MINERALS ARE CRITICAL TO A RENEWABLE FUTURE

SILVER
Alaska’s most versatile metal

Scientific Properties

- Malleable
- Ductile
- Conducts heat
- Conducts electricity
- Relatively unreactive
- Non-corrosive
- Highly reflective
- Antimicrobial

Uses for Silver in the U.S.

ELECTRONICS
- Silver’s exceptional thermal and electrical conductivity means it’s perfect for electronics. It is used in paste form for electronic contact switches that turn things on and off.

LUXURY
- Silver, precious and lustrous, makes beautiful, long-lasting jewelry that is less expensive than gold. It has also long been a traditional standard in fine dining ware.

INVESTMENT
- In greater abundance than gold, and therefore less expensive, silver has been used more often as currency. Wealth was historically stored in silver coins, but today most is held in investment-grade silver bullion.

PHOTOGRAPHY
- Film photography relies on silver halide crystals to record latent images. The accuracy of this process makes it useful for non-digital consumer photography, film, and X-rays.

MEDICINE
- Its antimicrobial qualities make it useful in medicine. It is used in antimicrobial bandages, antibiotics, surgical tools, and in pharmaceuticals for bone infection treatments that help heal damaged tissue.

INDUSTRY
- Other uses of silver include: clothing, plastics, mirrors; batteries; bearings; brazing and soldering; catalytic converters in automobiles; electropolating; inks; paints; photovoltaic solar cells; water purification; and wood treatment.

Alaska Silver Production

15,116,355 troy ounces of silver was produced in 2018.

Red Dog Mine

Greens Creek Mine

DID YOU KNOW
Alaska has 1.5% of world’s silver reserves. (2018)

$210.8 MILLION
worth of silver was produced in 2018

References:
- https://dggs.alaska.gov
- http://www.dnr.alaska.gov
- www.blm.gov/alaska/minerals
- https://www.usgs.gov
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