

Tellus Geochemical Survey: On the Ground



Roinn Cumarsáide, Gníomhaithe
ar son na hAeráide & Comhshaoil
Department of Communications,
Climate Action & Environment



Geological Survey
Suirbhéireacht Gheolaíochta
Ireland | Éireann
Tellus Programme | www.tellus.ie

As part of the Geological Survey Ireland's Tellus mapping programme, a team of samplers gather soil and stream samples across Ireland. For more information on Tellus visit www.tellus.ie

The Tellus geochemical ground survey

involves the collection of two types of sample:

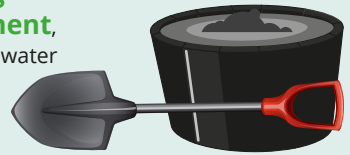
Soil Samples

are taken at each site with a hand-held core auger at **20 cm** and at **50 cm** depths



Stream Sampling

involves **sieving stream sediment**, collecting stream water and panning for minerals

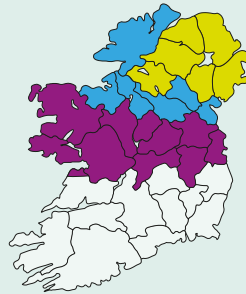


The Tellus Team

has visited **16,000** different sites across Ireland by the end of 2017 covering

2.5 million hectares

2,613,800 hectares have been surveyed so far



-  **Tellus Northern Ireland** (completed 2008)
-  **Tellus Border** (completed 2013)
-  **Tellus in Progress**



Samples are analysed for over

55 chemical elements and compounds



Teams will visit **40,000 sample sites** across Ireland



Geochemical Data

from the Tellus Survey can highlight areas of trace element deficiencies or excesses which can support

animal health and **crop production management**



Over 20 tonnes

of soil samples collected and analysed. That's enough to fill

252 wheel barrows



Gold In Them Thar Hills!

The Tellus Survey has identified new gold and precious metal anomalies in stream sediment, and attracted interest and investment from **mineral exploration companies.**

