



OSISKO
MINING



SUSTAINABLE DEVELOPMENT REPORT 2018



Su

Sustainability

2018

PROGRESS ON OUR SUSTAINABILITY JOURNEY





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A LETTER FROM OSISKO MINING



JOHN BURZYNSKI (TOP) AND ALIX DRAPACK (BOTTOM)
AT WINDFALL LAKE

In this Sustainable Development Report, our third, we show Osisko Mining's progress in achieving the sustainable development objectives set out in our second report. We share information on four key components of sustainability – health and safety, society, the environment and the economy – and provide information about our governance, our vision and the status of our key projects.

The projects include Windfall Lake, which again drew much of our attention in 2018. We are pleased with the preliminary results from the Zone 27 bulk sample and the Triple 8 discovery, which confirm significant high-grade gold at depth in the Windfall Lake system. The Windfall Lake and Osborne-Bell Resource Estimates and the Windfall Lake Preliminary Economic Assessment outlined the strong potential for new gold production in Québec, to be processed near Lebel-sur-Quévillon.

Our focus this year was to minimize our effect on the environment through spill, water and waste management, land reclamation and closure planning. We continued collecting baseline data for our Environmental Assessment of the Windfall Lake Project.

We also focused on maintaining and improving health and safety by increasing the visibility of the team in the field and strengthening our emergency plans. We consulted with, shared information with and heard comments from our host communities through open houses, focus groups, interviews and meetings.

In 2018, we won an award recognizing Osisko Mining's significant job creation in the Nord-du-Québec region, where we more than doubled our workforce over the previous year. We are proud to have 60 Aboriginal workers helping us conduct our exploration programs. Our diverse workforce includes 32% female employees. In addition to creating 100 direct jobs, the Windfall Lake Project has been a powerful regional economic driver, with approximately \$10 million invested in goods and services from First Nations and local companies.

We improved our governance according to best practices and regulatory guidance by ensuring a majority of independent directors and adopting a policy regarding the diversity of the board.

As always, we thank our supporters, including employees, First Nations, host communities, financial and government partners, and our shareholders.

Sincerely,

JOHN F. BURZYNSKI
President, CEO and Director

ALIX DRAPACK
Vice-President, Environment Services
and Sustainable Development

@ THE SUSTAINABILITY DEVELOPMENT REPORT INCLUDES
INFORMATION FROM **JANUARY 1 TO DECEMBER 31, 2018**.
THE 2016 AND 2017 REPORTS ARE AVAILABLE AT
OSISKOMINING.COM.

**SEE APPENDIX A – DISCLOSURE CONCERNING
TECHNICAL INFORMATION.**

WHO IS OSISKO MINING?



Osisko Mining is a mineral exploration company focused on the acquisition, exploration, and development of precious metal resource properties in Canada. Our main objective is to create value for all of our stakeholders, including our shareholders, employees and host communities.



Osisko Mining has five main values that guide our employees and define our company culture.

Respect: Display respect in all our actions and interactions.

Passion: Use our passion and commitment to energize, engage and inspire.

Diversity: Hire and nurture a diverse and inclusive team.

Integrity: Be honest, open, ethical, and fair. Keep our word.

Efficiency: Be efficient and creative in our use of resources.

OSISKO MINING BY THE NUMBERS

	2018	2017	2016
TSX	OSK	OSK	OSK
Shares outstanding	± 257M	± 208M	162M
Fully diluted shares	± 282M	± 250M	190M
Fully diluted cash	± 195M	± 315M	± 140M
Market capitalization	± 790M	± 705M	± 395M
Debt	0	0	0
Equity	± 531M	± 428M	N/A
Net revenues	0	0	0
Cash and investment	± 136M	191M	± 117M
Total workforce	158	173	73

WINDFALL LAKE PROJECT	2018	2017	2016
Mining claims	12,400 ha	12,400 ha	12,400 ha
Total drilled	179,870 m	386,596 m	106,000m
Total exploration ramp advancement	2,330 m	-	-
Spent	\$92M	\$104M	\$22M

NUMBERS AS OF DECEMBER 31 OF THE APPLICABLE YEAR.

