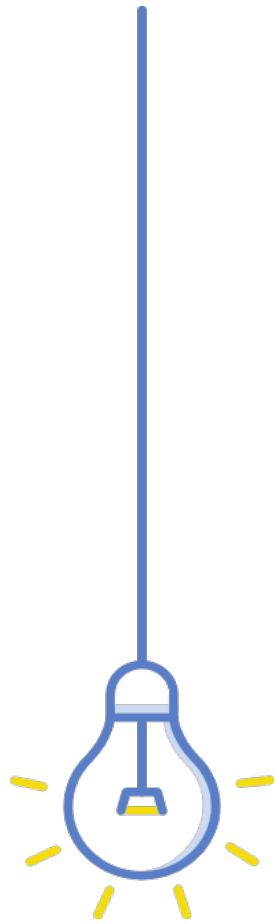




ALASKA MINERS
ASSOCIATION

SOUTHEAST CONFERENCE
FEBRUARY 13, 2018

Deantha Crockett, Executive Director

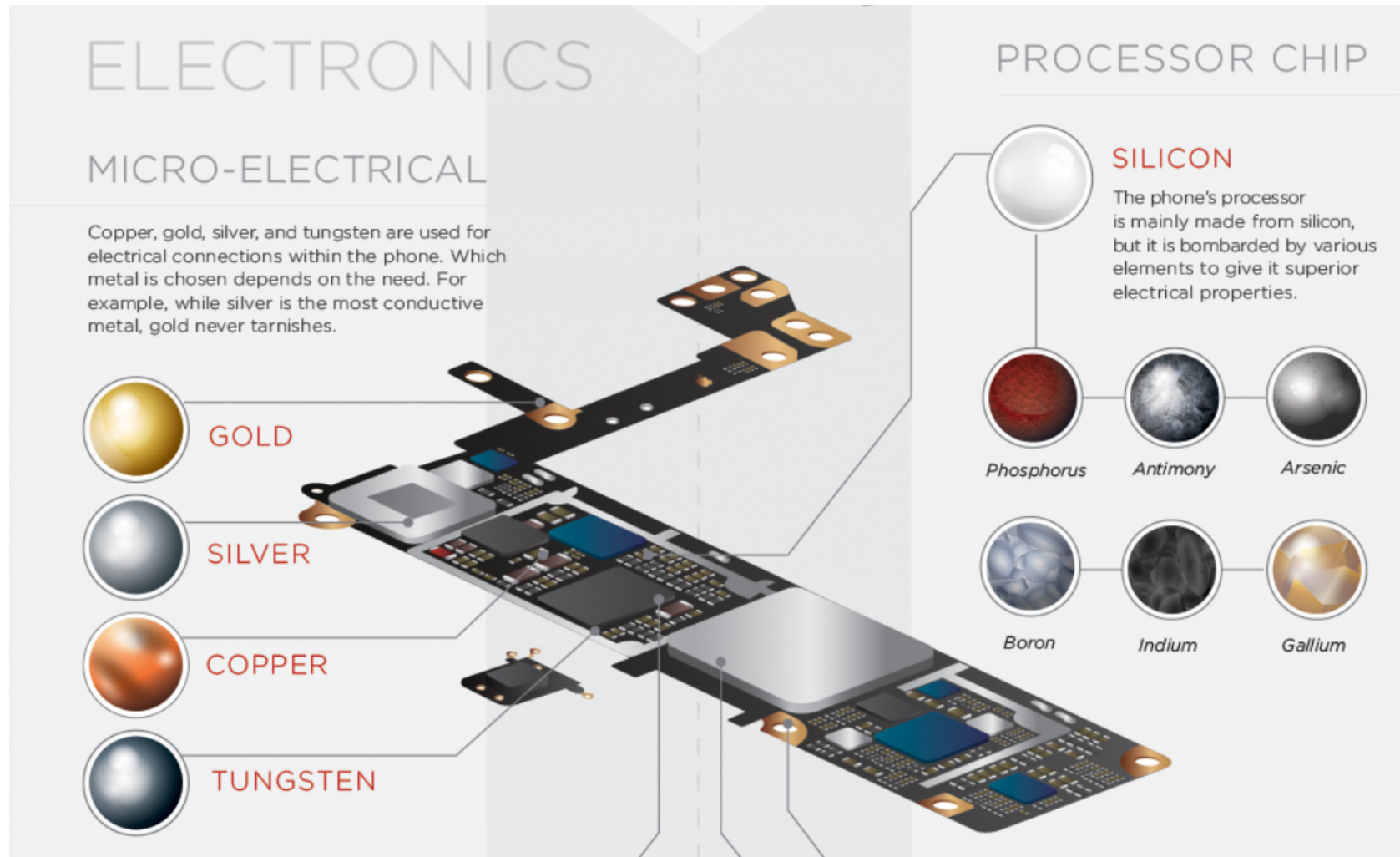


If you have turned on a light, entered a building, driven on a road, made a phone call, used a computer, or visited a doctor, then mining is an important part of your life.

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Alaska metals could be in your phone





Mining Activity in Alaska

Red Dog Mine – Northwest Alaska



Fort Knox Mine - Fairbanks



Pogo Mine – Delta Junction



Usibelli Coal Mine - Healy



Coeur Alaska Kensington Mine



Greens Creek Mine





Placer Mining in Alaska

- 600 placer operations permitted produced 83,000 oz gold
- Approximately 1,200 direct jobs
- Of the 1,200 workers: 73% live in Alaska full-time; majority of these outside Anchorage, Mat-Su, and Fairbanks
- Average of 4 workers at each mine
- “Family Farm of the North”

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Donlin Gold Project - Southwest Alaska



Pebble Project - Southwest Alaska





Benefits to Alaska: jobs

- 4,400 direct jobs
- 9,000 total direct and indirect jobs
- \$700 million total payroll
- Average annual wage of \$108,600
- Residents of 55+ communities
- \$580 million in contracts for 600+ AK businesses



Benefits to Alaska Native Corporations

- 7(i) and 7(j) royalty sharing:
