



The Future

A New Dawn, A New Day

The Future Is Now: Mining Gold Without Moving a Rock

Non-Invasive Mineral Extraction Technology

March 2023

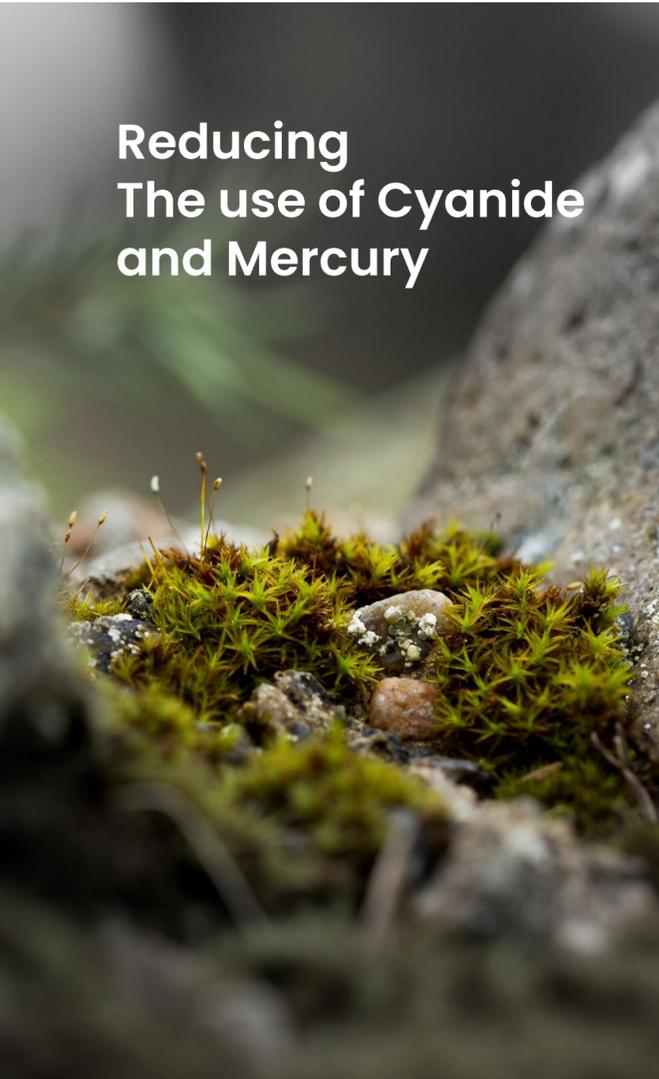
Cautionary Statement

Investors are cautioned that, except for statements of historical fact, certain information contained in this document includes “forward-looking information”, with respect to a performance expectation for Group 11 Technologies Inc., (the “Company”) Such forward-looking statements are based on current expectations, estimates and projections formulated using assumptions believed to be reasonable and involving a number of risks and uncertainties which could cause actual results to differ materially from those anticipated.

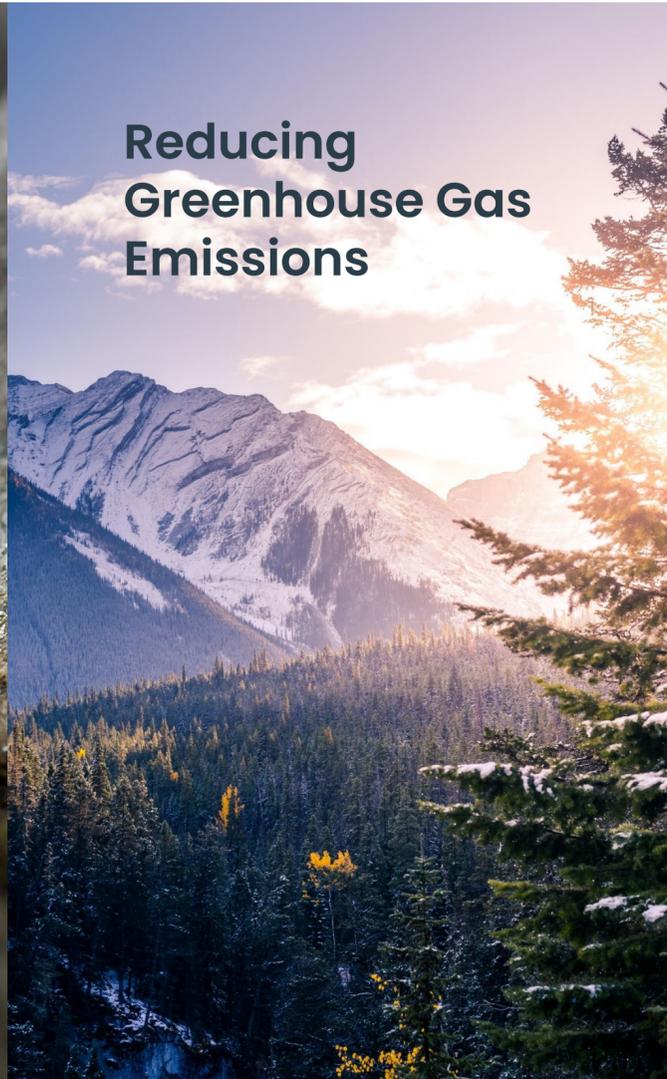
Such factors include, without limitation, fluctuations in foreign exchange markets, the price of commodities in both the cash market and futures market, changes in legislation, taxation, controls and regulations of national and local governments and political and economic developments in Canada and other countries where the Company carries-out or may carry-out business in the future, the availability of future business opportunities and the ability to successfully integrate acquisitions or operational difficulties related to technical activities of mining and reclamation, the speculative nature of exploration and development of mineral deposits located, including risks in obtaining necessary licenses and permits, reducing the quantity or grade of reserves, adverse changes in credit ratings, and the challenge of title.

The Company does not undertake an obligation to update publicly or revise any forward-looking statements or information, whether as a result of new information, future events or otherwise, unless so required by applicable securities laws.

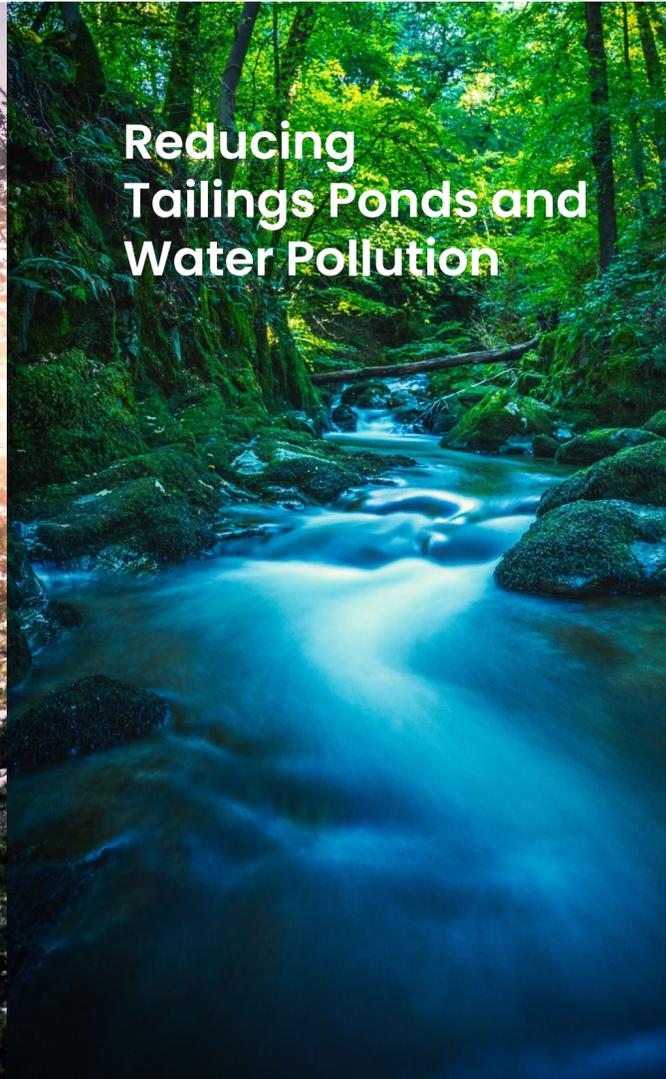
What if we could lower the impact of mining with environmental-friendly mineral extraction?



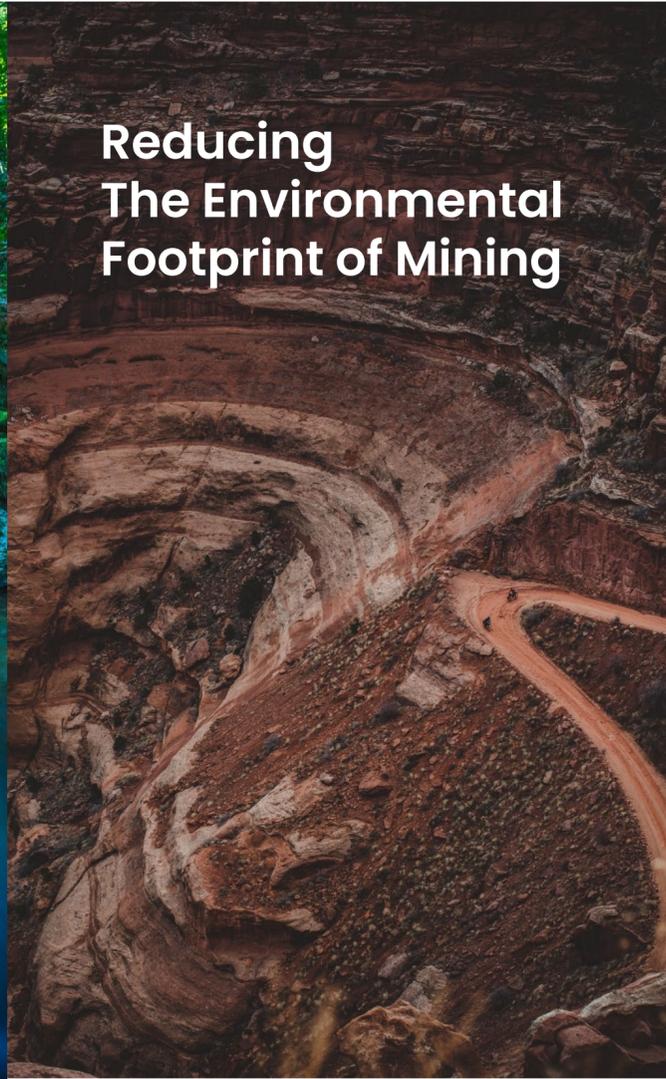
Reducing
The use of Cyanide
and Mercury



Reducing
Greenhouse Gas
Emissions



Reducing
Tailings Ponds and
Water Pollution



Reducing
The Environmental
Footprint of Mining



Working
Together with Local
Communities

Who we are

Group 11 Technologies is a private company working to revolutionize the concept of environmentally-friendly mineral extraction by combining two proven technologies:

- 'ISR' or 'in-situ recovery'
- eco-friendly water-based chemistry

Benefit: non-invasive mineral extraction that is environmentally friendly and economically viable.



