

Table of Contents:

Prelim

DOI:10.3318/978-1-908996-88-6.prelims

Chapter 1

The Tellus geosciences surveys of the north of Ireland: context, delivery and impacts

DOI:10.3318/978-1-908996-88-6.ch1

Chapter 2

The Tellus airborne geophysical surveys and results

DOI:10.3318/978-1-908996-88-6.ch2

Chapter 3

The Tellus geochemical surveys, results and applications

DOI:10.3318/978-1-908996-88-6.ch3

Chapter 4

Stakeholder engagement for regional geoscientific surveying: the Tellus Border communications campaign

DOI:10.3318/978-1-908996-88-6.ch4

Chapter 5

Mineral resources and Tellus: the essential balance

DOI:10.3318/978-1-908996-88-6.ch5

Chapter 6

Gold exploration in the north of Ireland: new targets from the Tellus Projects

DOI:10.3318/978-1-908996-88-6.ch6

Chapter 7

Using soil geochemistry to investigate gold and base metal distribution and dispersal in the glaciated north of Ireland

DOI:10.3318/978-1-908996-88-6.ch7

Chapter 8

Critical metals for hightechnology applications: mineral exploration potential in the north of Ireland

DOI:10.3318/978-1-908996-88-6.ch8

Chapter 9

A natural laboratory for critical metals investigations in the Mourne Mountains granites

DOI:10.3318/978-1-908996-88-6.ch9

Chapter 10

Geothermal potential of granitic rocks of the Mourne Mountains

DOI:10.3318/978-1-908996-88-6.ch10

Chapter 11

Shape and intrusion history of the Late Caledonian Newry Igneous Complex, Northern Ireland

DOI:10.3318/978-1-908996-88-6.ch11

Chapter 12

Using Tellus data to enhance targeting of volcanogenic massive sulphide mineralisation in the Tyrone Igneous Complex

DOI:10.3318/978-1-908996-88-6.ch12

Chapter 13

The geological significance of electrical conductivity anomalies of the Ordovician- Silurian Moffat Shale Group, Northern Ireland

DOI:10.3318/978-1-908996-88-6.ch13

Chapter 14

Faults, intrusions and flood basalts: the Cenozoic structure of the north of Ireland

DOI:10.3318/978-1-908996-88-6.ch14

Chapter 15

Information for agriculture from regional geochemical surveys: the example of soil pH in the Tellus and Tellus Border data

DOI:10.3318/978-1-908996-88-6.ch15

Chapter 16

An ecohydrological investigation of wetlands in the border counties of Ireland: a framework for a holistic understanding of wetland systems

DOI:10.3318/978-1-908996-88-6.ch16

Chapter 17

Assessing nutrient enrichment risk to groundwater-dependent ecosystems in the border counties of Ireland
DOI:10.3318/978-1-908996-88-6.ch17

Chapter 18

Mapping the terrestrial gamma radiation dose
DOI:10.3318/978-1-908996-88-6.ch18

Chapter 19

Soils and their radiometric characteristics
DOI:10.3318/978-1-908996-88-6.ch19

Chapter 20

Modelling in-house radon potential using Tellus data and geology to supplement inhouse radon measurements
DOI:10.3318/978-1-908996-88-6.ch20

Chapter 21

Determining geochemical threshold values from the Tellus data sets: the examples of zinc and iodine|
DOI:10.3318/978-1-908996-88-6.ch21

Chapter 22

Identification of the geochemical signatures of diffuse pollution in the Tellus Border soil data set, using source apportionment
DOI:10.3318/978-1-908996-88-6.ch22

Chapter 23

Stream sediment background concentrations in mineralised catchments in Northern Ireland: assessment of 'pressures' on water bodies in fulfilment of Water Framework Directive objectives
DOI:10.3318/978-1-908996-88-6.ch23

Chapter 24

Mapping metallic contamination of soils in the Lower Foyle catchment
DOI:10.3318/978-1-908996-88-6.ch24

Chapter 25

Refining the human health risk assessment process in Northern Ireland through the use of oral bioaccessibility data
DOI:10.3318/978-1-908996-88-6.ch25

Chapter 26

Combining environmental and medical data sets to explore potential associations between environmental factors and health: policy implications for human health risk assessments
DOI:10.3318/978-1-908996-88-6.ch26

Chapter 27

Mapping a waste disposal site using Tellus airborne geophysical data
DOI:10.3318/978-1-908996-88-6.ch27

Chapter 28

The use of aero-magnetics to enhance a numerical groundwater model of the Lagan Valley aquifer, Northern Ireland
DOI:10.3318/978-1-908996-88-6.ch28

Chapter 29

Carbon sequestration in the soils of Northern Ireland: potential based on mineralogical controls
DOI:10.3318/978-1-908996-88-6.ch29

Chapter 30

Spatial distribution of soil geochemistry in geoforensics
DOI:10.3318/978-1-908996-88-6.ch30

End matter

DOI:10.3318/978-1-908996-88-6.endmatter