 - \$1.5 billion to NANA (1982-2017), of which \$1 billion shared
 - \$2 million to Calista in 2016
- Jobs for shareholders:
 - Red Dog 55%
 - Upper Kobuk Minerals Projects 59%
- Business partnerships

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.

STATE

- Plan of Operations (DNR)
- Reclamation and Bonding (DNR)
- Waste Management Permits and Bonding (ADEC)
- CWA Section 402 APDES Water Discharge Permit
- Certification of ACOE Permits (ADEC)
- Sewage Treatment System Approval (ADEC)
- Air Quality Permits (ADEC)
- Fish Habitat and Fishway Permits (ADF&G)
- Water Rights (DNR)
- Right of Way/Access (DNR/DOT)
- Tidelands Leases (DNR)
- Dam Safety Certification (DNR)
- Cultural Resource Protection (DNR)
- Monitoring Plan (Surface/Groundwater/Wildlife) (DNR/DEC/DFG)

FEDERAL

- US EPA Air Quality Permit review
- US EPA Safe Drinking Water Act (UIC Permit)
- US ACOE S. 404 Dredge and Fill Permit
- US ACOE S. 10 Rivers and Harbors Act
- US ACOE S. 106 Historical & Cultural Resources Protection
- NMFS Threatened & Endangered Species Act Consultation
- NMFS Marine Mammal Protection Act
- NMFS Essential Fish Habitat
- NMFS Fish and Wildlife Coordination Act
- USFWS Threatened & Endangered Species Act Consultation
- USFWS Bald Eagle Protection Act Clearance
- USFWS Migratory Bird Protection
- USFWS Fish & Wildlife Coordination Act

These are only some of the permits required!



True North (Fairbanks)



Poker Flats (Healy)

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



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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

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Doing it Right: Fort Knox Mine



Doing it Right: Red Dog Mine

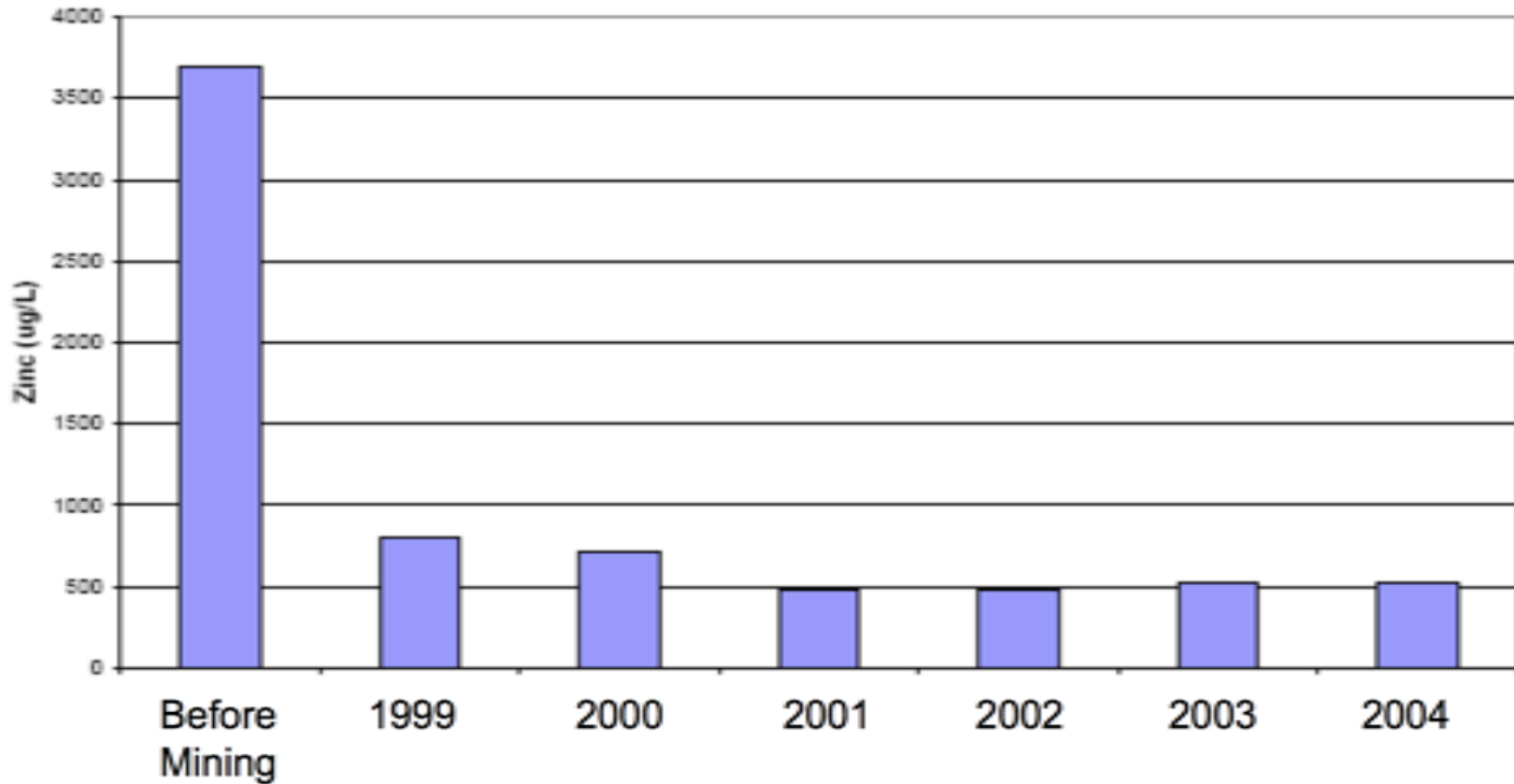
Before
Mining
(1982)



After
Mining
(2005)

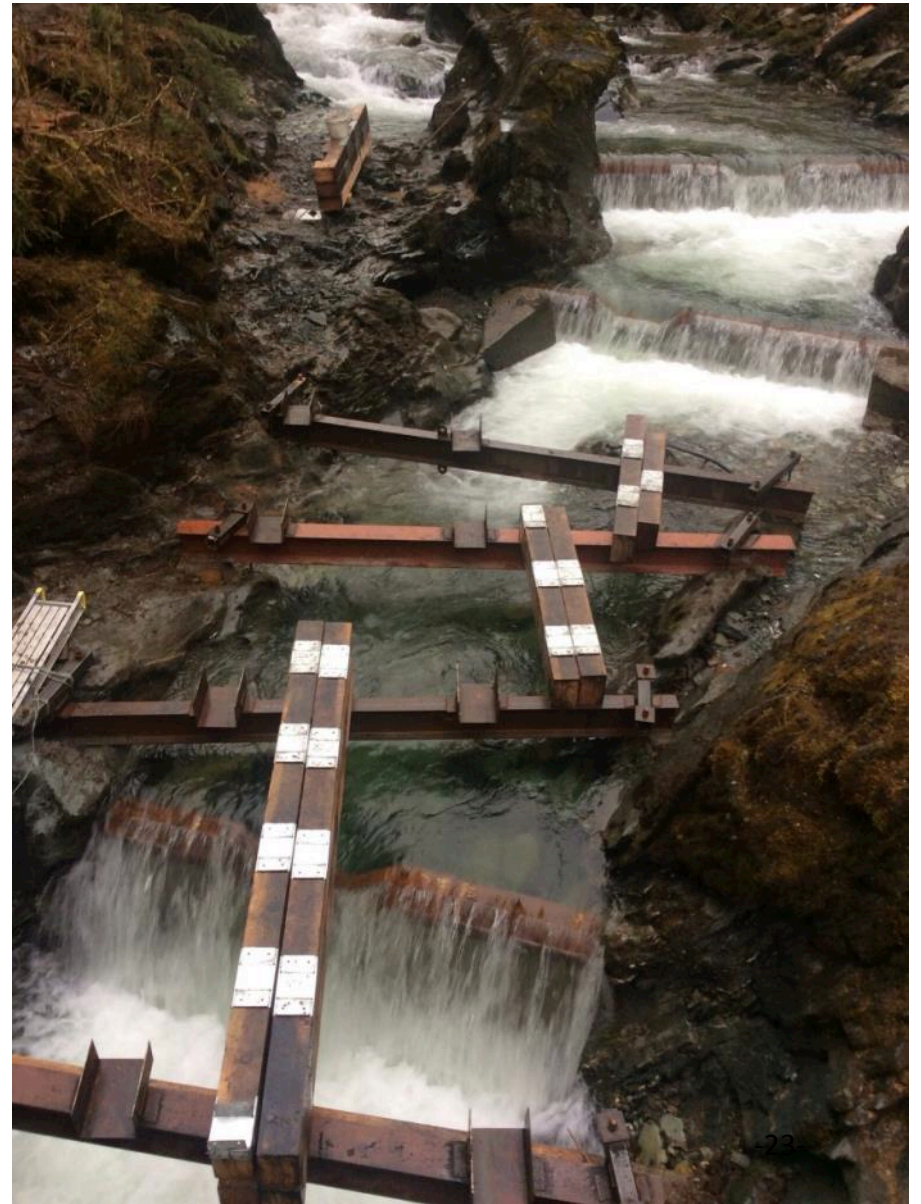


Doing it Right: Red Dog Mine



Source: EPA Environmental Assessment NPDES Permit (AK-003865-3) Renewal – January 2006

Doing it Right: Greens Creek Mine

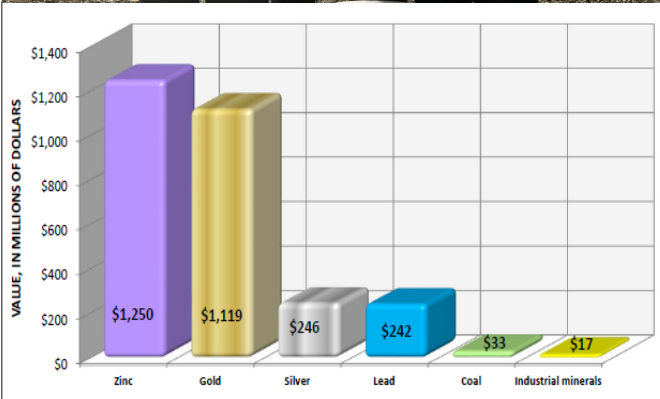


Doing it Right: Greens Creek Mine



The Future is Bright!

- Pro-business Federal Administration and Congress
- Governor Walker: Alaska needs double the mines
- Stable commodity prices and healthy investment climate
- The world needs minerals!



Thank you!

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