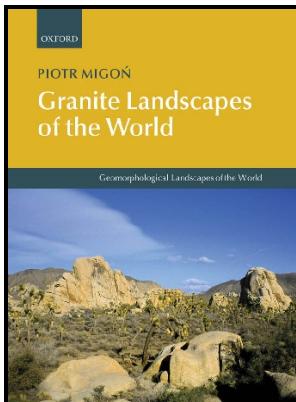


# Granite and associated rocks of the western Mourne mountains.

## -- Western Mournes and Kilfeaghan Upper ASSI



Description: -

-granite and associated rocks of the western Mourne mountains.

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Notes: Thesis (M. Sc.)--The Queen's University of Belfast, 1953.

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### The Mourne Wall

The Pleistocene glaciation, some ten thousand years ago, was responsible for many of the characteristic features of the Northern Irish landscape. There is opposition, as the wind farm would be in an and would impact wildlife and habitats.

### Geological Society

If enough partial melt is produced, it will separate from the source rock, become more highly evolved through fractional crystallization during its ascent toward the surface, and become the magmatic parent of granitic rock. For example, the Southern Slieve Muck, Thomas Mountain, and Slievenamiskan localities do not correlate with the rotated regional fracture sets, which should be the case if the Mourne granites were emplaced as laccoliths. Granitic Dikes In total, 243 granitic dikes that range from decimeter to millimeter in thickness were measured in the host rock to the Mourne granites.

### The Mourne Wall

**CONCLUSIONS** In this study, we investigated the host-rock deformation related to the emplacement of the Paleogene Mourne granites by using the fracture pattern in the host rock.

### A natural laboratory for critical metals investigations in the Mourne Mountains granites from Unearthed: Impacts of the Tellus surveys of the north of Ireland on JSTOR

Introduction: The Mourne Mountains have long been known to geologists, mineralogists and collectors for the rare minerals which can be found in the drusy cavities of the granite. Additionally, several moderately inclined magmatic sheets that dip toward the Mourne granite pluton are exposed in the surrounding graywacke.

### The Natural History of Northern Ireland

The wall of the cavity is of coarser-grain size than the host granite, a pegmatitic phase, and the common minerals of the granite pegmatite have grown into the cavity.

### **Mourne Mountains**

Along with Silent Valley Reservoir, which is situated further down the Kilkeel River valley, it supplies water for County Down, surrounding counties and most of Belfast. G1 is the oldest granite, and G5 is the youngest. A better understanding of the mechanisms of granitic magma emplacement can, for example, help decipher the relationship between magma movement in the shallow crust and ground deformation at active volcanoes.

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