



Perpetua
Resources

2023 SUSTAINABILITY REPORT

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COMMUNITY
HALL →

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ABOUT THIS REPORT



The purpose of this Sustainability Report is to provide transparent disclosure on the Environment, Social, and Governance (ESG) topics that were most material to Perpetua Resources (Perpetua or the Company) in 2023. It also outlines Perpetua Resources' key achievements for the year and provides an update on its ESG performance and commitments. Perpetua Resources' ESG goals were developed to align with the United Nations' Sustainable Development Goals (UNSDG).

The reporting in this document is aligned with the IFRS Foundation Sustainability Accounting Standards Board (SASB) reporting framework and includes a full quantitative summary in Appendix A. SASB standards guide the disclosure of financially material sustainability information by companies to the investment community.

**See Materiality Assessment on page 7.*

ESG Highlights

In 2023, the Perpetua Resources team maintained its focus on revitalizing an abandoned mining district and providing the nation with mission critical resources through the advancement of the Stibnite Gold Project. The Company's actions over the past year were guided by its commitments to protect the environment, provide opportunities for its community, deliver long-term value for its shareholders and do business the right way.



HEALTH, SAFETY + WELLBEING



142 MONTHS
with no reportable spills

97 months with no Lost Time Incidents
228 safe fuel hauls without incident or spill, a 100% safety record since 2009
11,505 team training hours since 2013 | **2,279** Hours in 2023

GOVERNANCE



100% OF EMPLOYEES

participated in business integrity and compliance related training

Released 10th annual **sustainability report**; aligned with SASB framework
33% of Board members are gender or ethnically diverse

PEOPLE



50% FEMALE
executive management

33 full-time employees
37% female workforce
83% of employees are based in Idaho

SOCIAL & ECONOMIC DEVELOPMENT



15,686 HOURS
in the community since 2015 | **1,595** in 2023

~\$108M total Idaho spending since 2014 | **~\$8M** in 2023
~\$23.5M total compensation since 2019 | **~\$4.8M** total compensation in 2023
\$3.2M+ total community contributions since 2014 | **\$269,000** in 2023
~\$243,000 in charitable giving donations since 2019 | **~\$45,000** in 2023
\$89,000 awarded in student scholarships since 2015 | **\$28,000** in 2023
\$214,000+ in **STEM** and education support since 2019 | **\$28,000** in 2023
1,205 total community presentations since 2015 | **72** in 2023
252 site tours since 2014 | **24** in 2023

ENVIRONMENT



81,113 TREES
planted since 2011 | **16,855** in 2023

Continued early cleanup work to proactively address legacy water contamination
Continued Community Water Monitoring Program with the Stibnite Advisory Council
62,170 kWh solar energy produced on site since 2015 | **4,129 kWh** solar in 2023
5,463 pounds of material recycled since 2014 | **83** in 2023



Foreword From The CEO

AT PERPETUA RESOURCES, OUR COMMITMENT TO INTEGRITY AND ACTION DEFINES US. WE TURN OUR PROMISES INTO REALITY, ILLUSTRATING THE POWER OF RESPONSIBLE STEWARDSHIP.

The 2023 report shows the incredible strides our team made over the past year. Our journey was marked by investments in our communities, investments in the environment, and a company culture centered on doing the right thing the right way.

With the help of Iron Woman, our team cleaned up more than 325,000 tons of legacy mine waste in 2023. This early cleanup work allows us to show our communities exactly who we are. Meanwhile, we invested tens of thousands of dollars into our local nonprofits and achieved one of the most prestigious safety designations possible in the United States.

As we look to the future, Perpetua Resources remains committed to living out what it means to be a

responsible mining company. We will continue prioritizing the health of our environment, the safety of our employees, the well-being of our communities, and our company ethos that places good governance at the heart of all we do.

Our plan for the Stibnite Gold Project has always been clear: to adopt a modern mining approach that leaves our corner of Idaho better than we found it. Our team's achievements are a testament to the power of our vision as we turn it into reality.

Thank you to every member of our team, our partners, and our stakeholders for your continued support and commitment to excellence. Together, we are making a difference.

SINCERELY,

JON CHERRY
President and CEO of Perpetua Resources



From the Board

"Perpetua Resources' commitment to advance the Stibnite Gold Project and bring this national strategic asset to life is relentless.

While the Company is still actively working on permitting, we see the finish line in sight and are shifting some of our focus to what happens next. I am excited to have welcomed Jon Cherry as our new CEO to help lead us through this next phase.

While our anticipated transition from permitting to development will bring about much change, Perpetua Resources' core values will remain unchanged. Our team's commitments to transparency, accountability,

environmental protection and being a strong community partner will continue to guide Perpetua as we move forward.

These principles have allowed our Company to build a strong foundation and earn the trust of key stakeholders so we can create value for our nation and shareholders."

MARCELO KIM
Chairman of the Board



"It's been a privilege to lead Perpetua Resources for the past seven years. I am proud of all our team has accomplished and I look forward to seeing what is ahead with Jon Cherry at the helm. I know the company is in good hands."

Laurel Sayer
- LAUREL SAYER

APPROACH TO SUSTAINABILITY

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- 05 [PROJECT LOCATION + HISTORY](#)
- 06 [ESG PRINCIPLES](#)
- 07 [MATERIALITY ASSESSMENT](#)



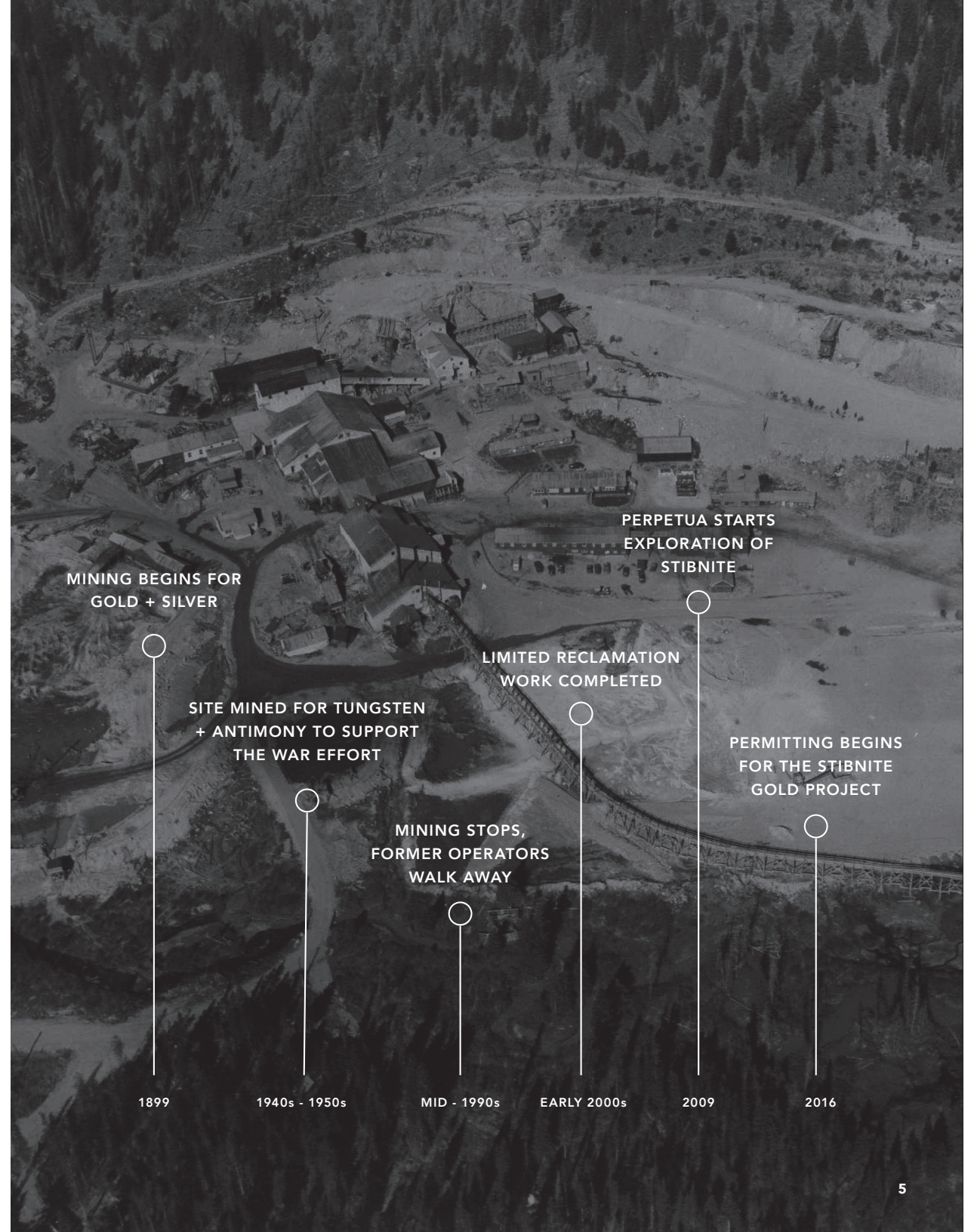
MISSION

Perpetua Resources is dedicated to taking an area abandoned after 100 years of mining activity and using responsible mine redevelopement to provide minerals our nation needs for a more secure and sustainable future, restore the environment, and bring benefit to the communities.

PROJECT LOCATION + HISTORY

The proposed Stibnite Gold Project is located in the historical Stibnite Mining District in Valley County, Idaho. The district has seen more than 100 years of mining activity. During World War II and the Korean War, the site was mined heavily for tungsten and antimony to serve the war efforts. After the war era, gold was mined from Stibnite until the mid-1990's when mining in the district stopped. Unfortunately, only limited reclamation work was ever done, so many environmental legacies remain today.

Perpetua Resources has offices in Boise, Donnelly, and Stibnite, Idaho.



MINING BEGINS FOR
GOLD + SILVER

PERPETUA STARTS
EXPLORATION OF
STIBNITE

SITE MINED FOR TUNGSTEN
+ ANTIMONY TO SUPPORT
THE WAR EFFORT

LIMITED RECLAMATION
WORK COMPLETED

PERMITTING BEGINS
FOR THE STIBNITE
GOLD PROJECT

MINING STOPS,
FORMER OPERATORS
WALK AWAY

1899

1940s - 1950s

MID - 1990s

EARLY 2000s

2009

2016

ESG PRINCIPLES



Leave the Project site better than the Company found it, and leave a lasting legacy of positive economic benefits in the community.



Doing the right thing is good for business. Responsible corporate behavior, with respect to environmental, social and governance factors, can generally have a positive influence on long-term financial performance.



Disclosure is the key that allows stakeholders and other interested parties to better understand, evaluate and assess potential risk and return, including the potential impact of environmental, social and governance factors on Perpetua Resources' performance.



Investment analysis should incorporate environment, social and governance factors to the extent that they affect risk and return.



Division of authority and responsibilities among shareholders, directors and managers are key to good corporate governance.



MATERIALITY ASSESSMENT

Perpetua determines materiality for ESG-related topics using a holistic approach focused on areas that have the greatest potential impact to its business and stakeholders. Our ongoing assessments concentrate on areas most important to stakeholders, including social and environmental performance, as well as those related to risk and return, and those that could have the greatest impact to Perpetua's long-term financial performance. ESG factors most material to industry peers and best practices being adopted by the mining industry were also considered when identifying materiality.

The material topics addressed in this report include:



GOVERNANCE

- ✓ Business Ethics
- ✓ Transparency
- ✓ Diversity & Inclusion



SOCIAL

- ✓ Workforce Health & Safety
- ✓ Workforce Engagement
- ✓ Labor Relations
- ✓ Community Relations
- ✓ Security
- ✓ Human Rights
- ✓ Rights of Indigenous Peoples



ENVIRONMENT

- ✓ GHG Emissions
- ✓ Air Quality
- ✓ Energy Management
- ✓ Water Management
- ✓ Waste & Hazardous Materials Management
- ✓ Biodiversity Impacts
- ✓ Tailing Storage Facilities Management



*See Forward Looking Statement on page 44.

GOVERNANCE

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12 IDAHO BOARD

13 RISK MANAGEMENT

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

This section aligns with the following goals:

5 GENDER
EQUALITY



8 DECENT WORK AND
ECONOMIC GROWTH



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



2023 GOVERNANCE HIGHLIGHTS

100% OF EMPLOYEES

participated in business integrity and compliance related training.

Earned special designation from OSHA for the Company's exemplary commitment to health and safety.

Increased employee training hours by 24%*

Released 10th annual **sustainability report**.

33% of Board members are gender or ethnically diverse.

*The large increase in training hours is due to the ongoing, voluntary cleanup work at site designed to improve water quality.



GOOD GOVERNANCE SUPPORTS PERPETUA SAFETY HONOR

In December 2023, Perpetua Resources was formally inducted into the Occupational Safety and Health Administration's (OSHA) Safety & Health Achievement Recognition Program (SHARP) for Perpetua's exemplary commitment to the health and safety of our employees. Perpetua is just the sixth-ever Idaho company to be formally recognized as a SHARP site.

Acceptance into SHARP was a long-term goal for the company and marked years of hard work. Since 2014, Perpetua has engaged with Idaho's OSHA's consultation program (OSHCon) to strengthen its safety record, frequently requesting site inspections, using OSHCon's noise and air sampling services, and soliciting feedback to improve the company's health and safety program.

As a core component of Perpetua's commitment to ESG, a governance structure that prioritizes the safety of employees and the community is of the utmost importance. A safe and healthy workplace not only protects workers from injury and illness, it also lowers injury and illness costs, reduces absenteeism and turnover, increases productivity and quality, and raises employee morale.

With the SHARP designation, Perpetua continues to lead the way with a culture of mindfulness around safety and good governance.

CORPORATE GOVERNANCE

Strong corporate governance is the foundation for good business practices, transparency, accountability and long-term success. Perpetua Resources holds itself to the highest corporate governance practices to mitigate risk and provide a structure that enables long-term value for all stakeholders.

Corporate governance begins with Perpetua's Board of Directors ("Board"), who control and set the direction of the Company. Perpetua's Board is responsible for the oversight of the risks that are relevant to the Company, and delegates certain risk oversight to the Audit, Compensation, Corporate Governance and Nominating and Technical Committees. These committees are comprised of a majority of independent directors with diverse backgrounds and experience and hold regular meetings throughout the year.