2018 AT A GLANCE

OSISKO MINING'S PROJECTS

IN 2018, OSISKO MINING
DRILLED APPROXIMATELY:

**179,870
METRES**

.....
ON THE
WINDFALL
LAKE PROJECT

**7,302
METRES**

.....
ON THE
URBAN BARRY
PROJECT

**33,976
METRES**

.....
ON THE
QUÉVILLON
OSBORNE-
BELL PROJECT

**10,641
METRES**

.....
ON OTHER
EXPLORATION
PROJECTS
(GARRISON
AND KAN)



On April 23, 2018, Osisko Mining released the Osborne-Bell Resource Estimate, which added 2.59 Mt at 6.13 g/t Au for 510,000 ounces of gold in the inferred mineral resource category (with an effective date of March 2, 2018); and on June 12, 2018, Osisko Mining released the Windfall Lake Resource Estimate, which added 2.38 Mt at 7.85 g/t Au for 601,000 ounces of gold to the indicated mineral resource category and 10.61 Mt at 6.70 g/t Au for 2,284,000 ounces of gold to the inferred mineral resource category (with an effective date of May 14, 2018). Osisko Mining also released the Updated Lynx Zone Resource Estimate on November 27, 2018, which increased the Windfall Lake indicated mineral resources to 2.87 Mt at 8.17 g/t Au for 754,000 ounces of gold and the Windfall Lake inferred mineral resources to 10.35 Mt at 7.11 g/t Au for 2,366,000 ounces of gold (See Update Mineral Resource notes in Appendix A – Disclosure Concerning Technical Information)

Working in such a dynamic, stimulating and challenging environment has allowed me to evolve both personally and professionally. Since completing my studies, I have had the chance to work with experienced people from different cultures and backgrounds who are committed to the success of our exploration projects. I consider that my job at Osisko Mining has opened my horizons to Quebec. Thank you for helping me discover new territories and exceptional people!

CATHERINE HOULE
Geological Technician



OSISKO MINING HOLDS:

A 100% INTEREST

.....

IN THE HIGH-GRADE
WINDFALL LAKE
GOLD DEPOSIT
ON THE EYYOU
ISTCHEE JAMES
BAY TERRITORY IN
NORTHERN QUÉBEC.

A 100% UNDIVIDED INTEREST

.....

IN A LARGE AREA
OF CLAIMS IN THE
URBAN BARRY AREA.

A 100% INTEREST

.....

IN A LARGE CLAIM
PACKAGE IN THE
QUÉVILLON AREA,
WHICH INCLUDES
THE QUÉVILLON
OSBORNE-BELL
GOLD DEPOSIT.

A 100% INTEREST

.....

IN THE GARRISON
PROJECT EAST
OF MATHESON,
ONTARIO.

A 100% INTEREST

.....

IN THE MARBAN
PROJECT LOCATED
IN THE HEART OF
QUÉBEC'S PROLIFIC
ABITIBI GOLD
MINING DISTRICT.