The opportunity.

.01 First-to-market

Developing 'First to market' potential of environmentally friendly extraction technology in the gold sector followed by other metals.

.02 Proven application

Builds on proven application – Group 11 team proved the world's first successful field application of the eco-friendly water-based chemistry to recover gold from a sulfide concentrate using its Secondary Recovery Unit (SRU), replacing the need for a smelter.

.03 Environmental

Meeting environmental principles including stewardship, water usage, energy and climate change.



How Did We Get Here.

.01 Golden Predator (GP)

Builds Yukon's first bulk sample and test facility. Seeks to conduct local research, replace smelter process and test non-cyanide solutions.

.02 Field Test

GP and EnviroMetal conduct a first-in-the-world field test of a non-cyanide solution, replaces smelter process and creating pure green gold.

.03 Group 11 Formed

GP works with enCore, in-situ recovery experts from the uranium sector, to explore opportunity for application with other metals (gold as a first step).



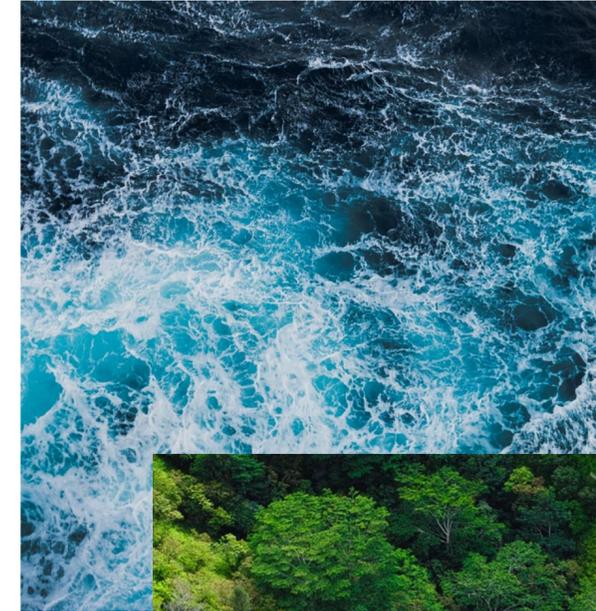
Capital Structure

Shares Issued and Outstanding	35,595,714
Options	1,480,000
Fully Diluted	37,075,714
Shareholders	
enCore Energy Corp.	12,000,000 (33.7%)
EnviroMetals Corp.	12,000,000 (33.7%)
Sabre Gold Corp.	6,000,000 (16.9%)



Who we are.

Board of Directors.



William M. Sheriff

Director

Founder and Executive Chairman of enCore Energy Corp, and co-founder of Group 11.

Duane Nelson

Director

Founder and Chief Executive Officer of EnviroMetal Technologies, and co-founder of Group 11.

David Morgan

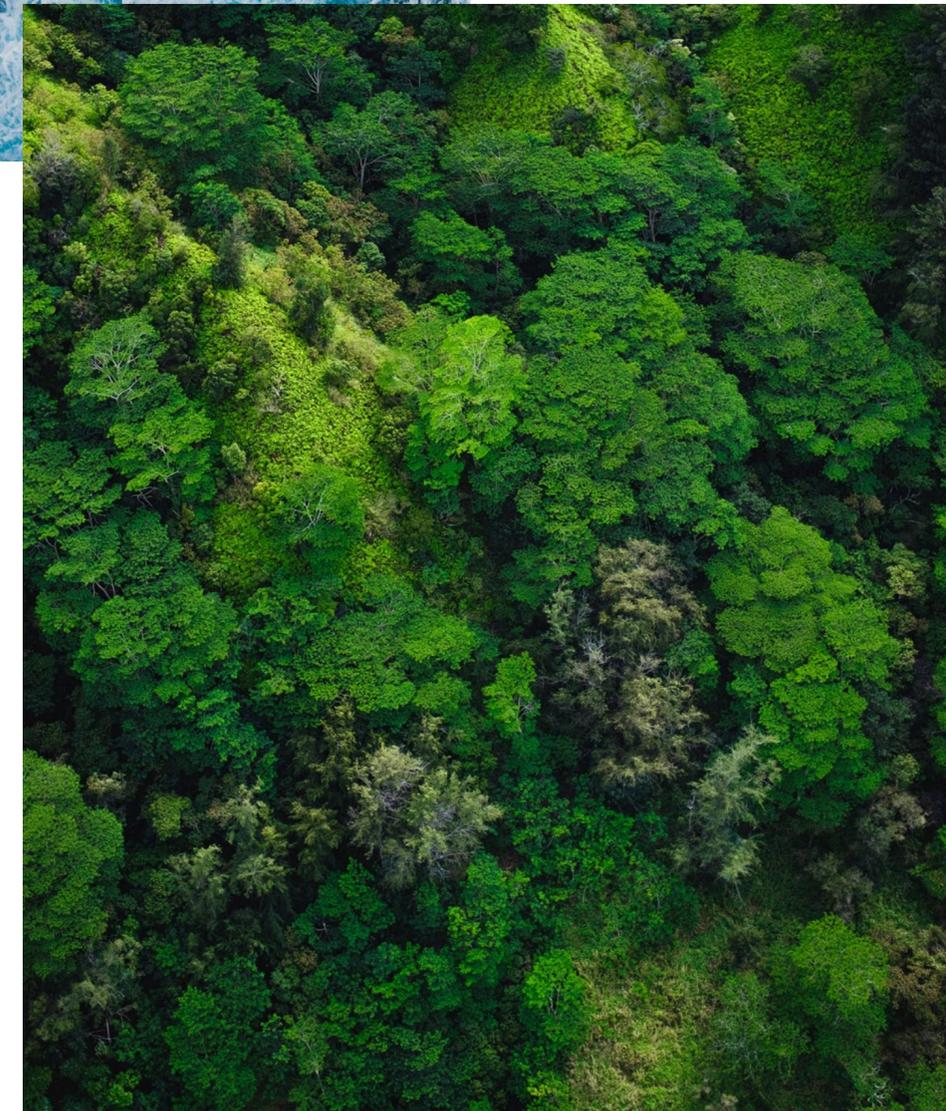
Director

Renowned precious metals analyst, he has appeared on media outlets including Fox Business, CNBC, Wall Street Journal and BNN Bloomberg.

Janet Lee-Sheriff

President & Director

Co-founder of Group 11, as former CEO of Golden Predator led the world's first on-site test of the ETI eco-friendly formula in an SRU.



Who we are.

Technical Team.

Dennis Stover, Ph.D.

Chief Technical Officer

Expert in ISR development, design and operation having co-invented original ISR applications and holder of six ISR patents.

Hanif Jafari, M.Sc.

Mineral Engineering & Mining

CTO at EnviroMetal, extensive experience in extractive metallurgy, hydrometallurgy and process design.

Guy Lewis

Explosives Engineering

Expert in advanced explosive design and application; rock mechanics and in-place rubblelization.

Mark Pelizza, M.Sc.

Geological Engineering

Expert in ISR permitting, application and operation with 40 years in the uranium industry.

Peter Poston, Ph.D.

Chemistry

Geologist and retired Professor of Chemistry led extensive research focused on environmental geochemistry, Laser Raman Spectroscopy, XRF and Nanotechnology.

Colin Craft

Materials Processing

Expert in materials handling, milling and metals processing. Pioneered first mill-site application of a secondary recovery unit (SRU) utilizing ETI's cyanide free gold recovery system.

Joseph Harrington

Graduate Research, Metallurgy

National award-winning expert in mine-related reclamation holding 6 patents on in-situ metal immobilization of metals in groundwater, pit-lakes, soils and disturbed rock.

Richard Cherry

Mechanical Engineering

40 years industry experience with expertise in ISR project evaluation, application made for patents related to ISR and drill technology.

Problem:

01. Cyanide & Mercury.

These industry standard chemicals are efficient and cost effective, generally well managed, but there are concerns about environmental impact and health safety.

02. Commodity Demand.

Green Energy demands only accelerate an already increasing global demand for metals.

03. Decreasing Quality.

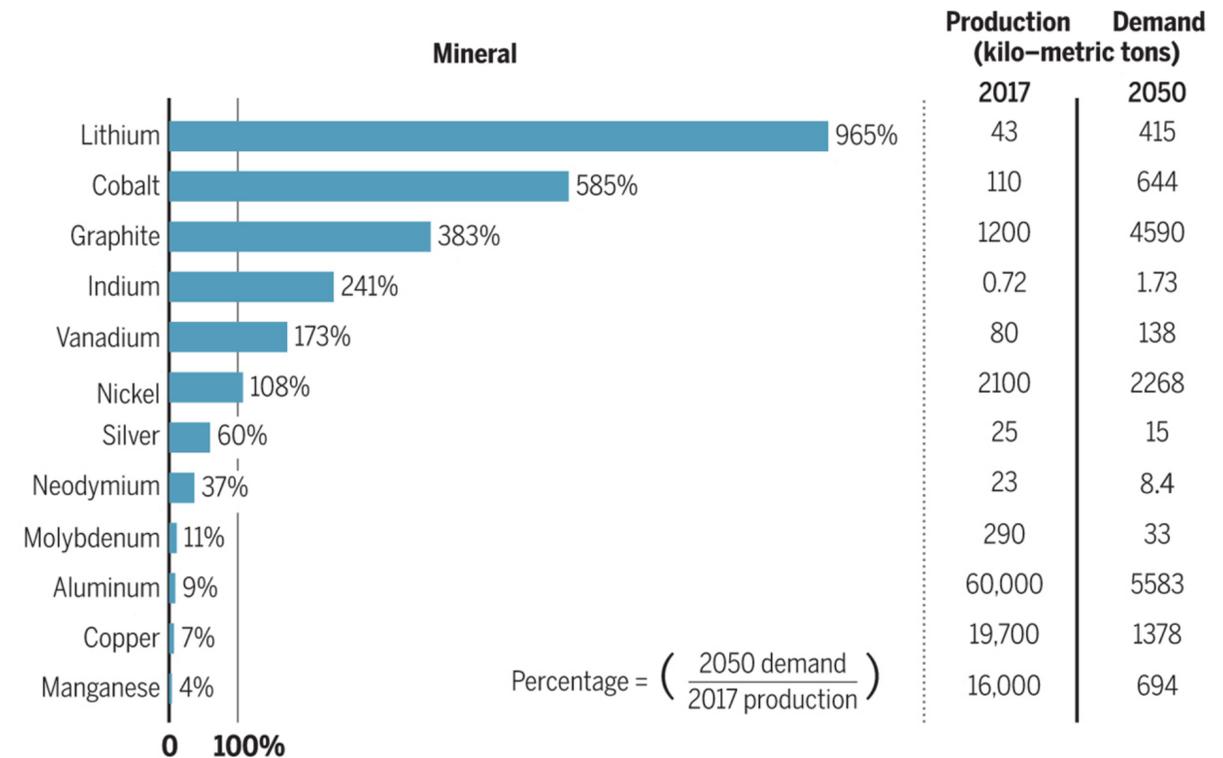
As demand increases and grades reduce, longer haul distances, higher waste ratios, expanding mine pits and waste piles, increasing environmental impact, CO₂ emissions and energy consumption.