Details of the Company's committee charters and governance policies are available on Perpetua's website: www.investors.perpetuaresources.com/investors/policies



THE BOARD IMPLEMENTS THE FOLLOWING BEST PRACTICES:

SHAREHOLDERS ELECT DIRECTORS ANNUALLY

CONDUCTING ANNUAL BOARD AND COMMITTEE SELF-EVALUATIONS,

MAINTAINING AN INDEPENDENT CHAIRPERSON (90% OF THE BOARD IS INDEPENDENT)

MINIMUM DIRECTOR STOCK OWNERSHIP REQUIREMENTS

MAJORITY VOTING POLICY

NEW DIRECTOR ORIENTATION AND CONTINUING EDUCATION

REQUIRING DIRECTORS TO FOLLOW CODES OF CONDUCT AND ETHICS

DIVERSE REPRESENTATION OF EXPERIENCE AND BACKGROUNDS

ESG GOVERNANCE

Perpetua’s Board has direct oversight of the Company’s ESG efforts and works to deliver long-term benefits for all Perpetua’s stakeholders.

FULL BOARD OVERSIGHT OF ESG TOPICS

- ✓ STAKEHOLDER ENGAGEMENT
- ✓ ENTERPRISE RISK MANAGEMENT
- ✓ CYBER SECURITY
- ✓ SUSTAINABILITY POLICIES
- ✓ GOVERNMENT RELATIONS
- ✓ EMERGENCY PLANNING + RESPONSE
- ✓ COMMITTEE REPORT OUTS ON SPECIFIC ESG TOPICS

BOARD COMMITTEE OVERSIGHT OF ESG TOPICS

- | | |
|--|--|
| <p>AUDIT COMMITTEE</p> <ul style="list-style-type: none"> ✓ Compliance ✓ Whistleblower Policy ✓ Code of Conduct + Ethics ✓ Cyber Security ✓ Political Contributions | <p>COMPENSATION COMMITTEE</p> <ul style="list-style-type: none"> ✓ Executive Compensation ✓ Fair Labor Practices ✓ Employee Benefits |
| <p>CORPORATE GOVERNANCE + NOMINATING COMMITTEE (CG&N)</p> <ul style="list-style-type: none"> ✓ Diversity, Equity + Inclusion ✓ Board Governance ✓ Anti-Bribery and Anti-Corruption | <p>TECHNICAL COMMITTEE</p> <ul style="list-style-type: none"> ✓ Safety + Health Policies and Performances ✓ Environmental Policies + Performances |

ANTI-BRIBERY AND ANTI-CORRUPTION MANAGEMENT

EM-MM-150a.1 and EM-MM-150a.2

Perpetua’s Anti-Bribery and Anti-Corruption Policy underscores the company’s commitment to transparent, honest, and integrity-driven business practices. Adhering to U.S. and Canadian anti-bribery and anti-corruption laws, the policy applies to all directors, officers, employees, consultants and any other person acting on behalf of the Company. It outlines prohibited activities and sets stringent standards for gifts, entertainment, charitable contributions, and political donations.

Perpetua’s management system incorporates many Extractive Industry Transparency Initiative (EITI) Standards, such as: Beneficial Ownership, Social Expenditures, Transparency, Data Accessibility, Project-Level Payments and Subnational Payments, and Multi-Stakeholder Engagement.

View the Company’s ESG and supporting policies [on Perpetua’s website](#).

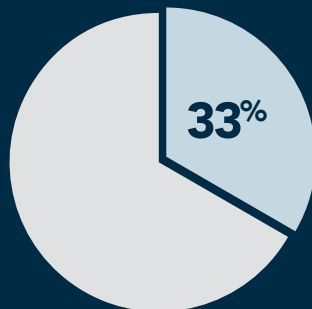
RISK MANAGEMENT

EM-MM-510A.1

Perpetua's approach to risk management begins with its [Code of Conduct & Ethics policy](#). This policy dictates how the organization is expected to live up to the Company's core values, which influences employee's actions and decisions. It provides a mechanism of accountability for employees and business partners to mitigate potential risks before they become larger problems.



Perpetua team members and stakeholders at site



THIRTY-THREE PERCENT OF THE BOARD IS GENDER OR ETHNICALLY DIVERSE

OTHER POLICIES FORMALLY ADOPTED BY PERPETUA:

✓ ESG

✓ ANTI-BRIBERY + ANTI-CORRUPTION

✓ WHISTLEBLOWER

✓ CHARITABLE DONATIONS

✓ INSIDER TRADING + REPORTING

✓ INFORMATION TECH + SECURITY

✓ POLITICAL CONTRIBUTIONS

✓ DIVERSITY

✓ CONDUCT + ETHICS

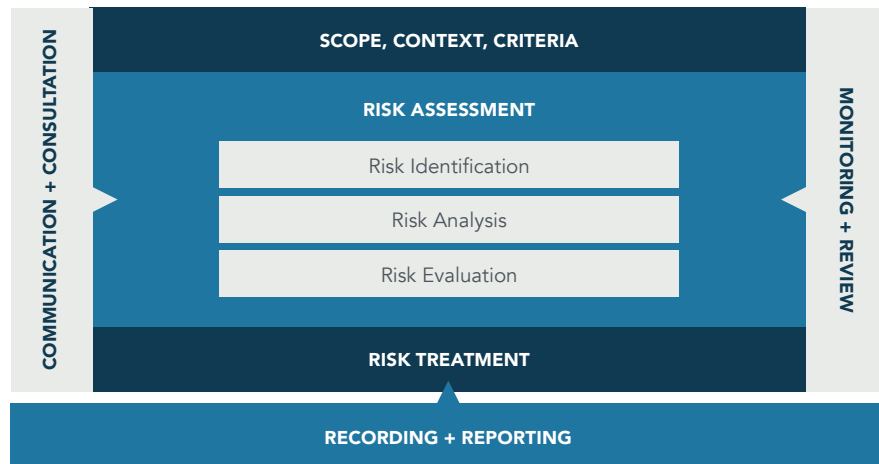
These and other policies are available [here](#).

ENTERPRISE RISK MANAGEMENT

Through Perpetua’s Enterprise Risk Management (ERM) process, the Company identifies, analyzes, reports and discusses the top risks with senior leaders and the Board of Directors. The Chief Financial Officer manages the ERM process and works to expand a culture focused on minimizing risk and creating and protecting value.

The Board oversees Perpetua’s risk management activities to ensure the Company has an appropriate risk management process in place. As part of regular Board and Committee meetings, the Directors oversee management of risks relevant to the Company. While the full Board has overall responsibility for risk oversight, the Board has delegated responsibility related to certain risks to the Audit Committee, the Compensation Committee, the Corporate Governance and Nominating Committee, and the Technical Committee.


ENTERPRISE RISK MANAGEMENT FRAMEWORK





EOH&S MANAGEMENT SYSTEM

Perpetua Resources utilizes an integrated Environmental, Occupational, Health and Safety (EOH&S) Management System to enhance its risk management practices. This system was developed in accordance with ISO 14001 and ISO 45001 and will undergo third-party audit and certification before the mine is in operation.

As a part of the integrated EOH&S management system’s continuous improvement cycle, key advancements in 2023 included:

- 

EMERGENCY RESPONSIVENESS
Conducted an avalanche rescue simulation, avalanche awareness, simulated spill response and medical emergency response training for site employees, as well as a joint vehicle rollover practice drill and first aid kit and trauma assessment training events with the Yellow Pine Fire Department.
- 

INCREASED TRAINING
Training hours for employees increased by 24% and 460% for contractors in 2023. Part of the reason for the large increase for contractors training hours is due to the ongoing, voluntary cleanup work at site designed to improve water quality.
- 

SAFETY DESIGNATION
Perpetua achieved SHARP designation for its worksite health and safety.



Perpetua Resources' Idaho Board

The Perpetua Resources Idaho, Inc. Board of Directors is comprised of Idahoans with a wide range of perspectives and experiences. As a subsidiary board, the directors' role is to advise and oversee the Idaho team as they develop the Stibnite Gold Project and ensure the values and needs of Valley County and local stakeholders are represented.



SCOTTY DAVENPORT

Chairman of the Board

McCall, Idaho

Scotty knows business and understands the benefit Perpetua Resources can have in the community. As a founding member of the Valley County Economic Development Council and a leader with the Cascade and McCall Chambers of Commerce, Scotty wants to see the Valley County economy, job market and community continue to thrive. Scotty owns several retail stores and businesses in Valley County. He is passionate about renewable energy and is dedicated to connecting communities to geothermal energy.

APRIL WHITNEY

Board Member

McCall, Idaho

April doesn't sit on the sidelines. You can find her out on the slopes skiing, hiking in Idaho's backcountry, working in her garden or spending time with her husband and daughter. When April learned about the Stibnite Gold Project, she realized this was a once-in-a-lifetime opportunity for a mining company to restore an area in need of repair and decided she needed to get involved. As a board member, she wants to make sure the voices of the community are heard and that people have the information they need about Perpetua Resources' future plans. April lives in McCall and owns her own marketing company.

SHAUNA ARNOLD

Board Member

Cascade, Idaho

Residents in Cascade know if they ever need help, Shauna will be one of the first ones there. She loves serving her community and joined the Perpetua Resources Idaho Board to ensure Cascade had a voice in the Stibnite Gold Project. She is the eyes and ears of the community and helps residents learn more about the Project and how they can get involved. As an Idaho-native, Shauna is excited to be part of a Project that transforms an area in need of repair and leaves a positive legacy for future generations. When Shauna isn't volunteering or working as a massage therapist, you can often find her hiking, spending time in her garden or with her husband and two children.

LAUREL SAYER

Board Member

Eagle, Idaho

Laurel Sayer, based in Boise, Idaho has served as President and CEO of Perpetua Resources, since 2016. Before her appointment as CEO, Ms. Sayer served on the Perpetua Resources Corp. Board for two years. Prior to her appointment to the Perpetua Resources Board, she worked as the executive director of the Idaho Coalition of Land Trusts (ICLT), which is dedicated to supporting and advancing private land conservation in Idaho. Ms. Sayer also spent more than two decades working on policy matters with Idaho Congressman Mike Simpson and Idaho United States Senator Mike Crapo, with an emphasis on natural resource issues.



“Existing and new relationships formed over the past 10 years of the project have helped the Idaho Board members listen to and consider a broad variety of locally-based concerns, and in turn, address those concerns with the company. Project safety, water quality, and potential economic impacts are a few of the top issues that the Idaho Board has been able to advocate for throughout the planning and permitting processes.”

— SCOTTY DAVENPORT, CHAIRMAN OF THE PERPETUA RESOURCES IDAHO BOARD

SOCIAL

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- 25 PEOPLE, HEALTH, SAFETY + WELLBEING

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

This section aligns with the following goals:

3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	8 DECENT WORK AND ECONOMIC GROWTH 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS
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EXPANDING CAREER OPPORTUNITIES FOR STUDENTS

Perpetua Resources believes it can build brighter futures and a stronger community by investing in students. In 2023, Perpetua was proud to partner with Franco-Nevada for a total investment of \$150,000 in community giving. Through this partnership, \$40,000 was dedicated to advance the McCall-Donnelly High School Career Technical Education program which provides workforce training opportunities to the 450 student school district.

The \$40,000 donation allowed the district to expand its early childhood education center, which is key to addressing the community's shortage in qualified childcare workers. It also provided teachers with funds to purchase more supplies to support hands-on learning in the classroom.



“Career and technical education is so important for supporting the local workforce. We do our best to identify what the community needs and we work with our local partners to meet them. Ultimately, we need support from companies like Perpetua Resources and Franco-Nevada, so we can train students

to become potential employees. We are grateful for their donation. The funding is supporting all of our CTE programs and enriching students’ experiences in the classroom.”

—Eric Pingrey,
McCall-Donnelly School District Superintendent

2023 SOCIAL HIGHLIGHTS

COMMUNITY

252 TOURS

of Stibnite since 2014 | **24** in 2023

1,205 Community Presentations & project updates since 2015 | **72** in 2023

77 Office Hours held since 2018 | **13** in 2023

54 Stibnite Advisory Council meetings since 2019 | **12** in 2023

ECONOMIC SUSTAINABILITY

OVER \$108M TOTAL

Idaho spending since 2014 |
~\$8M in 2023

\$3.2M+ total community contributions Since 2014 | **\$269,000** in 2023

\$10,000 in community scholarships

\$89,000 in student scholarships since 2015 | **\$28,000** in 2023

\$214,000+ in STEM and education support since 2019 | **\$28,000** in 2023

2,351 hours of education outreach since 2017 | **146** hours in 2023

15,686 volunteer hours in the community since 2015 | **1,595** hours in 2023

2,900+ hats, gloves, and warm clothes to local students since 2014 | **500** in 2023

33 full-time employees in 2023

83% of employees based in Idaho | **17%** of employees based outside of Idaho

~\$4.8 million total compensation of Perpetua workforce

PEOPLE, HEALTH & SAFETY

100% SAFE

fuel hauls since 2009 (228 total)

97 months with no Lost Time Incidents and **142 months** with no reportable spills as of December 2023

Collectively employees logged over **2,279 training hours** in 2023 | Over **11,505** since 2015

100% employee participation in environmental, occupational health & safety awareness and directed job task specific trainings

50% female executive management and **37% female** workforce

COMMUNITY ENGAGEMENT

EM-MM-210A.3

LISTENING TO COMMUNITY FEEDBACK

Good communication is a prerequisite of responsible mining. Perpetua Resources prides itself on its strong working relationships with many of the communities who live closest to the site. Perpetua is committed to public engagement to build trust, accountability, and transparency.

NUMBER OF COMMUNITY ENGAGEMENT HOURS

2019	2,592	2018	3,053
2021	1,269	2020	1,424
2022	1,064	2023	1,595

15,686
(since 2015)

IN 2023:

24

SITE TOURS
252 SINCE 2014

13

COMMUNITY
OFFICE HOURS
77 SINCE 2018

4

WEBINARS
83 SINCE 2020

114

COMMUNITY
MEETINGS &
PRESENTATIONS
1,205 SINCE 2015

12

STIBNITE
ADVISORY
COUNCIL
MEETINGS
54 SINCE 2019





RESPONDING TO COMMUNITY NEEDS

Responsible mining requires community engagement. Perpetua Resources understands this extends to issues beyond mining, which is why it is committed to helping address regional issues. Here are some ways the Company invested in the community in 2023.

GOLD LINE

Perpetua Resources helped connect communities across the West Central Mountains by contributing funds to a pilot transportation program through Treasure Valley Transit. The Gold Line launched in June, offering free bus rides from New Meadows to McCall on Mondays and Wednesdays. Community members quickly embraced the program and Treasure Valley Transit has plans to expand service to five days a week starting in the summer of 2024.

