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Evan Smith *Closure of Australia's only
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**Constructing the Diavik Diamond Mine
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Diamond Mines - Mike de Wit Part 1

Determining Diamond Country of Origin |

GIA Diamond Origin *Diamonds North:*

Exploring for Large-Scale Gold Deposits

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*And History Of Discovery
in Nunavut Karelian Diamond Resources
focused on bringing its flagship Lahtojoki
deposit into production Diamond Deposits
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Based on ancient bedrock, diamond
exploration began in 1972, with a
kimberlite pipe discovery coming in 1976
in the Ellendale area. In 1979, a large

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Iamproite pipe was found and named the Argyle mine; by 1992 over 200 million carats had been mined there. Only 5% of the production is gem quality.

DIAMOND DEPOSITS - Earth Science

Written for geologists and diamond prospectors, this guidebook provides a

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general overview of diamond exploration
and exploitation. The text covers how to
find, recognize, and evaluate the...

*Diamond Deposits: Origin, Exploration,
and History of ...*

Edition Description Erlich and Hausel are
two of the leading diamond geologists in

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the world - Dr. Erlich brings his expertise from the former Soviet Union and Professor Hausel his knowledge of diamond deposits in North America and Australia.

*Diamond Deposits (September 2002
edition) | Open Library*

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diamond deposits origin exploration and history of discovery edward erlich w dan hausel written for geologists and diamond prospectors this guidebook provides a general overview of diamond exploration and exploitation the text covers how to find recognize and evaluate the potential the material found in diamond deposits

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Diamond Deposits: Origin, Exploration & History of Discovery. Written for geologists and diamond prospectors, this guidebook provides a general overview of

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Diamond Deposits: Origin, Exploration & History of Discovery

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By Harold Robbins Ltd TEXT ID

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history the first volcanic pipe found in the
lac de gras region

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Diamond Deposits Origin Exploration And History Of...

The text covers how to find, recognize, and evaluate the potential of diamond deposits. The book offers examples of these processes by reviewing the history of important diamond discoveries in the western United States and Russia.

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Diamond Deposits primarily focuses on the geology of common diamond host rocks, including kimberlite and lamproite. It also reviews the occurrence of some unconventional host rocks that have produced notable diamond discoveries.

Diamond Deposits: Origin, Exploration,
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Details about ? Diamond Deposits: Origin,
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Exploration diamond drilling is used in the mining industry to probe the contents of known ore deposits and potential sites. By withdrawing a small diameter core of rock

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And the orebody, geologists can analyse the core by chemical assay and conduct petrologic, structural and mineralogical studies of the rock.

Exploration diamond drilling - Wikipedia
diamond deposits origin exploration and
history of discovery Aug 29, 2020 Posted

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By Alistair MacLean Publishing TEXT ID
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Get this from a library! Diamond Deposits : Origin, Exploration, and History of Discovery.. [Edward I Erlich; W Dan Hausel] -- Written for geologists and diamond prospectors, this guidebook provides a general overview of diamond

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exploration and exploitation. The text covers how to find, recognize, and evaluate the potential ...

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In some of the planet's most remote locations, under extreme environments, our exploration teams are constantly on the lookout for evidence of kimberlite, the rock in which diamonds are found. From the biting Arctic winds in Canada, to the depths of the oceans in Namibia to the

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And History Of Discovery
deserts of Botswana, they deploy their expertise to uncover the earth's most precious stones.

Exploration – De Beers Group

Organised mining began in the 1920s with bauxite first being recorded in 1920 along the Falaba to Waia road. Diamonds were

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found in the early 1930s, from 1934 to 1956 the Sierra Leone Selection Trust (SLST) held the monopoly for mining, prospecting for and marketing diamonds throughout Sierra Leone.

Mining in Sierra Leone - Wikipedia

Galileo Mining Ltd has accelerated

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exploration activities over the September
quarter, completing a diamond drilling
campaign, an RC drilling campaign and
electromagnetic surveys at its Fraser ...

