

A New Day Day

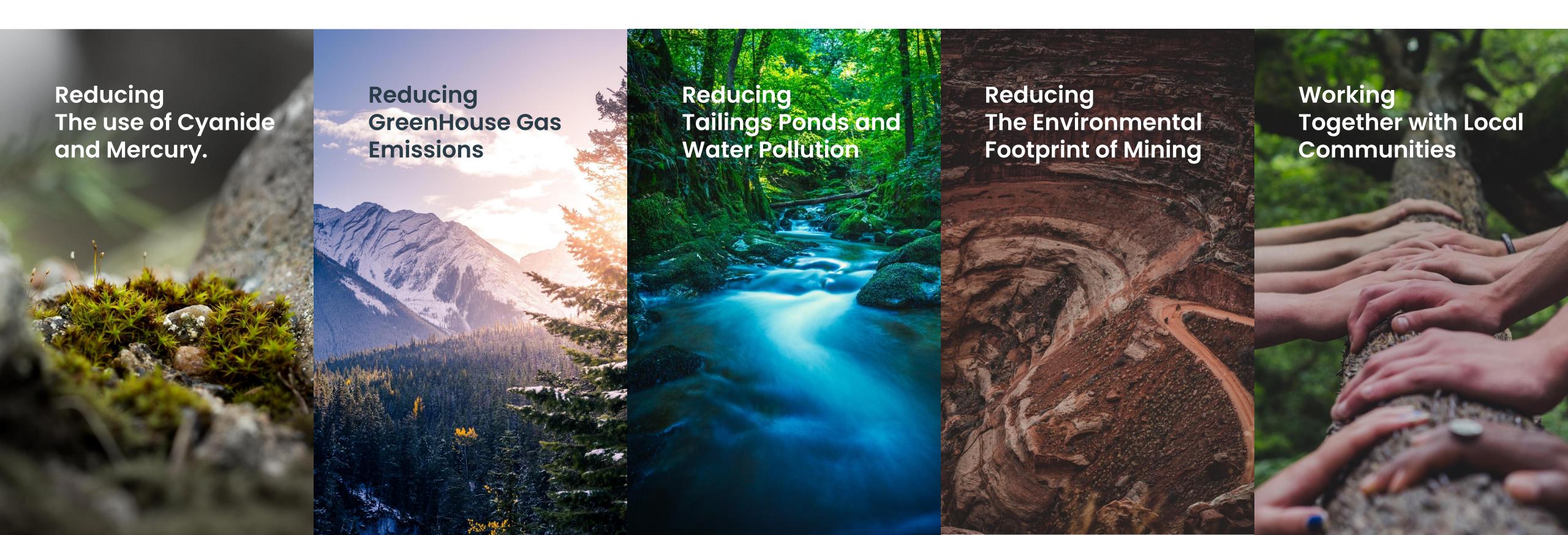
The Future Is Now: Mining Gold Without Moving a Rock

Non-Invasive Mineral Extraction Technology

March 2022



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



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.





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 rubblization.

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 insitu 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.





What we are doing to meet the challenge.

Changing the way the world recovers GOLD 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