195 COATS
80 SNOW PANTS
123 GLOVES/HATS
102 BOOTS

were provided for local students in need

COATS FOR KIDS

Perpetua Resources was able to expand its Coats of Kids program in 2023 with matching funds from Franco-Nevada. Together, 195 coats, 80 snow pants, 123 pairs of gloves and hats and 102 pairs of boots were provided to local students in need. Principals and teachers throughout the Cascade, McCall-Donnelly, Meadows Valley, Council and Salmon River School Districts made sure the winter gear was given to the kids who needed it most. Throughout the cold winter months, educators frequently share what a difference these donations make in keeping students warm at recess and outside of school.



FRANCO-NEVADA PARTNERSHIP

Perpetua Resources was honored to partner with Franco-Nevada in 2023 to make targeted social contributions in Idaho. Franco-Nevada committed \$75,000 in 2023 to support Perpetua's work in the local community. These funds matched what Perpetua Resources had earmarked, allowing the company to double its impact in the region.

\$40,000 in Career Technical Education

\$29,000 in Scholarships and Higher Education Support

\$25,000 in STEM Education for Tribes and Idaho Students

\$20,000 Coats and School Supplies for Local Students

\$15,000 Local Transit Support

\$11,000 in Afterschool and Social Programs

\$10,000 in Partnership with Idaho National Guard

MANAGING RISKS AND OPPORTUNITIES

EM-MM-210B.1

Perpetua Resources maintains open lines of communication with local stakeholders to make sure community interests are prioritized through all stages of the Stibnite Gold Project. From monthly meetings of the Stibnite Advisory Council and monthly Office Hours open to all members of the public, to informal engagement in the community, Perpetua maintains an open door to receive feedback from stakeholders.

Potential social impacts were evaluated by the U.S. Forest Service as a part of the NEPA process. The results of this analysis are made available in the Social and Economic Conditions Specialists Report included in the Draft and Supplemental Environmental Impact Statements and detail potential impacts and opportunities to manage and mitigate the risk of negative impacts.

To see more details view the International Finance Corporation's (IFC) Performance Standards on Environmental and Social Sustainability in Appendix B.



ECONOMIC RIGHTS

Perpetua Resources aims to leave a lasting legacy of economic benefits in Valley County and Idaho. The Company has committed to hiring and contracting locally whenever possible. This commitment includes looking to local provisions and suppliers first. This policy is designed to support social, lifestyle, and economic benefits to residents. Additionally, the Stibnite Foundation was created as a means to directly share profits from the mine through a sustained economic and charitable endowment and benefit to the local community for generations to come.

ENVIRONMENTAL RIGHTS

Perpetua Resources is committed to leaving the Project site better than it is today and has used the “Restore the Site” mantra to guide the project design. The rigorous permitting process has required the Project demonstrate compliance with state and federal environmental regulations safeguarding clean air, clean water, wildlife and habitat, responsible waste management and more. These permitting processes require opportunities for public and tribal engagement and feedback before approvals are granted. Financial assurance will also be required to ensure that the reclamation is completed.

SOCIAL RIGHTS

Perpetua is committed to being a good neighbor. This starts with open communication to ensure feedback from local communities is gathered early and often. For this reason, Perpetua entered into a Community Partnership Agreement in 2018. The Agreement codified the Stibnite Advisory Council as an ongoing forum for direct communication and coordination between Perpetua and representatives from communities closest to the Project. The Council will meet with Perpetua leadership through the life of the Project to share information, discuss community needs, and identify partnership opportunities.

Being a good neighbor also includes supporting community interests to make sure direct benefits are received. Perpetua has worked collaboratively with local representatives to assess needs now and into the future. As a result, Perpetua has already invested in workforce training for local students, contributed funds to expand access to housing, childcare, transportation, and medical care in rural Idaho.

STAKEHOLDER ENGAGEMENT

Effective corporate governance requires continuous stakeholder engagement. Perpetua Resources meets regularly with stakeholders, hosting monthly office hours and providing formal avenues for discussion through the Stibnite Advisory Council. Over the last 9 years, Perpetua hosted over 1,205 community meetings and engagements.

Below is a summary of the Company's key stakeholders, general issues of concern, the way in which Perpetua engages with each group and highlights from 2023.

Stakeholders	General issues of concern	Engagement processes	Highlights of 2023 engagements
Shareholders	Share price performance, financial results, permitting progress and results, corporate governance, risk management, ESG performance	Annual and quarterly financial reports, regulatory filings, annual general and special meetings, investor conferences and events, webinars, website, phone calls, emails, mailings and press releases	Several investor conferences, site tours for investors, Annual General Meeting, investor webinars including an ESG specific webinar, and more.
Community Members	Employment opportunities, health and safety, care for wildlife habitat and water, community investments and scholarship programs	Stibnite Advisory Council, Office Hours, community events, site tours	12 Meetings with the Stibnite Advisory Council, 72 Community meetings and Project presentations, 13 open office hours, 24 tours, continued social media.
Employees	Health and safety, Company strategy, diversity and inclusion, training programs, advancement opportunities, wages and benefits.	Employee policy handbook, employee assistance program, safety and other training programs, employee surveys, performance feedback, regular weekly meetings with executive leadership	Continued weekly meetings for all employees and executive leadership. Increased employee safety training hours by 24%.
Municipalities & Local Organizations	Potential impacts of the Project on community socioeconomics, infrastructure, recreational resources and emergency services. Compliance with applicable county and city laws. Effort to find solutions.	Participate in and support local events. Communicate continued compliance with applicable laws through continued interaction with community representatives. Maintain communication pathways & encourage participation.	29 meetings with local cities, counties and civic organizations to update them on the Project. The Stibnite Advisory Council invited vital community groups to come and present to the council to help them plan for the future.
Regulators & Governmental entities (state & federal)	Obtain all necessary approvals and permits and demonstrate compliance with applicable laws and regulation. Demonstrate all appropriate environmental monitoring and reporting programs.	Communicate with relevant agencies to understand permitting process. Conduct regular technical presentations and reviews with agencies to communicate Project objectives and environmental goals. Demonstrating continued Project compliance.	Held weekly meetings with lead agency (USFS) to track progress. Engaged regularly with state and federal permitting agencies on NEPA and ancillary permits.
Non-governmental entities (NGOs)	Impacts to environment and communities, particularly rivers, fish, habitat and at-risk species, such as salmon.	Regular outreach to discuss the Project and gather feedback with environmental organizations in Idaho.	Met with interested NGO groups to discuss the Project and tour Project location.
Tribal/Indigenous Communities	Treaty rights, fish habitat, downstream water quality.	Participation in comment periods, regular meetings, mediation.	Continued outreach to tribal governments. Supported Salmon transplant at the Project site.
Business partners, vendors and suppliers	Economic opportunities, workforce readiness, and a clean supply chain.	Regular meetings, community and business events and personal communications.	Ongoing workforce survey, vendor and supplier intake forms, regular in-person engagement.

STIBNITE ADVISORY COUNCIL



STIBNITE ADVISORY COUNCIL ECONOMIC STUDY

The Stibnite Advisory Council engaged Recon Insight Group in 2023 to conduct a study on the economic impacts of the Stibnite Gold Project. This information will be vital in helping communities understand and prepare for what lies ahead.

Recon Insight Group is led by Timothy Nadreau, Ph.D., an independent research economist. Dr. Nadreau has provided economic consulting services to municipalities, businesses, universities and non-profit organizations for almost two decades. While he works with clients across the country, he has done extensive work in Idaho.

Dr. Nadreau's studies utilize the most up-to-date data and focus on Impact and Contribution analyses and his report on the Stibnite Gold Project was released in 2024.



STIBNITE FOUNDATION

2023 GRANT RECIPIENTS:

Cascade Cultural Arts Center:

The grant will allow the Horizons' Lifestyle and Education Team to bring Artisans' Tour in the Mountain to the region.

Cascade Public Library:

The funding will allow the library to purchase more books to grow its children's collection.

Cascade Rural Fire Protection:

The money will be used to purchase new handheld radios for first responders.

Cascade School District:

The funds will help the school provide meals for students and snacks for the after-school program.

City of New Meadows:

The grant will help fund critical system upgrades to the Adams County 911 system.

City of Riggins:

The money will provide communications services in the City of Riggins ambulance.

Council Junior/Senior High School:

The money will be used to update physical education equipment and provide athletic training clinics.

Donnelly Farmer's Market:

The funding will allow the market to provide food discounts and access to a health educator or dietitian to help advise community members on healthy food choices.

Meadows Valley Public Library:

The grant will allow the library to make multi-media improvements to the library's conference room.

Meadows Valley Rural Fire Department:

The money will fund the purchase of a self-contained breathing tank.

Rise Up 2 Thrive:

The funding will provide support and services to survivors of domestic violence.

Salmon River Joint School District:

The grant will help purchase a new score table for the gymnasium.

Southern Valley County Recreation District:

The funds will help improve the organization's multipurpose room and support the pre-kindergarten program.

Valley County Pathways, Inc:

The money will be used to help build a pathway from downtown Donnelly to the boat docks.

West Central Mountains Youth Advocacy Coalition:

The grant will be used to expand suicide prevention efforts across the region and launch a youth peer-to-peer mental health mentoring program.



STIBNITE FOUNDATION

AN ENDOWMENT FOR THE FUTURE

Perpetua believes the Stibnite Gold Project should impart an economic vitality to its communities that far outlasts the lifespan of the Project. As a part of the 2018 Community Agreement, Perpetua and eight local communities founded the Stibnite Foundation as a charitable nonprofit. Run by a board of representatives from across the region, the Foundation is currently funded by Perpetua Resources based on development milestones and will shift to annual profit-sharing contributions once the Stibnite Gold Project is in production.

To date, Perpetua Resources has contributed \$300,000 to the Foundation along with a contribution of 150,000 shares in the Company. Since 2019, the Foundation board has allocated more than \$190,000 to support local projects. In 2023, the Stibnite Foundation awarded \$32,000 in grants to 15 organizations across the region, including regional fire departments and emergency medical services.

Stibnite Foundation	2019	2020	2021	2022	2023
Contribution in Shares to the Stibnite Foundation	150,000 shares <i>(Represents initial 1.5M shares after the 2021 10:1 consolidation)</i>	0	0	0	0
Contribution in Cash from Perpetua to Stibnite Foundation	\$200,000	\$100,000	\$0	\$0	\$0
Stibnite Foundation community giving	Stibnite Foundation was officially established in 2019	\$64,000	\$36,000	\$58,200	\$32,000
Number of Nonprofit Organizations Receiving Funds	Stibnite Foundation was officially established in 2019	14	10	17	15
Number of Foundation Meetings	12	11	11	11	11

ECONOMIC SUSTAINABILITY & DEVELOPMENT

EM-MM-210B.1

LOCAL ECONOMIC CONTRIBUTIONS

Perpetua Resources has carefully designed its Stibnite Gold Project to benefit the local community. Not only will the Project finance much-needed environmental restoration, it will also inject millions of dollars into Idaho’s economy, bring hundreds of jobs to rural Idaho and contribute significant local and state tax revenue.

In 2023, Perpetua Resources provided full-time employment to 33 individuals and purchased goods and or services from 176 Idaho vendors. The Company provided \$4.8 million in total cash compensation to its workforce and spent a total of \$8.2 million USD in the state over the past year. Perpetua’s positive economic impact will continue to grow as the Project moves forward.

MEET PERPETUA’S APPRENTICES

Perpetua committed early on to hiring, contracting and purchasing supplies and services locally, whenever possible. This commitment helps ensure economic benefits are felt locally and that the Company’s staff and contractors are representative of the values, identities, experiences and needs of the region. In partnership with Iron Woman Construction and Environmental Services, Perpetua welcomed apprentices from the College of Western Idaho to site to assist with the ongoing cleanup work in the summer of 2023.



“My favorite part about being up at the mine has just been working around a team that is devoted to safety and is always trying to do things the right way from an environmental perspective.”

—Armando Lopez,
College of Western Idaho student and scholarship recipient

SOCIAL CONTRIBUTIONS & INVESTMENTS

Perpetua wants the Stibnite Gold Project to be a driver for good. One of the most tangible ways to make this happen is through investing in the communities closest to the Project. Whenever possible, Perpetua supports charitable organizations, contributes to community projects, schools and hospitals, and purchases goods locally to keep the economic impact close to home.

Measuring Local Impact	2020	2021	2022	2023	TOTAL
Total Community Giving	\$303,100	\$373,300	\$460,200	\$269,500	\$1,406,100
Charitable Contributions	\$49,000	\$49,900	\$42,000	\$45,500	\$186,400
Sponsorships of Community Organizations and Events	\$75,400	\$63,800	\$18,100	\$41,800	\$199,100
Sustainability Programs	\$137,900	\$221,500	\$358,500	\$53,600	\$771,500
Education Outreach and STEM Programming	\$40,700	\$38,000	\$41,400	\$28,700	\$148,800
Stibnite Advisory Council Independent Water Monitoring Program started in 2021	Program started in 2021	\$89,000	\$90,000	\$71,700	\$250,700
Scholarships for Idaho Students	\$10,600	\$12,000	\$10,300	\$28,000	\$60,900
Contribution to Stibnite Foundation	\$100,000	NA	NA	NA	\$100,000

PEOPLE, HEALTH, SAFETY & WELLBEING

EM-MM-160A.1, EM-MM-320A.1

HAZARD IDENTIFICATION & MITIGATION

Perpetua Resources follows Occupational Safety and Health Administration (OSHA) standards and reporting, through its Project specific Environmental, Occupational, Health and Safety (EOH&S) Integrated Management System. The Company is not yet regulated by Mine Safety and Health Administration (MSHA) standards, because the Project is not currently in operations, but will be in the future.

SAFETY TRAINING

Perpetua Resources team members participate in a safety training exercise.



2023 HEALTH & SAFETY MEASURES

0	OSHA Lost Time Incidents
0	Fatalities
6	Near Miss Frequency Rate
2,279	Employee Health & Safety Training Hours
3,063	Contractor Health & Safety Training Hours

HEALTH & SAFETY TRAINING

Safety is paramount to Perpetua’s culture and business. As the Stibnite Gold Project prepares for construction and operations, the Company continues to promote its safety culture, while making training resources available to staff, contractors, and surrounding communities.

In 2023, employees logged **2,279** hours of training and contractors completed **3,063** hours. In fact, employees logged 24% more training hours year over year and contractor training increased by 460% with more workers on site assisting with early cleanup activities.

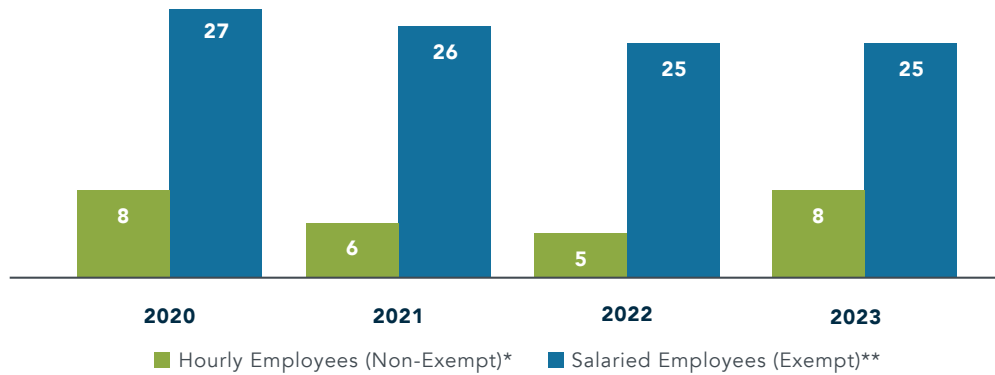
LABOR PRACTICES

GENDER DIVERSITY

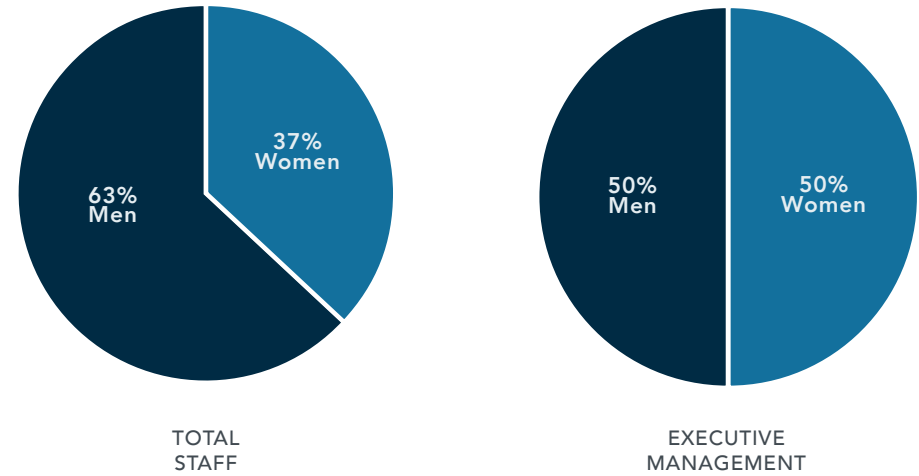
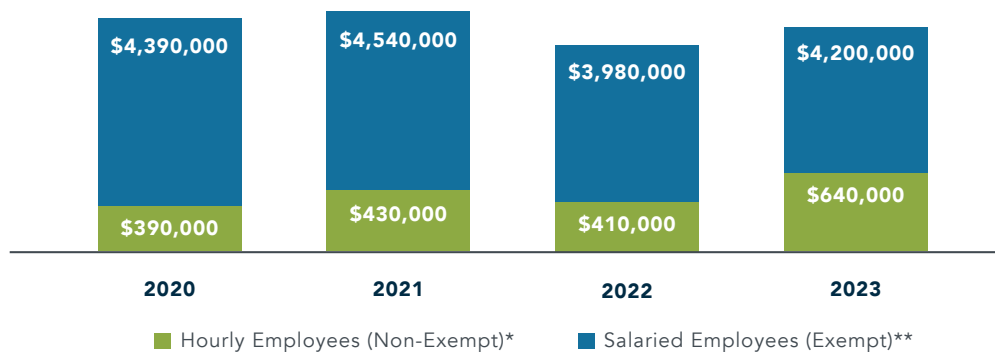
Perpetua Resources knows a diverse set of experiences, expertise and identities make its team stronger. Relative to industry norms, the Company’s senior management and staff reflect greater gender diversity. As of December 31, 2023, **50% of executive management (including the CEO) and 37% of Perpetua’s workforce were female.** Perpetua Resources remains committed to promoting a diverse workforce.



NUMBER OF EMPLOYEES



TOTAL CASH COMPENSATION



FAIR LABOR PRACTICES

EM-MM-210B.1, EM-MM-210A.3

Once in operations, all suppliers of goods and services to the Stibnite Gold Project will be required to uphold a Supplier Code of Ethics, including respect for fundamental human rights and labor rights for all employees, anti-discrimination employment policies and the prohibition of forced or compulsory and child labor.

NON-TECHNICAL DELAYS

EM-MM-210B.2

There were no non-technical work delays to be reported in 2023.

*As of December 31, 2023

**Total cash compensation includes wages, bonuses and employer paid benefits. Excludes equity compensation.

HUMAN RIGHTS

EM-MM-210A.3, EM-MM-210B.1

RIGHTS OF INDIGENOUS PEOPLES & PROTECTION OF CULTURAL HERITAGE

Under the National Environmental Policy Act (NEPA), the U.S. Forest Service has actively participated in Government-to-Government Consultation with three indigenous tribes, integrating ethnographic research to evaluate the potential effects of the proposed Project on cultural heritage. The project proponent, Perpetua Resources has extended financial support to the tribes to facilitate updating their respective ethnographic studies used by the U.S. Forest Service in the NEPA analysis.



Independent of the Government-to-Government Consultation, the Company has consistently pursued engagement with tribal governments to understand their concerns, seek collaborative solutions, and establish an open dialogue.

Perpetua Resources is committed to seeking tribal feedback, incorporating tribal insights, and collaborating on shared objectives. By doing so, the Stibnite Gold Project can enhance water quality, fish populations, wildlife, and other natural resources at Stibnite to benefit all of Idaho.

In 2023, Perpetua Resources and the Nez Perce Tribe settled the Tribe's Clean Water Act lawsuit filed in 2019. Under the Settlement Agreement, Perpetua will provide the Tribe \$5 million over four years, with \$1 million set aside for legal costs and \$4 million designated for the South Fork Salmon Water Quality Enhancement Fund and in-kind work by Perpetua related to cleanup of the abandoned Cinnabar mine site. The Fund will support projects for river and water quality enhancement in the region chosen by the Tribe and in coordination with Perpetua and the U.S. Environmental Protection Agency and the U.S. Forest Service.



HUMAN RIGHTS POLICIES AND PRACTICES

Perpetua has established clear and comprehensive policies that outline the Company’s commitment to respecting human rights and indigenous rights. We facilitate annual training, along with educational programs, to raise awareness among employees about these policies and their importance.

HUMAN RIGHTS DUE DILIGENCE PROCESS

In compliance with U.S. laws and regulations, Perpetua ensures human rights are upheld in its operations. The Company’s commitment to uphold human rights aligns with the UN Guiding Principles on Business and Human Rights.” Should any human rights violations be identified, Perpetua will promptly address, communicate actions taken, and monitor to prevent recurrence.

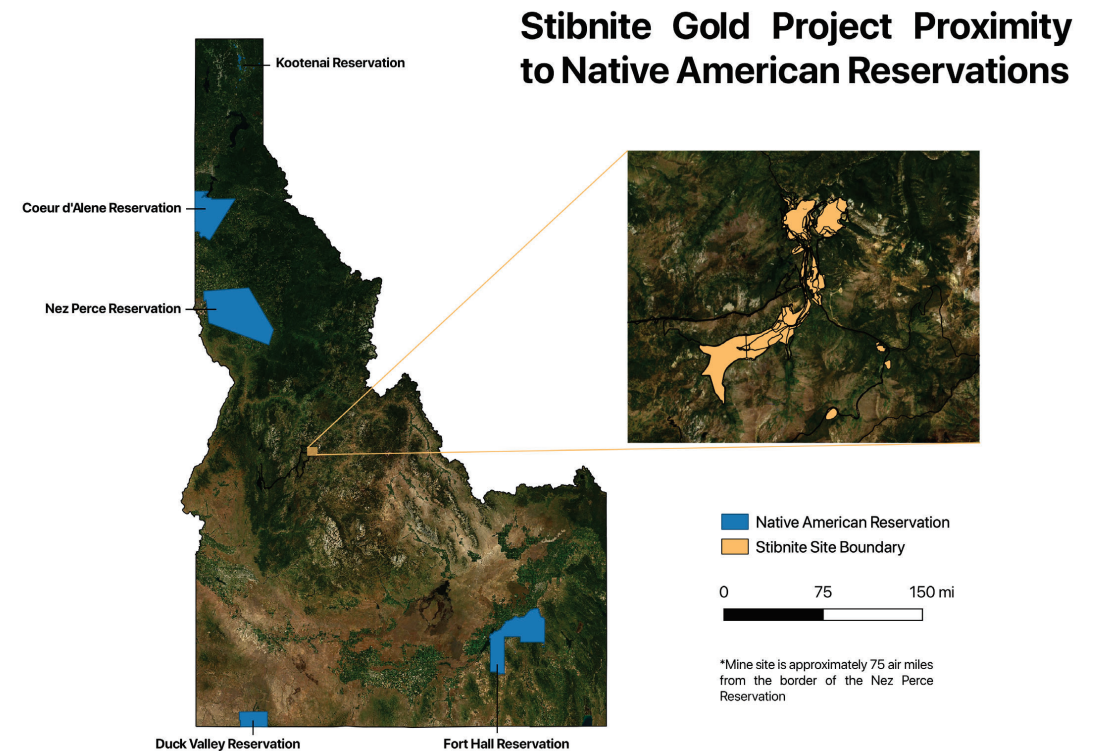
PROJECT GRIEVANCE PROCESS

As Perpetua expands its operations, the Company will evaluate implementing a formal grievance response process to offer an effective and transparent avenue for stakeholders to voice concerns. Currently, the Company provides opportunities for stakeholders to share feedback through regular Office Hours, a confidential whistleblower line, a public safety forum, and the Stibnite Advisory Council.



PROCEDURES FOR OPERATING IN AREAS OF CONFLICT

The Voluntary Principles on Security and Human Rights and the Organization for Economic Co-operation and Development (OECD) Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas are not directly applicable to Perpetua due to well established U.S. legal and regulatory frameworks, which mitigate the risk of conflict-related issues and human rights violations. Perpetua will review and update its policies should issues arise.





ENVIRONMENT

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UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

This section aligns with the following goals:

6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION 	15 LIFE ON LAND 
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2023 ENVIRONMENT HIGHLIGHTS

AIR, WATER & HABITAT

\$207,000+

for dust abatement
since 2014

Continued early cleanup actions to address
legacy water contamination

\$936,000+ for dust abatement and road
maintenance since 2014

WASTE

5,463 POUNDS

recycled since 2014

83 pounds recycled in 2023

CLIMATE

ON-SITE SOLAR

generation mitigated CO2
emissions equivalent to
the absorption capacity
of **155 trees**

Completed third GHG emissions audit in 2023



EARLY CLEANUP CONTINUES

EM-MM-540A.3



\$17
MILLION
investment to
improve water quality

Perpetua Resources has invested nearly \$17 million in improving water quality in the historic Stibnite Mining District since 2021. In 2023, the Company entered the final stages of moving more than 325,000 tons of legacy mine waste away from sensitive waterways and relocating it to a repository on site, where it can be safely stored.

Water quality on site has been degrading for decades due to the millions of tons of unconstrained tailings and mine waste left behind by previous operators. The cleanup is part of a multi-year, multi-million-dollar investment by Perpetua designed to improve environmental conditions at site before operations begin. Cleanup actions focused on locations that sit outside the footprint of Perpetua’s proposed Stibnite Gold Project and would be left untouched if it wasn’t for the Company’s voluntary cleanup efforts.

Perpetua was granted permission to take voluntary action to address pressing water quality concerns through an agreement signed in 2021 between the Company, the Environmental Protection Agency, and the United States Forest Service.



WATER & AIR QUALITY

The Stibnite Gold Project was designed to be protective of air quality and water quality. The Project will have to meet the regulatory demands of permitting and oversight guided by the Clean Air Act and the Clean Water Act.

The site is located in a low-risk water area as defined by the World Resources Institute Aqueduct Water Risk Atlas. The proposed mine site is located in the Salmon River watershed and historical mining activities have impacted water and aquatic habitat quality in the waterways at the project location which feed into the Salmon River.

DUST ABATEMENT

EM-MM-210B.1

Perpetua Resources is mindful of keeping dust down at site to prevent it from affecting air and water quality. Dust abatement is, and will continue to be, a high priority across the site.

Perpetua has invested over **\$207,000** in reducing dust on roads on site and leading to the Project since 2014, including over **\$58,120** in 2023. Almost every spring, Perpetua grades the public roads leading to the Project to keep excess sediment from entering the watershed and to make the roads safer for travel.

As the Project progresses, Perpetua will be required by state air permits to monitor fugitive dust and implement best management practices to control and mitigate potential dust generation.



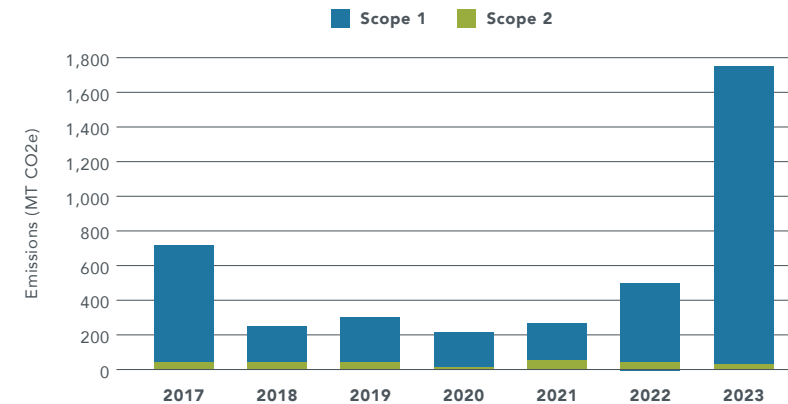
GREENHOUSE GAS (GHG) EMISSIONS

EM-MM-110A.1 AND EM-MM-110A.2

Perpetua has committed to third-party verified carbon accounting and mitigation. Scope 1 and 2 GHG emissions have been audited since 2017 and will continue to be accounted for while attempting to improve emission rates and identify opportunities for carbon emission offsets going forward. Once the final Project design is approved and moves into operation, more specific data on emissions will be made available, including Scope 3 GHG emissions.

For more details, see Appendix C.

The chart below illustrates the changes in Scope 1 and 2 emissions from 2020-2023.



The rise in GHG emissions observed in 2023, relative to previous years, can be attributed to the use of equipment, diesel generators, and machinery to support the following activities:

1. Removal and relocation of 325,000 tons of legacy waste rock and earthen materials, to remove contact with streams and address soil and groundwater concerns. This has been conducted as part of remediation efforts under an Administrative Settlement Agreement and Order on Consent.
2. Yellow Pine pit aquifer pump test and drilling.
3. Drilling, extraction and transportation of core under the agreement through the Department of Defense Ordnance Technology Consortium to obtain additional core samples from the Project site to demonstrate a fully domestic antimony trisulfide supply chain.
4. To provide heat, lighting, and electricity for the mining camp personnel.