The world demands metals and a clean environment.

Solution: Group 11 Technologies use of a recyclable eco-friendly solution and in-situ recovery to create non-invasive extraction.

GROWTH IN MINERAL NEEDS FOR LOW-CARBON ENERGY TECHNOLOGY.

All production and demand data reflect annual values. 2017 data reflect annual production for all users. 2050 data reflect estimated demand for only low-carbon energy technology users.



$$\text{Percentage} = \left(\frac{2050 \text{ demand}}{2017 \text{ production}} \right)$$

Problem:

01. CO₂ Emissions.

Globally 28,000 mine hauling trucks emit 68 million tons of CO₂/year – equivalent to the total greenhouse gas of Finland. Mineral processing (smelters etc.) is a significant contributor.

02. Water Use.

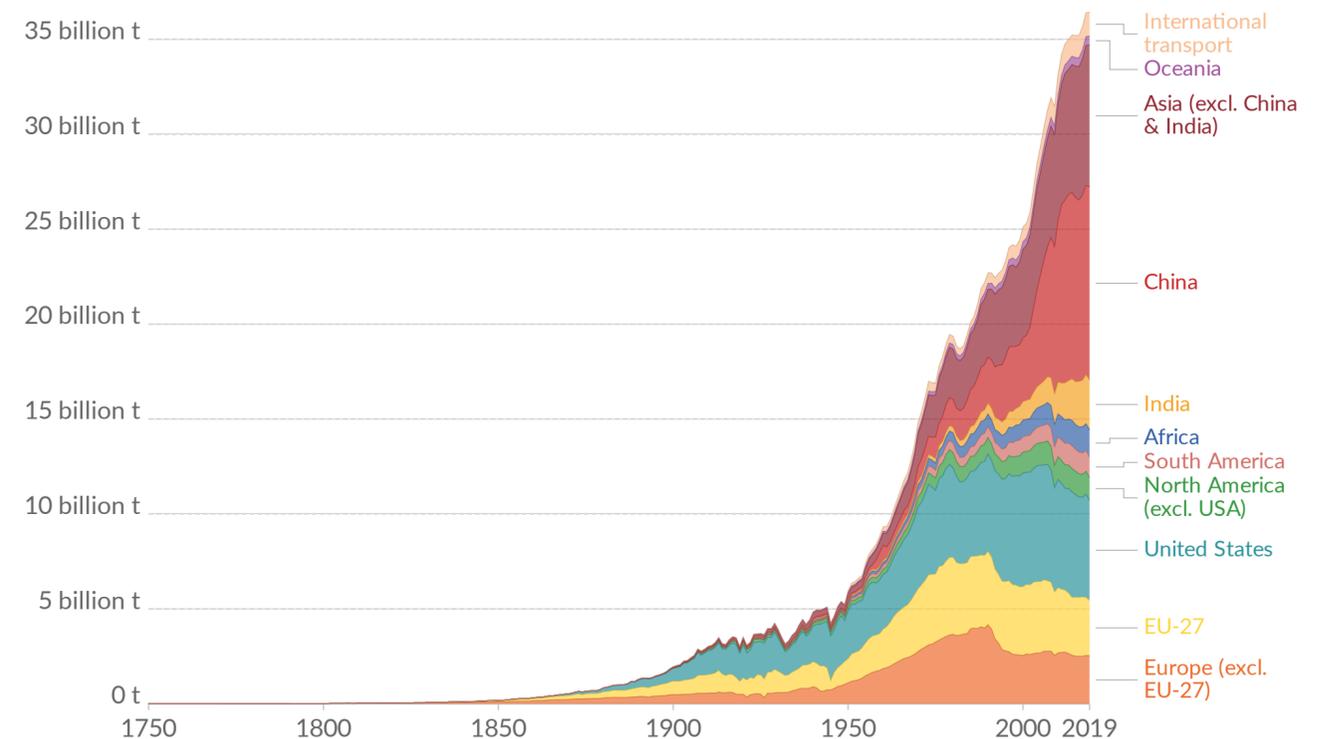
This expensive precious shared and finite resource is a growing source of conflict under increasing pressure to ensure access by all users. ISR uses significantly less water than conventional mining.

Source: Carbon Dioxide Information Analysis Center (CDIAC); Global Carbon Project (GCP)
Note: The difference between the global estimate and the sum of national totals is labeled "Statistical differences". OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY

Global annual total CO₂ emissions.

Solution: Group 11 Technologies' objective combines in-situ recovery with an eco-friendly water-based chemistry creating a closed loop system to minimize water use with a near net zero solution (eliminates mine trucks and reduces processing).

ANNUAL TOTAL CO₂ EMISSIONS, BY WORLD REGION



In 50 years of ISR in the uranium space in the US, there have been ZERO incidents of contamination to groundwater.

The challenges in the Mining industry.

.01 Environment.

Environmental concerns to address decarbonization in the sector, clean air technology, minimizing environmental footprints and water use.

.02 Demand.

Continually increasing demand for commodities and increasing costs (Increasing demand due to solar, wind and electric cars).

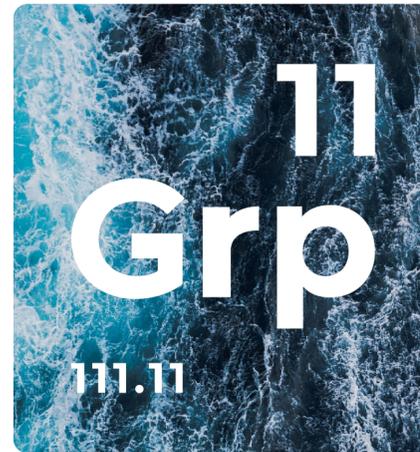
.03 Responsibility.

Demand from investors to be more environmentally and socially responsible.

“The global mining equipment market size was valued at USD 144.37 billion in 2019 and is expected to grow at a compound annual growth rate (CAGR) of 12.7% from 2020 to 2027.”

- Source: [grandviewresearch.com](https://www.grandviewresearch.com)





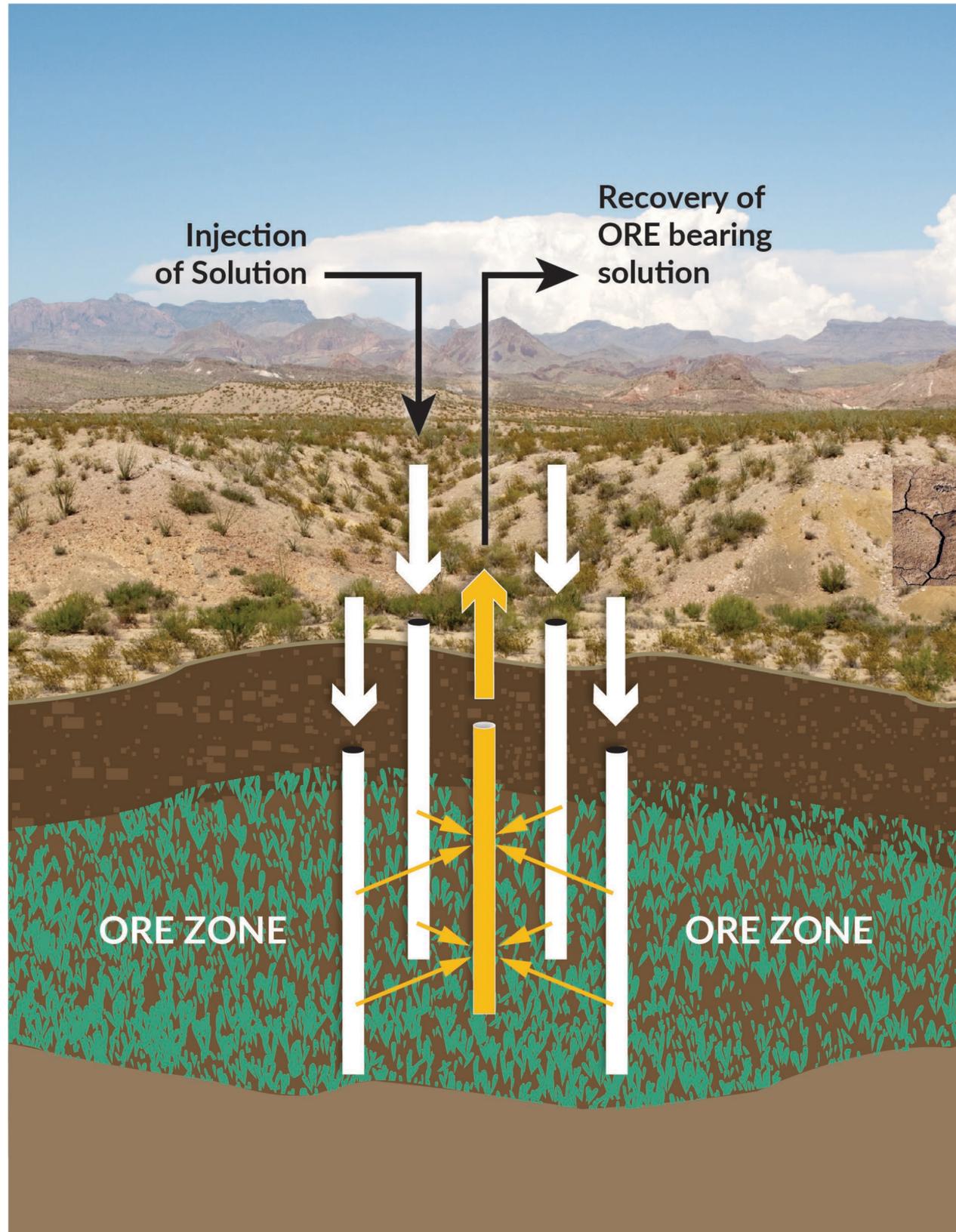
What we are doing to meet the challenge.

