

Kimberlite Terminology And Classification

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Kimberlites: Descriptive Geological Nomenclature and ...

Kimberlite is an igneous rock, which sometimes contains diamonds. It is named after the town of Kimberley in South Africa, where the discovery of an 83.5-carat (16.70 g) diamond called the Star of South Africa in 1869 spawned a diamond rush and the digging of the open-pit mine called the Big Hole. Previously, the term kimberlite has been applied to olivine lamproites as Kimberlite II, however ...

Geology and resource development of the Kelvin kimberlite ...

EMW, Robey JvA (2013) Kimberlite Terminology and Classification. Proceedings of 10th International Kimberlite Conference, Volume Two, Special Issue of the Journal of the Geological Society of India, Volume 2, 1-17. Springer India.

Kimberlite Terminology And Classification

A rationalisation of kimberlite terminology and classification is presented in a practical, systematic framework or scheme. ... Stage 3a is the broad textural-genetic classification into coherent ...

Kimberlite Terminology and Classification | SpringerLink

Kimberlite Terminology and Classification 3. different. Further description of the body or rock depends upon this initial facies assignment (e.g. coherent vs. volca-

CLASSIFICATION OF LAMPROPHYRES, LAMPROITES, KIMBERLITES ...

EMW, Robey JV (2013) Kimberlite terminology and classification. Proceedings of the 10th International Kimberlite Conference. Special Issue J Geol Soc India, 2:1-17. Springer India. Webb KJ (2006) Juvenile clasts in kimberlites: standardized comprehensive description towards unraveling emplacement mechanisms.

The Liqhobong kimberlite cluster: an update on the geology ...

Severe weathering or metasomatism may, however, make reliable mineralogical classification impossible. Modal analyses of twelve southern African

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kimberlites are presented to demonstrate the practical application of the proposed classification and to illustrate the wide mineralogical range exhibited by kimberlites.

Kimberlites - from Mantle to Mine

Kimberley is a contributing author of several NI 43-101 technical reports on kimberlites and has presented various short course and conference presentations on kimberlite geology and evaluation. She recently coauthored a kimberlite terminology and classification scheme and Glossary of Kimberlite and Related Terms.

Kimberlites: Descriptive Geological Nomenclature and ...

A practical guide to terminology for kimberlite facies: A systematic progression from descriptive to genetic, including a pocket guide ... involving a systematic progression from descriptive to genetic. The scheme can be used for both coherent kimberlite (i.e. kimberlite that was emplaced without undergoing any fragmentation processes and ...

Kimberlite Terminology and Classification

Kimberlites: descriptive geological nomenclature and classification. 9th International Kimberlite Conference, Frankfurt, Germany. Long Abstract and Proceedings Volume, respectively.

Kimberlite - Wikipedia

Commonly highly serpentized and porphyritic, it occurs in vertical pipes, dikes, and sills. It is the principal primary host for diamonds, but only a small percentage of the known kimberlite occurrences are diamondiferous. There are over 6,500 known occurrences of kimberlite.

Lamprophyre - Wikipedia

Scott Smith BH, Nowicki TE, Russell JK, Webb KJ, Mitchell RH, Hetman CM, Harder M, Skinner EMW, Robey JVA (2013) Kimberlite terminology and classification. In: Pearson DG, Grütter HS, Harris JW, Kjarsgaard BA, O'Brien H, Chalapathi Rao NV, Sparks S (eds) Proceedings of 10th international Kimberlite Conference, Volume 2.

(PDF) Kimberlite Terminology and Classification

A rationalisation of kimberlite terminology and classification is presented in a practical, systematic framework or scheme. The scheme has five stages and is based on progressively increasing levels of interpretation building upon a series of descriptors that are applied independently of, and prior to, genetic classifications.

Letšeng Diamond Mine, Lesotho: A Variant of Kimberley-type ...

Read "A new approach to kimberlite facies terminology using a revised general approach to the nomenclature of all volcanic rocks and deposits: Descriptive to genetic, Journal of Volcanology and Geothermal Research" on DeepDyve, the largest online rental service for scholarly research with thousands of academic publications available at your fingertips.

Kimberlite Specialist Joins SRK

Evaluation in Support of Resource Classification A 3-D geological model of Kelvin was developed from detailed drill core logging and petrography data. The geological model provides constraints on the volume of kimberlite present, and in combination with a spatial (block) model of bulk density, provides estimates of the tonnes of kimberlite present.

Mineralogical Classification of Southern African Kimberlites

kimberlite terminology provides the words (Scott Smith et al. 2013, 2017). The resulting evidence is summarised here to provide a basis for improving our understanding of kimberlites, from the mantle to a mine, and to enhance the application of the results to diamond mining and research. Kimberlite

A practical guide to terminology for kimberlite facies: A ...

Kimberlite geology can be confusing for a number of reasons, (see Cas et al., 2008-this issue, for an over-view), as can kimberlite terminology, which has in part evolved down its own path, using terms not commonplace in mainstream physical volcanology. Diamond producers now realise that applying modern physical volcanological principles and ...

Kimberlite: Mineral information, data and localities.

In this contribution, we outline a scheme for kimberlite nomenclature and classification. In contrast to the approach of Cas et al. (2008), which focuses on volcanic terminology and how it can and should be applied to kimberlite, the scheme proposed here is founded on several decades of applied kimberlite

A new approach to kimberlite facies terminology using a ...

New definitions of the above are given, variously in mineralogical and geochemical terms, and a revised sequence for the systematic classification of the rocks is provided which integrates with the existing IUGS hierarchical system. Keywords: lamprophyre, lamproite, kimberlite, kalsilitic rocks, melilitic rocks, leucitic rocks, classification ...

Magmaclasts in Kimberlite - 11ikc.com

Classification schemes which include genetic information, may be required to properly describe lamprophyres. Genesis. Rock considered lamprophyres are part of a "clan" of rocks, with similar mineralogy, textures and genesis. Lamprophyres are similar to lamproites and kimberlites. While modern concepts see orangeites, lamproites and kimberlites ...