



LAURION Mineral Exploration Inc. 2023 ESG Report

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LAURION Mineral Exploration Inc. is a mid-stage junior exploration and development corporation, focused primarily on its wholly owned 57.43km² (14,191ac.) flagship 'brownfield' Ishkoday Gold and Polymetallic Project located 220km North-East of Thunder Bay, Ontario.

This is our first sustainability report detailing our performance on environmental, social, and governance issues that have impacts on our business as well as those that our business impacts.

[Disclaimer and Forward Looking Statements](#)

Company Profile

Organizational Profile

Name	LAURION Mineral Exploration Inc.
Describe nature of activities, brands, products and services	LAURION Mineral Exploration Inc. ("LAURION") is a public company engaged in the acquisition, exploration and development of Canadian gold and base metal mineral resource properties. LAURION is a reporting issuer in Canada and its shares are listed for trading on the Toronto Stock Exchange under the trading symbol LMEFF in the United States on the OTC unlisted market trading symbol LMEFF.
Link to Corporate Website	https://www.laurion.ca/
Industry Classification	NAICS: 21 Mining, quarrying, and oil and gas extraction 21222 Gold and silver ore mining 212220 Gold and silver ore mining ISIC: B0729 Mining of other non-ferrous metal ores
Market Capitalization	\$0-\$100 Million USD
Type of Operations	Mineral Exploration
Company Headquarters	Toronto, Canada
ESG Accountability	
Role and Name of highest authority within company for Environment, Social and Governance strategy, programs and performance	Cynthia Le Sueur-Aquin, CEO
ESG Reporting Period	
Unless otherwise noted, all data contained in this report covers the following period	
From	2023-01-01
To	2023-12-31
Audit Status	
Identify the degree to which any inputs of the report are third-party checked	Self-Declared
Financial Reporting Period	

Specify the frequency of sustainability reporting	Annually
Whether Financial reporting period aligns with the period for its sustainability reporting	Yes
Specify the contact point for questions about the report or reported information	Please send an email to Cynthia Le Aquin, CEO at clesueuraquin@lau

Geographic Scope of Report

Unless otherwise noted, the data in this report covers ESG matters related to the following countries of operations

Canada



Ishkoday Gold Project Map

Identify notable exclusions, and reference any existing or planned reports that do or will address these (e.g, assets recently divested or acquired, non-managed joint ventures, specific exploration activities, recently closed sites, etc.)	There are no notable exclusions in
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Fragile and Conflict-Affected Situations

Identify all of the entity's countries of operations that align with the World Bank's list of "Fragile and Conflict-Affected Situations"

None

Business Operations Scope of Report

Identify notable exclusions, and reference any existing or planned reports that do or will address these (e.g, assets recently divested or acquired, non-managed joint ventures, specific exploration activities, recently closed sites, etc.)

There are no notable exclusions in

Mineral Resource Types in Scope

Which of the following mineral resource types are covered by this report

Indicated

LAURION is reporting indicated re the Ishkoday's surface ore-bearing

Mineral Reserve Types in Scope

Which of the following mineral reserve types are covered by this report

None

Currency

Unless otherwise noted, all financial figures referenced in this report are in the following currency

CAD

Strategy

Provide a statement from the highest governance body or most senior executive of the organization (i.e., CEO, chair, or equivalent senior position) about the relevance of sustainable development to the organization and its strategy for contributing to sustainable development. (CEO's message for this report)

Please find the CEO statement at:



Cynthia Le Sueur - Aquin, CEO



CEO Sustainability Statement



LAURION's ESG Strategy

Policy commitments

Provide a description of the organization's policy commitments for responsible business conduct

LAURION's Code of Business Conduct Ethics establishes the standards of for all representatives of the corp covers all business activities and in guidance on human rights, conflict: interests, environment, health and

compliance with laws and regulations
The Code of Business Conduct and
Ethics can be found in the link below



Code of Business Conduct
and Ethics

What are (if any) the authoritative intergovernmental instruments that the commitments reference

The Human Rights section of the Code of Business Conduct and Ethics refer to the Universal Declaration of Human Rights

Supply Chain

Estimated Total number of Business Entities in its downstream

0

LAURION is currently conducting no downstream business activities and as such does not have any downstream business activities.