Written for geologists and diamond

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prospectors, this guidebook provides a general overview of diamond exploration and exploitation. The text covers how to find, recognize, and evaluate the potential of diamond deposits. As examples, the book reviews the history of some important diamond discoveries in Russia and the western United States. Much of

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the book is focused on geology of common diamond host rocks, including kimberlite and lamproite. In addition, it reviews the occurrence of some of the more unconventional host rocks that have produced some notable diamond discoveries. The material found in diamond deposits provides a foundation

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for discussing some of the most fundamental problems of theoretical geology, such as the timing of geological events and the development of cratonic areas. The authors are both experienced geologists who bring years of field experience to their writing. This resource provides a comprehensive look at the

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geology of diamonds, including historical data, crystal structure, and methods of exploration.

The diamond is the hardest natural substance known. It is found in a type of igneous rock known as kimberlite. The diamond itself is essentially a chain of

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carbon atoms that have crystallized. The stone's unique hardness is a result of the densely concentrated nature of the carbon chains. Like other igneous rocks, kimberlite was formed over the course of thousands of years by volcanic action that occurred during the formation of the earth's crust. It is thought that diamonds

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were first discovered in India about 6,000 years ago in the riverbeds of the region.

India was the only known source of the rocks for over a thousand years, until they were unearthed in Borneo around A.D.

600. During the Middle Ages, the diamond was overshadowed by some of the more colorful gems like the ruby and emerald.

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In the 18th century, diamond deposits were discovered in Brazil in small quantities, and later in Australia, Russia, and the United States. Block caving is the most commonly used method in excavating diamonds from kimberlite deposits. This method offers the highest yield and thus is the most cost effective. In

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the crushing operation, which occurs in the below-ground mining facilities, large chunks of kimberlite are broken up into more easily transportable segments.

Diamonds will continue to be used in industry and hightechnology enterprises, but synthetically produced facsimiles--first manufactured in 1953--may accomplish

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Some of the tasks originally the exclusive province of the real stone. These "manufactured" gems have the same properties of hardness and durability, and while they will never be as popular as the real diamond for adornment purposes, they are well suited for industrial applications. This book provides

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comprehensive overview on origin, exploration, and history of diamond.

The latest knowledge on mineral ore genesis and the exploration of ore deposits
Global demand for metals has risen considerably over the past decade.
Geologists are developing new approaches

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for studying ore deposits and discovering new sources. Ore Deposits: Origin, Exploration, and Exploitation is a compilation of diverse case studies on new prospects in ore deposit geology including atypical examples of mineral deposits and new methods for ore exploration. Volume highlights include: Presentation of the

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latest research on a range of ore deposit types Application of ore deposits to multiple areas of geology and geophysical exploration Emphasis on diverse methods and tools for the study of ore deposits Useful case studies for geologists in both academia and industry Ore Deposits: Origin, Exploration, and Exploitation is a

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valuable resource for economic geologists, mineralogists, petrologists, geochemists, mining engineers, research professionals, and advanced students in relevant areas of academic study.

International Kimberlite Conferences (IKCs) are special events that are held

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And History Of Discovery.

IKC is the confluence platform for academicians, scientists and industrial personnel concerned with diamond exploration and exploitation, petrology, geochemistry, geochronology, geophysics and origin of the primary diamond host rocks and their entrained xenoliths and

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xenocrysts (including diamond) to get together and deliberate on new advances in research made in the intervening years. Ever since the organization of first IKC in 1973 and its tremendous success, the entire geological world eagerly look forward to subsequent such conferences with great enthusiasm and excitement. The

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scientific emanations from IKCs continue to make significant impact on our understanding of the composition, nature and evolution of the planet we live on. The previous conferences were held at Cape Town (1973), Santa Fe, New Mexico (1977), Clermont-Ferrand, France, (1982). Perth, Western Australia (1987), Araxa,

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Brazil (1991), Novosibirsk, Russia (1995),
Cape Town (1998), Victoria, Canada
(2003) and Frankfurt, Germany (2008).