Changing the way the world recovers GOLD, and other metals, by combining in-situ recovery (in place mining) with an eco-friendly water-based chemistry.

- Committed to leading the development and application of environmentally and socially responsible mineral extraction
- Provide an alternate solution to conventional open pit and underground mineral extraction
- Provide an alternative to conventional mills & smelters for mineral processing

The Group 11 competitive advantage

Combining two proven technologies.



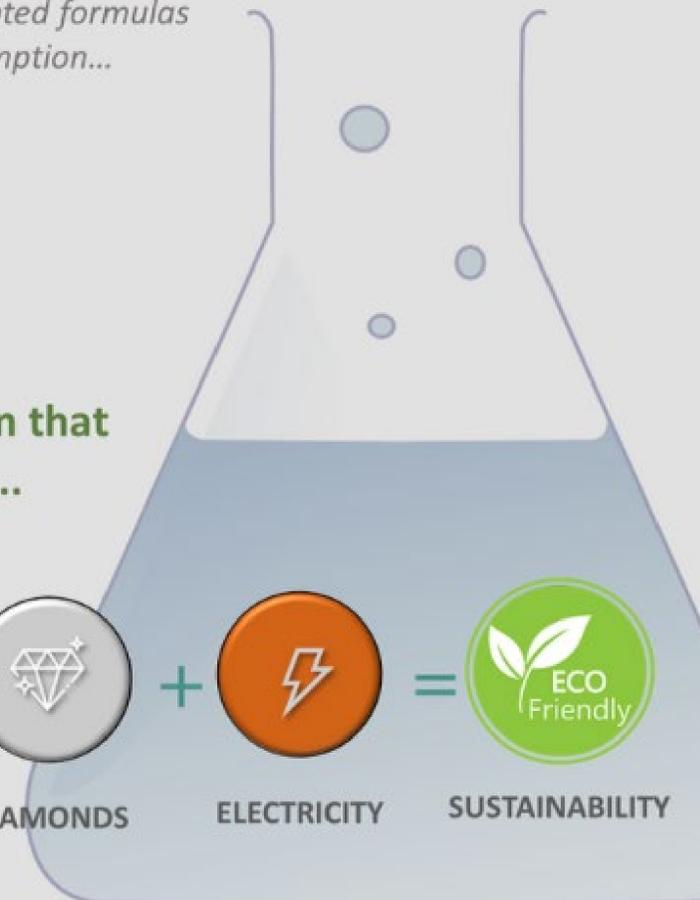
THE **RIGHT** CHEMISTRY

How Environmentally Friendly?

All ingredients in EnviroLeach's patented formulas are **FDA approved** for human consumption...



A simple chemical equation that solves a complex problem...



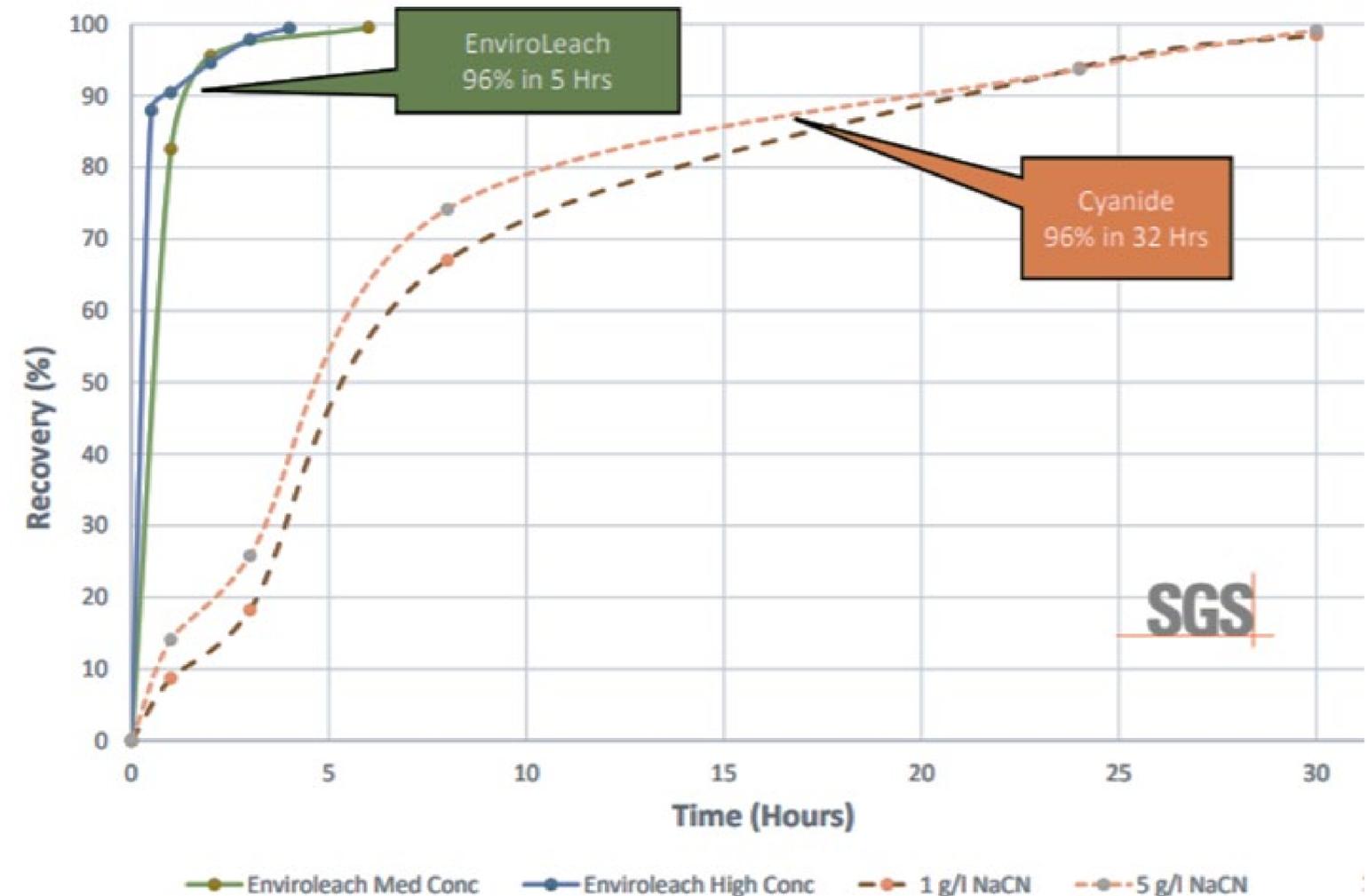
Non-cyanide chemistry.

EnviroMetal Technologies provides Group 11 exclusive license for its water-based chemistry for ISR and SRU development and application. EnviroMetal has strong intellectual property rights and patents.

	CYANIDE	ENVIROMETAL
High gold recoveries	●	●
Fast leach kinetics	●	●
Environmentally safe & sustainable	○	●
Safe to handle & transport	○	●
Socially acceptable	○	●
No potential for dangerous off-gassing	○	●
No Dangerous waste-water effluent	○	●
Functions in the presence of copper	○	●
Has potential for In-Situ gold recovery	○	●



EnviroMetal vs. Cyanide



In-Situ Recovery (ISR)



In-Situ Recovery Operation

Conventional Mining

Economic and safety advantages of In-Situ Recovery

ADVANTAGES OF ISR	CONVENTIONAL MINING	IN-SITU RECOVERY
Lower Operating Costs	●	●
Lower Capital Costs	●	●
Flexible Mine Planning	●	●
Smaller Workforce	●	●
Short Lead Time for Mine Development	●	●
Safer Work Environment	●	●
Reduced Site Disturbance & Reclamation Costs	●	●
Accelerated Permitting Timelines	●	●