WASTE & TAILINGS MANAGEMENT

Perpetua Resources is not currently in operations, therefore it has not produced any mineral waste or tailings. At this point, the Company is not operating a tailings storage facility.

WASTE & HAZARDOUS MATERIALS MANAGEMENT

EM-MM-150A.4 AND EM-MM-150A.10

In preparation for mining to begin on site, Perpetua has created a Waste Management Plan to guide the safe handling, storage, and disposal of all waste streams (solid, special, and hazardous) generated at Stibnite. This plan ensures compliance with the Resource Conservation and Recovery Act and includes guidelines for the responsible use of potentially hazardous materials. Perpetua's policies and procedures pertaining to waste and hazardous materials are consistent with federal and local laws and regulations. As the Company moves into future operational phases, it will establish additional policies and procedures tailored to the specific chemicals and materials used in processing.

ETHOS ON WASTE MANAGEMENT

Perpetua's waste and hazardous materials management strategy is informed by Perpetua's Environmental Policy contained in the ESG Policy. The Environmental Policy addresses the Company's approach to legacy waste management and future waste management once the project enters productive operations and includes policies related to mineral and non-mineral waste.



Perpetua Resources has gone
142 MONTHS
with no reportable spills.



WASTE DETERMINATION

Perpetua has developed a Waste Determinations guide to explain the steps involved in making a waste determination and the associated documentation requirements. As mentioned in the Supplemental Draft Environmental Impact Statement (SDEIS), Perpetua has plans, including the Environmental Legacy Waste Management Plan and Waste Management Plan, for the analysis, design, and monitoring of waste and waste facilities. Additionally, Perpetua will augment its existing Spill Prevention Control and Countermeasure (SPCC) and its Transportation Risk Management Plan to address the packaging, transportation, and the incident response and reporting of hazardous wastes as it transitions from permitting, through construction and into operations.

DISCLOSURE THRESHOLDS

Perpetua Resources adheres to strict hazardous waste management standards set by the Clean Water Act and Idaho Department of Environmental Quality. For comprehensive plans and incident response procedures, refer to the U.S. Forest Service's 2022 SDEIS.

SAME STANDARDS FOR PERPETUA'S PARTNERS

To ensure waste is handled in a responsible manner, Perpetua's Supplier Standard requires business partners to comply with all applicable Perpetua environmental standards and legal regulations.

COMPLIANCE

Perpetua maintains a robust approach to waste and hazardous materials compliance, featuring clearly defined roles and responsibilities for all personnel involved. This approach is supported by a comprehensive training program and thorough record-keeping. This systematic method ensures all personnel are equipped to handle waste and hazardous materials safely, while adhering to all applicable regulations.

TAILINGS MANAGEMENT

EM-MM-150A.4 AND EM-MM-150A.10

The Project mine plan incorporates the cleanup and safe storage of legacy materials along with all tailings generated by Project operations in the proposed Tailings Storage Facility (TSF), which is designed with a rockfill buttress such that it will considerably exceed state-mandated geotechnical factors of safety, and aligned with best practices and state and federal requirements. Perpetua's tailings management is guided by the conservative TSF design criteria and Operations, Maintenance & Surveillance (OMS) Manual. As required by state regulations, normal and emergency operating procedures are laid out in the OMS Manual. Additional emergency procedures will be included in the forthcoming Emergency Action Plan required under state Dam Safety regulations.

Transparency into the design, performance standards, and maintenance required for a tailings facility and conducting an independent 3rd party review are important components to responsible tailings management. Last year, Perpetua received 3rd party validation regarding the safety of the design of the tailings storage facility.

The vision behind the Stibnite Gold Project was always to use redevelopment of the historical site to provide a solution for the legacy tailings that were left behind. To get a jump start on this goal, Perpetua has begun the cleanup of legacy materials, including tailings, following EPA rules and regulations. With nearly \$17.0 million of work dedicated to this project since 2021, 325,000 tons of legacy materials have been moved.

CLIMATE CHANGE & ENERGY MANAGEMENT

Perpetua Resources is mindful of its impact on the environment, surrounding communities, and the climate. The Company has built many climate resilience measures into its Project and is committed to:

1. Sourcing low-carbon, low-emissions hydroelectric energy through Idaho Power Company for project operations;
2. Providing antimony to Ambri for long-duration energy storage batteries, that could help power ~1 million American homes with solar on a daily cycle for 20 years –offsetting the GHG footprint of the Stibnite Gold Project;
3. Conducting annual audits and disclosure of scope 1 & 2 GHG emissions;
4. Identifying science-based carbon mitigation and offset opportunities in operations;
5. Revegetating legacy unreclaimed mine and wildfire-burned land by planting approximately 3,600 trees annually during operations, which can beneficially sequester carbon and moderate temperatures;
6. Implementation of the voluntary Wildlife Habitat Management Plan which would result in considerable revegetation that would sequester carbon, reduce local air temperature, and improve local climate resiliency;
7. Mandating employee bussing/vanpooling to the Project location during operations for the majority of employees reduces trips and associated vehicle GHG contributions.



HABITAT & BIODIVERSITY

EM-MM-160A.1, AND EM-MM-160A.3

Today, habitat and biodiversity are impacted by the environmental legacies left behind at Stibnite after over a century of mining activity. Perpetua designed the Stibnite Gold Project to not only open fish access to miles of currently blocked critical stream habitat but to also improve the overall stream habitat conditions.

At the commencement of operations, the Project will allow fish to return to their native spawning grounds before mining begins by constructing a temporary 0.9-mile fish passageway. The 2022 Supplemental Draft Environmental Impact Statement concluded, the biggest benefit to Chinook salmon and steelhead will occur in Mine Year -1 when this feature is constructed because it will allow these species to volitionally access habitat that has not been naturally accessible for decades (SDEIS 4.12.2:p.4-343).

Through the life of the Project, the natural course of the East Fork of the South fork of the Salmon River (EFSFSR) will be restored with an anticipated 9% uplift in habitat quality (functional units), 20+ miles of additional stream habitat will be accessible to migrating fish species, and water quality will be improved over existing conditions.

CRITICAL HABITAT

The EFSFSR and its tributaries are home to three fish species listed as “threatened” under the U.S. Endangered Species Act (ESA): Snake River spring/summer Chinook salmon, Snake River steelhead and bull trout. The EFSFSR, including the stretch that runs through the Project site, is designated as a critical habitat under the ESA for Snake River spring/summer Chinook, bull trout and steelhead.

The conditions of the river today are less than optimal, which is why Perpetua has designed the Stibnite Gold Project to restore the habitat and leave the area better for the fish and wildlife of the region.

More details of this habitat and Perpetua’s plan to mitigate impact to that habitat can be found in the SDEIS.





MANAGEMENT PLANS

Perpetua tracks all regulations regarding ecological and biodiversity impacts, waste generation, noise impacts, air emissions, discharges, natural resource consumption, and hazardous chemical usage. For further details, see the SDEIS, Table 2.4-12.

IMPACT MITIGATION

Perpetua Resources is mindful of its future potential impacts on the environment and surrounding communities. The team does all it can to reduce its footprint. Analysis by the U.S. Forest Service in its 2022 Supplemental Draft Environmental Impact Statement showed changes Perpetua Resources has made changes to its original mine plan would reduce environmental impacts, including:

- Decreased on-site disturbance footprint, a 13% reduction from 2016 design
- Reduced mined material by 10% (44 million tons)
- Reduced mine operations traffic by >20% by using on-site mined limestone for ore processing
- Eliminated waste rock storage areas (168 acres)
- Reduced volume of Hangar Flats pit by 70% and completely backfilled pit
- Added geosynthetic covers to backfilled mine pits, TSF buttress and the full footprint of the TSF to protect long-term water quality
- Increased riparian vegetation and low flow channels to reduce water temperature
- Replaced bull trout habitat in Yellow Pine pit lake with a similarly designed reclamation feature in the East Fork of the South Fork of the Salmon River
- Modified ore processing circuit to improve tailings chemistry
- Added a leakage collection and recovery system to the TSF liner design

Impact mitigation is engrained in the Company's culture and it will stay top of mind as the Project moves forward.

APPENDIX A

SASB Disclosure Table

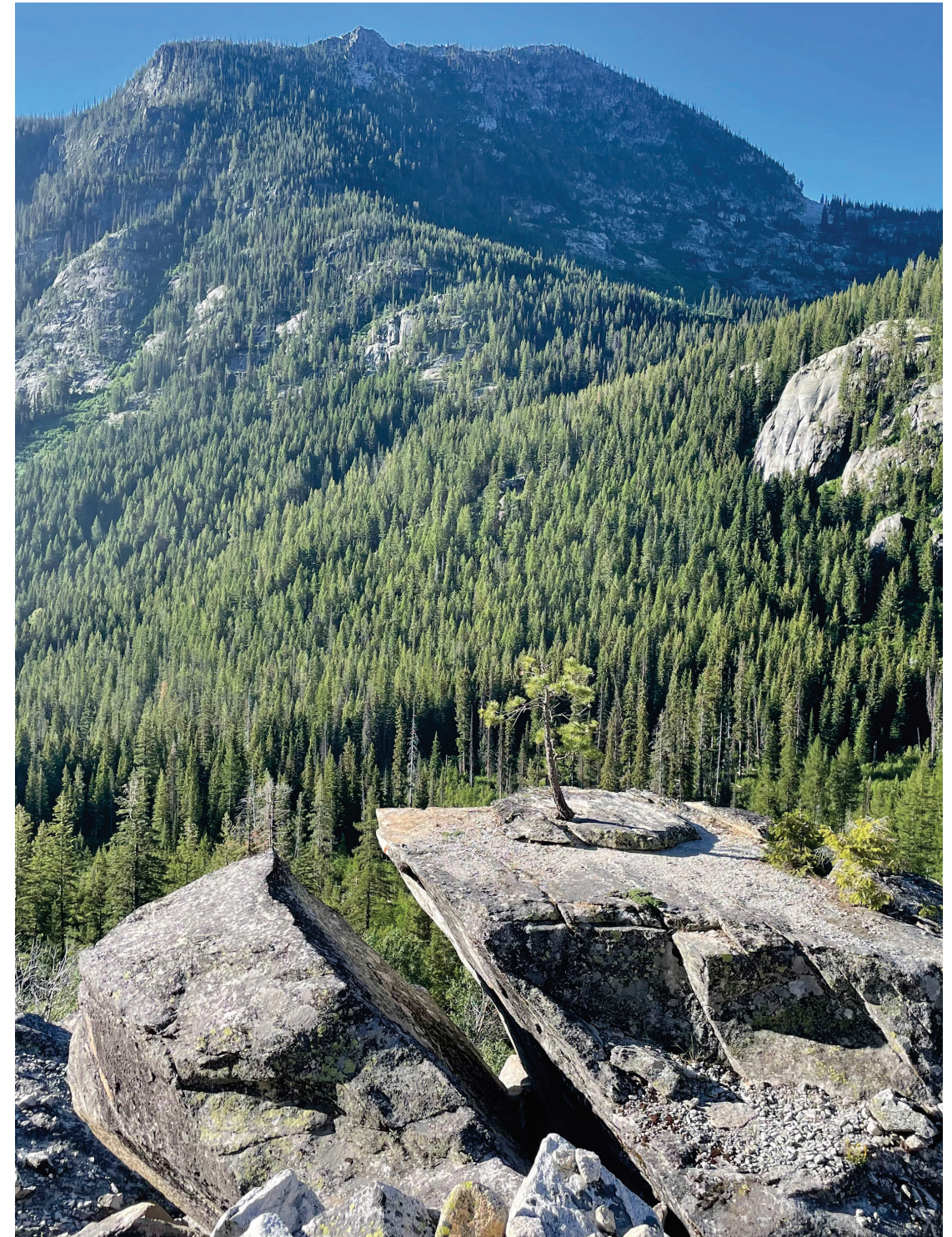
This table summarizes our commitment to sustainability, aligning with the IFRS Foundation's SASB Metals and Mining Standard. It provides annual quantitative data for each fiscal year (January 1 - December 31).

Topic	SASB Disclosure	2019	2020	2021	2022	2023	Unit of Measure	SASB Code	Footnote
Greenhouse Gas Emissions	Gross global Scope 1 emissions	265 (1)	202 (1)	221 (1)	467	1,727	Metric tons (t) CO ₂ -e	EM-MM-110a.1 (2)	1. A discrepancy has been corrected for the 2019-2021 Scope 1 emissions values. The updated figures ensure a more accurate representation of our emissions data. 2. Scope 1 emissions were calculated based on total consumption of diesel, gasoline, and propane fuels, as well as refrigerants. Details regarding methodology and emissions factors can be found in the Perpetua Resources GHG Inventory Report.
Greenhouse Gas Emissions	Percentage covered under emissions-limiting regulations	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-110a.1	
Air Quality	(1) Carbon Monoxide (CO)	1.6	1.2	1.3	2.8	10.1	Metric tons (t)	EM-MM-120a.1 (3)	3. Air emissions were calculated based on total consumption of diesel, gasoline, and propane fuels. Details regarding methodology and emissions factors can be found in the Perpetua Resources GHG Inventory Report.
Air Quality	(2) Nitrogen Oxide (NO _x), (excluding N ₂ O)	6.6	5	5	11	44.2	Metric tons (t)		
Air Quality	(3) Sulfur Oxide (SO _x)	0.4	0.3	0.3	0.7	2.9	Metric tons (t)		

Topic	SASB Disclosure	2019	2020	2021	2022	2023	Unit of Measure	SASB Code	Footnote
Air Quality	(4) Particulate matter (PM ₁₀)	0.5	0.3	0.3	0.8	3.1	Metric tons (t)	EM-MM-120a.1 (3)	3. Air emissions were calculated based on total consumption of diesel, gasoline, and propane fuels. Details regarding methodology and emissions factors can be found in the Perpetua Resources GHG Inventory Report.
Air Quality	(5) Mercury (Hg)	0	0	0	0	0	Metric tons (t)		
Air Quality	(6) Lead (Pb)	0	0	0	0	0	Metric tons (t)		
Air Quality	(7) Volatile organic compounds (VOCs)	0.9	0.7	1.2	2.4	5.8	Metric tons (t)		
Energy Management	(1) Total energy consumed	4,237	2,968	3,643	7,030	24,799	Gigajoules (GJ)		4. A discrepancy has been corrected for the 2019-2022 total energy consumed values. In previous reports, reported values included electricity consumption only. The values listed have been updated to reflect all energy consumption, including fuel use.
Energy Management	(2) Percentage grid electricity (5)	11.0%	4.0%	14.0%	5.0%	1.0%	Percentage (%)	EM-MM-130a.1 (4)	5. The percentage of grid electricity was calculated by dividing the total electricity consumed by the total energy consumed.
Energy Management	(3) Percentage renewable (6)	0.8%	0.7%	0.6%	0.2%	0.1%	Percentage (%)		6. The percentage of renewable electricity was calculated by dividing the total amount of renewable electricity consumed by the total amount of energy consumed.