The tenth IKC was held at Bangalore,
India between 5th and 11th February
2012. The conference was organized by
the Geological Society of India in
association with the government

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organizations, academic institutions and Indian diamond mining companies. About 300 delegates from 36 countries attended the conference and 224 papers were presented. The papers include 78 oral presentations and 146 poster presentations on following topics: Kimberlite geology, origin, evolution and emplacement of

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kimberlites and related rocks, petrology and geochemistry of metasomatised lithospheric mantle magmas, diamond exploration, cratonic roots, diamonds, diamond mining and sustainable developments and policies and governance of diamond exploration. Pre- and post-conference field trips were organized to (i)

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the diamond bearing kimberlites of Dharwar Craton in South India, (ii) lamproites of Bundelkhand Craton in northern India and (iii) diamond cutting and polishing industry of Surat, Gujarat in western India. A series of social and cultural programmes depicting cultural diversity of India were organized during

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the conference. The Kimberlite fraternity enjoyed yet another socially and scientifically successful conference.

International Kimberlite Conferences (IKCs) are special events that are held across the world once in four to five years. IKC is the confluence platform for

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Academics, scientists and industrial personnel concerned with diamond exploration and exploitation, petrology, geochemistry, geochronology, geophysics and origin of the primary diamond host rocks and their entrained xenoliths and xenocrysts (including diamond) to get together and deliberate on new advances

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Read Online Diamond Deposits Origin Exploration And History Of Discovery News, Inc., Portland, OR (booknews.com).

Written for students and professionals, this revised textbook surveys the mineral industry from geological, environmental and economic perspectives. Thoroughly

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updated, the text includes a new chapter on technology industry metals as well as separate chapters on mineral economics and environmental geochemistry.

Carefully designed figures simplify difficult concepts and show the location of important deposits and trade patterns, emphasising the true global nature of

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mineral resources. Featuring boxes highlighting special interest topics, the text equips students with the skills they need to contribute to the energy and mineral questions currently facing society, including issues regarding oil pipelines, nuclear power plants, water availability and new mining locations. Technical terms

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are highlighted when first used, and references are included to allow students to delve more deeply into areas of interest. Multiple choice and short answer questions are provided for instructors online at www.cambridge.org/kesler to complete the teaching package.

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Gems have been used in the manufacture of jewellery and as ornaments since antiquity. Considering gems, recent statistics have shown that about 15 billion Euros are annually at stake. Nowadays, gemmology, i.e., the study of gem materials, is one of the most expanding fields in the earth sciences, positioned

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As an applied science, in gemmology, the instruments used should be non- or microdestructive, and their cost should be reasonable both in terms of equipment and time consumption. Gemmology can also be used contribute to the development of pure science and in some cases,

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destructive techniques may have to be used. Taking into account the fact that gems are albeit rarely available for scientific research, this compilation of 20 articles by around 100 researchers from over 30 different institutions situated in 20 countries from around the globe, presented in the Special Issue entitled “Mineralogy

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And Geochemistry of Gems”, offers very good examples on the application of various methods for their study which will hopefully contribute to our better understanding of gem formation in general and will enhance scientific debates attracting more scientists from various disciplines to get involved in this field.

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Africa's dire need to industrialize is universally acknowledged and it is evident that the continent's vast mineral resources can catalyze that industrialization. This requires the promotion of local

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Mineral beneficiation and value addition of minerals to yield materials on which modern Africa's industry and society can rely. This book is, therefore, about transforming Africa's comparative advantages in minerals into the continent's competitive edge regarding materials. Mineral beneficiation and value

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addition form the basis and provide opportunities for mineral-driven Africa's industrialization. The scope of the book is three-fold with inter-connected relationships: Information, Technical, and Policy oriented. It will be a useful reference material for mining undergraduate students on beneficiation

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And value addition of each of the minerals found in Africa. The book, while presenting a broad overview of beneficiation and value addition of Africa's minerals, provides crucial starting material for postgraduate research students and R&D institutions who wish to delve into more advanced methods of

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extraction and utilization of mineral-
derived materials that are in Africa for the
purpose of industrialization of the
continent.

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