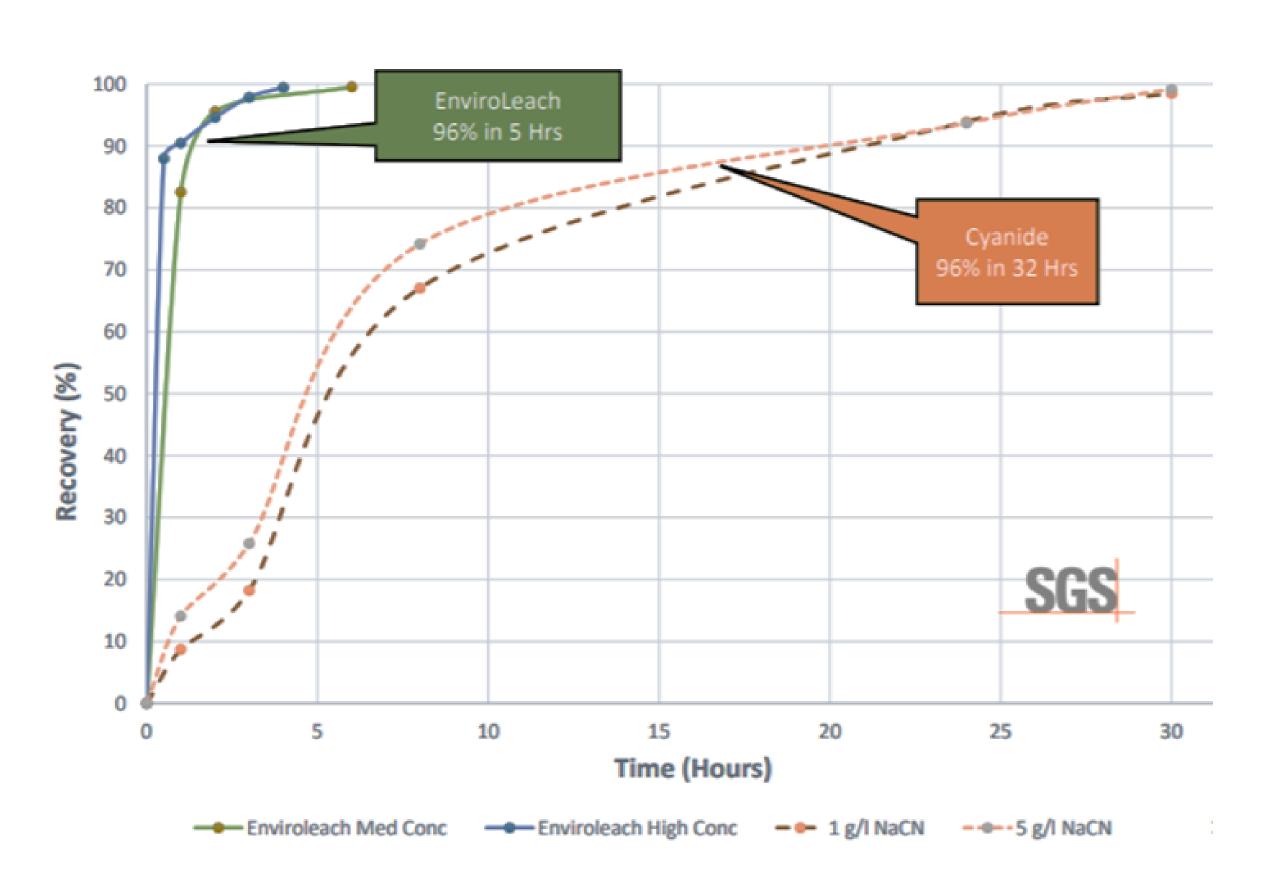
Non-cyanide chemistry.

