SILVER CITY

PROJECT PRESENTATION

DATE
January 2020

LOCATION
Pennington County, SD

AGENDA

ABOUT US

WHAT WE ARE DOING

THE WHY FACTORS

OUR PROJECT

LOOKING AHEAD

OUR MODEL

NEW EYES ON OLD ROCKS

WE ARE:

THE NEXT GENERATION

We are forward-thinking entrepreneurs disrupting the status quo and leading by example with a sustainable approach built on integrity, authenticity, and responsibility.

EXPLORER - SCIENTISTS

We are technical experts with a passion for geology, who utilize scientific, data-driven techniques to understand the story of how the Earth was formed at an elemental level.

SOLUTION - DRIVEN

The global challenges we face today will be solved by deploying the technologies of tomorrow, and nearly all of these innovations require critical mineral resources to produce.

ENVIRONMENTAL STEWARDS

While modern societies must utilize resources to live and progress, we believe their development can be achieved sustainably to minimize impact and ensure a safer, healthier, and happier future.

SOCIALLY RESPONSIBLE

Rocks are our passion but people are the heart of our business. From our staff to suppliers, local communities and aspiring students, we work hard to help lift others through education, employment, and investment.

VALUE CREATORS

Our drive to explore and solve tough problems is crucial to creating the value that powers human progress, enriches lives and improves society.


F3 GOLD
SUSTAINABLE
MINERAL DEVELOPMENT
FOR
AMERICAN MADE
OPPORTUNITY & PROSPERITY

F3 GOLD

COMPANY LEADERSHIP

ROB BERGMANN

PRESIDENT

BRIAN LENTZ, CPG

VICE PRESIDENT

OUR EXPERIENCE

12+
YEARS
Exploration & mineral development experience

40+
PROJECTS
Exploration experience throughout N. America

9+
INDUSTRIES
Active & diverse business growth

HQ

Minneapolis, MN

EXPERTISE

Mineral exploration

TEAM COMPOSITION

Technical scientists
Financial analysts
Operation managers
Senior leaders

PROJECT TASKS

Global operations
Complex logistics
Large, diverse teams

BUDGET MANAGEMENT

$ M - MMM

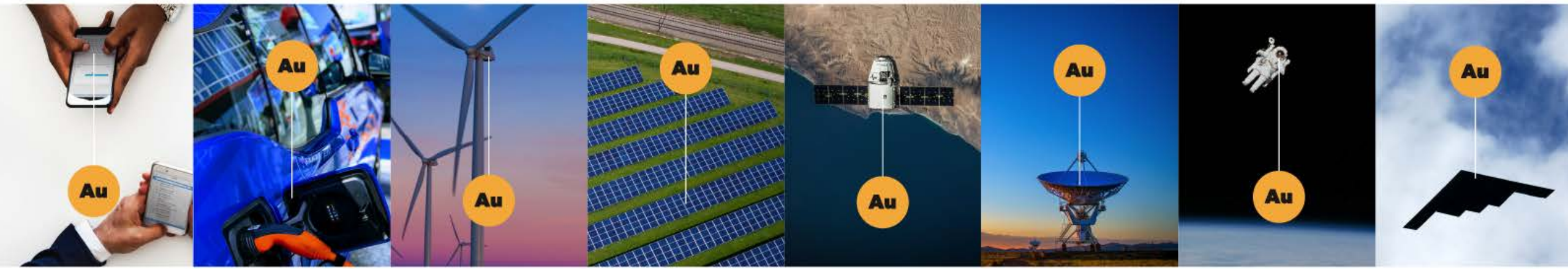

Au
Au
Au
Au
Au
Au
Gold IS
EVERYWHERE

F3 GOLD

WHY FACTORS

1 Gold is ***everywhere***.

2 Gold is ***strategic and critical*** to the future.



KEY TAKEAWAY

Numerous applications in nearly every major U.S. industry

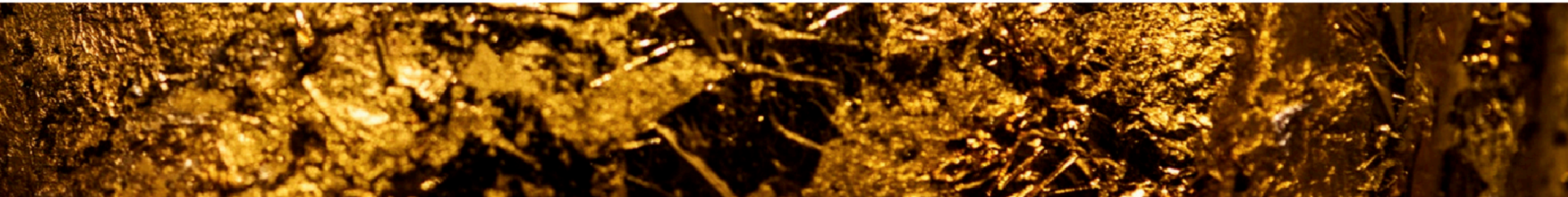
AEROSPACE **DEFENSE** **ENERGY** **MOBILITY** **TELECOM**