Reverse Osmosis Units

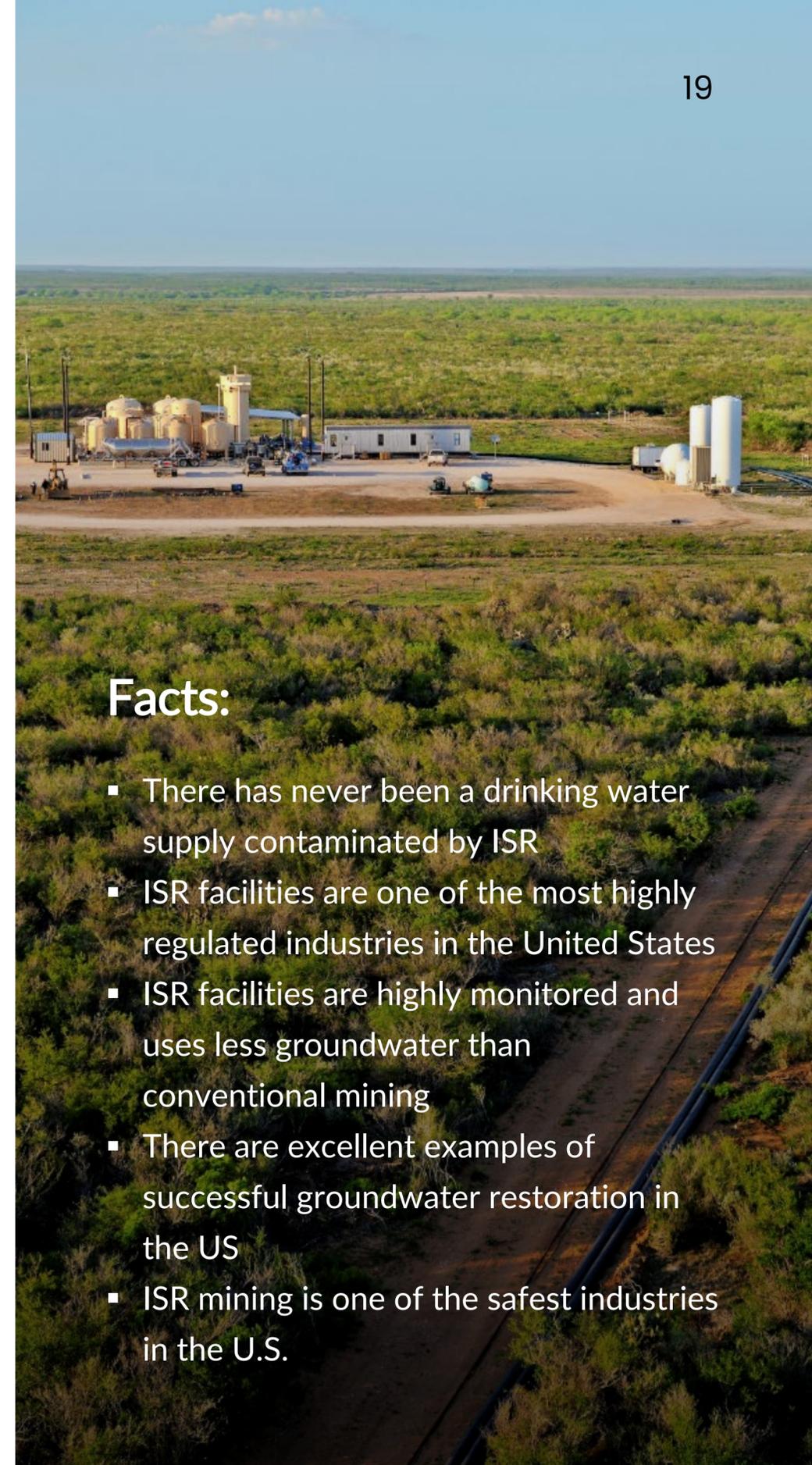
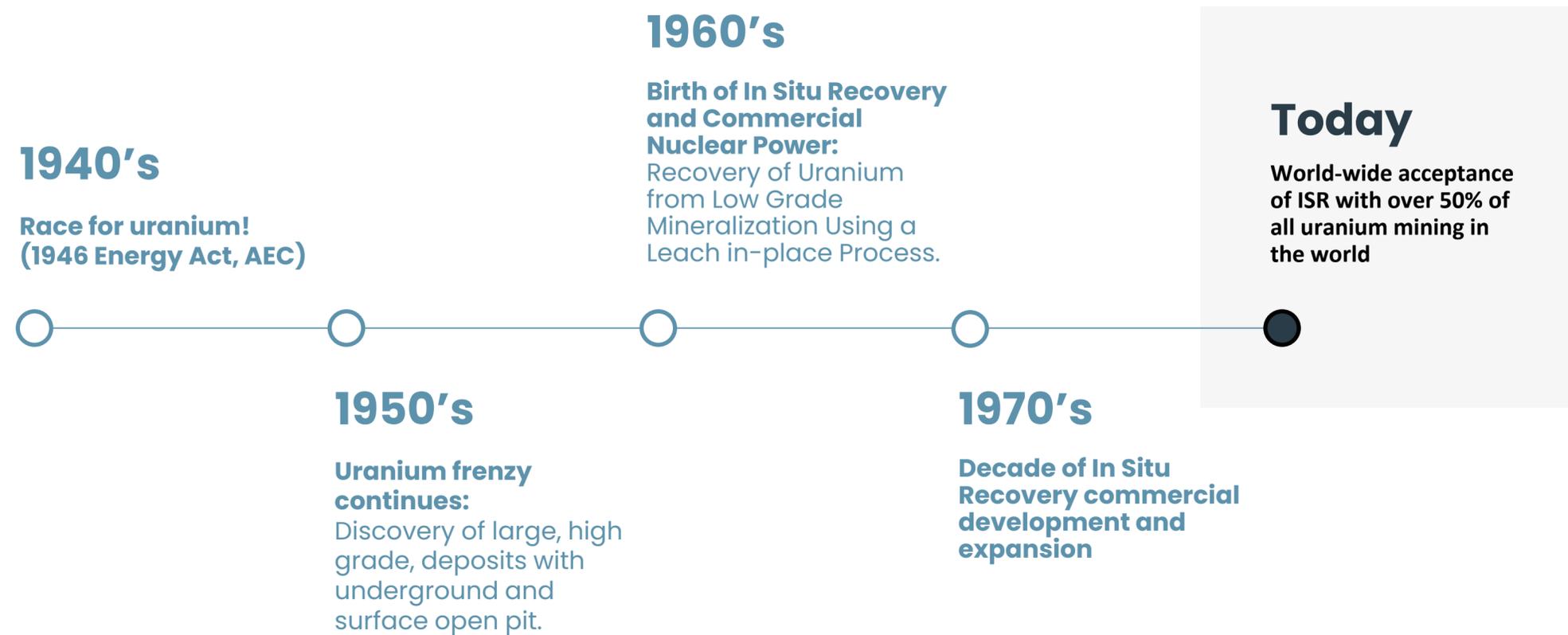
Environmental Advantages of In-Situ Recovery

ENVIRONMENT ADVANTAGES OF ISR	CONVENTIONAL MINING	IN-SITU RECOVERY
Fast Leaching Kinetics	●	●
Surface Disturbances Temporary	●	●
Minimal Consumption use of Water	●	●
No Solid Mine Waste	●	●
No Mill Tailings	●	●
No Dust Mining	●	●
No Dust from Tailings	●	●
Minimal Local Social Impact (small labor force)	●	●



Wyoming ISR Facility

History of In-Situ Recovery In the US.



Facts:

- There has never been a drinking water supply contaminated by ISR
- ISR facilities are one of the most highly regulated industries in the United States
- ISR facilities are highly monitored and uses less groundwater than conventional mining
- There are excellent examples of successful groundwater restoration in the US
- ISR mining is one of the safest industries in the U.S.

Does it work?

Proven success with 1st in the world field testing:
The SRU (Secondary Recovery Unit)



SRU in
operation

.01 Step

Partner Sabre Gold (previously Golden Predator) developed and operated the mobile SRU in Canada's Yukon to replace the cyanide and smelter processes, create local solutions.

.02 Step

Utilized the EnviroMetal (ETI) water-based chemistry as a safe, recyclable, environmentally friendly alternative for gold leaching (cyanide-free).

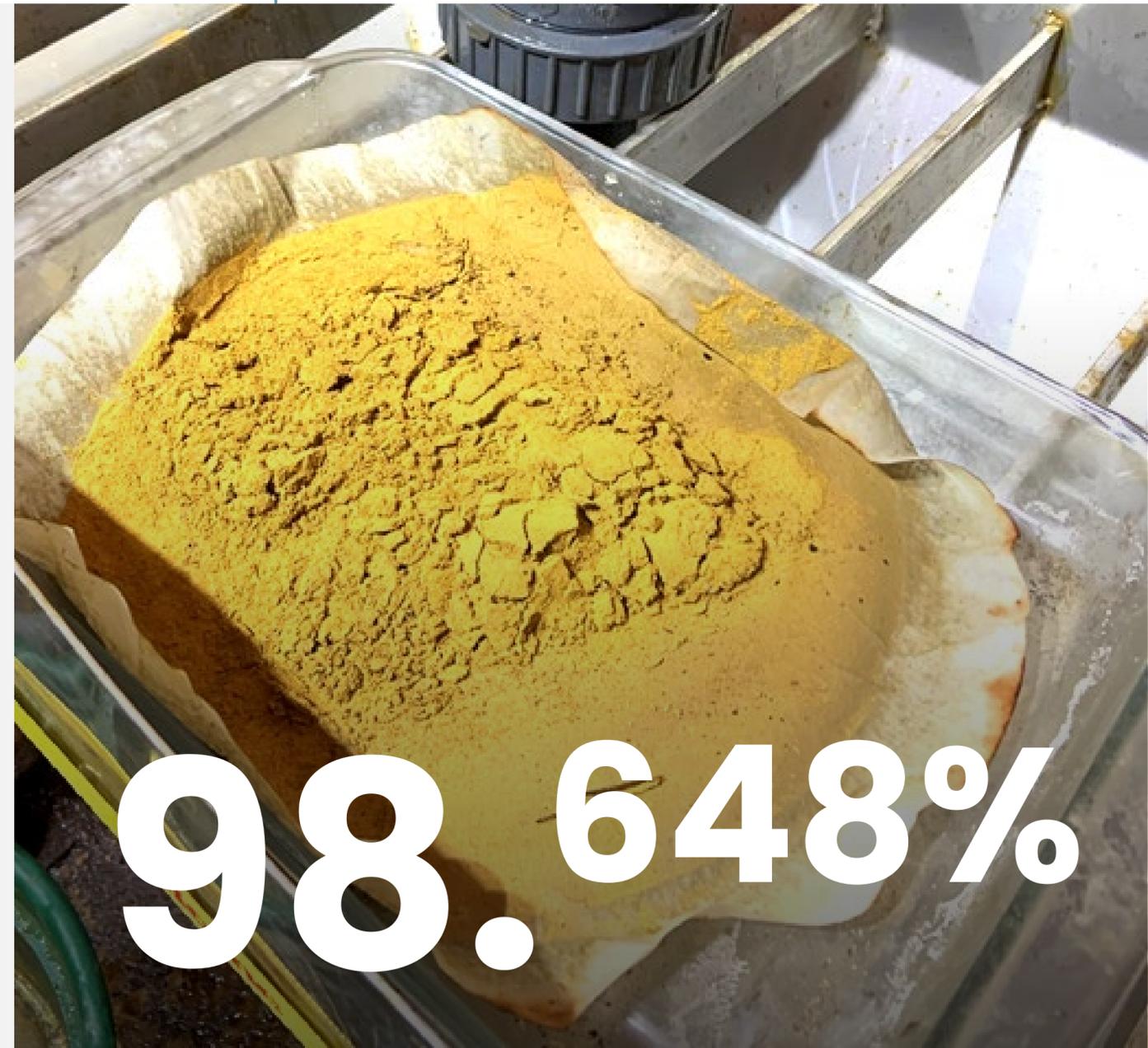
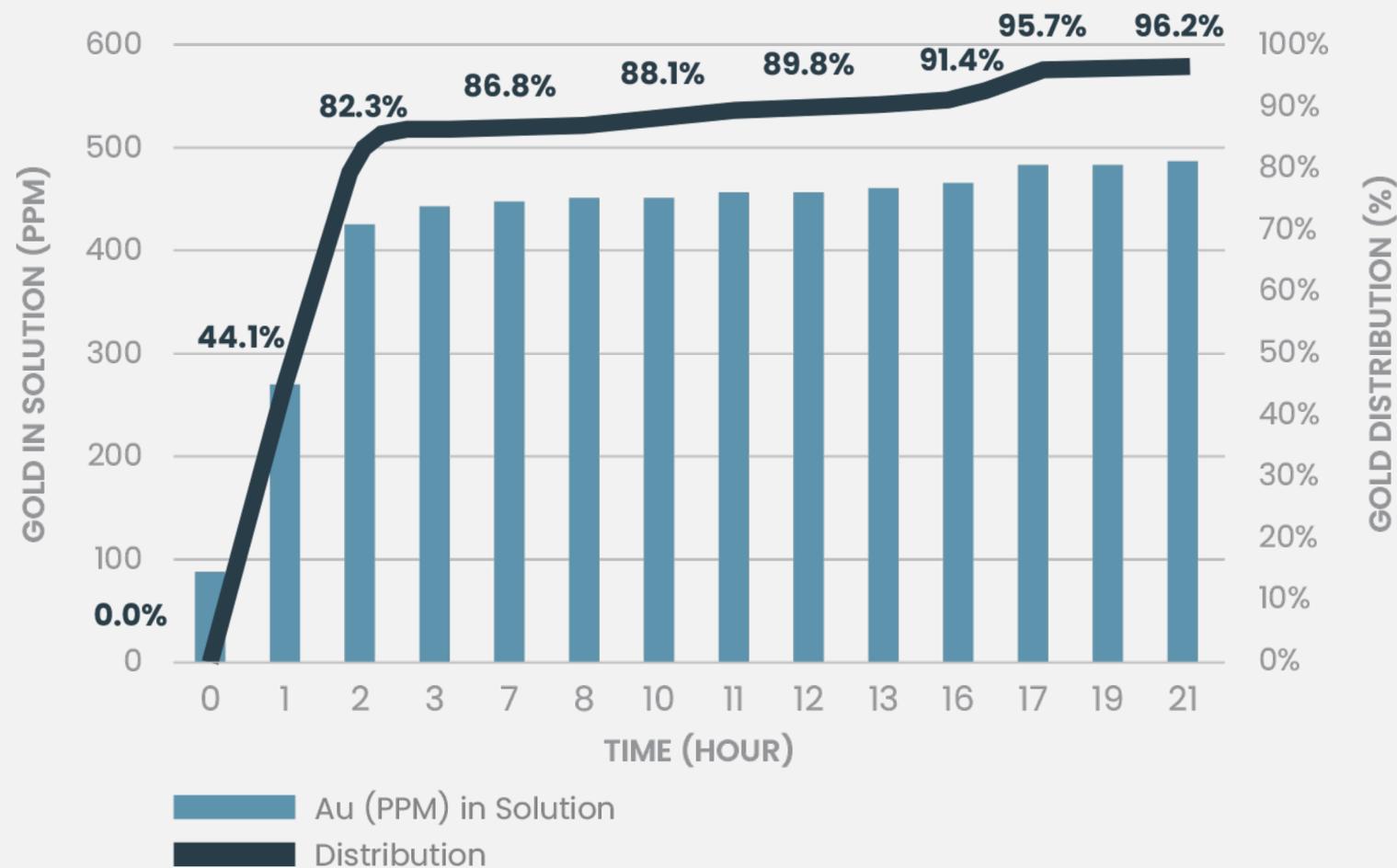
.03 Step

