Alaska Miners Association

- Established in 1939
- Over 1,400 members
- Eight statewide branches – Haines!
- Placer mines: small; family-owned
- Large-scale mines and projects
- Sand, gravel, quarry rock
- Support contractors and businesses
Southeast Opportunities and Responsibility in Action

- Why mining?
- Update on mining around Alaska
- Exploration and development in Southeast
- Permitting a mine in Alaska
- Water Quality and Fish Habitat
- Success Stories
Every American Born Will Need...

- 27,442 lbs. Salt
- 12,129 lbs. Clays
- 1.18 million lbs. Stone, Sand, & Gravel
- 971 lbs. Copper
- 1.76 Troy oz. Gold
- 17,343 lbs. Phosphate Rock
- 521 lbs. Zinc
- 72,080 gallons Petroleum
- 459,784 lbs. Coal
- 889 lbs. Lead
- 5,708 lbs. Bauxite (Aluminum)
- 24,698 lbs. Iron Ore
- 45,060 lbs. Cement
- plus 54,336 lbs. Other Minerals & Metals
- 6.8 million cu. ft. Natural Gas

3.03 million pounds of minerals, metals, and fuels in their lifetime

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The Society for Mining, Metallurgy & Exploration Foundation

Learn more at www.MineralsEducationCoalition.org
Minerals Make Life

Broken-down Raw Materials of Worth in Your iphone 5

- **Platinum**: 0.000012 oz. - $0.02
- **Gold**: 0.0012 oz. - $1.58
- **Aluminium**: 0.88 oz. - $0.05
- **Silver**: 0.012 oz. - $0.36
- **Copper**: 0.56 oz. - $0.12
Minerals Make Life
If you have turned on a light, entered a building, driven on a road, made a phone call, used a computer, or visited a doctor, then mining is an important part of your life.
Niblack – Prince of Wales Island
Dotson Ridge – Prince of Wales
Benefits to Alaska: jobs

• 4,350 direct jobs
• 8,600 total direct and indirect jobs
• $675 million total payroll
• Average annual wage of $108,000
• Residents of 50+ communities
• Contracts for AK businesses

AMA Economic Benefit report at www.alaskaminers.org
# No Single Permit to Mine: there are many permits & authorizations

Mine permitting is a mixture of State, Federal and local permitting requirements. Each project is unique.

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These are only some of the permits required!
Reclamation and Closure

- Alaska law (AS 27.19) requires that a mine site must be returned to a stable condition compatible with the post-mining land use
- Plan must be approved by DNR Commissioner before operations begin
- Financial assurance applies to all companies
- Reviewed every 5 years or earlier if necessary
Water Quality and Fish Habitat
All development does the same thing to obtain permits from ADF&G

Is it an anadromous stream?
Are fish present?

If the answer to either of these is yes, then:

• Assess potential impacts of proposed activity
• Identify alternatives to address these impacts
• Submit a plan to ADF&G
• Address agency’s comments and feedback
• Prepare detailed plans subject to agency review/alteration
• Implement plan under the terms of the permit

Fish habitat permitting in Alaska is rigorous and effective
Doing it Right: Fort Knox Mine
Doing it Right: Red Dog Mine

Before Mining (1982)

After Mining (2005)
Doing it Right: Red Dog Mine

Source: EPA Environmental Assessment NPDES Permit (AK-003865-3) Renewal – January 2006
Doing it Right: Greens Creek Mine
Doing it Right: Greens Creek Mine
Thank you!

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