WHY IS GOLD VITAL IN TECH

EFFICIENT CONDUCTOR

HIGHLY DURABLE

CORROSION RESISTANT



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WHY FACTORS

CASE STUDY:
Global mineral supply chains

PROBLEM:
Strategic vulnerability

RISK RATING:

INFOGRAPHIC:
iPhone supply chain snapshot

QUICK POLL:

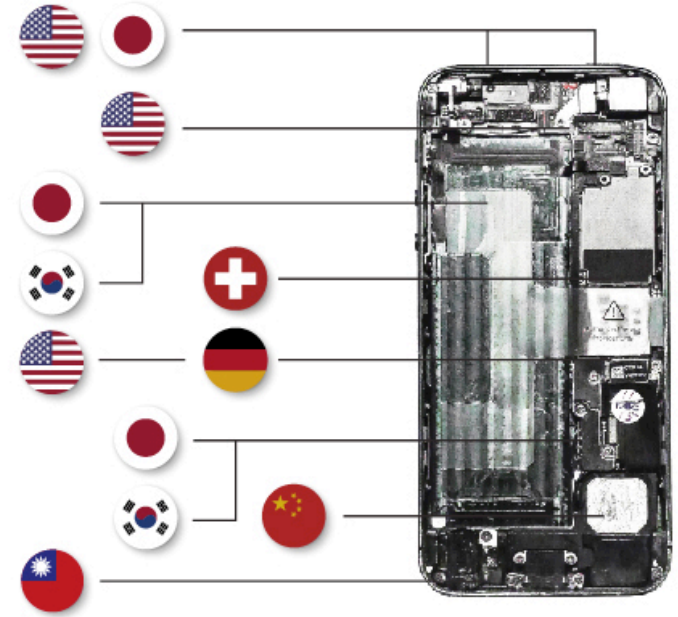
DO YOU KNOW WHAT YOUR PHONE IS MADE OF?

DO YOU KNOW WHERE THE MATERIALS COME FROM?

7 COUNTRIES

15+ MANUFACTURERS

60+ MINERALS



SOLUTION:
Develop responsible, sustainable, reliable domestic supply

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OUR TEAM

CONSULTING OPERATOR

BIG ROCK EXPLORATION

HEADQUARTERS

Minneapolis, MN

EXPERTISE

Mineral exploration, boots-on-the-ground

35+ STAFF

15 SERVICES

11 PROJECTS

9 INDUSTRIES

QUALIFICATIONS

AIPG

CERTIFIED PROFESSIONAL GEOLOGISTS

DEPARTMENT OF HEALTH
RESPONSIBLE EXPLORER
CERTIFIED
2019

★★★★★
OSHA
WORKPLACE
CERTIFIED
2019

SAFETY RECORD

HARM FREE POLICY

0
LOST TIME INCIDENTS
· SINCE 2010 ·

0
HAZARDS OR CITATIONS
· SINCE 2010 ·

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GROUPS WE SUPPORT

SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY

Black Hills State University

PIEDMONT PUBLIC LIBRARY

VOLUNTEER FIRE SILVER CITY 1876 DEPT SERVING SINCE 1964

the YMCA

MILES BEYOND ORDINARY LEAD BLACK HILLS

RAPID CITY AREA CHAMBER OF COMMERCE

BLACK HILLS MINING MUSEUM

Sanford Underground Research Facility

Silver City MUSEUM SOCIETY

Black Hills Prospecting Club

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YMCA RAPID CITY

CASE STUDY:
Community partnership

INVESTMENT:
Program development, sponsorship

IMPACT:
Youth well-being, STEM education

"Partnerships are so important to the YMCA! The terrific financial support that we have received from F3 Gold and Big Rock Exploration has benefitted the Rapid City community, but more important has been their commitment to teaching kids at YMCA Giraffic Park."

- Keiz Larson, COO of YMCA Rapid City

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WHAT IS EXPLORATION?