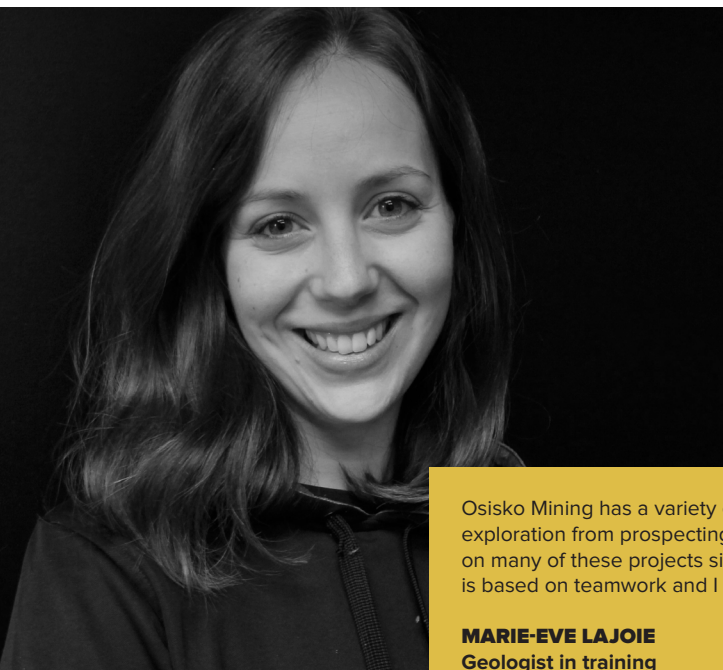
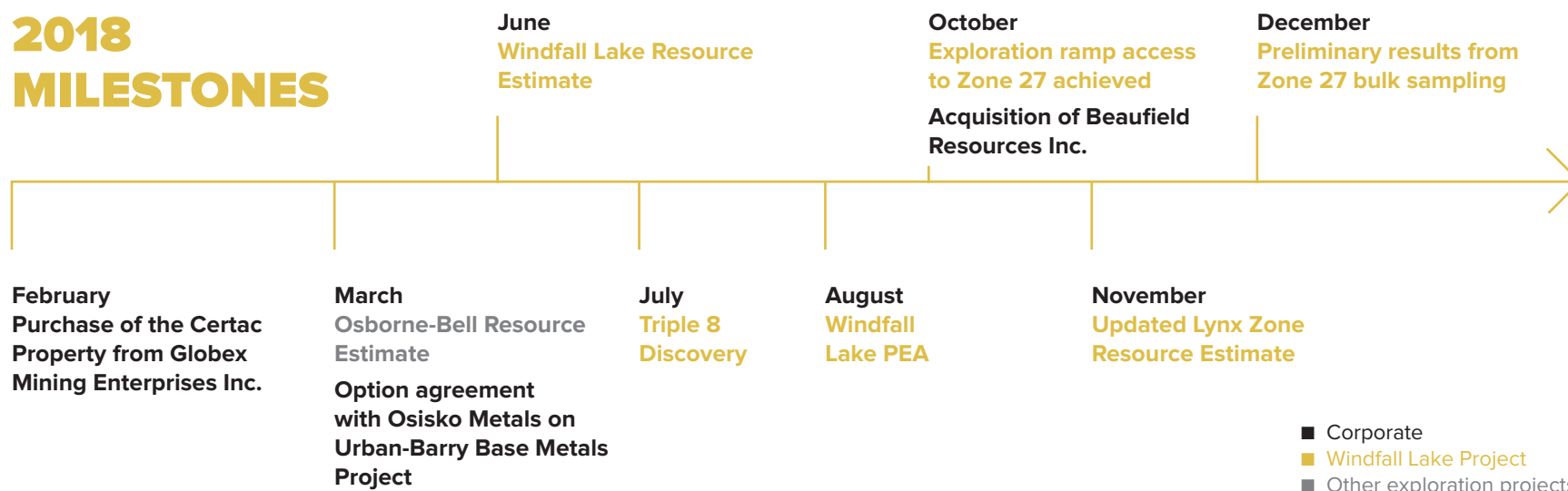
ADDITIONAL PROJECTS

.....

IN THE TIMMINS
AREA OF ONTARIO,
THE JAMES BAY AND
LABRADOR AREA OF
NORTHERN QUÉBEC.

PROJECT	LOCATION	STATUS	2018 ACTIVITY
Windfall Lake	Québec	Owned 100%	Drilling, infill drilling, underground work, bulk sampling
Quévillon Osborne-Bell	Québec	Owned 100%	Drilling and infill drilling
Quévillon Osborne Base Metals	Québec	Owned 100%	Drilling
Urban Barry	Québec	Owned 100%	Drilling, prospecting, till sampling, dating and geochemistry
Urban Barry Base Metals	Québec	Owned 100%	Drilling
James Bay	Québec	Earn-in	None
Kan	Québec	Earn-in	Drilling
Eléonore Regional	Québec	Earn-in	Geophysics survey, trenching
Eléonore JV	Québec	Earn-in	Geophysics survey, trenching
Éléonore-Opinaca	Québec	Owned 100%	Acquisition from Beaufield
FCI – Corvette Lithium	Québec	Earn-in	None
Urban Duke	Québec	Earn-in	Acquisition from Beaufield
Tortigny	Québec	Owned 100%	Acquisition from Beaufield
Launay	Québec	Owned 100%	Acquisition from Beaufield
Marban Block	Québec	Owned 100%	None
Garrison	Ontario	Owned 100%	Data migration, geology reinterpretation and drilling
Hemlo	Ontario	Owned 100%	Acquisition from Beaufield

2018 MILESTONES



Osisko Mining has a variety of projects at different stages of exploration from prospecting to drilling. I have had the chance to work on many of these projects since I was hired. Osisko Mining's success is based on teamwork and I am proud to be part of this dynamic group!

MARIE-EVE LAJOIE
Geologist in training

There are so many facets for the Windfall Lake Project. What started as a small exploration camp, now is a micro-society with more than one hundred and fifty workers living together. Everyone strives toward a singular goal: transforming the Windfall Lake Project into the Windfall Lake Mine.

LOUIS GRENIER
Windfall Lake Project Manager, P. Geo



WINDFALL LAKE PROJECT

THE WINDFALL LAKE PROJECT IS LOCATED BETWEEN VAL-D'OR AND CHIBOUGAMAU IN THE EYYOU ISTCHEE JAMES BAY TERRITORY, QUÉBEC. ITS GOLD DEPOSIT IS ONE OF THE HIGHEST-GRADE RESOURCE-STAGE GOLD PROJECTS IN CANADA.

The drill program at Windfall Lake continued in 2018, with 18 drill rigs focused on the main and Lynx deposits and two working on regional targets. The main focus of the drilling activities was infill drilling in the upper portion of Lynx and Zone 27. Two drills were allocated to brownfield exploration (South West exploration program). One underground drill rig focused on Zone 27. At the Quévillon Osborne-Bell Project, the main focus was infill drilling of the gold deposit, with a second rig testing regional targets.

Supporting these activities is Windfall Lake camp, which provides dormitories, a cafeteria, gym and other amenities for an average of 155 people per two-week rotation. The main camp also includes offices, waste management facilities, water wells and septic fields.

TRIPLE 8 DISCOVERY

In 2018, Osisko Mining confirmed the presence of significant high-grade gold at depth in the Windfall Lake system.

We drilled two deep exploration holes to investigate possible depth extensions of the Lynx and Underdog mineralized zones and to further test the geological model. It led to the Triple 8 discovery, an unanticipated zone of mineralization intersected at approximately 1,500 metres down the planned 2,500-metre Deep Underdog hole. The new Triple 8 Zone does not correlate with any known zone and is approximately 660 metres east of the closest known mineralized intercept. New drilling has confirmed and expanded the Triple 8 discovery.

BULK SAMPLE COLLECTION

Underground work in 2018 focused on collecting a bulk sample, underground mapping and underground exploration drilling. In 2017, we completed dewatering the ramp to enable collecting a bulk sample from Zone 27 and Caribou.

The ramp advanced at a rate of approximately 150 metres per month towards the mineralized zones, for a total of 2,330 metres. In October, the exploration ramp reached Zone 27, selected for the initial 5,000-tonne bulk sample for metallurgical testing and grade confirmation. The geology observed compares well with that predicted by drilling and geological models.

In December, we released preliminary results from Zone 27 bulk sampling: 2,078 tonnes of the planned 5,000 tonnes have been mined with an average head grade of 9.7 g/t Au and 5.5 g/t Ag. In 2018, we received all permits required to obtain two additional bulk samples in the Lynx and Underdog zones.

MINERAL RESOURCE ESTIMATE

In 2018, Osisko Mining released the Osborne-Bell Resource Estimate for our 100% owned Osborne-Bell gold deposit, located 15 kilometres northwest of Lebel-sur-Quévillon, Québec. This estimate is the result of 927 drill holes (279,925 metres) completed since 1994 by previous operators, including 50 completed after a resource estimate published in 2012, and four new drill holes completed by Osisko Mining in December 2017.

Osisko Mining also filed the Windfall Lake Mineral Estimate, the result of 1,453 drill holes (596,733 metres) completed by previous operators since 1997 and 812 new drill holes (413,692 metres) completed by Osisko Mining from October 2015 to March 2018.

At the end of the year, Osisko Mining released the Updated Lynx Zone Resource Estimate. This updated mineral resource estimate includes 138 infill drill holes (107,366 metres) completed in the Lynx Zone between March 6, 2018 and October 27, 2018. Drilling continues at the Windfall Lake Project through 2019.