Material Topics

Governance of Material Topics

Describe the process followed to determine the organization's material topics, including:

i. How has the organization identified actual and potential, negative and positive impacts on the economy, environment, and people, including impacts on their human rights, across its activities and business relationships; provide details

Other external sources, please list

LAURION has carried out environmental baseline studies, including surface water, groundwater and biological baseline studies. This has initiated the Ishkoday Project. This has initiated application for environmental permit to commence advanced exploration and development project.

ii. How has the organization prioritized the impacts for reporting based on their significance

Current material topics such as environmental assessment and community engagement defined by the project state and the impact of these activities to the progress of development.

Specify the stakeholders and experts whose views have informed the process of determining its material topics and provide details

- Business partners
- Governments
- Local communities

List the organization's material topics

- Environmental Assessment
- Local Communities

List the organization's non-material topics

- Child Labor
- Customer Privacy
- Forced or Compulsory Labor
- Product and Service Labeling
- Products and Services

Provide reason for considering such topics not material, provide details

Not applicable

Report changes to the list of material topics compared to the previous reporting period

This is our first ESG report, as such our foundational material topics. This will serve as a baseline for following years.

Environment

General Disclosure

Compliance with laws and regulations

Report the total number of significant instances of non-compliance with laws and regulations during the reporting period, and a breakdown of this total by:

0

Number of instances for which fines were incurred

0

Number of instances for which non-monetary sanctions were incurred	0	
Report the total number of fines for instances of non-compliance with laws and regulations that were paid during the reporting period	0	Laurion ensures that consultative plans and permits are prioritized and be ongoing throughout the permit exploration and closure phases.
Report the monetary value of fines for instances of non-compliance with laws and regulations that were paid during the reporting period (\$Million)	0	
Describe the significant instances of non-compliance		There were no instances of non-compliance during the reporting period. Laurion ensures its business activities and operations are compliant with laws and regulations.

Greenhouse Gas Emissions

Scope 1

For your operations, disclose the gross global Scope 1 greenhouse gas (GHG) emissions to the atmosphere of the seven GHGs covered under the Kyoto Protocol (tonne CO₂-e)

Carbon dioxide (CO ₂) (tonne CO ₂ -e)	0.000	
Methane (CH ₄) (tonne CO ₂ -e)	0.000	
Nitrous oxide (N ₂ O) (tonne CO ₂ -e)	0.000	
Hydrofluorocarbon-23 (CHF ₃) (tonne CO ₂ -e)	0.000	
Hydrofluorocarbon-32 (CH ₂ F ₂) (tonne CO ₂ -e)	0.000	
Sulphur hexafluoride (SF ₆) (tonne CO ₂ -e)	0.000	
Nitrogen trifluoride (NF ₃) (tonne CO ₂ -e)	0.000	
Perfluoromethane (CF ₄) (tonne CO ₂ -e)	0.000	
Perfluoroethane (C ₂ F ₆) (tonne CO ₂ -e)	0.000	
Perfluorobutane (C ₄ F ₁₀) (tonne CO ₂ -e)	0.000	
Perfluorohexane (C ₆ F ₁₄) (tonne CO ₂ -e)	0.000	
The total amount of gross global Scope 1 GHG emissions (CO ₂ -e) (tonne)	0.000	All of Laurion's exploratory activities are carried out by consultants and specialists who own and operate their equipment. Therefore, consultants and specialists report emissions from these activities as their scope 1 emissions. Furthermore, Laurion does not currently operate any machinery to report emissions from. Therefore, for this reporting period, Laurion's scope 1 emissions is reported as zero.
The entity shall discuss its long-term and short-term strategy or plan to manage its Scope 1 greenhouse gas (GHG) emissions		Currently, Laurion does not generate any scope 1 emissions. Laurion ensures its operations and will continue to work with partners to ensure we have the same vision of sustainable operations while carrying out its projects. This will result in little or no Scope 1 emissions on these projects.