TARGET:

Economic subsurface mineral deposit

ACTIVITIES PERFORMED:

- Mapping the rocks and geology
- Collecting soil, rock and water samples for testing
- Creating maps and interpreting data
- Analyzing minerals through the microscope
- Compiling 3D, geostatistical and vector models
- Collecting geophysical data

NEXT STEP:

Diamond core drilling

CONCEPT | **EXPLORATION** | DISCOVERY | RESOURCE ASSESSMENT | OPERATION | CLOSURE | REMEDIATION

PHASE | CHRONOLOGICAL STEPS

1. IDENTIFY & SECURE LAND RESOURCES
2. PROSPECTING & GEOLOGIC ANALYSIS
3. ENVIRONMENTAL MANAGEMENT
4. INTERMEDIATE EXPLORATION
5. ADVANCED EXPLORATION
6. DISCOVERY & DEVELOPMENT

APPROXIMATE TIME SCALE | RELATIVE VARIABLE

GOLD:
A LONG ROAD TO DISCOVERY

WHY THIS PROJECT?

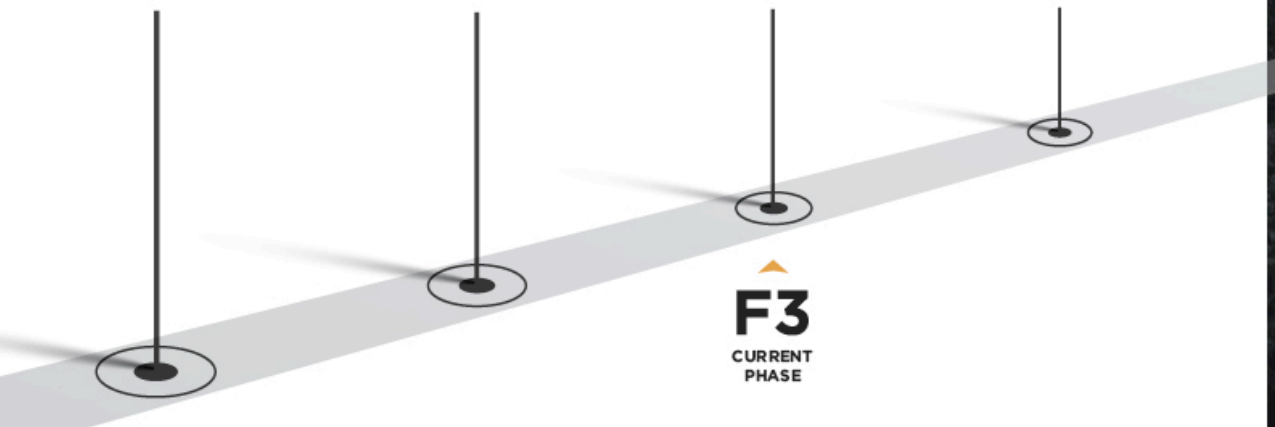
Scientific clues indicate potential

Sustainable & low-impact

Domestic production boosts U.S. economy

THE EXPLORATION TIMELINE

Identify & Secure Land Resources › **Prospecting & Geologic Analysis** › **Environmental Analysis & Planning** › **Exploratory Core Drilling**



GOLD: A RARE FIND

Of all exploration worldwide, the likelihood of an economic discovery is ***very low.***

TOTAL PROJECTS WORLDWIDE

DID YOU KNOW

LESS THAN

0.1%

of prospected sites will lead to a productive mine.

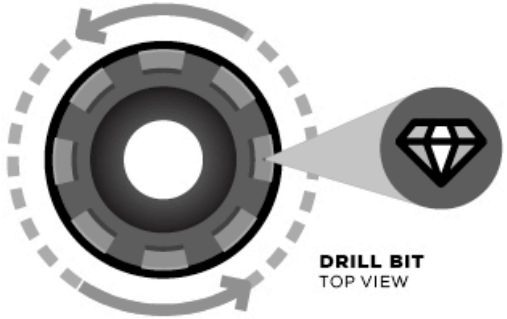
However, by utilizing our new scientific theory, we believe we can. . .

BEAT THOSE ODDS.

Source:
World Gold Council; https://www.gold.org/about-gold/gold-supply/how-gold-is-mined/exploration

