

The council starts the geophysical study of the subsoil in El Confital

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Noticias



The municipality of Las Palmas de Gran Canaria continues the planned work plan to locate the source of the contamination by enterococci that caused the closure of El Confital Beach between April 26 and June 16 last. Ciudad de Mar expects for the next few days this week the results of the first phase of the geophysical study, through electrical tomography, carried out by the company Geophysical Insular Applications in the sand of this beach in the capital. The bathing water of the beach presents levels within the normality.

Electrical resistivity tomography is one of the most non-invasive terrain techniques used to characterize the subsoil. In this case it will be used to verify if the episode, with abnormal rates of these fecal bacteria, originates in some bag of residual water whose contents are dragged to the sea when great tides occur.

The method of electrical tomography consists of the introduction of a direct current, through a set of multiconnectors cables and electrodes in the field to measure the intensity and potential difference. These measurements make it possible to obtain a profile of resistivities along the affected terrain to subsequently discriminate altered zones of flow, moist and hollow zones.

"It is, as we have said from the beginning of the process, to discard hypotheses. It is an action protocol that may seem long but is very necessary. We have to discard to ensure maximum reliability. The geophysical study is one of the stages that we mark. Now it is necessary to analyze the subsoil of El Confital beach, "explained the councilor of Ciudad de Mar, José Eduardo Ramírez.

Island Geophysical Applications carried out this first phase of the study last Thursday, June 29, with three profiles of Electrical Tomography in three distinct areas of the beach in an extension of 275, 260 and 230 linear meters.

In red, zones of profiles of resistivities realized in El Confital

The second phase of this geophysical study will depend on the results derived from the electrical tomography. "If necessary we will assess the possibility of using a geo-radar in order to locate the possible existence of some driving that may be pouring in the area," said the councilor of Ciudad de Mar.

The municipal technicians continue to monitor the area with weekly analyzes of samples of bathing water, controls in the nearby sanitation network, closure of several pipelines of disused pipes and underwater dives by a specialist - PhD in Marine Sciences.

The beach of El Confital maintains the yellow flag, habitual in this zone due to the conditions of the bottom of stones in the border while the Red Cross began the Saturday 1st of July the seasonal service, with rescuers every day of the week until The next 30 of September.