The following table shows the results of the Windfall Lake Mineral Resource Estimate (effective date of May 14, 2018) including the Updated Lynx Zone Resource Estimate (effective date of November 27, 2018) and the Osborne-Bell Resource Estimate (effective date of March 2, 2018).

WINDFALL LAKE AND OSBORNE-BELL RESOURCE ESTIMATE

	Indicated			Inferred		
	Tonnes (000 t)	Grade (g/t)	Ounces Au (000 oz)	Tonnes (000 t)	Grade (g/t)	Ounces Au (000 oz)
Windfall Lake ^{1&2}	2,874	8.17	754	10,352	7.11	2,366
Osborne-Bell ³	-	-	-	2,587	6.13	510
Total	2,874	8.17	754	12,939	-	2,876

¹See Updated Lynx Zone Resource Estimate notes in Appendix A

²See Windfall Lake Resource Estimate notes in Appendix A

³See Osborne-Bell Resource Estimate notes in Appendix A

Mr. Mathieu Savard, P.Geo. B.Sc., Vice President of Exploration Québec of Osisko, is a “qualified person” (as defined in NI 43-101) and has reviewed and approved the technical information in this report with respect to all the Corporation’s properties in Québec, including the Windfall Property, Quévillon Osborne-Bell Property and James Bay Properties.



The Windfall Lake Project has 15 to 24 drills working at full speed and producing 6,000 to 10,000 m of core per week. This terrific team accepted the crazy challenge of finding the “mine of tomorrow” and spares no effort to overcome any obstacle that arises with a smile. Always.

ISABELLE ROY
Windfall Lake Project Manager, P. Geo

PRELIMINARY ECONOMIC ASSESSMENT (PEA)

*Caution: The Windfall Lake PEA highlights provide an initial, high-level review of the project potential and design options. The Windfall Lake PEA mine plan and economic model use numerous assumptions and inferred mineral resources. These are considered too speculative for economic analysis except as allowed for by NI 43-101 in preliminary economic assessment studies. There is no guarantee that inferred mineral resources can be converted to indicated mineral resources or measured mineral resources, and therefore there is no guarantee the project economics described here will be achieved.

The Windfall Lake PEA includes the Windfall Lake Resource Estimate (effective date of May 14, 2018) and the Osborne-Bell Resource Estimate (effective date of March 2, 2018). The Updated Lynx Zone Resource Estimate was not included as well as the down plunge extensions of Underdog, Lynx Zone, Zone 27, Bobcat Zone and Triple 8 discoveries were not included in this study, as resource definition drilling in these areas is still in progress. These areas are expected to be included in the feasibility work in 2019.

Information relating to the preliminary economic assessment for the Windfall Lake Project and the Quévillon Osborne-Bell Project is supported by the technical report titled "NI 43-101 Technical Report Preliminary Economic Assessment for the Windfall Lake Project" dated of August 1, 2018 with an effective date of July 12, 2018 (the "Windfall Lake PEA") prepared by BBA Inc., which included contributions from the geological and engineering teams at InnvoExplo Inc., Golder Associates Ltd, BBA Inc., WSP Canada Inc. and SNC-Lavalin Inc. Reference should be made to the full text of the Windfall Lake PEA, which has been filed with Canadian securities regulatory authorities pursuant to NI 43-101 and is available for review on SEDAR (www.sedar.com) under Osisko's issuer profile.

@ FOR MORE INFORMATION ON THE PROJECTS VISIT
OSISKOMINING.COM

THE WINDFALL LAKE PRELIMINARY ECONOMIC ASSESSMENT OUTLINES THE STRONG POTENTIAL FOR NEW GOLD PRODUCTION IN QUÉBEC, COMBINING THE WINDFALL LAKE GOLD DEPOSIT AND THE OSBORNE-BELL GOLD DEPOSIT, ALL PROCESSED IN A FACILITY NEAR LABEL-SUR-QUÉVILLON.

HIGHLIGHTS OF THE WINDFALL LAKE PEA*

**BASE CASE: GOLD PRICE US\$1,300/OZ, SILVER PRICE US\$17.00/OZ,
EXCHANGE RATE C\$1.00 = US\$0.78**

Internal rate of return (IRR) after taxes and mining duties	32.7%
Net present value (NPV) after taxes and mining duties	C\$413.2 million
Pre-production construction costs (including C\$51.8 M contingency)	C\$397.3 million
Peak-year payable production	248,000 oz
Average life of mine payable production	218,000 oz
Net gold recovery	92.4%
Average diluted gold grade	6.7 g/t Au
Life of mine (LOM)	8.1 years
Total ore material mined	8,914,000 tonnes
Contained gold in mined resource	1,915,000 oz
Payable gold LOM	1,769,000 oz
Payable silver LOM	577,000 oz
All-in sustaining costs net of by-product credits and royalties over LOM	US\$704.00/oz
Estimated all-in cost (Capital expenditure (CAPEX) plus Operating expenditure (OPEX))	US\$879.00/oz
Total unit operating cost	C\$126.47/ tonne milled
Gross revenue	C\$2.96 billion
Operating cash flow	C\$1.12 billion
Mine start-up/full production	Q2 2022/Q3 2022
Net present value before taxes and mining duties	C\$625.4 million
IRR before taxes and mining duties	39.7%

GOVERNANCE

MANAGEMENT AND THE BOARD RECOGNIZE THE VALUE OF GOOD CORPORATE GOVERNANCE AND WE ARE COMMITTED TO CONTINUALLY IMPROVING OUR GOVERNANCE ACCORDING TO EVOLVING BEST PRACTICES AND REGULATORY GUIDANCE.



LOUIS-MATHIEU TREMBLAY
GEOLOGICAL ENGINEER

Osisko Mining has a Code of Business Conduct and Ethics, which applies to all employees, contractors, management and directors.

In addition, we have adopted a policy regarding the diversity of the Board of Directors. In an increasingly complex global marketplace, the ability to draw on a range of viewpoints, backgrounds, skills and experience is critical to our success. Our directors have expertise in exploration, metallurgy, mining, accounting, legal, banking, finance and securities. Now, recognizing the important role that women with relevant skills and experience can play in contributing to diverse perspectives, we have set an objective of reaching 40% representation of women on the Board by December 31, 2021.

**THE BOARD MEETS AT
LEAST FOUR TIMES PER
YEAR, SUPPORTED BY THE
FOLLOWING COMMITTEES:**

AUDIT COMMITTEE (AC)

CORPORATE GOVERNANCE AND
NOMINATING COMMITTEE (CGNC)

COMPENSATION COMMITTEE (CC)

SUSTAINABLE DEVELOPMENT
COMMITTEE (SDC)

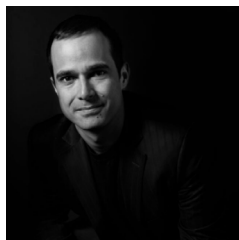
THE BOARD APPROVED SEVERAL POLICIES WHICH ARE
AVAILABLE AT [OSISKOMINIG.COM](https://www.osiskominig.com).

OSISKO MINING'S CORPORATE GOVERNANCE PRACTICES
COMPLY WITH THOSE SET OUT BY THE CANADIAN
SECURITIES ADMINISTRATORS, INCLUDING NATIONAL
INSTRUMENT 58-101, "DISCLOSURE OF CORPORATE
GOVERNANCE PRACTICES."

Executive Directors



**JOHN F.
BURZYNSKI**
President
Chief Executive Officer
SDC



**JOSE VIZQUERRA-
BENAVIDES**
Executive
Vice President
of Strategic
Development
SDC (Chair)

Independent Directors



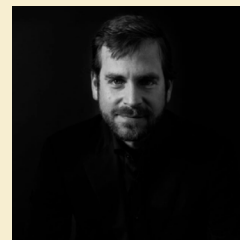
SEAN ROOSEN
Chairman of the board
AC



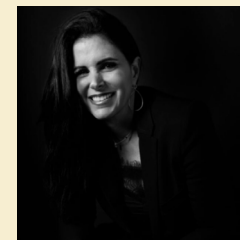
**PATRICK
ANDERSON**
CGNC



KEITH MCKAY
AC (Chair)
CC
CGNC
SDC



**BERNARDO
ALVAREZ
CALDERON**
CC (Chair)
AC



AMY SATOV
CGNC (Chair)
AC
CC

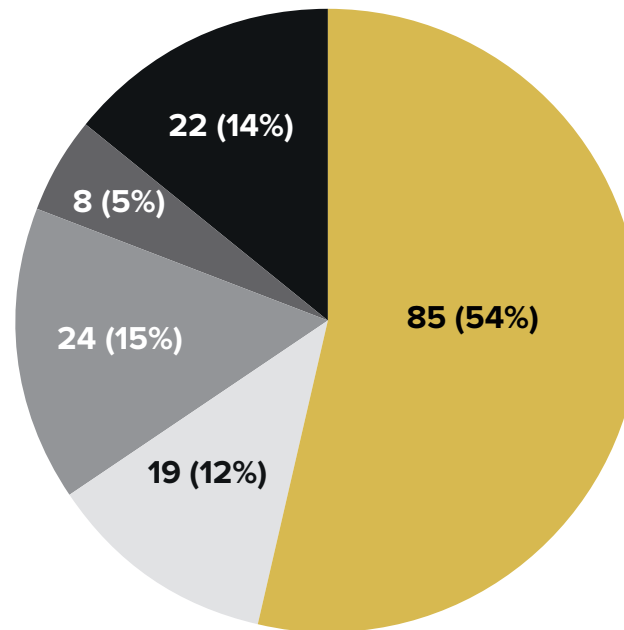
OUR TEAM

TO ATTRACT THE BEST TALENT, OSISKO MINING OFFERS MANY BENEFITS, FOCUSES ON DEVELOPING EMPLOYEES' SKILLS AND FOLLOWS SUSTAINABLE PRACTICES.

OUR 2018 WORKFORCE INCLUDED 158 EMPLOYEES, 32% OF WHOM WERE FEMALE. ALL OUR EMPLOYEES ARE CANADIAN; THE MAJORITY ARE FROM QUÉBEC.



IN 2018, THE OSISKO MINING WORKFORCE INCLUDED 32% WOMEN.



Staff by place of residence

- Quebec
- Cree First Nation of Waswanipi*
- Abitibi-Témiscamingue
- Nord-du-Quebec
- Ontario

*Includes community members who live outside the territory



My work at Osisko Mining fascinates me! Each day brings its share of discovery and new learning.

KIM NGUYEN
Project Manager

	2018		2017		2016	
	Male	Female	Male	Female	Male	Female
Board of Directors	6 (86%)	1 (14%)	8 (89%)	1 (11%)	10 (100%)	0 (0%)

	2018		2017		2016	
	Male	Female	Male	Female	Male	Female
Workforce						
Management	6 (67%)	3 (33%)	8 (73%)	3 (27%)	8 (90%)	1 (10%)
Employees	102 (68%)	47 (32%)	103 (64%)	59 (36%)	39 (61%)	25 (39%)
Total	108 (68%)	50 (32%)	111 (64%)	62 (36%)	47 (64%)	26 (36%)
	158		173		73	

Numbers as of December 31 of the applicable year.



Osisko Mining offers an inclusive workplace with a diversity of gender, culture, beliefs, origins and ethnicity. At Osisko Mining, diversity is an asset.

JONATHAN LIKENG
Junior Geological Engineer

ABORIGINAL WORKERS

IN 2018, APPROXIMATELY 18% OF OUR WORKFORCE ON THE WINDFALL LAKE SITE CAME FROM FIRST NATIONS COMMUNITIES, PARTICULARLY WASWANIPi.

We consider the participation of First Nations workers to be a key aspect of the Windfall Lake Project's success. The Cree First Nation of Waswanipi community members fill many positions, such as the Waswanipi Community Liaison Advisor, First Nation Human Resource Facilitator, Environmental Technician, Water Treatment Operator, General Labourer, Core Cutter and Administrative Assistant.

For civil works, catering, road maintenance, fuel supply, underground exploration development and surface drilling services, Osisko Mining uses Aboriginal businesses.



The Windfall Lake Project creates jobs for the people of Eeyou Itschee. We work together: Crees, Québécois and Canadians, speaking Cree, French and English.