EXPLORATORY DRILLING

UNDERSTANDING THE PROCESS



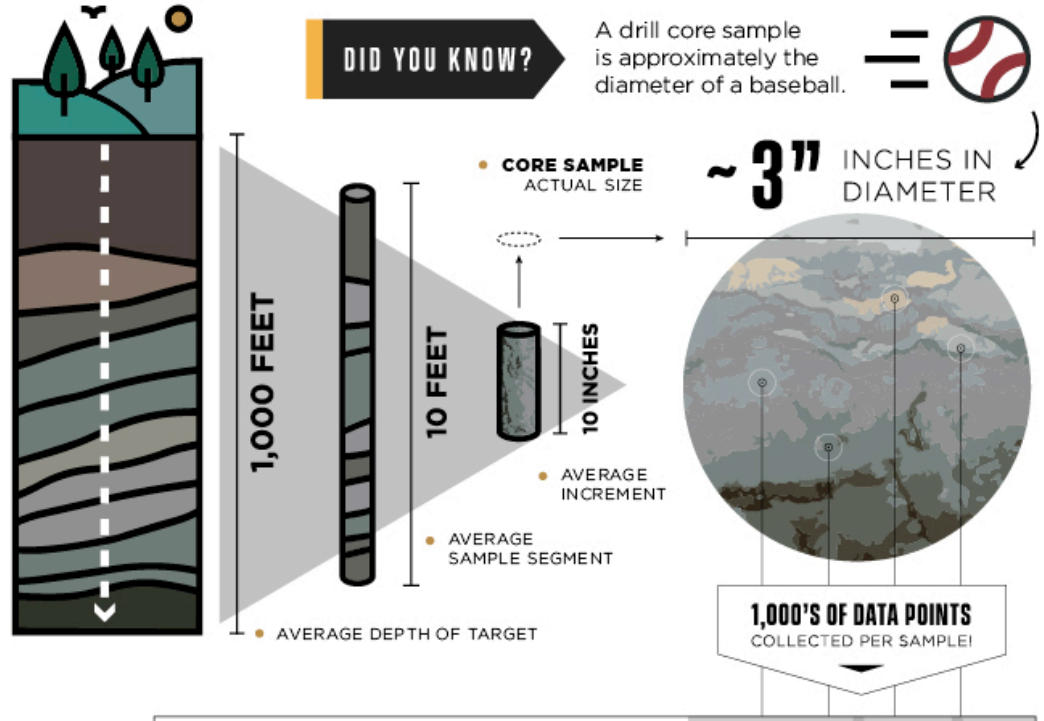
AKA
DIAMOND CORE DRILLING

Diamond core drilling uses a cylindrical bit with embedded industrial diamonds, which rotates at the end of drill rod (or pipe). The opening at the end of the diamond bit allows a solid column of rock to move up into the drill pipe and be recovered at the surface without invasive digging.

STRENGTH	DURABILITY	IMPACT
◆◆◆◆◆	◆◆◆◆◆	◆◇◇◇◇

WHO DOES THE DRILLING & WHY?

Geologists are essentially Earth detectives. They use science to uncover the story of how our planet was formed over billions of years, from stardust to the modern world we know today. One of their tools for gathering clues is exploratory core drilling. This precision sampling technique enables them to study rocks that are buried deep in the Earth and otherwise inaccessible to humans, with no excavation required.



BY THE NUMBERS | EXPLORATORY DRILLING IN PRACTICE

A drill pad is the physical space occupied by all equipment, materials, and personnel needed to perform the exploration. For scale, the figure below illustrates the approximate size of a drill pad in comparison to a regulation soccer field.

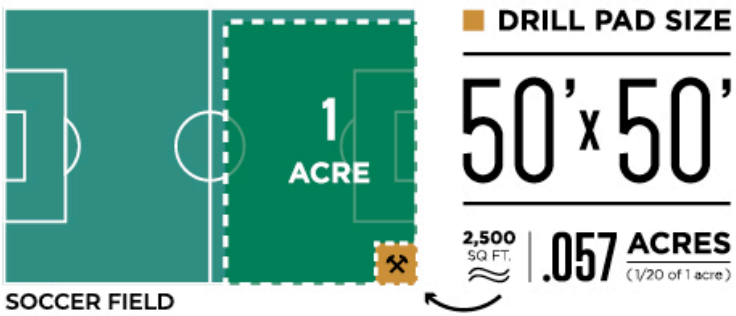
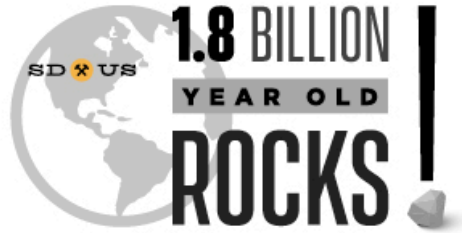


Fig. 1 : MN DNR; https://files.dnr.state.mn.us/lands_minerals/mineral_faq/mn_minexpact.pdf