Completed 11 site tests utilizing the same ETI formula; results led to formation of Group 11.

Safe, Environmentally-friendly gold leaching utilizing EnviroMetal Technologies Inc. cyanide-free solution.

Gold Sludge from Electrowinning Cell Assayed @ 98.648% **Gold**

Leach Recovery Test #2



98.648%



.01 Benefit

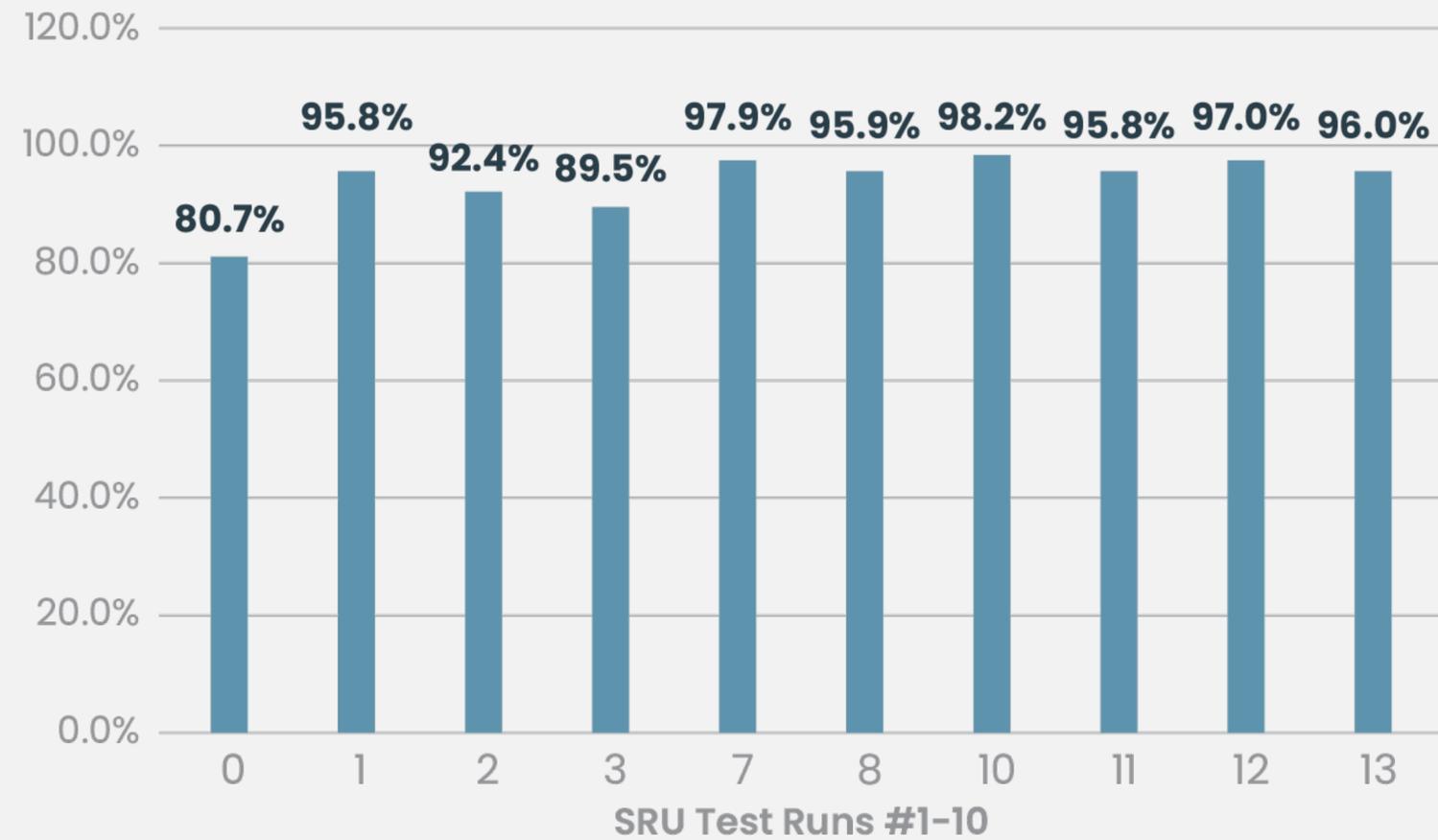
Leach kinetics similar to, or exceeding that of, cyanidation (ore dependant)

.02 Benefit

Portable SRU
capacities scalable

SRU 100% green
gold bar.

Total Recoveries



Testing Existing Drill Core Material

1st test project

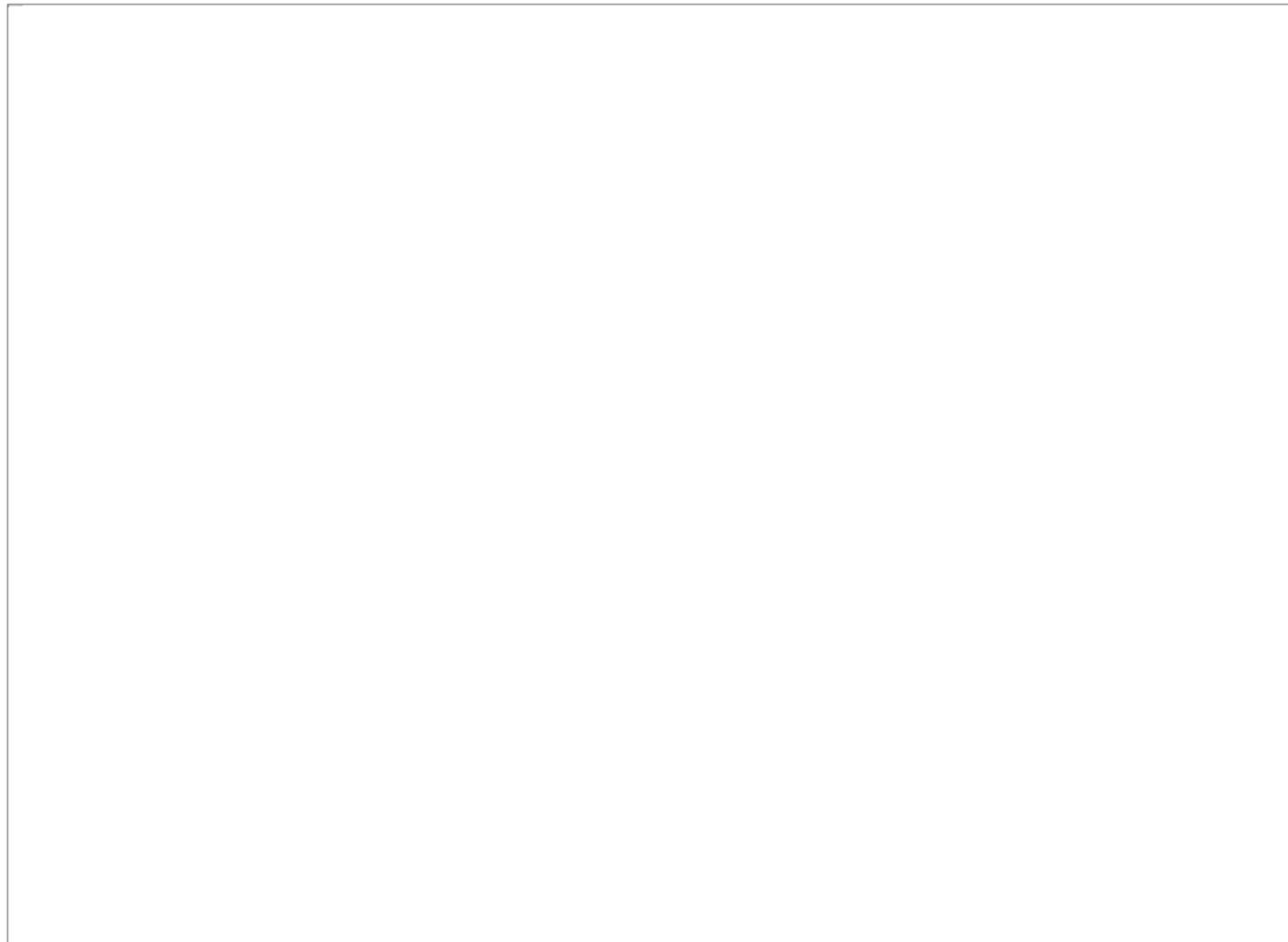
With the selection of the first test project Group 11:

