

The Mining Cycle

Prospecting

Prospecting is the process of looking for minerals like diamonds, gold, iron and sapphires. The very first step to exploring or mining in Nunavut is to get a prospecting licence.

A prospecting licence allows you to look for these kinds of minerals. Without a licence, no one can stake a mineral claim. Anyone 18 years or older can apply for a prospecting licence and it only costs five dollars!

Exploration <

Exploration is the search for minerals.

Advanced Exploration and Development

If a large amount of mineral is found, the person or company will study the site to see if it could make money as a mine. A water COOL PROSPECT!

licence and land use permit may be required for advanced exploration, which can involve drilling, excavating and bulk sampling.

In the summer of 2002, Seemeega and Nowdluk A Poik of Kinmirut Indian and Northern Affairs Canada, the Government of Nunavut, Inuit organizations, the Nunavut Impact Review Board, the Nunavut Water Board, the Nunavut Planning Commission and others work together to make sure that measures are taken to protect the environment.

Did you

that in Nunavut...

Inuit owned land is owned or administered by Inuit.

Crown land is administered by the Government of Canada (federal government).

Commissioner's land is owned or administered by the Government of Nunavut (territorial government).

> Municipal land is owned or administered by the city or hamlet.

discovered the first Kinnnirut

Contact Us

If you have a geology question you want answered, send an e-mail to: nuinfo@ainc-inac.gc.ca

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We welcome your questions, comments or suggestions. Please e-mail us at nuinfo@ainc-inac.gc.ca or phone (867) 975-4500.

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sapphire when they were prospecting. There are two types of mining; underground and open pit. Underground mining is when minerals are taken out of the ground from at least three metres (10 feet) deep. This is done by using tunnels and machines that burrow down into the ground. Open pit mining is when the minerals are mined from an open hole in the ground. Ice, vegetation and soliding the from an open hole in the ground. Ice, vegetation and soliding to bring rock trucks, bull-dozers and drills.

Once these minerals are gathered, either from underground or



the valuable mineral recovered. One recovery method to separate the mineral from rest f the rock is to melt it - this is called smelting.



An abandonment and reclamation plan shows how a company will restore the environment back as close as possible to its original state once mining stops. Before a mine can go ahead, an abandonment and reclamation plan must be completed.