Fig. 2 : IDEA Drilling; https://www.ideadrilling.com/technical-sheets/

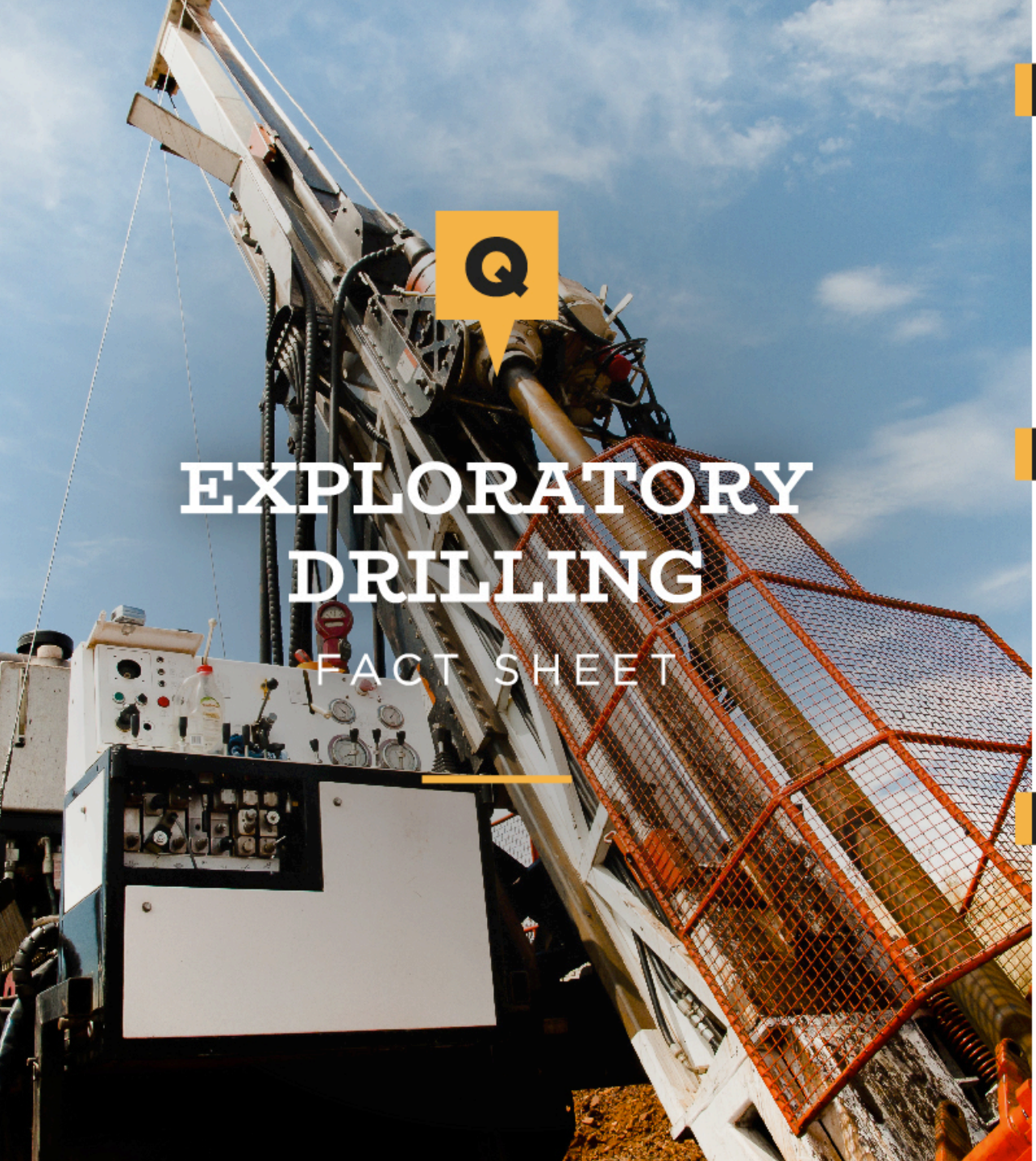
BIG DATA
IN A SMALL PACKAGE

A technical team of geologists must gather numerous data points (clues!) and work to piece them all together in order to gain a full understanding of Earth's history as told by...



KEY DATA POINTS
FROM CORE SAMPLE

- Lithology
- Alteration
- Rock quality (RQD)
- Geochemistry
- Mineralization
- Structure
- Geometry
- Fluorescence
- Photography



EXPLORATORY DRILLING

FACT SHEET

WHY?

- CRITICAL SCIENTIFIC DATA
- LOW-IMPACT, PRECISION TECHNIQUE
- SHORT-TERM TEMPORARY FOOTPRINT
- POTENTIAL ECONOMIC DISCOVERY

WHAT?

- POTABLE WATER
- CLAY (BENTONITE)
- STEEL PIPE
- BIODEGRADABLE LUBRICANTS

HOW?

- COMPARABLE TO DRILLING A WATER WELL
- LOW NOISE & DUST EFFECTS
- NO TOXIC OR HAZARDOUS CHEMICALS
- RECLAMATED TO ORIGINAL CONDITION

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DRILL PAD: BEFORE & AFTER

VISUAL TIMELINE | A real-world example of exploration in Minnesota

SITE AT PROJECT START

SITE DURING PROJECT

SITE CAPPED & RESEEDED

SITE AFTER 1 YEAR

Source: Minnesota Department of Natural Resources; https://www.dnr.state.mn.us/lands_minerals/metallic_nf/explore.html

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SILVER CITY PROJECT APPROACH

Update geologic record by testing our new science suggesting undiscovered gold deposit

1

Conduct our work in socially, environmnetally, and economically responsible manner

2

Partner with local citizens, groups and organizations for win-win opportunities

3

Discover a new economic gold deposit in the U.S.A.

4

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SILVER CITY HISTORY

In 1906, the **Crouch Line Railroad** was completed.

This passage connected the mining town of Silver City to Rapid City, providing a vital route for travel and commerce.

FOUNDED:

1876, by the Gorman Bros. originally as a mining camp

EARLY GROWTH:

2 to 300+, by 1878 Silver City was a mining boom town

MINING ACTIVITY IN PENNINGTON COUNTY:

143 years, 24,416 total claims, 664 mines*

KEY TAKEAWAY:

Despite a presence since it's founding, Silver City has been enriched ***not*** degraded by mining. It has helped to support and conserve the scenic resources that make it a multi-use, recreational paradise and global tourist draw to this day.

Source: The Diggings; https://thediggings.com/places/sd103-99933305

SILVER CITY

PROJECT OVERVIEW

PHASE:
Exploratory drilling

DURATION:
~ 1 year

TOTAL FOOTPRINT:
3.8 acres

STATUS:
State & federal compliant

RISK RATING:

IMPACT RATING:

SUMMARY STATEMENT:

This is an exploration project using precision, low-impact diamond core drilling to test scientific theories at depth & determine the potential for an economic gold deposit.

KEY FACTS

ABOUT OUR ACTIVITIES

- **NO** MINING, MILLING, OR PROCESSING
- **NO** EXCAVATION, DREDGING, SUMPS, OR CONSTRUCTION
- **NO** WATER EXTRACTION, FROM RAPID CREEK WATERSHED
- **NO** HAZARDOUS CHEMICALS OR TOXIC SUBSTANCES

EXPLORATORY DRILLING PHASE | PROCEDURAL CHECKPOINTS

PERMITTING

PERIOD:
~ 12 - 24 months

KEY STEPS:
Application
N.E.P.A. study
Environmental analysis

ACTIVITIES

PERIOD:
~ 12 months

KEY STEPS:
Site setup
Drilling
Site breakdown

RECLAMATION

PERIOD:
~ 6 months upon completion

KEY STEPS:
Clean-up
Capping
Reseeding

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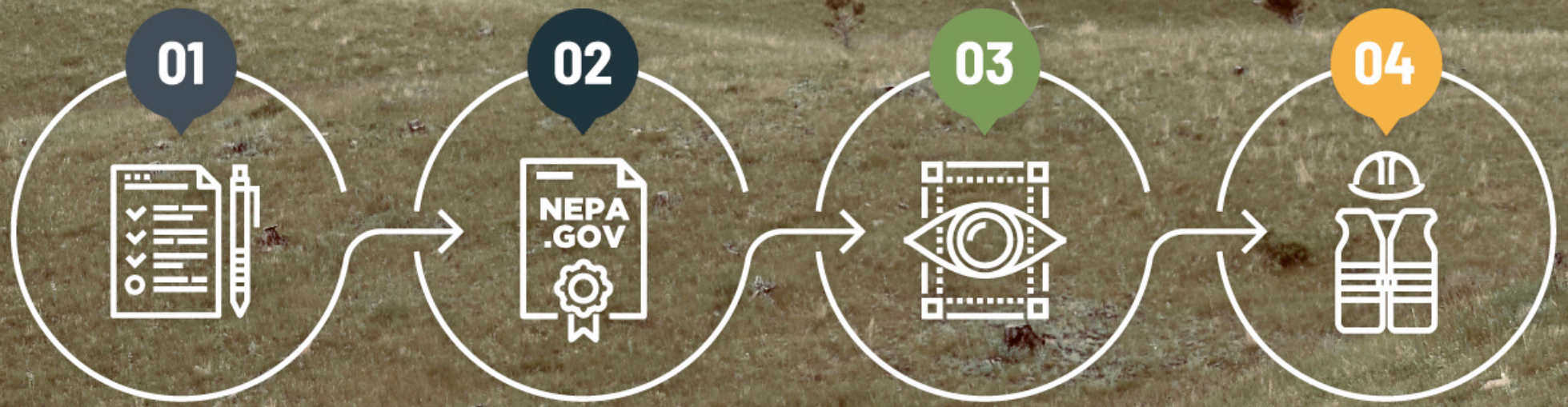
PROJECT TIMELINE



Application | **NEPA* Review** | **Environmental Analysis** | **Commence Drilling**

*National Environmental Policy Act

IN PROGRESS

PROJECTED IDEAL TIMELINE | 12 - 24 MONTHS

F3 ENVIRONMENTAL MANAGEMENT PLAN

COMPREHENSIVE • TRANSPARENT • RESPONSIBLE

VISION STATEMENT:

F3 Gold strives for the highest standard of ethical integrity in mineral exploration. By prioritizing a stringent environmental review process and ensuring our operations not only meet but exceed regulatory standards, we are leading by example on a sustainable path to a future that values the long-term well-being of all stakeholders.

Air Quality

No burning or burn permit in proposed operations

All vehicles will comply with exhaust regulations

All vehicles operated to limit dust dispersion

Noise will be controlled and abated to limit disturbance

Water Quality

No drilling activity in Madison or Minnelusa aquifers

No extraction from Rapid Creek watershed

Clean potable municipal water source

Used water is monitored and recycled

Ecological Conservation

No timber harvesting; only minimal brush cutting

Buffer zones implemented to minimize disturbance

Small staging areas along roadways to limit obstruction

No known risks or dangers to wildlife

Land & Scenic Resources

On-the-ground verification of drill pad placement

All proposed operations are outside registered cultural sites

500 ft. buffer zone established from any registered cultural sites

All sites coordinated with U.S.F.S. to ensure protection

Waste & Materials

Operations plan to minimize overall waste stream

All waste will be safely stored and disposed of routinely

No hazardous materials or toxic substances

Fuel and lubricants stored are EPA SPCC compliant

AIR & NOISE STEWARDSHIP

IMPACT STATEMENT:

Our project planning and execution always considers the concerns of those who live, work, and play nearby. We set a 'do no harm' standard that guides our decision-making to ensure our work poses no detriment to persons or property.

- **Minimal dust creation from drilling activities**
- **Wet drilling process mitigates dust**
- **Small project footprint to limit vehicle traffic**
- **Buffer zones & site selection to minimize disruption**
- **Optimized schedule to minimize noise & traffic**

ASSESSMENT, COMPLIANCE & PERMITTING BY
United States Forest Service

RECLAMATION COMPLIANCE ASSESSMENT BY:
Department of Environment and Natural Resources

INDEPENDENT THIRD-PARTY VERIFICATION BY:
Barr Engineering

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Learn more at: **www.F3Gold.com**

WATER STEWARDSHIP

IMPACT STATEMENT:

We recognize and acknowledge the criticality of water to the health and way of life for the Black Hills. We would not commence with any project that risks the integrity and long-term viability of regional water sources.

NO drilling in Minnelusa & Madison aquifers

NO extraction from Rapid Creek Watershed

NO hazardous chemicals or toxic substances

Clean potable H_2O from municipal source

Used water is monitored & recycled

ASSESSMENT, COMPLIANCE & PERMITTING BY
United States Forest Service

RECLAMATION COMPLIANCE ASSESSMENT BY:
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INDEPENDENT THIRD-PARTY VERIFICATION BY:
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ECOLOGICAL STEWARDSHIP

IMPACT STATEMENT:

As scientists who spend countless hours in nature, our love of wild spaces goes beyond our work. We're avid outdoorsmen & outdoorswomen will a strong ethos of conservation and commited to ensuring healthy ecosystems for all to enjoy.

NO known risks or danger to wildlife

NO timber harvesting or road construction

NO excavation, dredging, or sumps

Buffer zones & site selection to avoid sensitive areas

Activity areas will be reseeded to USFS code

ASSESSMENT, COMPLIANCE & PERMITTING BY
United States Forest Service

RECLAMATION COMPLIANCE ASSESSMENT BY:
Department of Environment and Natural Resources

INDEPENDENT THIRD-PARTY VERIFICATION BY:
Barr Engineering

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Learn more at: **www.F3Gold.com**

LAND USE STEWARDSHIP

IMPACT STATEMENT:

The Black Hills are a beautiful home to many South Dakota residents, a cultural gem for the country, and a major draw for numerous recreational uses and tourism. We respect the regional way of life and intend to keep it that way.

- **Low-impact methodology to minimize surface disturbance**
- **'Leave it better than you found it' clean-up policy**
- **Ongoing cultural & historical staff training**
- **Small project footprint to limit scenic disturbance**
- **Buffer zones & site selection implemented to limit disruption**

ASSESSMENT, COMPLIANCE & PERMITTING BY
United States Forest Service

RECLAMATION COMPLIANCE ASSESSMENT BY:
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INDEPENDENT THIRD-PARTY VERIFICATION BY:
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Learn more at: **www.F3Gold.com**

MATERIALS STEWARDSHIP

IMPACT STATEMENT:

By nature the exploration process is low impact and low risk because it is not materially intensive, and the materials used are not hazardous to the health of the environment, animals, or people.