Topic	SASB Disclosure	2019	2020	2021	2022	2023	Unit of Measure	SASB Code	Footnote	Topic	SASB Disclosure	2019	2020	2021	2022	2023	Unit of Measure	SASB Code	Footnote
Water Management	(1) Total water withdrawn	0.91	0	0.06	0.05	13.89	Thousand cubic meters (m³)	EM-MM-140a.1	7. Water consumption estimates were calculated using employee headcount, working days, and an estimated 13 gallons/day/employee sourced from the EPA's Energy Star Portfolio Manager. Office employees are mostly remote. Water consumed accounts for Stibnite site employees and 15% of office employees.	Waste & Hazardous Materials Management	Number of significant incidents associated with hazardous materials and waste management	Not applicable: the company has not produced tailings					Number	EM-MM-150a.9	
Water Management	(2) Total water consumed (7)	0.41	0	0.12	0.12	0.18	Thousand cubic meters (m³)			Biodiversity Impacts	Percentage of mine sites where acid rock drainage is: (1) predicted to occur	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-160a.2	
Water Management	List of facilities or operations which are located in areas of High or Extremely High Baseline Water Stress	N/A	N/A	N/A	N/A	N/A	List	Biodiversity Impacts	Percentage of mine sites where acid rock drainage is: (2) actively mitigated	0%	0%	0%	0%	0%	Percentage (%)				
Water Management	Percent of water withdrawn in areas of High or Extremely High Baseline Water Stress	0%	0%	0%	0%	0%	Percentage (%)	Biodiversity Impacts	Percentage of mine sites where acid rock drainage is: (3) under treatment or remediation	0%	0%	0%	0%	0%	Percentage (%)				
Water Management	Percent of water consumed in areas of High or Extremely High Baseline Water Stress	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-140a.2		Biodiversity Impacts	(1) Percentage of proved reserves in or near sites with protected conservation status or endangered species habitat	100%	100%	100%	100%	100%	100%	EM-MM-160a.3 (9)	9. Proximity to endangered species habitats is defined as within 5km. All reserves at the Stibnite site are within 5km of the EFSFSR, which is designated as critical habitat under the ESA for Chinook, Steelhead and Bull Trout.
Water Management	Number of incidents of non-compliance associated with water quality permits, standards, and regulations	0	0	0	0	0	Number			Biodiversity Impacts	(2) Percentage of probable reserves in or near sites with protected conservation status or endangered species habitat	100%	100%	100%	100%	100%	100%		
Waste & Hazardous Materials Management	Total weight of non-mineral waste generated (8)	6.1	0.8	2.5	2.5	2.7	Metric tons (t)			EM-MM-150a.4	8. Non mineral waste was calculated based on employee headcount, working days, and an estimated 3.24 lbs of waste/person/day sourced from the EPA. Office employees are mostly remote. Waste estimated account for Stibnite site employees and 15% of office employees.	Security, Human Rights & Rights of Indigenous Peoples	(1) Percentage of proved reserves in or near areas of conflict	0%	0%	0%	0%		
Waste & Hazardous Materials Management	Total weight of tailings produced	Not applicable: the company has not produced tailings						Metric tons (t)	EM-MM-150a.5	Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near areas of conflict	0%	0%	0%	0%	0%	Percentage (%)		
Waste & Hazardous Materials Management	Total weight of waste rock generated	Not applicable: the company has not produced tailings						Metric tons (t)	EM-MM-150a.6	Security, Human Rights & Rights of Indigenous Peoples	(1) Percentage of proved reserves in or near indigenous land	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-210a.2 (11)	11. Per SASB, proximity to indigenous lands is defined as within 5km. The Stibnite site is not within 5km of indigenous lands..
Waste & Hazardous Materials Management	Total weight of hazardous waste generated	Not applicable: the company has not produced tailings						Metric tons (t)	EM-MM-150a.7	Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near indigenous land	0%	0%	0%	0%	0%	Percentage (%)		
Waste & Hazardous Materials Management	Total weight of hazardous waste recycled	Not applicable: the company has not produced tailings						Metric tons (t)	EM-MM-150a.8	Security, Human Rights & Rights of Indigenous Peoples	(2) Percentage of probable reserves in or near indigenous land (may combine with above)	0%	0%	0%	0%	0%	Percentage (%)		

Topic	SASB Disclosure	2019	2020	2021	2022	2023	Unit of Measure	SASB Code	Footnote
Community Relations	Number of non-technical delays	0	0	0	0	0	Number	EM-MM-210b.2	
Community Relations	Duration of non-technical delays	0	0	0	0	0	Days		
Labor Relations	Percentage of active workforce covered under collective bargaining agreements, broken down by U.S. and foreign employees	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-310a.1	
Labor Relations	Number of strikes and lockouts	0	0	0	0	0	Number	EM-MM-310a.2	
Labor Relations	Duration of strikes and lockouts	0	0	0	0	0	Days		
Workforce Health & Safety	(1) MSHA all-incidence rate (12)	0	0	0	0	0	Rate	EM-MM-320a.1	12. Perpetua Resources does not currently fall under MSHA regulations.
Workforce Health & Safety	(2) Fatality rate	0	0	0	0	0	Rate		13. Rates are calculated as (statistic count x 200,000) / total hours worked.
Workforce Health & Safety	(3) Near miss frequency rate (NMFR) (13)	0	0	38.7	19.98	6.03	Rate		
Workforce Health & Safety	(4a) Average hours of health, safety, and emergency response training for full-time employees	29	16	50	61	69	(a) Hours per employee		
Workforce Health & Safety	(4b) Average hours of health, safety, and emergency response training for contract employees	N/A	N/A	N/A	N/A	N/A	(b) Hours per contractor		
Business Ethics & Transparency	Production in countries that have the 20 lowest rankings in Transparency International's Corruption Perception Index	0	0	0	0	0	Metric tons (t) saleable	EM-MM-510a.2	
Tailings Storage Facilities Management	Tailings storage facility inventory table	Not applicable: mining operations have not yet commenced					Various, SASB-specific format	EM-MM-540a.1	
Activity metric	Production of metal or ore finished metal	Not applicable: mining operations have not yet commenced					Metric tons (t)	EM-MM-000.A	
Activity metric	Total number of employees	35	35	32	30	33	Number	EM-MM-000.B	
Activity metric	Percentage contractors (14)	0%	0%	0%	0%	0%	Percentage (%)	EM-MM-000.B	14. While Perpetua utilizes contractors and subcontractors for specialized projects, the company does not utilize contract employees at this time.



APPENDIX B

International Finance Corporation (IFC) Alignment Tables

COMMUNITY RIGHTS AND INTERESTS EM-MM-210B.1

SASB Community Relations	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 4	
To anticipate and avoid adverse impacts on the health and safety of the Affected Community during the project life from both routine and non-routine circumstances.	<p>Sustainability Report:</p> <ul style="list-style-type: none"> • Materiality assessment • ERM process • Stibnite Advisory Council Community Needs Assessment • Hazard Identification & Mitigation (section 2.3.1) • Stakeholder Engagement (section 2.1.4) <p>SDEIS - supporting documents:</p> <ul style="list-style-type: none"> • Social and Economic Conditions Specialist Report • Heritage Resources Specialist Report • Tribal Rights and Interests Specialist Report • Recreation Specialist Report • Water Quantity Specialist Report • Water Quality Specialist Report • Air Quality Specialist Report • Noise Specialist Report • Access and Transportation Specialist Report • Scenic Resources Specialist Report
To ensure that the safeguarding of personnel and property is carried out in accordance with relevant human rights principles and in a manner that avoids or minimizes risks to the Affected Communities.	<p>Standard Addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Shared Training & Resources (section 2.4.2) • EOH&S Management System <p>Whistleblower Policy</p> <p>Code of Conduct and Ethical Policy</p>

COMMUNITY RIGHTS AND INTERESTS EM-MM-210B.1

SASB Community Relations	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 5	
To anticipate and avoid adverse impacts on the health and safety of the Affected Community during the project life from both routine and non-routine circumstances.	Standard Addressed within: NEPA process - SDEIS alternatives analysis
To avoid forced eviction.	
To anticipate and avoid, or where avoidance is not possible, minimize adverse social and economic impacts from land acquisition or restrictions on land use by (i) providing compensation for loss of assets at replacement cost and (ii) ensuring that resettlement activities are implemented with appropriate disclosure of information, consultation, and the informed participation of those affected.	
To improve, or restore, the livelihoods and standards of living of displaced persons.	
To improve living conditions among physically displaced persons through the provision of adequate housing with security of tenure at resettlement sites.	
STANDARD 8	
To protect cultural heritage from the adverse impacts of project activities and support its preservation.	Standard Addressed within: Sustainability Report:
To promote the equitable sharing of benefits from the use of cultural heritage.	<ul style="list-style-type: none"> • Stakeholder Engagement (section 2.1.4) • Human Rights (section 2.4.4) <p>ESG Policy</p> <p>SDEIS - Heritage Resources Specialist Report, Tribal Rights and Interests Special Report</p>

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Biodiversity Impacts	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 1	
<p>To identify and evaluate environmental and social risks and impacts of the project.</p> <p>(If assets to be developed, acquired or financed have yet to be defined, the establishment of an environmental and social due diligence process will identify risks and impacts at a point in the future when the physical elements, assets, and facilities are reasonably understood)</p>	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Materiality assessment • ERM process • Stibnite Advisory Council Community Needs Assessment • Hazard Identification & Mitigation (section 2.4.1) • SDEIS* <p>ESG Policy</p> <p>NEPA Process</p> <ul style="list-style-type: none"> • ESA Section 7 consultation
<p>To adopt a mitigation hierarchy to anticipate and avoid, or where avoidance is not possible, minimize, and, where residual impacts remain, compensate/ offset for risks and impacts to workers, Affected Communities, and the environment.</p>	<p>Standard addressed within:</p> <ul style="list-style-type: none"> • SDEIS* <p>2021 ModPRO2 (section 4, Mitigation Plans)</p> <p>2016 PRO (section 2 core values, net benefit goal)</p> <p>Section 7 ESA consultation</p>
<p>To promote improved environmental and social performance of clients through the effective use of management systems.</p>	<p>Standard addressed within:</p> <p>ESG policy</p> <p>Code of Conduct and Ethical Policy</p> <p>Whistleblower Policy</p> <p>ERM process</p>

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Biodiversity Impacts	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 1 CONT.	
<p>To ensure that grievances from Affected Communities and external communications from other stakeholders are responded to and managed appropriately.</p> <p>The policy provides a framework for the environmental and social assessment and management process, and specifies that the project (or business activities, as appropriate) will comply with the applicable laws and regulations of the jurisdictions in which it is being undertaken. The policy will indicate who, within the client's organization, will ensure conformance with the policy and be responsible for its execution.</p>	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Community Engagement (section 2.1) <p>Whistleblower Policy</p> <p>See Something, Say Something Community Program</p> <p>Code of Conduct and Ethical Policy</p> <p>NEPA Public Outreach: Public Scoping DEIS comment period SDEIS comment period Stibnite Advisory Council</p>
<p>To promote and provide means for adequate engagement with Affected Communities throughout the project cycle on issues that could potentially affect them and to ensure that relevant environmental and social information is disclosed and disseminated.</p>	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> • Stakeholder Engagement (section 2.1.4) • SDEIS* <p>NEPA Public Outreach: Public Scoping DEIS comment period SDEIS comment period Stibnite Advisory Council</p> <p>Citizens Water Monitoring program</p> <p>Site tours open to the public, community office hours, meetings and presentations</p>

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Biodiversity Impacts	
STANDARD 3	
To avoid or minimize adverse impacts on human health and the environment by avoiding or minimizing pollution from project activities.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> ERM process EOH&S Management System Water & Air Quality (section 3.1) Climate Change & Energy Management (section 3.3) <p>ESG Policy</p> <p>2021 ModPRO2 (section 4, Mitigation Plans)</p> <p>2016 PRO (section 2 core values, net benefit goal)</p>
To promote more sustainable use of resources, including energy and water.	<p>Sustainability Report:</p> <ul style="list-style-type: none"> Environmental Section <p>ESG Policy</p>
To reduce project-related GHG emissions.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> Environmental Section <p>SDEIS - Climate Change Specialist Report</p>
STANDARD 4	
<p>To anticipate and avoid adverse impacts on the health and safety of the Affected Community during the project life from both routine and non-routine circumstances.</p> <p>(The client will design, construct, operate, and decommission the structural elements or components of the project in accordance with GIIP, taking into consideration safety risks to third parties or Affected Communities. The project's direct impacts on priority ecosystem services may result in adverse health and safety risks and impacts to Affected Communities. The client will avoid or minimize the potential for community exposure to water-borne, water-based, water-related, and vector-borne diseases, and communicable diseases that could result from project activities, taking into consideration differentiated exposure to and higher sensitivity of vulnerable groups.)</p>	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> Materiality assessment ERM process Stibnite Advisory Council Community Needs Assessment Hazard Identification & Mitigation (section 2.4.1) Stakeholder Engagement (section 2.1.4) SDEIS*

**ENVIRONMENTAL
SASB: EM-MM-160A.1**

SASB Biodiversity Impacts	
IFC Objectives	Perpetua Resources' Alignment
STANDARD 4 CONT.	
To ensure that the safeguarding of personnel and property is carried out in accordance with relevant human rights principles and in a manner that avoids or minimizes risks to the Affected Communities.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> Shared Training & Resources (section 2.4.2) <p>ESG Policy</p> <p>SDEIS - supporting documents:</p> <ul style="list-style-type: none"> Social and Economic Conditions Specialist Report Heritage Resources Specialist Report Tribal Rights and Interests Specialist Report
STANDARD 6	
To protect and conserve biodiversity.	<p>Standard addressed within:</p> <p>Sustainability Report:</p> <ul style="list-style-type: none"> ERM process EOH&S Management System Habitat & Biodiversity (section 3.4) SDEIS <p>ESG Policy</p>
(The client will adopt a practice of adaptive management in which the implementation of mitigation and management measures are responsive to changing conditions and the results of monitoring throughout the project's lifecycle. The client will retain competent professionals to assist in conducting the risks and impacts identification process.)	
To maintain the benefits from ecosystem services.	<p>Sustainability Report:</p> <p>Habitat & Biodiversity (section 3.4)</p>
To promote the sustainable management of living natural resources through the adoption of practices that integrate conservation needs and development priorities.	<p>ModPRO2 - concurrent and ongoing restoration</p> <p>Environmental Mitigation Measures</p>



APPENDIX C

Greenhouse Gas Emissions

**PERPETUA RESOURCES GHG INVENTORY REPORT
PREPARED BY WARM SPRINGS CONSULTING APRIL 5, 2024**

SUMMARY

The Perpetua Resources (Perpetua) Greenhouse Gas (GHG) Inventory Report describes the Company's operational contribution to climate change measured in GHG emissions in units of equivalent metric tonnes of carbon dioxide (MT CO₂e). This report covers the fiscal year, from January 1, 2023 to December 31, 2023.