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

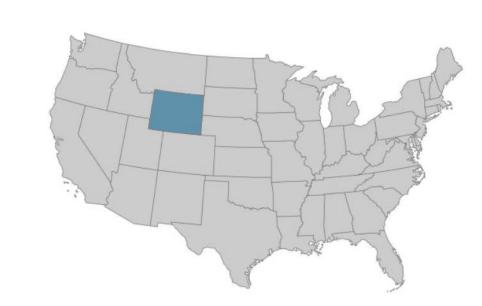
Conventional Mining

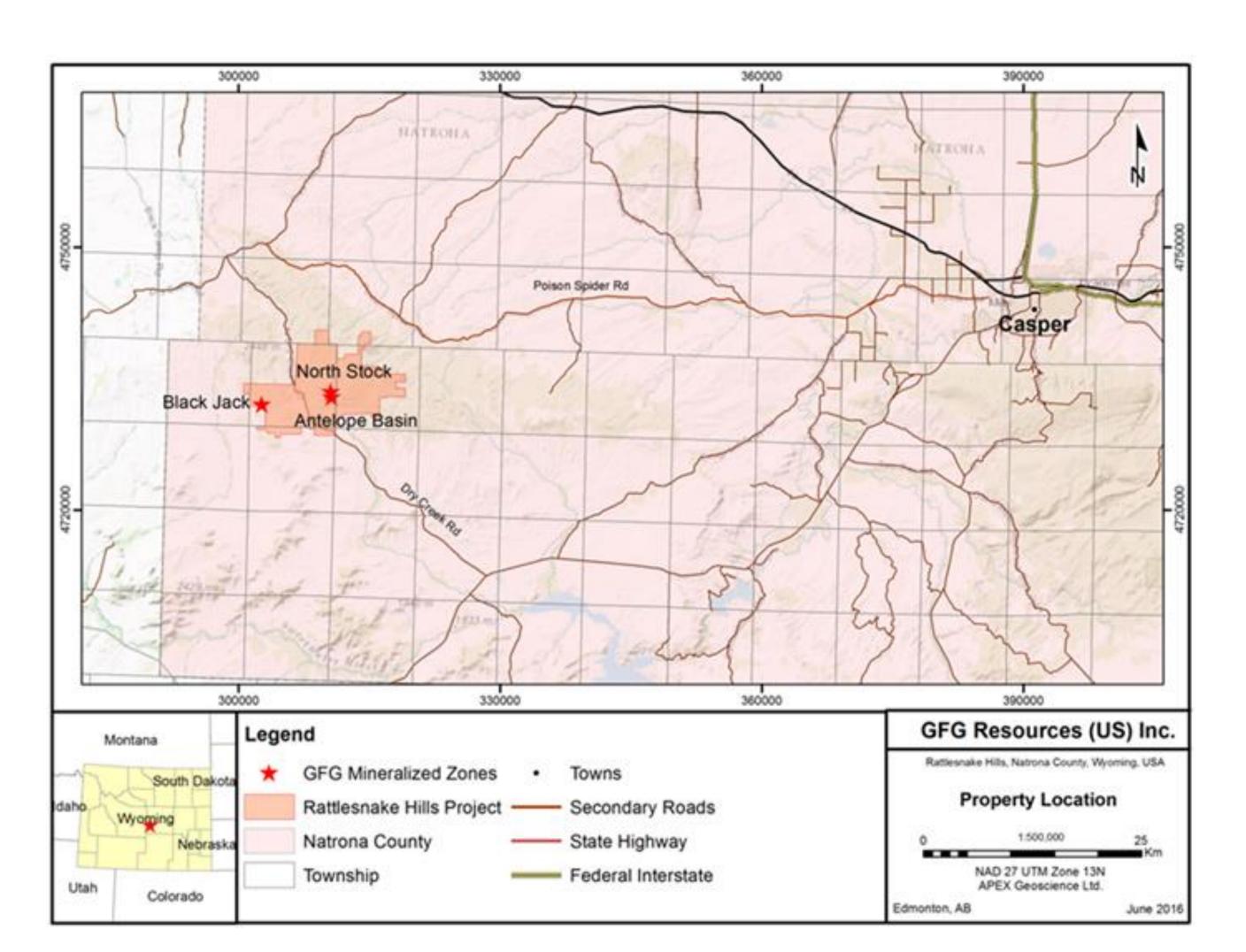


1st Test Project

Why Rattlesnake Hills, WY

- WY is rated as one of the top mining jurisdiction in the U.S.
 (coal, uranium, trona, oil & gas)
- WY regulators understand & effectively legislate ISR better than anywhere else in the U.S.
- Gold grades throughout the project vary from low to high,
 allowing for testing various grades response to the ISR process
- Significant drilling (over \$40MM USD) and investment has established gold occurs in a variety of geological settings, allowing for testing of various styles of mineralization
- Gold occurs across a large physical area allowing for testing under various conditions & through several rock types & chemistries
- Gold occurs under relatively accessible topography, an important consideration for wellfield development







1st Test Project

Rattlesnake Hills, WY

With the selection of the first test project Group 11 is:

