

PACIFIC GAS AND ELECTRIC COMPANY
San Bruno Gas Transmission Line Incident
Data Response

PG&E Data Request No.:	NTSB_054-008		
PG&E File Name:	San Bruno GT Line Incident_DR_NTSB_054-008		
Request Date:	March 11, 2011	Requesting Party:	NTSB
Date Sent:	March 31, 2011	Requestor:	Operations (Hersman/Chhatre/ Nicholson)

QUESTION 8

Provide records that show that no outside force on the accident pipe. [See March 2, 2011 Transcript, page 425, lines 16-21.]

ANSWER 8

The TRE Canada Inc. report contains data from an analysis of ground movement in the Earl Avenue and Glenview Drive area (Study Area) using satellite radar data processed with TRE's proprietary SqueeSAR™ technique. This technique uses satellite radar data to measure vertical ground movements over time. Numerous buildings and other man-made structures located throughout the Study Area provided excellent targets for the SqueeSAR™ analysis. Targets were found on structures supported on the fill west of the rupture site; this fill also supports the gas transmission Line-132. No targets were found in the immediate vicinity of the gas transmission line rupture. The radar data used in TRE's analysis covered the time period from May 6, 1992 to August 14, 2010. Analysis of the TRE data indicates that the fill beneath the targets experienced insignificant vertical movement during this period. Because of the dearth of targets in the vicinity of the rupture site, TRE's analysis could not capture localized ground movements in the vicinity of the rupture site that may have occurred as a result of third party activities.