**FLUORSPAR MARKET REVIEW AND SELECTED FLUORITE DEPOSITS IN BRITISH COLUMBIA, CANADA**

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**Introduction**

Fluorspar (CaF₂), also known as fluorspar or calcite fluoride, is a mineral widely used in various industries. It is used as a flux in the production of steel, glass, and ceramics, and as a raw material in the production of aluminum, calcium carbide, and hydrogen fluoride. Fluorspar is also used in the production of magnesium and sulfuric acid.

**Fluorspar Production and Prices**

Fluorspar is produced in several countries around the world, with China, the United States, and Russia being the leading producers. The price of fluorspar has fluctuated over the years, influenced by supply and demand factors, including production levels, inventory levels, and market sentiment.

**Major Fluorspar-producing Countries**

- **China**: The world's largest producer, with significant deposits in Inner Mongolia, Anhui, and Guangxi.
- **United States**: Produces fluorspar in the states of North Carolina, Alabama, and South Carolina.
- **Russia**: Produces fluorspar in the regions of Primorsky Krai and Krasnoyarsk Krai.
- **Canada**: Produces fluorspar in the province of British Columbia, particularly in the Quesnel district.

**Fluorspar Geology**

Fluorspar is typically found in association with other minerals, such as quartz, feldspar, and calcite. In British Columbia, fluorspar is found in the Quesnel district, where it is associated with granitic orthogneiss and phosphorite rock. Fluorspar is also found in the Snowshoe Group, where it is associated with REE-fluorite and uranium-fluorite deposits.

**Fluorspar Available**

Fluorspar is available in various grades, with metallurgical grade fluorspar concentrate containing more than 97% CaF₂, < 1.5% SiO₂, 0.03 - 0.10% S (as sulphide or free S), <12 ppm As, 100 - 550 ppm P, plus low concentrations of other impurities.

**Other Countries**

- **Mexico**: Produces fluorspar in the states of Durango, Zacatecas, and Sinaloa.
- **South Africa**: Produces fluorspar in the provinces of Eastern Cape and Western Cape.
- **Russia**: Produces fluorspar in the regions of Primorsky Krai and Krasnoyarsk Krai.
- **Spain**: Produces fluorspar in the province of Laviana.

**Acknowledgements**

For more information or for references cited in this document please contact: George.Simandl@gov.bc.ca; or gsimandl@uvic.ca

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**References**

For more information on the various aspects of fluorspar, please consult the following sources: