

University of Alaska Southeast

Graham Neale - Director

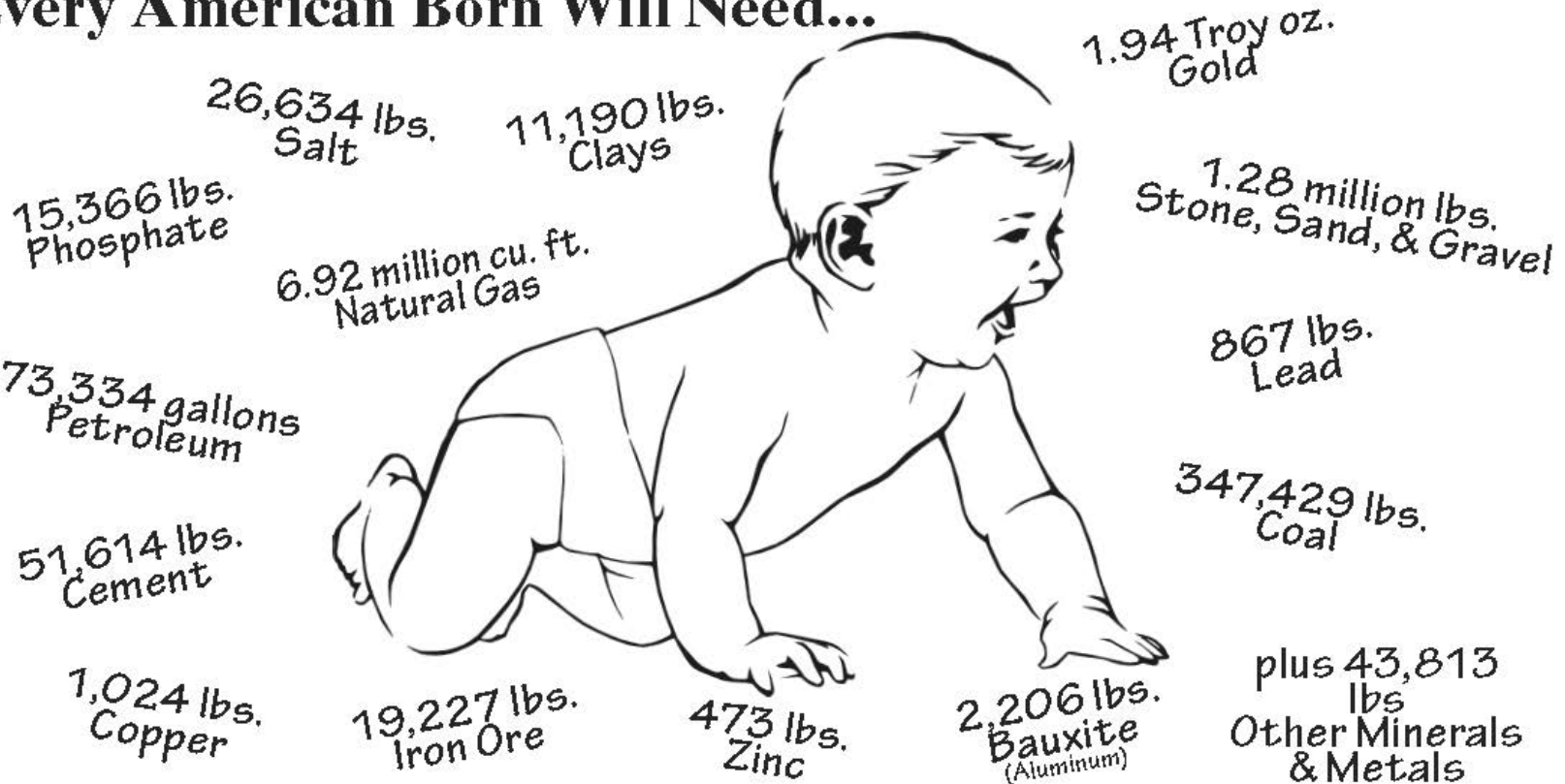


CENTER *for* **MINE TRAINING**

UNIVERSITY of ALASKA SOUTHEAST JUNEAU

2018 Mineral Baby

Every American Born Will Need...



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

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Careers

Mucker
Geologist
Mining Supervisor
Mine Manager
Blaster
Welder
Diesel Mechanic
Secretary
Clerk
Payroll Clerk
Accountant
Accounts Payable
Accounts Receivable
Lawyer
Human Resources
Public Relations
Technology Supervisor
Computer Networker
Systems Technician
Programmer
Radio Technician
Draftsman and Design
Shop Foreman
Lead Diesel Technician
Auto Mechanic
Parts Department Manager
Fabricator
Machinist
Boilermaker

Refrigeration Technician
Hydraulics Specialist
Tire Repairman
Assistant Tire Repairman
Fuel Man
Lube Man
Preventive Maintenance
Mechanics
Fitter
Mill Operator
Plumber
Carpenter
Carpenter's Helper
Builder
Rigger
Gas Fitter
Core Driller
Core Driller's Assistant
Core Handler
Core Recorder
Core Analyst
Forklift
Storeman
Environmental Technician
Environmental Engineer
Environmental Manager
Surveyors
Chemical Analysis
Technician

Paste Plant Operator
Grout Machine Operator
Bull Gang
Bull Gang Supervisor
Air Line Handlers
Plastic Welders
Pump Repair Specialists
Bolter Operator
Laborer
Service Person
Expediter
Stockers
Comptroller
Shot Firer
Drill Shot
Jumbo Operator
All Rounder
Nipper
Firer Offsider
Blast Explosives
Haul Truck
Dump Truck
Scrapers
Compactors
Excavator Operator
Loader Operator
Dozer Operator
Grader Operator
Crane Operator

Plant Operator
Construction Manager
Maintenance Manager
Maintenance Supervisor
Maintenance Deputy
Medic
Nurse
Paramedic
Emergency Responder
Midwife
Security
Guard
Geology Technician
Health and Safety Trainer
Safety Officer
Geophysics
Metallurgy
Floatation Operator
Sample Preparer
Fire Security
Fireman
Store Person
Freight Handler
Mailman
Mining Engineer
Civil Engineer
Quality Control
Ventilation Analyst
Planning Specialist

Production
Designer
Chef
Cook's Helper
Dish Washer
Waiter
Bus Boy
Janitor/Cleaner
Village Staff
Electrician
Electrician Helper
Linesman
Motor Rewinders
Water Operations
Technician
Sewer Technician
Building Maintenance
Run Off Control
Ground Water Crew
Waste Water Technician
Power House Generation
Ship Loading Supervisor
Long Shoreman
Bus Driver
Boat Captain
Crew
Tailings Operations
Pit Liners
Harbor Master

Careers

Jobs in Mining

Entry Level Jobs

These jobs require little or no previous experience. On-the-job training may be required for some of these jobs. You must be able to read and write, though some require at least a Grade 12 level of education.

- * *Labourer* *loads, moves, cleans up, etc.*
- * *Janitor/Dryman* *keeps the mine clean*
- * *Blast Helper* *helps load explosives into drill holes, makes sure everything is safe before blasting*
- * *Driller's Assistant* *helps operate/move the drill, handles drill core*
- * *Equipment Operator* *drives dozers, graders, loaders, trucks, etc.*
- * *Geophysical Asst.* *operates geophysical equipment, records data*
- * *Mechanic's Helper* *helps clean, oil, test, and fix equipment*
- * *Electrician's Helper* *helps run wires, check & fix electrical equipment*
- * *Surveyor's Helper* *holds stakes & rods, carries equipment*
- * *Crusher Operator* *runs the controls setting the amount of rock going into the crushers*
- * *Sampler* *collects ore samples for testing*
- * *Grinding Operator* *runs the equipment which does the rock crushing*
- * *Flotation Operator* *runs the tanks which mix chemicals into crushed rock and water*
- * *Reagent Operator* *works with a machine that mixes chemicals into tanks filled with powdered rock and water*
- * *Dewatering Operator* *runs the filter that gets water out of crushed rock before shipping*
- * *Cook's Helper* *helps prepare and serve food*
- * *Warehouse Person* *works in warehouse, stocking inventory*

Source: INFOMINE.com

	Students		Graduates
	IMOO	Academy	Mine Mechanics OE/AAS
2011/12-18/19	285	54	20

	Current Students	
	IMOO	OE/AAS
Juneau	9	8
POW	6	-

INTRODUCTION to MINING OCCUPATIONS & OPERATIONS

PATHWAY to MINING CAREERS

HECLA MINING ACADEMY

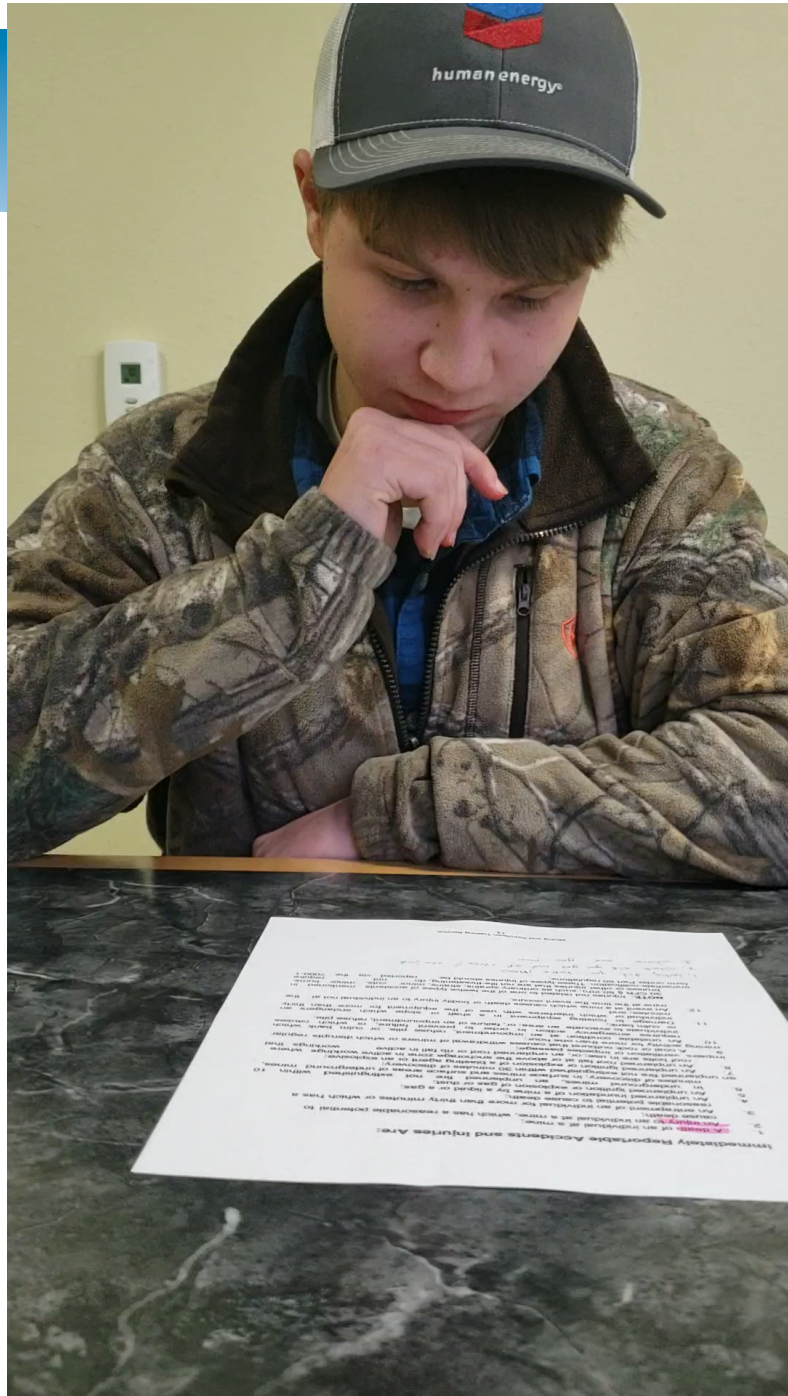
Juneau CMT

SUMMER INTERNSHIP

MINE MECHANIC PROGRAMS

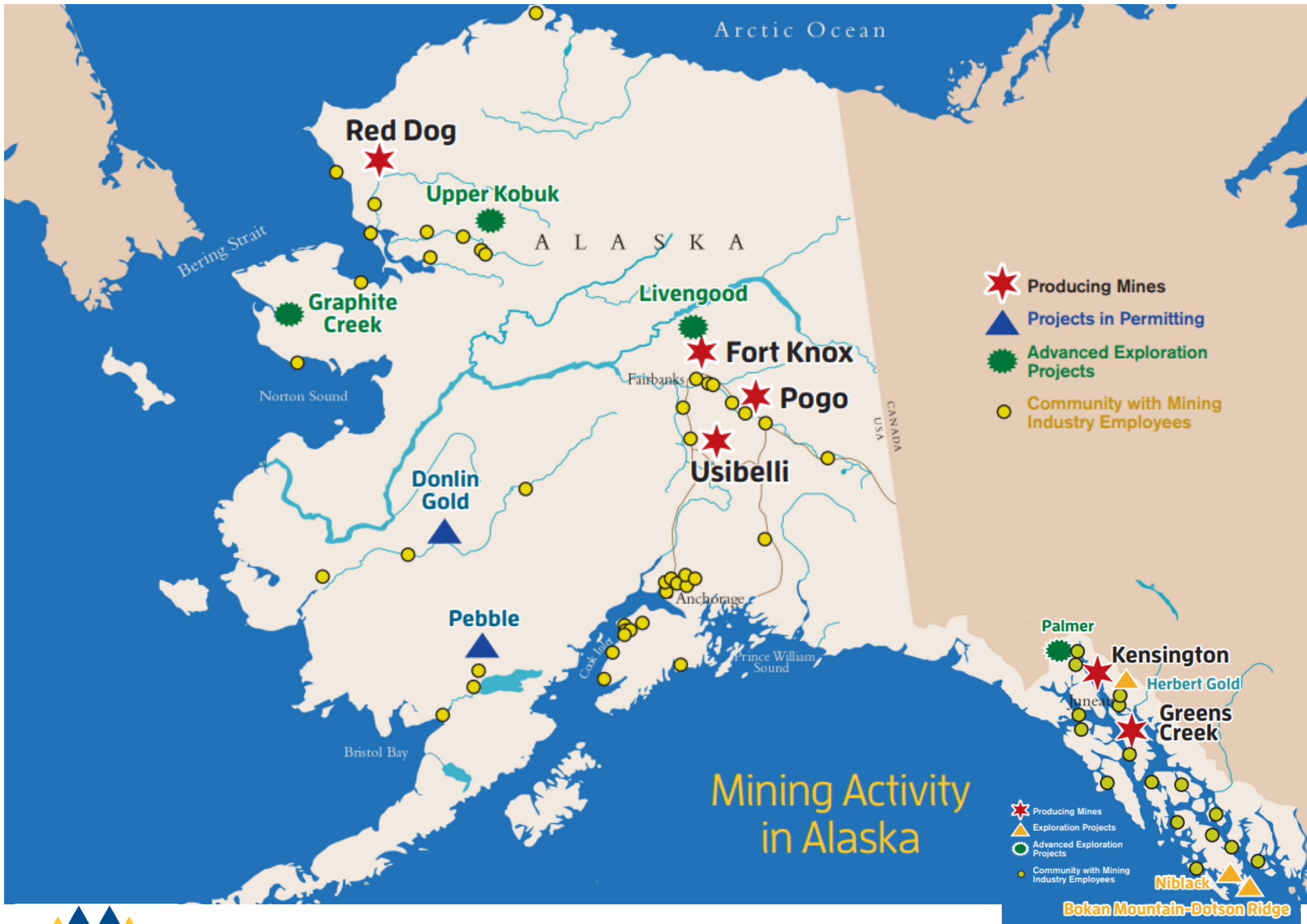
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Mining Activity in Alaska



Mining Activity in Alaska



Forward-Looking Statements

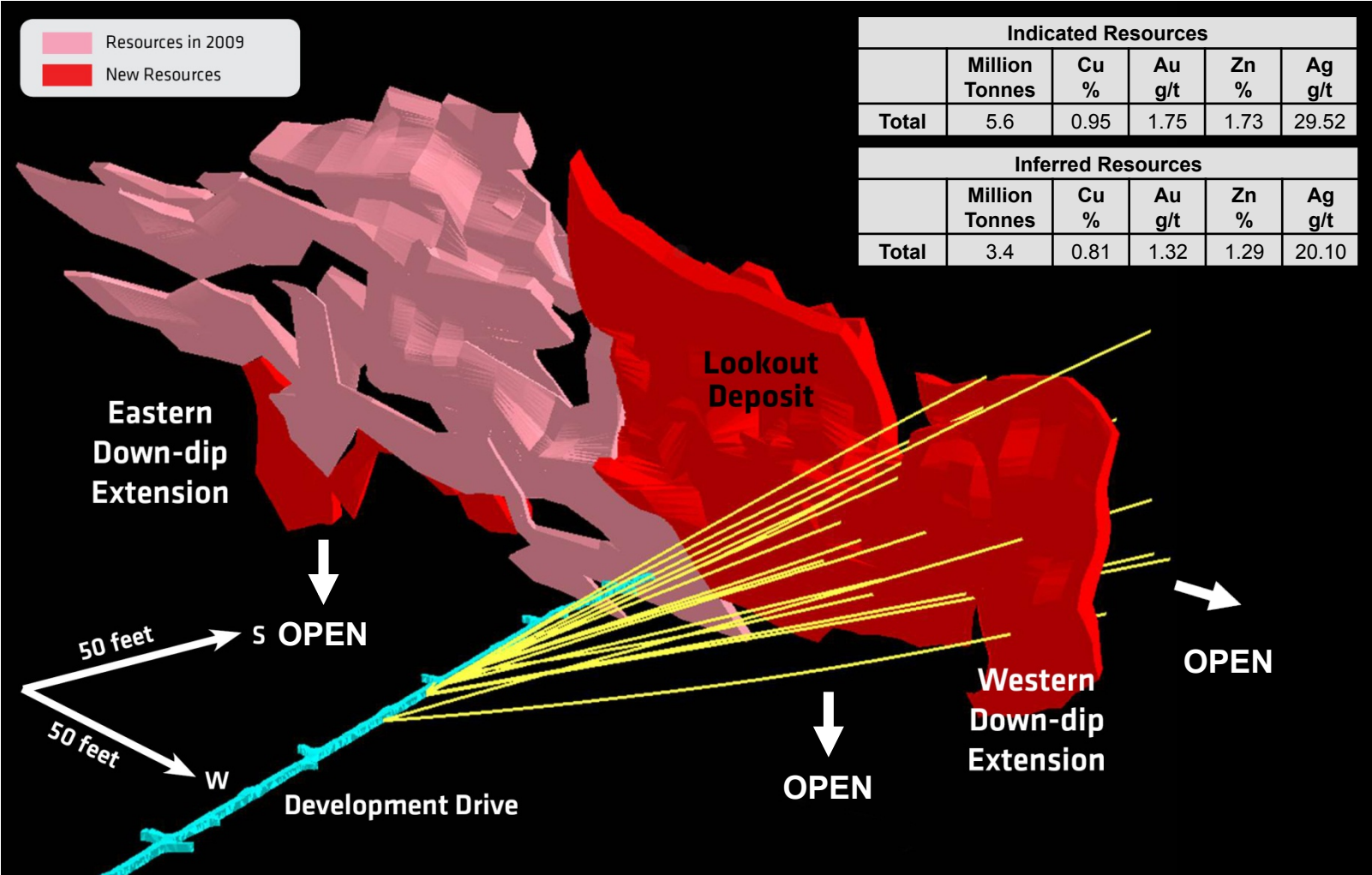
Except for statements of historical fact, this presentation contains certain “forward-looking information” within the meaning of applicable securities law. Forward-looking information is frequently characterized by words such as “plan”, “project”; “intend”, “believe”, “anticipate”, “estimate” and other similar words, or statements that certain events or conditions “may” or “will” occur. Forward-looking statements are based on the opinions and estimates of management at the date the statements are made, and are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those anticipated in the forward-looking statements. Factors that could cause actual results to differ materially from those in forward-looking statements include market prices for metals, the conclusions of detailed feasibility and technical analyses, lower than expected grades and quantities of mineralization and resources, mining rates recovery rates and the lack of availability of necessary capital, which may not be available to the Corporation on terms acceptable to it or at all, changes in and the effect of government policies with respect to mineral exploration and exploitation, uncertainties related to the ability to obtain necessary permits, licenses and title, and delays due to third party opposition, delays in exploration and development projects and the possibility of adverse developments in the financial markets generally. The Corporation is also subject to the specific risks inherent in the mining business as well as general economic and business conditions. The Corporation undertakes no obligation to update forward-looking information if circumstances or management’s estimates should change except as required by law. The reader is cautioned not to place undue reliance on forward-looking statements. More detailed information about potential factors that could affect financial results is included in the documents that may be filed from time to time with the Canadian securities regulatory authorities by the Corporation.

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“The securities of Heatherdale Resources Ltd. referenced herein have not been, and will not be, registered under the Securities Act of 1933, as amended, or under any state securities laws, and may not be offered or sold in the United States absent such registration or an exemption from registration.”

2009-2011: Added Value with Resource Growth



Note 1: US\$50 Net Smelter Return (NSR) cutoff uses long-term metal forecasts: gold US\$1,150/oz, silver US\$20.00/oz, copper US\$2.50/lb, and zinc US\$1.00/lb; Recoveries (used for all NSR calculations) to Cu concentrate of 95% Cu, 56% Au and 53% Ag with payable metal factors of 96.5% for Cu, 90.7% for Au, and 89.5% for Ag; to Zn concentrate of 93% Zn, 16% Au, and 24% Ag with payable metal factors of 85% for Zn, 80% for Au and 20% for Ag. Detailed engineering studies will determine the best cutoff.

Note 2: November 2011 estimates by Deon Van Der Heever, Pr. Sci. Nat., Hunter Dickinson Inc., a Qualified Person who is not independent of the Company.

Careers

- Mucker
- Geologist
- Mining Supervisor
- Mine Manager
- Blaster
- Welder
- Diesel Mechanic
- Secretary
- Clerk
- Payroll Clerk
- Accountant
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- Lawyer
- Human Resources
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- Technology Supervisor
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- Core Recorder
- Core Analyst
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- Storeman
- Environmental Technician
- Environmental Engineer
- Environmental Manager
- Surveyors
- Chemical Analysis Technician
- Paste Plant Operator
- Grout Machine Operator
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