Mines in Alaska

Pebble Project: Northern Dynasty Minerals Ltd. Situated in the Bristol Bay region of southwest Alaska on state land designated for mineral exploration and development, Pebble consists of two adjacent deposits – the near-surface Pebble West deposit and the deeper, richer Pebble East deposit – and is one of the most important concentrations of copper, gold, molybdenum and silver in the world.

Coeur Alaska is currently constructing the Kensington underground gold mine in Southeast Alaska. With a commitment to operate at the highest standards of environmental, safety, and health compliance, Coeur Alaska looks forward to making a lasting contribution to the economic vitality of the region.

The Greens Creek Mine is a Joint Venture between Kennecott Minerals and Hecla Mining Company. The operation consists of an underground mine that delivers a polymetallic (silver, zinc, gold, and lead) ore to a surface mill and concentrator, which in turn produces three separate concentrates. These concentrates are shipped to various smelters throughout the world on a regular basis.

Kinross acquired the Fort Knox open pit mine, located near Fairbanks, Alaska, in 1998. The Fort Knox mine includes the main Fort Knox open pit mine, mill, and tailings storage facility, an 80% ownership interest in the Gil property that is subject to a joint venture agreement with Teryl Resources Corporation and the True North open pit mine (which is currently suspended). In 2006, Fort Knox poured its 3 millionth ounce of gold.

NovaGold Resources Inc. strives to add shareholder value by advancing its existing quality development-stage projects to production and leveraging its exploration and development expertise to make new exploration discoveries. The company has targeted first production for 2007 at its 100%-owned Nome Operations in Alaska, which includes Rock Creek, Big Hurrah and Nome Gold. NovaGold recently announced its 50/50 partnership with Teck Cominco to build the Galore Creek copper-gold mine in northwestern British Columbia, with Teck Cominco funding the next approximately US$500 million in construction costs.

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**Job Opportunities**

<table>
<thead>
<tr>
<th>Job Role</th>
<th>Description</th>
<th>Education Requirements</th>
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</thead>
<tbody>
<tr>
<td>Service Worker</td>
<td>Performs a wide range of mining activities related to equipment, material/supplies, and labor.</td>
<td>High School diploma/experience/training</td>
</tr>
<tr>
<td>Heavy Equipment Operator</td>
<td>Operates equipment such as cranes, drillers, and blasters.</td>
<td>Industry or college education/training/experience</td>
</tr>
<tr>
<td>Maintenance/Mechanic</td>
<td>Repairs and Maintains mining equipment</td>
<td>High School diploma/Mechanic certificate</td>
</tr>
<tr>
<td>Administration/Support</td>
<td>Provides clerical assistance, works in warehouses, trains and ensures safety of employees.</td>
<td>UAS Occupational Endorsement in Diesel Mechanics</td>
</tr>
<tr>
<td>Electrician</td>
<td>Installs and maintains electrical wiring</td>
<td>B.S. in Business or related field/Training</td>
</tr>
<tr>
<td>Geologist</td>
<td>Maps out the mining site, maintains a model of the site, and tracks site reserves.</td>
<td>UAS degree in Environmental Science or Mathematics</td>
</tr>
<tr>
<td>Engineer</td>
<td>Industrial and manufacturing engineer develop and supervise programs to achieve the best use of equipment, human resources, technology, and materials to improve efficiency and productivity</td>
<td>B.S. in Science or Engineering UAS Pre-engineering certificate</td>
</tr>
</tbody>
</table>

**Useful High School Subjects**

- Industrial Arts
- Mechanics
- Physics and Math
- First Aid

**Useful Experience and Skills**

- Physical/Outdoor Work
- Machinery
- Safety Procedures
- Interpersonal Skills

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**Something to Think About**

Employees possessing at least a bachelor’s degree in mining or geological engineering can earn a median pay of over $80,000 annually.

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**Career Pathways in Mining**

**Careers**
- Surveyor
- Ore Control
- Planning
- Deposit Modeling
- Project Management

**Related Areas**

- Environmental
- Hydrology
- Geotechnical
- Production
- Maintenance
- Logistics and Transportation
- Safety and Regulation

**History**

- Planning Engineer
- Project Evaluation
- Environmental Engineer
- Project Engineer
- Production Supervisor
- Management (Chief Engineer)