

IDAHO MINING

Idaho is rich with natural resources and beautiful scenic areas. But people are seldom aware of the mineral wealth found beneath its surface.

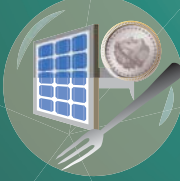


Idaho - The Gem State

- Idaho is home to almost every type of gemstone found in nature
- Idaho's signature gem, the star garnet, is only found in significant quantities here and in India
- Here in Idaho we can find the bruneau jasper, spencer opal, corundum, amethysts, chalcedony, agate, topaz, zircon, aquamarine, and ruby - just to name a few.

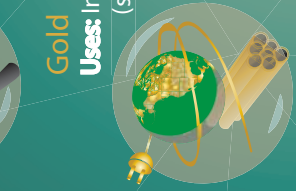
IDAHO MINERALS IN ACTION

The mountains of Idaho contain valuable deposits of rare minerals critical to US security such as antimony, chromium, cobalt, copper, gold, platinum, thorium, tungsten and vanadium. The most prominent Idaho minerals are listed below.



Silver

Uses: Jewelry, solar panels, photography, electronics (e.g. cell phones), antibacterial applications, switches in microwaves, in cars, etc.



Gold

Uses: Investment, jewelry, medicine, space safety, electronics, industry (see our Gold infographic)

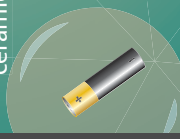


Copper (# 3 most used metal)

Uses: electrical wiring, power generation & transmission, plumbing electronics e.g. cars, phones, etc.

Molybdenum

Uses: stainless steel, construction steel, catalysts, smoke suppressants and ceramics, casting metals

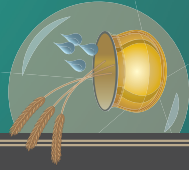


Lead

Uses: Batteries, radiation shield, gasoline, paints, solders, ammunition, glass, manufacturing, ceramics, casting metals

Zinc (# 4 most used metal)

Uses: Additive to prevent rusting, cars, electrical components, protective skin ointment, household fixtures, crucial for human health



Phosphorus

Uses: Fertilizer, fire retardant, industrial cleaners, water treatment, dishwashing detergent, multiple food & beverages (e.g. baking powder)

MINERAL TRIVIA

(2013)

1st

The Coeur d'Alene District in northern Idaho has produced more Silver than any other mining district in the US



top 10

Idaho has been ranked in the top 10 of US mining states regarding mineral potential, jurisdiction, and investment attractiveness.*

240

different minerals have been identified in Idaho**



3rd

Third largest producer of Phosphate in the US is Idaho



*Fraser Institute Annual Survey of Mining Companies 2013; Fraser Institute, 2014
**GeoNote 37; Idaho Geologic Survey

IDAHO MINING

CURRENT MINING

SILVER VALLEY (Coeur d'Alene District)

- Among top 10 mining districts in world history
- > \$6 billion: production value since 1885
- > 1.2 billion ounces silver, > 3.3 million tons zinc, 8.3 million tons of lead, 207,000 tons copper, 529,000 ounces of gold

CENTRAL IDAHO:

The Stibnite Gold Project

- Mining for gold and antimony started in 1928
- During WWII, 90% of the antimony and much of its tungsten to support the US war efforts was produced at Stibnite
- Today a brownfield site remains, and Midas Gold is seeking to restore the site and provide economic benefits region

PHOSPHATE DISTRICT

- Four open pit mines in production
- Exploration and permitting work continues
- \$ 200 million: raw ore value

ECONOMY, SECURITY & LEGISLATION

Economic Contribution of Mining in Idaho ***



\$1.68

total new spending in the local economy for every one dollar of direct expenditure

\$ 272 million in direct payroll

\$ 5.1 million in direct local property taxes

\$ 5.6 million in state royalties, rents, and fees

\$ 27.2 million in income taxes (incl. multiplier effect)

\$ 980 million total value of non-fuel mineral production****

Employment in Idaho



2.07
Jobs

are created for every mining job created*

3,000 Jobs in mining and mine processing***

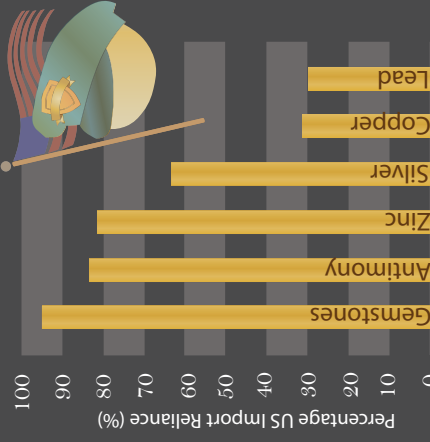
9,100 Jobs created through mining activity***

\$105,000: average mining job pay***.

Mining jobs are among the highest paid jobs in Idaho.

Security

US reliance on foreign countries for minerals found in Idaho (2014) *****



In addition to the principal mining districts, there are several small scale mining projects in Central Idaho. The abundance of critical rare minerals makes the area a popular exploration target.



Mining accounts for 2% of Idaho's GDP (incl. multiplier effect)***

*** Economic Impacts of IMA Member Firms 2007-2013; Idaho Mining Association, 2014
 **** Idaho Mining and Exploration, 2013; Idaho Geological Survey, 2015
 ***** Mineral Commodity Summaries 2015; U.S. Geological Survey, 2014