Carbon Offset

Credits

How much CO ₂ (metric tonnes) offset credits were purchased?	0.000
Where were these credits purchased from	Not Applicable

Air Emissions

Report emissions of air pollutants that are released into the atmosphere		
Emissions of carbon monoxide, reported as CO (tonne)	0.000	
Emissions of oxides of nitrogen (NO _x), reported as NO _x (tonne)	0.000	
Emissions of oxides of sulphur (SO _x), reported as SO _x (tonne)	0.000	
Emissions of Particulate Matter 10 micrometres or less in diameter (PM ₁₀), reported as PM ₁₀ (tonne)	0.000	
Emissions of lead and lead compounds, reported as Pb (tonne)	0.000	
Emissions of mercury and mercury compounds, reported as Hg (tonne)	0.000	
Emissions of non-methane Volatile Organic Compounds (VOCs) (tonne)	0.000	All of LAURION's current activities are exploratory therefore emissions are minimal. At this point, the Corporation does not measure any potential emissions.
Energy Management		
Total energy consumed in aggregate, in gigajoules (GJ) (hydrocarbons and electricity) including the fuel types used (e.g., biomass, hydro-electric power or bioenergy)	0.000	LAURION is an exploration corporation with minimal energy consumption levels. At this time, LAURION does not measure energy consumed because exploratory activities are provided by third parties who report their energy consumption.
Percentage energy consumed that was supplied by grid electricity	Does Not Apply	
Percentage of energy consumed that is renewable energy	Does Not Apply	
Water		
Efficiency		
Proportion of water reused and recycled by the site to reduce the overall consumptive water demand	Does Not Apply	LAURION is in early exploration and does not withdraw water. LAURION commences reporting its water withdrawal when mining activities commence.
Water Management		
Was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations	Not Applicable	
Total number of instances of non-compliance, including violations of a technology-based standard and exceedances of quality-based standards	0	
Waste Management		
Disclose the total weight of tailings produced (tonne)	0.000	LAURION's activities are currently exploratory, as such there are no tailings waste produced.
Tailings Storage Facilities Management		
Does your company manage Tailings Storage Facilities	No	
Disclose the approach to the development of Emergency Preparedness and Response Plans (EPRPs)		LAURION currently does not produce tailings nor has any Tailings Storage Facilities, therefore does not require an Emergency Preparedness Response Plan (EPRP) for storage facilities.
Innovation		
Spending on Research, Development, and Technologies for waste management compliance and improvement	0	

Describe nature of spending on Research, Development and Technologies for waste management compliance and improvement

LAURION does not produce any t therefore does not allocate funds t development and technologies for management.

Biodiversity

Management Plan

List the environmental and biodiversity management plan(s) implemented at active sites

There was no formal plan develop Ishkoday exploration project. However, LAURION has complete environmental baseline studies, in surface water, groundwater, and bi studies on the site. The results fror studies will guide the development environmental and biodiversity ma plan.

LAURION complies with all enviro and regulations.

1.1 Mine lifecycle stages to which the plan(s) apply

Not applicable

1.2 The topics addressed by the plan(s)

Not applicable

1.3 The underlying references for its plan(s), including whether they are codes, guidelines, standards, or regulations; whether they were developed by the entity, an industry organization, a third-party organization (e.g., a non-governmental organization, a governmental agency, or some combination of these groups)

LAURION obtains all required governmental permits for its explo activities. These permits require th company abides by the environme standards set by the presiding gov agencies.

Impacts

Does access to the site involve traversing a protected area

No

Do any of the entities concessions share a watershed with a protected area

No

Percentage of proved reserves in sites with protected conservation status or in areas of endangered species habitat

Does Not Apply

Percentage of probable reserves in sites with protected conservation status or in areas of endangered species habitat

Does Not Apply

Percentage of inferred, indicated and/or measured resources in sites with protected conservation status or in areas of endangered species habitat

Does Not Apply

Social

Scale of the Organization

Describe how the organisation defines its "Operation"

LAURION is advancing its flagship 100% owned, 57.43 km2 Ishkoday to numerous occurrences of gold a metal mineralization. LAURION re property-wide database comprisin diamond drill holes totalling 82,29 along with several geophysics data (magnetics, electromagnetics, IP, L LAURION is completing extensive geological mapping, trenching and sampling, with multi-element anal numerous mineralized occurrence: within the over 6 km long by 2.5 kn "corridor" within which gold and p base metal-silver+/-gold mineraliz: found. These activities are peculia discovery and certainty of an ore d

Report the total number of operations

1

Scale of the Organization

Report the total number of direct employees worldwide (exclude contractors)

0

LAURION did not have any direct e during the reporting period. LAUR stage exploration company. The co

current activities are seasonal and LAURION has no need for direct permanent employees.

