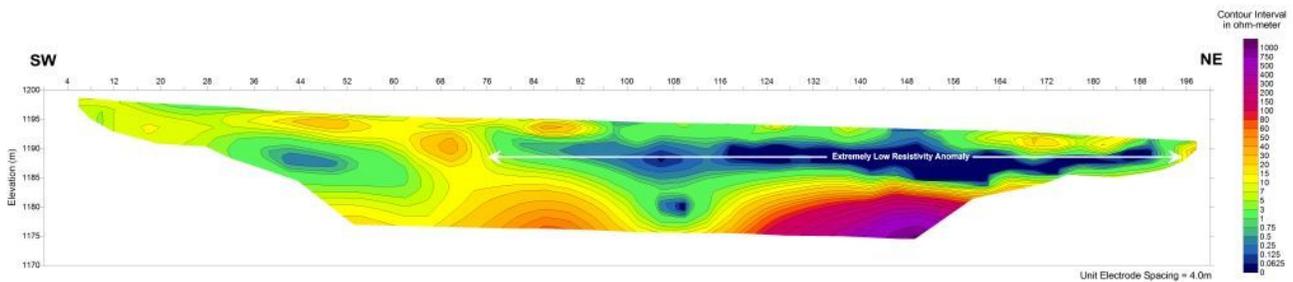
To obtain the lateral extent of buried tires Spectrum collected EM-31 terrain conductivity and in-phase data using 5-foot station spacing along parallel lines spaced 10 feet apart within the area of investigation. A detailed map of surface features, such as roads, utilities and piles of tires, was made within the entire area of investigation so that anomalies from these sources could be identified in the EM-31 data. The conductivity and in-phase component data were contoured and color enhanced in the field using Surfer 7.0® for Windows, and used to identify anomalous areas that could be associated with areas of buried tires, buried burned tires or other buried metallic material. Once several high-conductivity EM-31 anomalies were identified, the depth of these anomalies was investigated along four DC resistivity transects using AGI’s Sting/Swift electrical resistivity system, four-meter cable and arrays of between 28 and 56 electrodes. The electrical resistivity data revealed several shallow extremely low resistivity anomalies which were further investigated by the Client in order to correlate resistivity values with subsurface features.

LANDFILL DELINEATION



EM-31 In-phase Data

Line 2 was approximately 669 feet long. This section represents the best-fit electrical resistivity model interpreted from the data collected along Line 2. The extremely low resistivity (deep blue) anomaly evident between Stations 76 and 192 meters beginning at a depth of 3 meters and extending to 8 to 17 meters below ground surface was interpreted to be associated with buried burned tires at the Site. An excavation made by the Client at Station 84 revealed fill material from 0 to 10 feet, underlain by buried burned tires from 10 to 17 feet.



Portion of Line 2 (Electrical Resistivity)