- Conducted testing over a wide variety of parameters based on a comprehensive characterization of the site, the mineralization and environmental setting
- Successful completed laboratory testing of drill core to determine amenability to gold extraction from the eco-friendly water-based chemistry
- Established Large diameter drill program (2023) for additional test material
- Conducting a full assessment of ISR potential
- Next steps include securing fresh core material to test solvent and ISR amenability



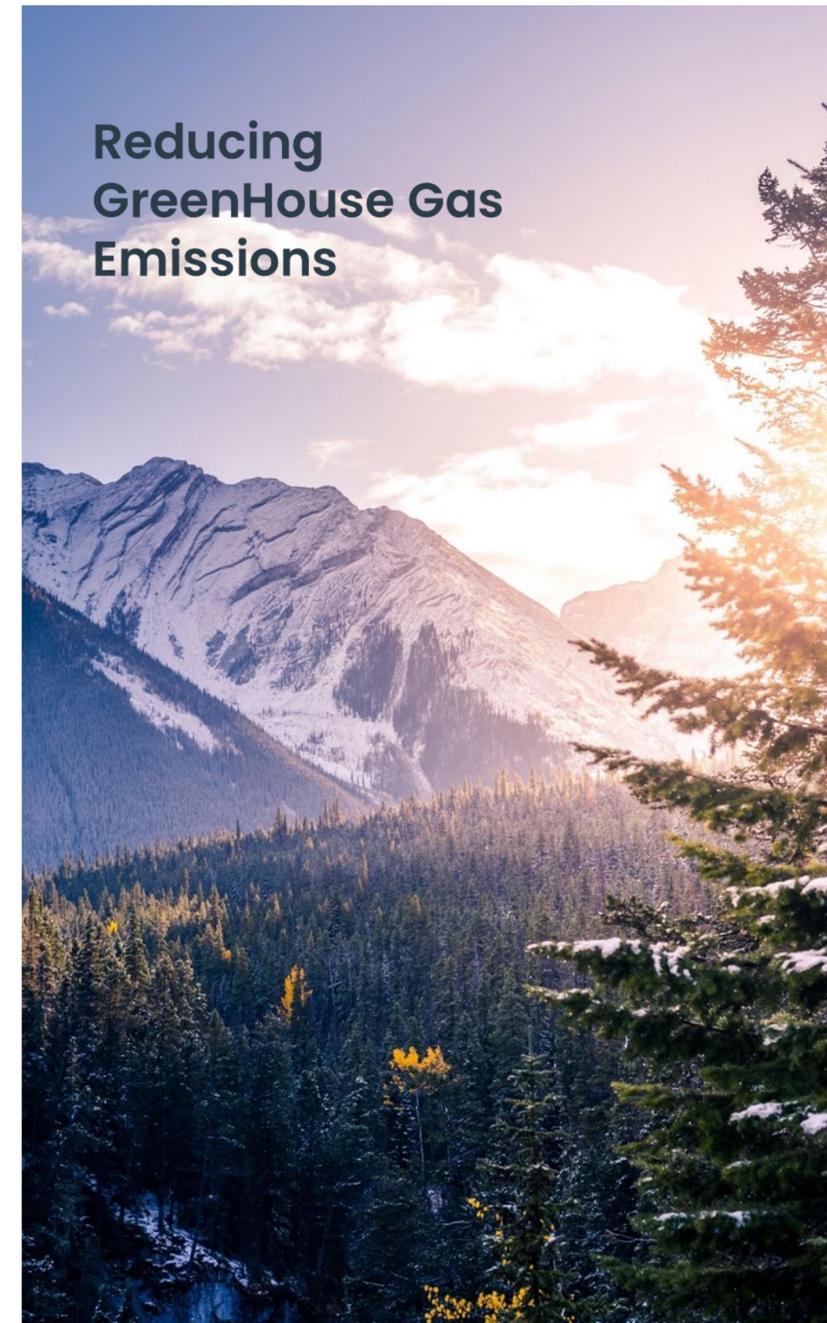
Phase I: Completed

Uncrushed Sample Testing Results



Recovery Curves of Uncrushed Half-Core Leach Testing

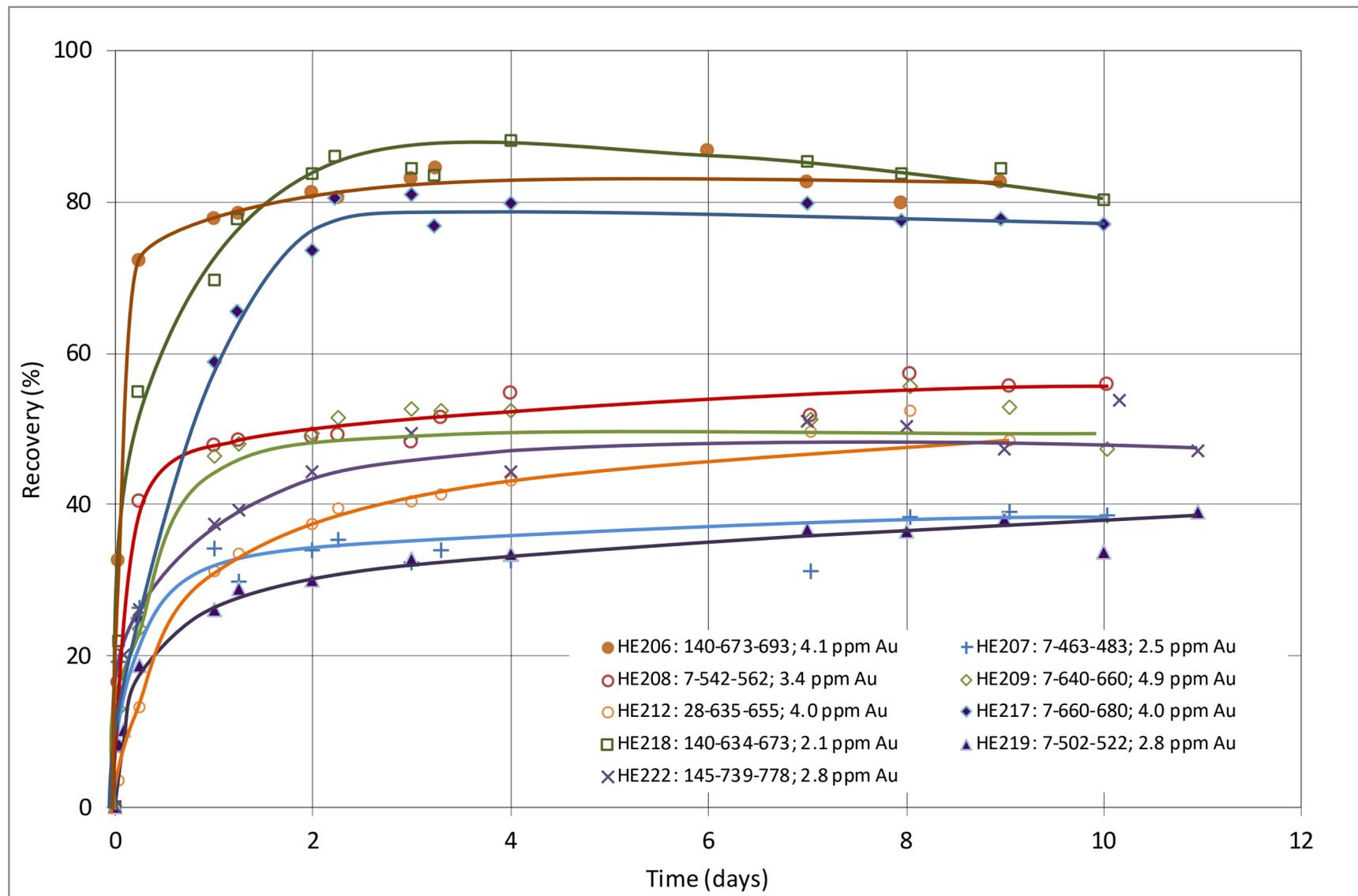
The half core samples were leached whole and uncrushed in ETI's lixiviant at 28% - 45% pulp density for 22 to 92 days, at a neutral pH, to investigate gold recovery for ISR application. Gold recoveries ranged from 15.9% to 77.5%, averaging 48.2%. These samples were tested whole without crushing to more closely emulate expected results from an ISR environment.



