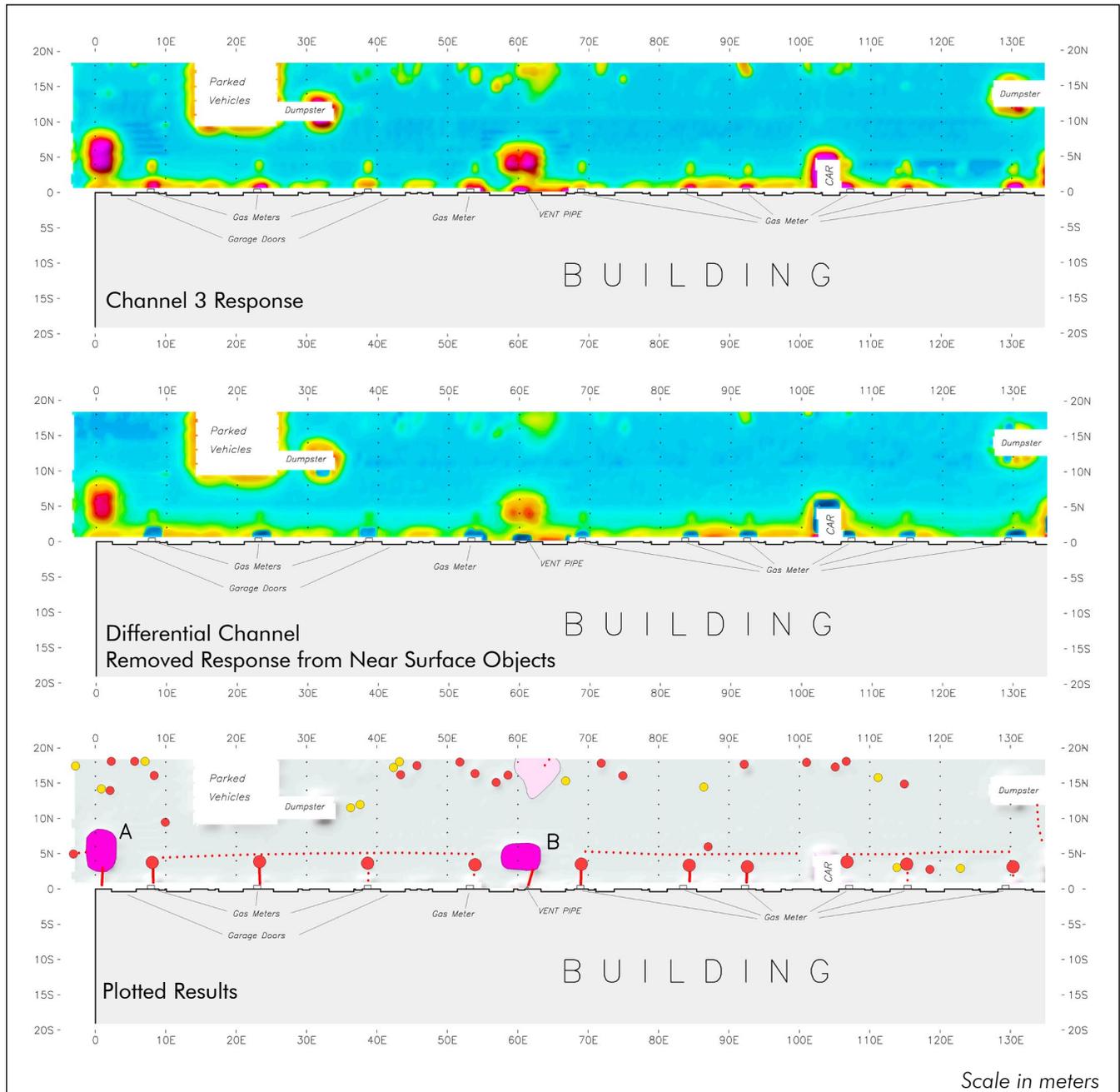


# Buried Underground Storage Tanks (UST) Detection

## Geonics EM61 Case History

A survey was conducted within narrow, less than 20 m driveway along an industrial building. The objective of the study was to locate any possible buried underground storage tanks. The EM61 survey was conducted along survey lines spaced 0.5 meters apart in area adjacent to the building (first 10 m) and 1 m apart in the remaining area. The field portion of the project lasted about 2 hours.



Plotted maps of EM61 response and calculated Differential Response (removed response from near surface objects) clearly show location of two USTs (A and B on the bottom map) despite their proximity to the building wall. It should be noted that in addition to location of targets, the EM61 measurement indicated approximate size, orientation of USTs (S-N for A, and W-E for B) as well as associated piping. Several other smaller metallic objects were located. This survey shows exceptional ability of EM61 to delineate targets in busy industrial environment, close to buildings and other sources of interferences.

**GEONICS LIMITED**

Project performed by Geomar Geophysics Ltd.