The purpose of this GHG emissions inventory is to annually benchmark Perpetua's company-wide GHG emissions and to provide a consistent methodology for documenting GHG emissions on an ongoing basis. The baseline year for Perpetua's GHG emission comparisons is 2017. Warm Springs Consulting (WSC) compiled and analyzed the data with support from the Perpetua staff.

SCOPE 1 & 2 EMISSIONS OVERVIEW

Perpetua's GHG emissions are indicative of its ongoing operational activities, resulting in a total of approximately 1,751 metric tonnes of CO₂e (MT CO₂e) generated in 2023. Within this, Scope 1 emissions account for 99% of the total, equating to an estimated 1,727 MT CO₂e. Scope 2 emissions comprise 1% of Perpetua's total emissions, amounting to approximately 24 MT CO₂e.

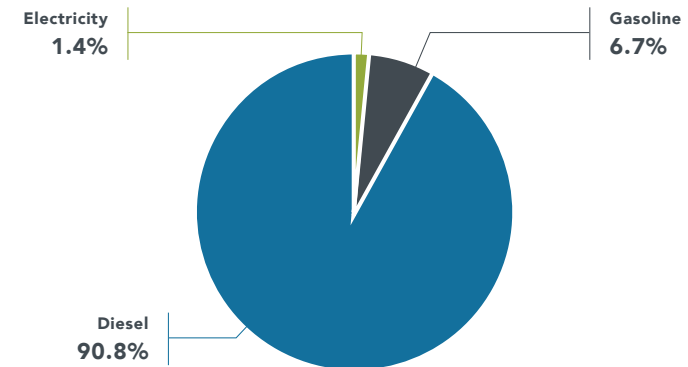
MANAGEMENT PLANS

The rise in GHG emissions observed in 2023, relative to previous years, can be attributed to the use of equipment, diesel generators, and machinery to support the following activities:

1. Removal and relocation of 325,000 tons of legacy waste rock and earthen materials, to remove contact with streams and address soil and groundwater concerns. This has been conducted as part of remediation efforts under an Administrative Settlement Agreement and Order on Consent.
2. Yellow Pine pit aquifer pump test and drilling.
3. Drilling, extraction and transportation of core under the agreement through the Department of Defense Ordnance Technology Consortium to obtain additional core samples from the Project site to demonstrate a fully domestic antimony trisulfide supply chain.
4. To provide heat, lighting, and electricity for the mining camp personnel.

By using solar production instead of diesel generators, Perpetua avoided emitting 3 MT CO₂e in Scope 1 emissions.

Figure 3. Scope 1 & Scope 2, Percent of Total Emissions



Note: Emissions from refrigerants and propane are approximately .1% and 1%, respectively, and are too small to be illustrated on the pie chart (refer to figure 4).

Figure 1. Scope 1 & Scope 2, Total Emissions

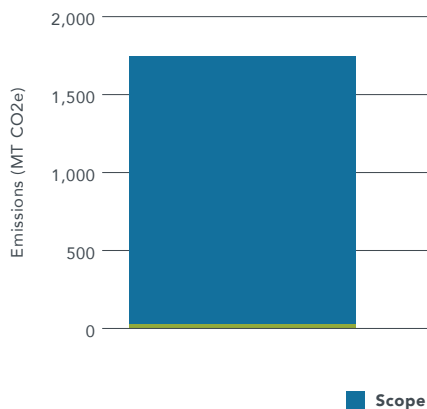


Figure 2. Scope 1 & Scope 2, Year Over Year

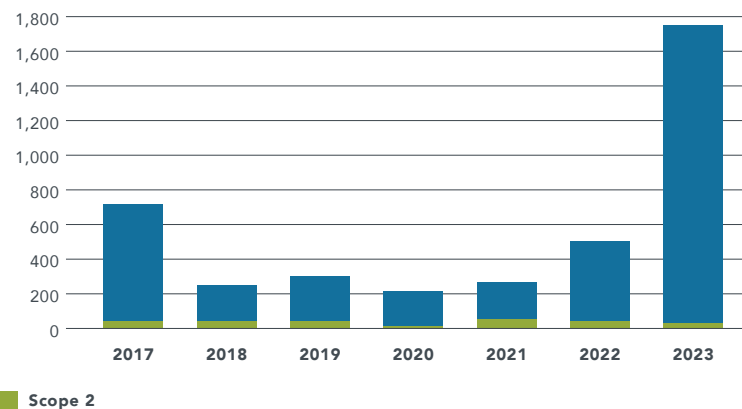


Figure 4. Emissions Calculations Table (approximated)

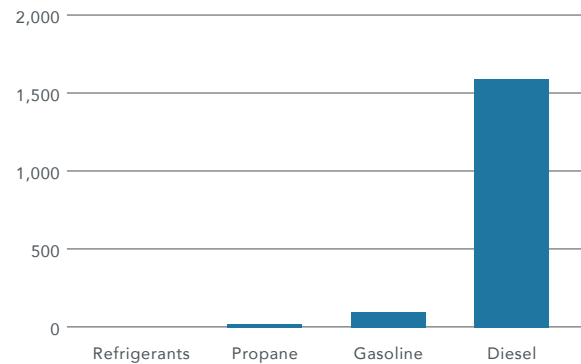
Scope	Emissions Source/Category	Consumption		Emissions (MTCO2e)	
		2023	Unit	2023	% of Total Emissions
1	Refrigerants ¹	0.85	kg	2	0.1%
	Propane	2,950	Gallon	17	1.0%
	Gasoline	13,409	Gallon	118	6.7%
	Diesel	155,803	Gallon	1,591	90.8%
	Total Scope 1			1,727	98.6%
2	Electricity	56,372	kWh	24	1.4%
	Total Scope 2			24	1.4%
Total Scope 1 & Scope 2 Emissions				1,751	100%

¹Consumption is based on 5% leakage rate

SCOPE 1 EMISSIONS

The primary contributor to Scope 1 emissions stems from the combustion of diesel fuel linked to the operation of light and heavy-duty vehicles used for transportation and exploration equipment (approximately 90%). The use of gasoline and propane for transportation and machinery accounts for approximately 7%. Scope 1 emissions also result from the use of refrigerants in the Boise and Donnelly offices and the Cascade core shed refrigeration unit (refer to figure 6).

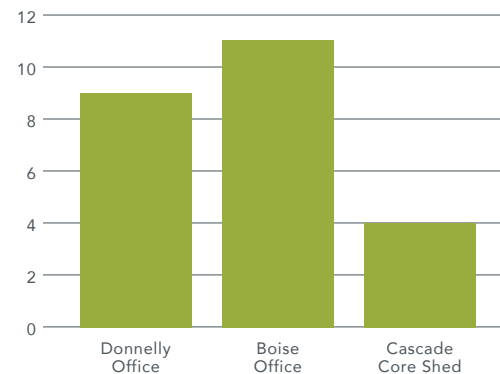
Figure 5. Scope 1 Emissions by Source Fuel



SCOPE 2 EMISSIONS

Scope 2 emissions for the Donnelly office and Cascade core shed were calculated utilizing utility billing data, quantified in kilowatt-hours (kWh) of electricity consumed. In the case of the Boise office, electricity consumption and consequent emissions were approximated based on square footage.

Figure 8. Scope 2 Emissions by Facility Location



METHODOLOGY

Perpetua's GHG inventory has been developed in accordance with the revised GHG Protocol Corporate Standard and the Corporate Value Chain Accounting and Reporting Standard. WSC utilized procedures and calculations per the ISO Standard 14064-1, pertaining to GHG quantification.

To support uniform reporting, Perpetua's combined CO2 equivalent emissions of all GHGs, including CH4 and NO2 emissions, are expressed as CO2 equivalent (CO2e). Inventory boundary, materiality, and calculation development involve the collection and examination of documentation, testimony, and data from internal and external sources.

PRIMARY VS. SECONDARY DATA

Primary data refers to activity data taken directly from meter readings, i.e., the "raw" utility bill data. Primary data is generally considered to be the most accurate and thus preferable. Secondary data, or estimated data, refers to the development and use of intensity factors and/or energy consumption models based on financial data or square footage. For this report, WSC utilized a mix of primary and secondary data to calculate Scope 1 and Scope 2 emissions (refer to figure 9).



SCOPE 1

Perpetua provided consumption data for the direct use of gasoline, diesel, and propane (primary data). Fuel use included light and heavy-duty vehicles used for transportation and exploration, using both ethanol gasoline and diesel, along with propane fueled equipment. Refrigerant consumption in both the Boise and Donnelly offices, as well as the Cascade core shed refrigeration unit, was determined based on square footage, utilizing Energy Information Administration (EIA) consumption data (secondary data).

SCOPE 2

Utility bill data was used for the calculation of Scope 2 emissions for the Donnelly office and Cascade core shed (primary data). Perpetua does not pay the utility bills at the Boise office, thus WSC utilized office square footage and EIA consumption estimates to quantify Scope 2 emissions for the Boise office (secondary data). In January, 2023, Perpetua downsized its Boise office from 5,789 square feet to 2,305 square feet.

Figure 9. Emissions Calculation Methodology

Scope	Emissions Source/ Category	Data Source	% Primary Data	% Secondary Data	Calculation Method
1	Refrigerants	1. Facility locations, based on size 2. Intergovernmental Panel on Climate Change Fifth Assessment Report for refrigerant global warming potential	0%	100%	Screening Method
	Propane	Consumption data	100%	0%	Mass-balance
	Gasoline	Consumption data	100%	0%	Mass-balance
	Diesel	Consumption data	100%	0%	Mass-balance
2	Electricity	1. Utility bills for Donnelly and Cascade core shed locations 2. EIA consumption estimate based on Boise location and square footage	53%	47%	Market-based estimate

EMISSIONS FACTORS

WSC used emissions factors and energy consumption estimates based on recognized published data applicable to the types of emissions associated with the inventory. These factors are published by the EPA², U.S. EIA³, and Idaho Power⁴ and are consistent with methodologies from the [World Business Council Sustainable Development](#) and [World Resources Institute Greenhouse Gas Protocol](#).

²[United States Environmental Protection Agency](#). GHG Emissions Factors Hub. 2023.

³[U.S. Energy Information Administration](#). 2023.

⁴[Idaho Power. Reducing Carbon Emissions](#). 2022.

Figure 10. Emissions Factors and Sources

Scope	Item	Emissions Factor	Unit	Source
1	Gasoline	8.78	kg CO2e/ gallon	EPA ¹
1	Diesel	10.21	kg CO2e/ gallon	EPA ¹
1	Propane	5.72	kg CO2e/ gallon	EPA ¹
2	Electricity	0.42	kg CO2e/kWh	Idaho Power ³

AMENDMENTS

In 2021, Scope 2 emissions for years 2017-2019 were amended to include electricity use from Perpetua's Boise office. Due to COVID-19, Scope 2 emissions for 2020 do not include the Boise office as employees were not present.

APPENDIX D

References

GOVERNANCE POLICIES

- [Anti-bribery & Anti-corruption](#)
- [Charitable Donations](#)
- [Climate Change](#) (ESG Policy, pg. 10)
- [Code of Conduct & Ethical Values](#)
- [Director Travel Expenses](#)
- [Director Confidentiality](#)
- [Disclosure and Confidentiality](#)
- [Diversity and Inclusion](#)
- [Environmental, Social and Governance](#)
- [Human Resources](#)
- [Infections Disease Control Summary](#)
- [Information Technology & Security](#)
- [Insider Trading & Reporting](#)
- [Political Contributions Policy](#)
- [Social Media](#)
- [Supplier Standards](#) (ESG Policy, pg. 6):
- [Whistleblower](#)

SOCIAL AND ENVIRONMENTAL COMMITMENTS

EM-MM-210A.3

- Community Agreements: [2018 Community Agreement](#)
- Community Agreement, Stibnite Advisory Council, Annual Report: [Progress Report](#)
- Community Agreement, Stibnite Advisory Council, Independent Water Monitoring Program: [2023 Results](#)
- Community Agreement, Stibnite Advisory Council, FAQ: [Frequently Asked Questions & Glossary](#)
- Community Agreement, Stibnite Advisory Council, Website: www.stibniteadvisorycouncil.com
- Community Agreement, Stibnite Foundation, Direct Profit Sharing: [Foundation](#)
- Community Agreement, Stibnite Foundation, Grant Funding: [Grant Recipients](#)
- Community Project Webinars: [Recorded Webinars](#)
- Agreement with Environmental Protection Agency to conduct pre-operations cleanup (Administrative Settlement Agreement and Order on Consent): [EPA Agreement](#)
- Dark Skies Commitment: [Dark Skies Report](#)
- Perpetua Resources, Hire Local Commitment (PRO, pg.3-1): [Hiring & Contracting Objectives](#)
- Safety Commitment: [Site Safety and Health Plan Summary](#)
- Safety Commitment: [Environmental, Occupational Health & Safety, Integrated Management System Summary](#)
- Values (PRO, Section 2): [Values](#)
- Restoration (PRO, Section 5): [Restoration](#)

PROJECT RESOURCES

- 2016 Plan of Restoration & Operations: [Executive Summary](#)
- 2021 Refined Modified Plan of Restoration & Operations: [Refined Proposed Action](#)
- Improvements One Pager: [Proposed Project Improvements](#)
- Feasibility Study: [Technical Report](#)
- Prefeasibility Study: [Technical Report](#)
- Tours: [Virtual Tour](#)
- Sustainability, Solar Power Use: [Sustainability from the Sun](#)
- Sustainability Reports: [Sustainability Report Library](#)
- Sustainability, Greenhouse Gas (GHG) 2020 Emissions Report: [2020 Emissions Report](#)
- Sustainability, Greenhouse Gas (GHG) 2021 Emissions Report: [2021 Emissions Report](#)
- Sustainability, Greenhouse Gas (GHG) 2022 Emissions Report: [2022 Emissions Report](#)