Total number of female employees and contractors worldwide	4
Female employees and contractors as percentage of total employees and contractors	Does Not Apply
Total number of male employees and contractors worldwide	6
Male employees and contractors as percentage of total employees and contractors	Does Not Apply
Total number of non-binary employees and contractors worldwide	0
Non-binary employees and contractors as percentage of total employees and contractors	Does Not Apply
Total number of employees and contractors with gender not disclosed	0
Employees and contractors with gender not disclosed as percentage of total employees and contractors	Does Not Apply
Workers who are not employees	
Report the total number of workers who are not employees and whose work is controlled by the organization	10
Describe the most common types of worker and their contractual relationship with the organization	Geoscience related duties
The type of work they perform	Fieldwork comprising of mapping, trenching and channel sampling. Core cutting. Core logging.
Report the total number of contractors by employment type (permanent and temporary), by gender	10
Total number of permanent contractors	8
Total number of permanent contractors - female	3
Total number of permanent contractors - male	5
Total number of permanent contractors - Non-binary	0
Total number of permanent contractors - Gender not disclosed	0
Total number of temporary contractors	2
Total number of temporary contractors - female	1
Total number of temporary contractors - male	1
Total number of temporary contractors - Non-binary	0
Total number of temporary contractors - Gender not disclosed	0
Describe the methodologies and assumptions used to compile the information about workers who are not employees.	LAURION retains services /contractors from the private sector as required for its exploration programs.
Is the number of workers who are not employees reported in head count, full-time equivalent (FTE), or using another methodology	The number of workers is established in the budget and the type of exploration program outlined for the following year.
Is the number of workers who are not employees reported at the end of the reporting period, as an average across the reporting period, or using another methodology	Our exploration programs are relatively consistent each year, however, the exploration program may define the number of workers which may increase or decrease in the number of workers

Describe significant fluctuations, if any, in the number of workers who are not employees during the reporting period and between reporting periods

As per above

Turnover

Report the total number and rate of employee turnover during the reporting period, by age group, and gender

All Employees

Total number of turnover (the number that left during the period)

0

As an exploration company, LAURION Mineral Exploration retains contractors on an individual and project basis. The Company's turnover is therefore not indicative of the overall workforce and therefore not included in this disclosure.

Rate of turnover

Does Not Apply

Diversity and Equal Opportunity

Report the percentage of employees per employee category in each of the following diversity categories

Board of Directors

Total Board of Directors

4

Percent Male

75.0000%

Percent Female

25.0000%

Percent Non-Binary

Does Not Apply

Senior Management

Total Senior Managers

2

Percent Male

50.0000%

Percent Female

50.0000%

Percent Non-Binary

Does Not Apply

Contractors:

Total Contractors

10

Percent Male

40.0000%

Percent Female

60.0000%

Percent Non-Binary

Does Not Apply

Occupational Health and Safety

Work-related Injuries

Injuries - For all employees

i. Number of fatalities as a result of work-related injury

0

LAURION Mineral Exploration does not employ any direct employees, as such, each contractor is responsible for their own occupational health and safety.