- **NO hazardous materials or toxic substances**
- **NO permanent sites; all materials removed at completion**
- **Proper containment and routine off-site disposal of all waste**
- **Fuel & lubricants safely stored in DOT-compliant containers**
- **EPA SPCC compliant & fuel spill kits available at all sites**

ASSESSMENT, COMPLIANCE & PERMITTING BY
United States Forest Service

RECLAMATION COMPLIANCE ASSESSMENT BY:
Department of Environment and Natural Resources

INDEPENDENT THIRD-PARTY VERIFICATION BY:
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Learn more at: **www.F3Gold.com**

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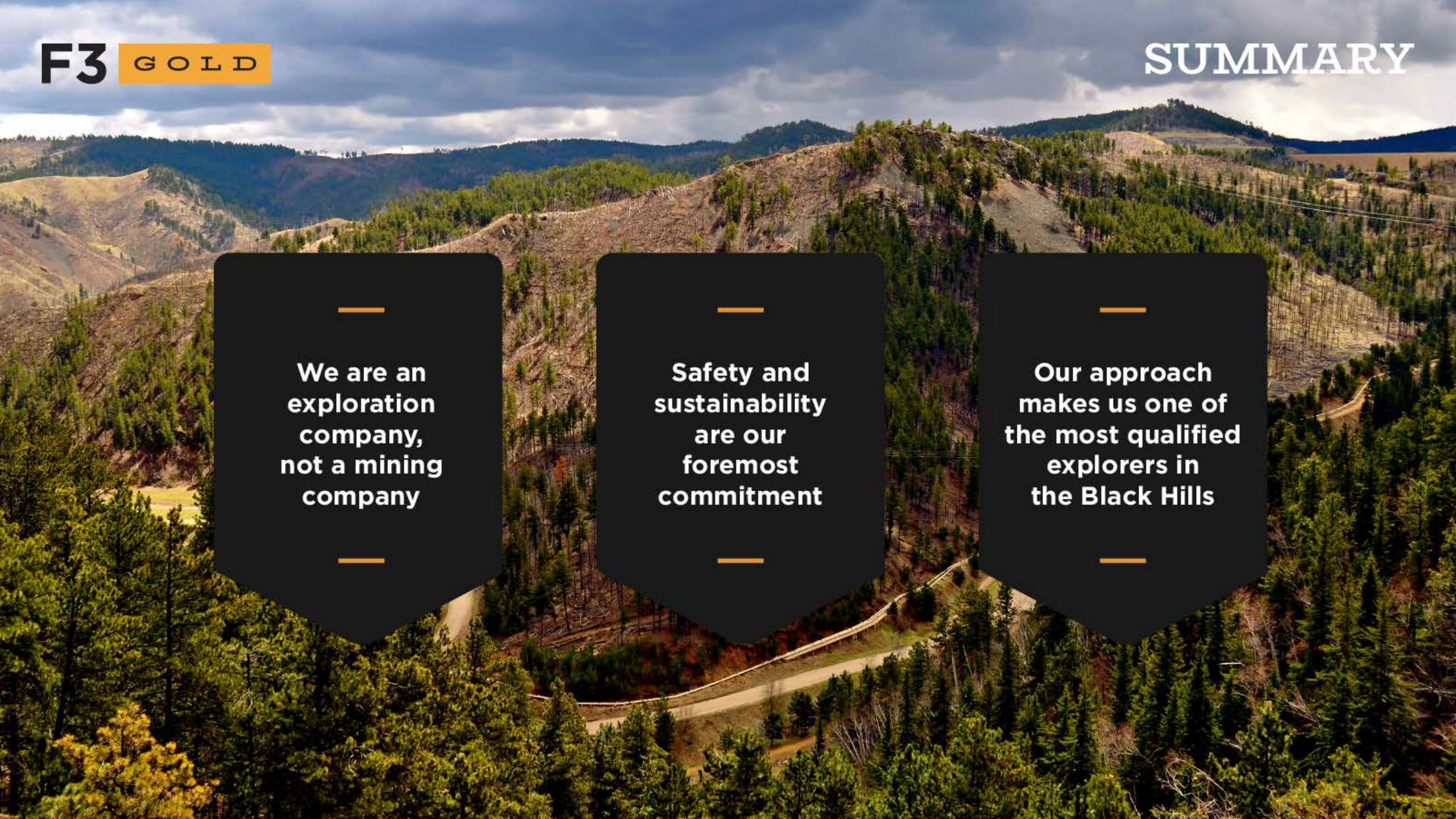
SUMMARY



We are an exploration company, not a mining company

Safety and sustainability are our foremost commitment

Our approach makes us one of the most qualified explorers in the Black Hills

F3 GOLD

CONTACT US

QUESTIONS, COMMENTS, INFORMATION? PLEASE GET IN TOUCH!

www.F3Gold.com

info@F3Gold.com