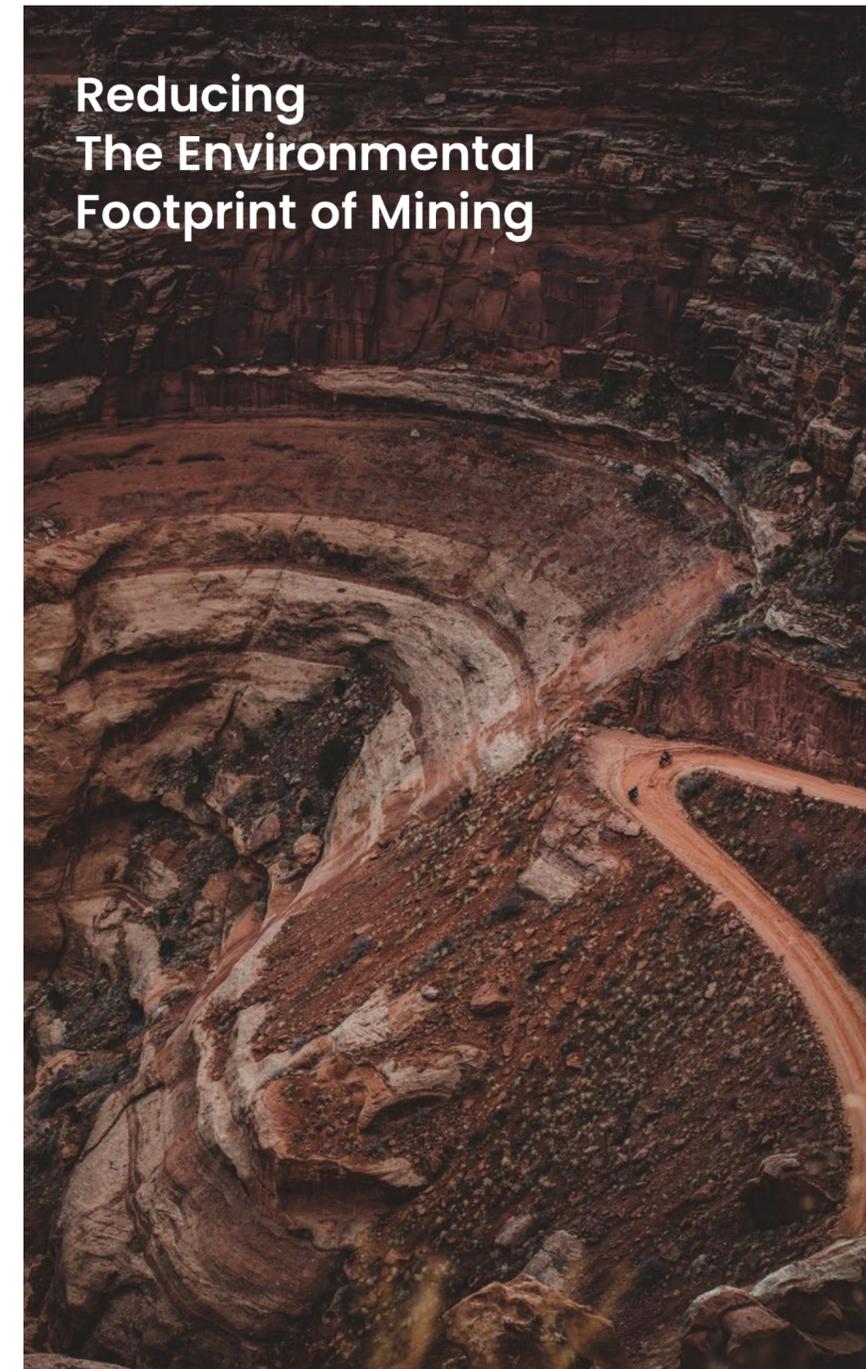
Phase I

Bottle Roll Testing Results

The rock samples were crushed to -2.5 mm and tested via bottle roll methodology with ETI's lixiviant at 30% pulp density for 9 to 28 days at a neutral pH to investigate gold recovery. Gold recoveries ranged from 38.3% to 89.5%, averaging 61.4%. Leaching with the bottle roll on crushed material provided faster kinetics and higher recoveries, as would be expected, due to the increased surface area exposed to the solution.



Recovery Curves of Bottle Roll Testing



Reducing
The Environmental
Footprint of Mining

Other opportunities

Periodic Table of the Elements

1 H Hydrogen 1.01																	2 He Helium 4.00
3 Li Lithium 6.94	4 Be Beryllium 9.01											5 B Boron 10.81	6 C Carbon 12.01	7 N Nitrogen 14.01	8 O Oxygen 16.00	9 F Fluorine 19.00	10 Ne Neon 20.18
11 Na Sodium 22.99	12 Mg Magnesium 24.31											13 Al Aluminum 26.98	14 Si Silicon 28.09	15 P Phosphorus 30.97	16 S Sulfur 32.06	17 Cl Chlorine 35.45	18 Ar Argon 39.95
19 K Potassium 39.10	20 Ca Calcium 40.08	21 Sc Scandium 44.96	22 Ti Titanium 47.88	23 V Vanadium 50.94	24 Cr Chromium 51.99	25 Mn Manganese 54.94	26 Fe Iron 55.85	27 Co Cobalt 58.93	28 Ni Nickel 58.69	29 Cu Copper 63.55	30 Zn Zinc 65.38	31 Ga Gallium 69.72	32 Ge Germanium 72.63	33 As Arsenic 74.92	34 Se Selenium 78.97	35 Br Bromine 79.90	36 Kr Krypton 83.80
37 Rb Rubidium 85.47	38 Sr Strontium 87.62	39 Y Yttrium 88.91	40 Zr Zirconium 91.22	41 Nb Niobium 92.91	42 Mo Molybdenum 95.95	43 Tc Technetium 98.91	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.91	46 Pd Palladium 106.42	47 Ag Silver 107.87	48 Cd Cadmium 112.41	49 In Indium 114.82	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.6	53 I Iodine 126.90	54 Xe Xenon 131.29
55 Cs Cesium 132.91	56 Ba Barium 137.33	57-71 Lanthanides	72 Hf Hafnium 178.49	73 Ta Tantalum 180.95	74 W Tungsten 183.85	75 Re Rhenium 186.21	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.97	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.20	83 Bi Bismuth 208.98	84 Po Polonium [208.98]	85 At Astatine 209.98	86 Rn Radon 222.02
87 Fr Francium 223.02	88 Ra Radium 226.03	89-103 Actinides	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [269]	109 Mt Meitnerium [278]	110 Ds Darmstadtium [281]	111 Rg Roentgenium [280]	112 Cn Copernicium [285]	113 Nh Nihonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [289]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]
			57 La Lanthanum 138.91	58 Ce Cerium 140.12	59 Pr Praseodymium 140.91	60 Nd Neodymium 144.24	61 Pm Promethium 144.91	62 Sm Samarium 150.36	63 Eu Europium 151.96	64 Gd Gadolinium 157.25	65 Tb Terbium 158.93	66 Dy Dysprosium 162.50	67 Ho Holmium 164.93	68 Er Erbium 167.26	69 Tm Thulium 168.93	70 Yb Ytterbium 173.06	71 Lu Lutetium 174.97
			89 Ac Actinium 227.03	90 Th Thorium 232.04	91 Pa Protactinium 231.04	92 U Uranium 238.03	93 Np Neptunium 237.05	94 Pu Plutonium 244.06	95 Am Americium 243.06	96 Cm Curium 247.07	97 Bk Berkelium 247.07	98 Cf Californium 251.08	99 Es Einsteinium [254]	100 Fm Fermium 257.10	101 Md Mendelevium 258.10	102 No Nobelium 259.10	103 Lr Lawrencium [262]

Alkali Metal

Alkaline Earth

Transition Metal

Basic Metal

Metalloid

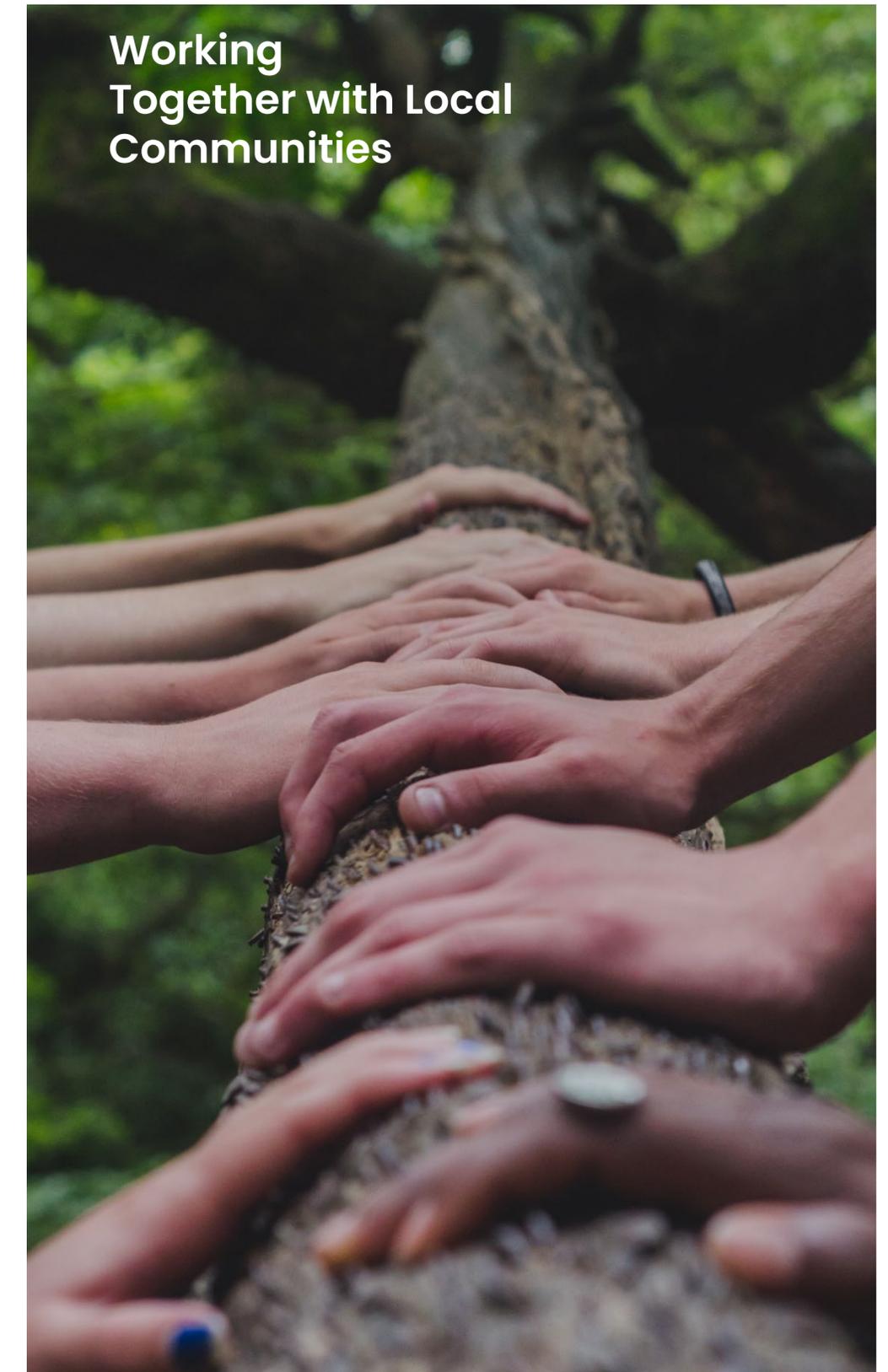
Nonmetal

Halogen

Noble Gas

Lanthanide

Actinide





The Right Time, The Right Place, The Right People.

GROUP 11 TECHNOLOGIES INC.

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Group 11 is a group of elements in the periodic table, also known as the coinage metals, consisting of copper (Cu), silver (Ag), and gold (Au). They were most likely the first three elements discovered