APPENDIX E

Sustainability Roadmap Update



ENVIRONMENT ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2023 ACTIONS
 <p>GOAL 1 Improve and protect water quality</p> <p>6 CLEAN WATER AND SANITATION</p>	<p>Comply with the Clean Water Act and all local and federal regulations.</p> <p>Improve water quality over existing conditions left behind by previous operators.</p>	<p>Completed third year of Citizen's Independent Water Monitoring program.</p> <p>Continued legacy cleanup to improve water quality, removing 325,000 tons of legacy waste and tailings away from the East Fork South Fork of the Salmon River and Meadow Creek.</p>
 <p>GOAL 2 Conserve water</p> <p>6 CLEAN WATER AND SANITATION 12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	<p>Reduce water consumption and reuse water whenever possible.</p>	<p>In 2023, Perpetua Resources' water rights application, which entails a plan to mitigate beyond their proposed water usage, continued through its administrative process with the Idaho Department of Water Resources.</p>
 <p>GOAL 3 Limit our footprint</p> <p>15 LIFE ON LAND</p>	<p>Minimize disturbances to land, water, air, wildlife, and night skies through identifying opportunities to eliminate, reduce, mitigate, or offset impacts.</p>	<p>Reduced waste by recycling ~83 lbs of material, diverting it from landfills.</p> <p>Use of solar power on site to reduce diesel consumption.</p>
 <p>GOAL 4 Be a responsible link in the clean energy supply chain</p> <p>7 AFFORDABLE AND CLEAN ENERGY 9 INDUSTRY INNOVATION AND INFRASTRUCTURE</p> <p>11 SUSTAINABLE CITIES AND COMMUNITIES 12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	<p>Take the necessary steps to ensure Perpetua's supply chain partners are operating in accordance with Company's ESG goals.</p>	<p>Perpetua's supply agreement with Ambri Inc. supports clean energy production and the decarbonization of energy grids worldwide through the development of domestic manufacturing of battery technology.</p>

SOCIAL ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2023 ACTIONS
 <p>GOAL 5 Work with communities and regulators to refine environmental outcomes of the Stibnite Gold Project</p> <p>6 CLEAN WATER AND SANITATION 16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	<p>Take public and stakeholder feedback seriously. Assess potential opportunities to further improve environmental outcomes and ensure the best project moves forward.</p>	<p>Continued to listen to community, agency and tribal feedback to bring project changes that improved environmental outcomes.</p> <p>Perpetua Resources held 13 office hours, gave 72 presentations on the Project and brought more than 200 people up to Stibnite over the past year.</p>
 <p>GOAL 6 Nurture connections with our tribal communities and identify opportunities to collaborate</p> <p>11 SUSTAINABLE CITIES AND COMMUNITIES 16 PEACE, JUSTICE AND STRONG INSTITUTIONS 17 PARTNERSHIPS FOR THE GOALS</p>	<p>Have direct dialogue and ongoing solution finding with Tribal leadership, staff and membership to ensure the Project protects tribal treaty rights and supports the social, cultural, and economic goals of the tribes.</p>	<p>Continued open dialogue with Idaho tribes.</p> <p>Entered Into a settlement agreement with the Nez Perce Tribe regarding litigation filed In 2019.</p> <p>Supported continuation of ethnographic studies performed by the tribes.</p> <p>Supported Nez Perce Tribe's Salmon transplant at the Project site in 2023.</p>

ROADMAP GOAL	COMMITMENT	2023 ACTIONS
 <p>GOAL 7 Foster an open and transparent relationship with our local communities</p> <p>4 QUALITY EDUCATION 11 SUSTAINABLE CITIES AND COMMUNITIES 16 PEACE, JUSTICE AND STRONG INSTITUTIONS 17 PARTNERSHIPS FOR THE GOALS</p>	<p>Commit to operating with transparency and accountability.</p>	<p>Stibnite Advisory Council hired Recon Insight Group to conduct a study on the economic impacts of the Stibnite Gold Project. This information will help communities understand and prepare for what lies ahead.</p> <p>Delivered technical presentations to the Stibnite Advisory Council on:</p> <ul style="list-style-type: none"> • Results of the Supplemental Draft Environmental Impact Statement public comment period • Department of Defense funding • Perpetua Resources safety protocols • Economic impacts • 3rd party Tailings Storage Facility evaluation • Work opportunities with Iron Woman on early cleanup actions • Transportation update • Cyanide overview • Air quality permit update <p>Delivered more than 72 community presentations and hosted 24 site tours.</p> <p>Held monthly public office hours and monthly Stibnite Advisory Council meetings.</p>
 <p>GOAL 8 Create economic partnerships that sustain beyond the life of the mine</p> <p>4 QUALITY EDUCATION 8 DECENT WORK AND ECONOMIC GROWTH 11 SUSTAINABLE CITIES AND COMMUNITIES 17 PARTNERSHIPS FOR THE GOALS</p>	<p>Share economic benefits from the Project with local communities.</p> <p>Hire and train locally when possible.</p> <p>Use profit-sharing agreement to fund charitable endowment to provide sustained economic benefits long after the life of the mine.</p>	<p>Spent \$8.2+ million on Idaho products and services.</p> <p>Partnered with 176 Idaho vendors in 2023.</p> <p>Continued hiring locally whenever possible. 83% of Company employees are Idaho residents.</p> <p>Awarded \$32,000+ through the Stibnite Foundation to 15 local nonprofit organizations and fire/EMS departments.</p> <p>\$40,000 to support the expansion of Career Technical Education opportunities at the local high school.</p> <p>Provided \$460,000 in community contributions.</p>

GOVERNANCE ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2023 ACTIONS
 <p>GOAL 9 Develop a diverse and inclusive team</p> <p>5 GENDER EQUALITY 10 REDUCED INEQUALITIES</p>	Recruit, build, and retain a diverse workforce.	<p>50% of executive management and 37% of Perpetua's workforce are female as of December 31, 2023.</p> <p>33% of Corporate Board members are gender or ethnically diverse.</p>
 <p>GOAL 10 Adopt a long-term ESG reporting framework</p> <p>16 LEAD, JUSTICE AND STRONG INSTITUTIONS</p>	Engage in ESG policies and annual reporting to support consistent and reliable reporting, transparency, and accountability.	Issued 10th annual sustainability report and second report to follow the SASB framework.
 <p>GOAL 11 Disclose and report current and future GHG emissions</p> <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION 13 CLIMATE ACTION</p> <p>16 LEAD, JUSTICE AND STRONG INSTITUTIONS</p>	Audit GHG emissions annually through third-party analysis, using the globally recognized GHG Protocol.	Reported Scope 1 & 2 GHG emissions, provided via third-party analysis.

GOVERNANCE ROADMAP UPDATE

ROADMAP GOAL	COMMITMENT	2023 ACTIONS
 <p>GOAL 12 Set science-based GHG Emissions target before operations begin</p> <p>7 AFFORDABLE AND CLEAN ENERGY 9 INDUSTRY, BUILT ENVIRONMENT AND INFRASTRUCTURE</p> <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION 13 CLIMATE ACTION</p>	Establish a GHG emissions baseline and develop a carbon reduction target based on feasible offsets, mitigations, and reductions.	<p>Onsite solar generation mitigated CO2 emissions equivalent to the absorption capacity of 155 trees.</p> <p>Continued work with third parties to assess the feasibility of carbon emission offsets and mitigations.</p>
 <p>GOAL 13 Protect our people and our communities</p> <p>3 GOOD HEALTH AND WELL-BEING 8 DECENT WORK AND ECONOMIC GROWTH</p> <p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>	<p>Implement an Environmental, Occupational Health & Safety Management System to grow internal training requirements for employees, contractors and consultants.</p> <p>Continually update and share emergency response plans.</p>	<p>100% employee participation in environmental, occupational health & safety awareness trainings.</p> <p>Inducted into OSHA's Safety & Health Achievement Recognition Program (SHARP) for Perpetua's exemplary commitment to the health and safety of our employees.</p> <p>Reached 97 months with no lost time injuries in 2023.</p> <p>Reached 142 months with no reportable spills in 2023.</p> <p>Perpetua employees completed 2,279 hours of employee safety training.</p> <p>Held joint rescue practice training with Yellow Pine Fire Department.</p> <p>Continued to administer a community safety program to give community members an opportunity to share concerns directly with Perpetua team.</p>

FORWARD-LOOKING STATEMENTS

Information and statements contained in this report that are not historical facts are “forward-looking information” or “forward-looking statements” (collectively, “Forward-Looking Information”) within the meaning of applicable Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. We use words such as “may,” “would,” “could,” “should,” “will,” “likely,” “expect,” “anticipate,” “believe,” “intend,” “plan,” “forecast,” “outlook,” “project,” “estimate” and similar expressions suggesting future outcomes or events to identify forward-looking statements or forward-looking information. Forward-Looking Information includes, but is not limited to, information concerning the business of Perpetua Resources Corp. (the “Company”); the Stibnite Gold Project (the “Project”); statements with respect to financial results; disclosure regarding possible events, conditions or financial performance that is based on assumptions about future economic conditions and courses of action; next steps and courses of action including the prospects and timing of successfully securing financing for the Project on acceptable terms, or at all; environmental clean up actions by us and our contractors; ongoing funding and anticipated liquidity; our ability to comply with and obtain permits related to the Stibnite Gold Project; actions to be taken by the USFS, the Department of Defense, the State of Idaho and other government agencies and regulatory bodies; our ability to successfully implement and fund the Project and the occurrence of the expected benefits from the Project; timing of the Final Environmental Impact Statement (“FEIS”), Draft Record of Decision, Final Record of Decision and other anticipated milestones related to the Project; predictions regarding improvements to water quality, water temperature, and fish habitats and other environmental conditions at the site, including with respect to process and timing of such improvements; reduction of the Project footprint and the anticipated benefits and other effects thereof; our ability to successfully implement the Project and the occurrence of the expected benefits from the Project, including contributions to the workforce, national security and clean energy transition; ESG-related goals, strategies, priorities and initiatives, including, among others, those related to GHG emissions, waste and hazardous materials management, habitat and biodiversity, health, safety and wellbeing, labor practices and human rights; our and Ambri, Inc.’s (“Ambri”) ability to perform under the supply agreement described in this report, which agreement is subject to certain conditions, including completion of the permitting process for the Project, commencement of commercial production of antimony, identification of one or more refiners to transform our antimony concentrate into antimony metal, and mutual agreement on certain material terms, including volume and pricing; the anticipated economic, environmental and other benefits of the Project; the viability of the Project; development and operating costs in the event that a production decision is made; success of exploration, development and environmental protection, closure and remediation activities; permitting time lines and requirements; requirements for additional capital; requirements for additional water rights and the potential effect of proposed notices of environmental conditions relating to mineral claims; risks and opportunities associated with the Project; planned exploration and development of properties and the results thereof; planned expenditures, production schedules and budgets and the execution thereof. Statements concerning mineral resource and mineral reserve estimates may also constitute Forward-Looking Information to the extent that they involve estimates of the mineralization that may be encountered if the Project is developed. In preparing the Forward-Looking Information herein, the Company has applied several material assumptions, including, but not limited to, assumptions that the review process under the NEPA (including any joint review process involving the USFS, the State of Idaho and other agencies and regulatory bodies) as well as the FEIS will proceed in a timely manner and as expected; that we will be able to obtain sufficient funding to finance permitting, pre-construction and construction of the Project and that all requisite information will be available in a timely manner; that the current exploration, development, environmental and other objectives concerning the Project can be achieved and that its other corporate activities will proceed as expected; that the current price and demand for gold and antimony will be sustained or will improve; that general business and economic conditions

will not change in a materially adverse manner and that all necessary governmental approvals for planned activities on the Project will be obtained in a timely manner and on acceptable terms; that permitting and operations costs will not materially increase; the continuity of the price of gold and other metals, economic and political conditions and operations; and the assumptions set out in the companies reports filed with the SEC. Forward-Looking Information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the Forward-Looking Information. Such risks and other factors include, among others, the industry-wide risks and project-specific risks identified in the companies reports filed with the SEC; operations and contractual obligations; changes in exploration programs based upon results of exploration; changes in estimated mineral reserves or mineral resources; future prices of metals and minerals; availability of personnel and equipment; equipment failure; accidents, effects of weather and other natural phenomena and other risks associated with the mineral exploration industry; environmental risks, including environmental matters under US federal and Idaho rules and regulations; impact of environmental remediation requirements and the terms of existing and potential consent decrees on the Company’s planned exploration and development activities on the Project, physical and transition risks associated with climate change, increased attention to ESG-related matters, risks related to our public statements with respect to such matters that may be subject to heightened scrutiny from public and governmental authorities related to the risk of potential “greenwashing,” (i.e., misleading information or false claims overstating potential sustainability-related benefits); certainty of mineral title; community relations; delays in obtaining governmental approvals or financing; the Company’s dependence on one mineral project; the nature of mineral exploration and mining and the uncertain commercial viability; the Company’s lack of operating revenues; governmental regulations and the ability to obtain necessary licenses and permits; risks related to prior unregistered agreements, transfers or claims and other defects in title to mineral projects; currency fluctuations; changes in environmental laws and regulations and changes in the application of standards pursuant to existing laws and regulations; risks related to dependence on key personnel; risks to employee health and safety and a slowdown or temporary suspension of operations in geographic locations impacted by an outbreak of disease; estimates used in budgeting and financial statements proving to be incorrect; risks related to unforeseen delays in the review process including availability of personnel from the USFS, State of Idaho and other stated, federal and local agencies and regulatory bodies (including, but not limited to, future US government shutdowns); risks related to opposition to the Project; risks related to increased or unexpected costs in operations or the permitting process; risks that necessary financing will be unavailable when needed on acceptable terms, or at all; risks related to the outcome of litigation and potential for delay of the Project, as well as those factors discussed in the Company’s public disclosure record. Although the Company has attempted to identify important factors that could affect the Company and may cause actual actions, events or results to differ materially from those described in Forward-Looking Information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that Forward-Looking Information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Because it is not possible to predict or identify all such factors, this list cannot be considered a complete set of all potential risks or uncertainties. Accordingly, readers should not place undue reliance on Forward-Looking Information. For further information on these and other risks and uncertainties that may affect the Company’s business and liquidity, see the “Risk Factors” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations” sections of the Company’s filings with the SEC, are available at www.sec.gov and with the Canadian securities regulators, which are available at www.sedar.com. Except as required by law, the Company expressly disclaims any obligation to update the Forward-Looking Information herein.

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