Combined (Employees and non-employees, but controlled by the organization):

Total Hours Worked

Total number of all work-related injuries

0

Rate of work-related injuries	0.000
Total Lost Time Injuries (LTIs)	0
Lost Time Injuries Rate (LTIR)	0.000

Safety Training

Disclose the average number of training hours provided to its workforce for health, safety, and emergency management training

Average hours of health, safety, and emergency response training for (a) full-time/direct employees	0	Laurion has a Health and Safety holds daily workshop meetings to health and safety protocols relevant activities of both fieldwork and the which roughly amounts to 1.75 hours
Average hours of health, safety, and emergency response training for (b) contract employees	0	Health and Safety Training amount approximately 15 mins each day

Security, Human Rights and Rights of Indigenous People

Identify the countries of operations within the World Bank's list of "Fragile and Conflict-Affected Situations"	None	
Percentage of proved reserves that are located in or near areas that are considered to be indigenous peoples' land	Does Not Apply	
Percentage of probable reserves that are located in or near areas that are considered to be indigenous peoples' land	Does Not Apply	
Percentage of inferred, indicated and measured resources that are located in or near areas that are considered to be indigenous peoples' land	0.0000%	
Total amount of inferred, indicated and measured resources	10,327	Laurion is reporting indicated re the Ishkoday's surface ore-bearing and reports working in indigenous total amount of indicated resource bearing stockpiles totals 10,327 ounces
Describe due diligence practices and procedures with respect to indigenous rights of communities in which it operates or intends to operate	Laurion ensures regular consultation indigenous partners and local communities carried out and reported periodically	See link to press releases on activities Ishkoday Gold Project Press Releases and Updates
Discuss practices and list procedures while operating in areas of conflict	Laurion does not conduct business in areas of conflict.	

Community Relations

Artisanal and Small-Scale Mining

Number of company operating sites where artisanal and small-scale mining (ASM) takes place on, or adjacent to, the site (not controlled by company/unauthorized)	0
Percentage of company operating sites where artisanal and small-scale mining (ASM) takes place on, or adjacent to, the site	Does Not Apply
Report the associated risks and the actions taken to manage and mitigate these risks	Artisanal and Small-Scale Mining is allowed in the region of Laurion's operations.

Programs

Report on community relations programs, objectives and achievements in the past 3 years

Laurion prioritizes the community the operations site and maintains a relationship with them. The renamed Sturgeon River property to the "Island"



First Nation students assisting in monthly water sampling program



LAURION hosting quarterly meeting with First Nation Community Representatives



Young First Nation Student conducting geotechnical testing in the core facility.

Property was completed in collaboration with five communities; the Bingwi Neyaashi Anishinaabek, the Biinjitiwaabik Zaaging Anishinabe, the Animbiigoo Zaagi'igan Anishinabe, the Red Sky Metis Nation of Ontario, and the Metis Nation of Ontario.

LAURION continues to work closely with these communities as it advances the project. See the images below.

Discuss the processes, procedures, and practices to manage risks and opportunities associated with the rights and interests of communities in areas where it conducts business

LAURION ensures open and continuous communication with members of these communities. This fosters trust and maintains our social license to operate for the long term.

Risks and Opportunities

Disclose the total number of site shutdowns or project delays due to non-technical factors

0

Disclose the total aggregate duration (in days) of site shutdowns or project delays due to non-technical factors

0

Governance

Climate Change

Oversight

Is there board-level oversight of climate-related issues within your organization

Yes

Responsibility

Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues

Chief Executive Officer (CEO)

Nature of primary responsibility

Both assessing and managing climate risks and opportunities

Reporting

Frequency of reporting to the board on climate-related issues

As important matters arise

Incentives

Do you provide incentives for the management of climate-related issues, including the attainment of targets

No, and we do not plan to introduce them in the next two years

Risk and Opportunity Management

Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities

No - important but not an immediate priority

Risk Assessments

Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business

No - not yet evaluated

Opportunity Assessments

Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business

No

Strategy

Have climate-related risks and opportunities influenced your organization's strategy and/or financial planning

No

Water Management

Quality and Quantity Dependency

Rate the importance (current and future) of freshwater quality and quantity to the success of your business

Direct use importance rating

Have not evaluated

Indirect use importance rating

Have not evaluated

Rate the importance (current and future) of sufficient quantity of recycled, brackish and/or produced water for the success of your business