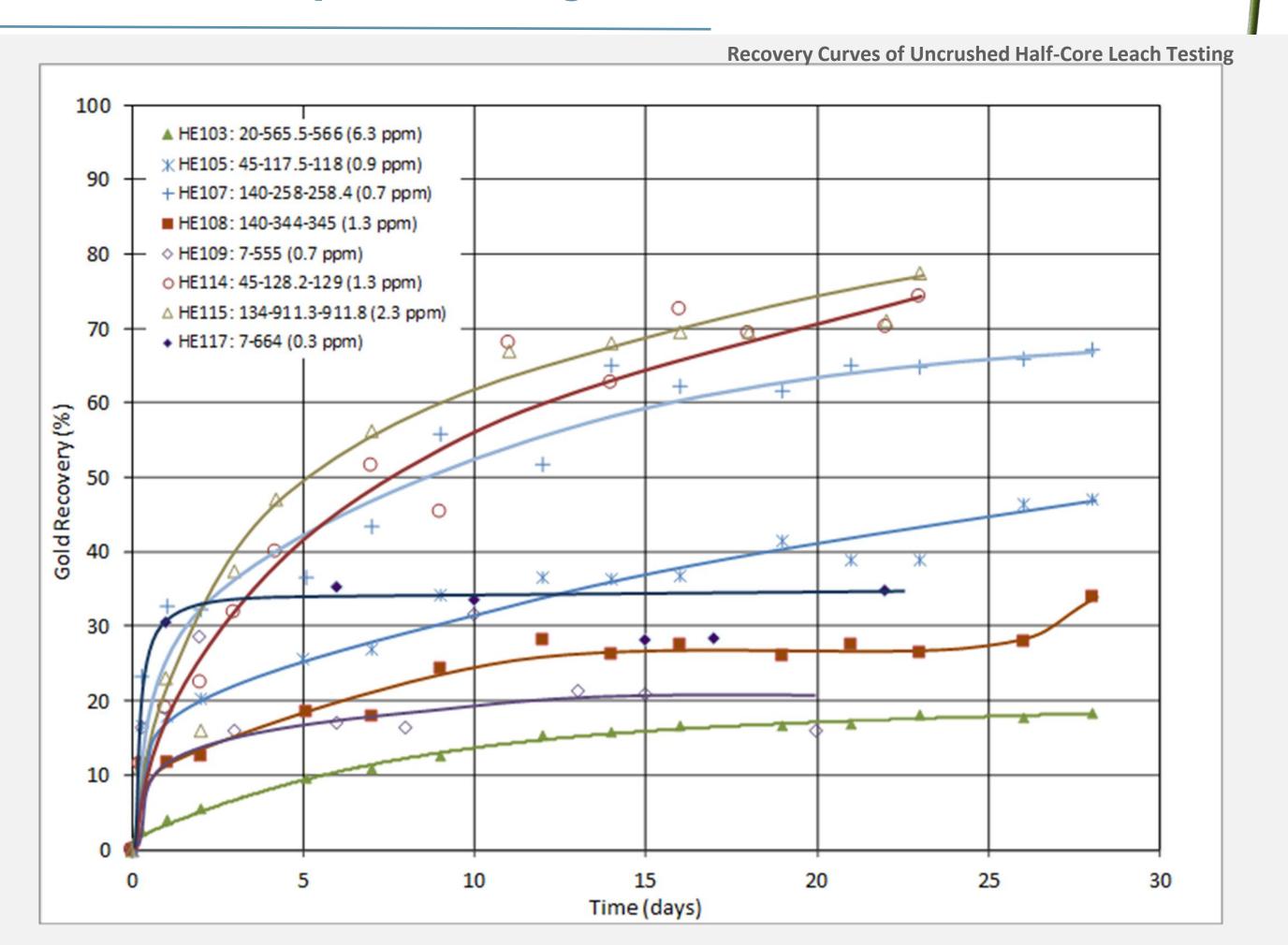
- Conducting testing over a wide variety of parameters based on a comprehensive characterization of the site, the mineralization and environmental setting (underway).
- Compiling necessary geological data and environmental setting information (underway).
- Conducting laboratory testing of drill core to determine amenability to gold extraction from the eco-friendly water-based chemistry.
- Enable a full assessment of the ISR potential with the eco-friendly solution to prepare for a future field test.





Phase 1 Testing

Uncrushed Sample Testing







Whole Rock Tests

Sample Leach Test Results

Select Samples of Uncrushed Half-Core Leach Testing

Gold Grade (g/t)	
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Test Number	Calc. Head	Pulp Density %	Leach Time (days)	Gold Recovered (%)
HE103	6.33	40.6	28.1	18.4
HE105	0.9	40.4	28.1	47.0
HE107	0.73	39.3	28.1	67.1
HE108	1.31	40.7	28.1	34.1
HE115	2.30	38.5	23.0	77.5







The Future Is Now.

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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