	Direct use importance rating	Have not evaluated
	Indirect use importance rating	Have not evaluated
Risk Assessments		
	Does your organization undertake a water-related risk assessment	No, water-related risks are not ass
	Select the options that best describe your procedures for identifying and assessing water-related risks	
	i. Coverage	None
	ii. Risk Assessment Procedure	Not Applicable
	iii. Frequency of Risk Assessment	Not defined
	iv. How far into the future are risks considered	Not Applicable
	Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on operations	No
Opportunity Assessments		
	Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business	Not Applicable
Responsibility		
	Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues	Chief Executive Officer (CEO)
Policy		
	Does your organization have a documented water policy	No
	Select the options that best describe the scope and content of your organizations' water policy	None
Reporting		
	Frequency of reporting to the board on water-related issues	Other, please specify LAURION exploratory activities ar early stage, as such water manager material topic at this time.
Incentives		
	Do you provide incentives to C-suite employees or board members for the management of water-related issues	No, and we do not plan to introduc next two years
Strategy		
	Are water-related issues integrated into any aspects of your long-term strategic business plan	No, water-related issues were not and there are no plans to do so
Governance structure and composition		
	Describe its governance structure, including committees of the highest governance body; e.g., the Board of Directors, the Executives, the Board Environment Committee, Board Safety Committee, the Advisory Committee, etc.	The Board of Directors is the high governance level in the organizati
	List the committees of the highest governance body that are responsible for decision making on and overseeing the management of the organization's impacts on the economy, environment, and people; e.g., the Board of Directors, the Executives, the Board Environment Committee, Board Safety Committee, the Advisory Committee, etc	The Board of Directors and the Tec Committee oversee the managem sustainability issues and are the hi authority within the organization c
Delegation of responsibility for managing impacts		
	Describe whether the highest governance body has appointed any senior executives with responsibility for the management of organization's impacts on the economy, environment, and people e.g., is it part of the Governance structure of the company, the CFO or internal audit reporting to the Board	The Board of Directors has delegat responsibility of decision-making c sustainability issues to the CEO an executives who in turn report to th periodically on these matters.
Governance structure and composition		
	Describe the composition of the highest governance body and its committees by	
	Number of executive members	1

Number of non-executive members	3
Number of independent members	2
Less than 3 years of tenure of members on the governance body	0
3-6 years of tenure of members on the governance body	0
6-9 years of tenure of members on the governance body	0
More than 10 years of tenure of members on the governance body	4
Number of Male governance body members	3
Number of Female governance body members	1

Board Diversity

Do you have a diversity policy and if so, provide details, link to the policy or attach the file

LAURION does not currently have diversity policy and does not plan to in the next two years. However, it independently has a policy of retaining a diverse geoscience team.

Chair of the highest governance body

Is the chair of the highest governance body is also a senior executive in the organization

No

Conflicts of Interest

Describe the processes for the highest governance body to ensure that conflicts of interest are prevented and mitigated

LAURION's Code of Business Conduct and Ethics details how all representatives are expected to conduct themselves in situations where there is a conflict of interest

See Code of Business Conduct and Ethics



Code of Business Conduct and Ethics

Ethics

Describe the management system and due diligence procedures for assessing and managing corruption and bribery risks internally and associated with business partners in its value chain

Please refer to the anti-corruption policy in the Code of Business Conduct and Ethics attached.



Code of Business Conduct and Ethics

Report net production from activities located in the countries with the 20 lowest rankings in Transparency International's Corruption Perception Index (CPI) (Saleable tonne)

0

LAURION does not have any business operations in the countries with the 20 lowest Transparency International's Corruption Perception Index (CPI).

Anti-Corruption

Communication and Training

i) Total number of governance body members that have received training on anti-corruption, broken down by region

4

ii.) Total percentage of governance body members that have received training on anti-corruption, broken down by region

100.0000%

Stakeholder Engagement

Report the purpose of the stakeholder engagement

LAURION engages its stakeholders so that all stakeholder concerns are factored into business decision-making. Our stakeholders include contractors, communities, governmental agencies, who can be impacted by our business activities.

Tax

Describe the approach to stakeholder engagement and management of stakeholder concerns related to tax, including:

i. The approach to engagement with tax authorities

LAURION's approach to tax is compliance with all tax regulations in its jurisdiction of operation.

ii. The approach to public policy advocacy on tax

LAURION does not currently engage in public advocacy on tax.

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