IAN OBLIN

First Nation Human Resource Facilitator and Windfall Lake Project Fire Chief

ABORIGINAL WORKERS	2018	2017	2016
Windfall Lake and Urban Barry Projects	55	>80	12
Quévillon Project	2	-	-
Garrison Project	1	6	5
Kan Project	3	6	4
Total	61	>92	21

JOB CREATION

IN 2018, OSISKO MINING WON THE PRIX CRÉATEURS D'EMPLOIS IN THE CHAMPION CATEGORY FOR THE NORD-DU-QUÉBEC REGION. THIS AWARD RECOGNIZES OUR SIGNIFICANT JOB CREATION IN THE REGION, WHERE WE MORE THAN DOUBLED OUR WORKFORCE IN 2017. IN ADDITION TO CREATING 100 DIRECT JOBS, THE WINDFALL LAKE PROJECT HAS BEEN A POWERFUL REGIONAL ECONOMIC DRIVER, WITH APPROXIMATELY \$10 MILLION INVESTED IN GOODS AND SERVICES FROM FIRST NATIONS AND LOCAL COMPANIES.



THE OSISKO MINING TEAM ACCEPTS THE PRIX CRÉATEURS D'EMPLOIS AWARD.

SUSTAINABLE DEVELOPMENT ACTION PLAN

IN ACCORDANCE WITH OUR HEALTH AND SAFETY AND SUSTAINABILITY POLICY, WE MONITOR OUR PERFORMANCE IN THESE FOUR KEY COMPONENTS: HEALTH AND SAFETY, SOCIETY, ENVIRONMENT AND ECONOMY.

THE FOLLOWING SECTIONS AND TABLES PRESENT OUR ACTION PLAN FOR 2019-2021 AND SHOW OUR PROGRESS OVER THE PAST THREE YEARS. THE ACTION PLAN IS DYNAMIC AND WILL EVOLVE AS THE COMPANY ALIGNS OUR STRATEGIES TO MEET NEW CHALLENGES.

HEALTH AND SAFETY

IN 2018, WE STRENGTHENED OUR HEALTH AND SAFETY (H&S) DEPARTMENT, POLICIES AND PROTOCOLS TO ENSURE THE HEALTH, SAFETY AND WELL-BEING OF OUR WORKFORCE.

We continue to maintain and improve H&S activities in these seven areas of our Occupational Health and Safety Management System (OHSMS):

1. Responsibility and commitment
2. Risk management
3. Incident management
4. Loss reduction
5. Control of documents
6. Communication
7. Monitoring and continuous improvement

Our H&S department increased the visibility of our team in the field. We created supporting tools including:

- Windfall Lake emergency plan
- Risk assessment procedures
- Working procedures
- Incident reports
- Investigating system
- Corrective action system
- Fire emergency plan
- Site access procedure

We regularly review and modify protocols and policies to maintain the proper controls and meet any legislative changes.

New safety infrastructure and equipment includes an access road to our Windfall Lake Project and a gatehouse to control traffic and inform drivers

about camp speed limits. With new underground works this year, the H&S department introduced underground emergency procedures, general procedures, working cards and underground safety infrastructure.

We improved the site orientation given to employees, contractors and visitors. Workers attend daily meetings where H&S is first on the agenda, and we encourage employees and contractors to report incidents. This improved the reporting of unsafe situations and the use of safe actions.

Training is also important to keep our people safe. Our H&S team and other employees attended training in first aid, mining modules, mine rescue, Workplace Hazardous Materials Information System, time and priority management, and safety procedures for tools, machinery and vehicles. We also test and improve our emergency plans, our first response team and fire brigade.

Our actions consider the well-being of the general public as well. Windfall Lake camp hosted more than 90 firefighters from Société de protection des forêts contre le feu (SOPFEU) to support their work in fighting forest fires. We also donated an emergency trailer to Lebel-sur-Quévillon and provided flu vaccines for Osisko Mining employees at the Windfall Lake site.



I love working on the Windfall Lake Project where I am surrounded by genuine and honest people. My co-workers and I are like a family and so we are committed to ensuring that each of us comes home healthy and in one piece. I like promoting a health and safety culture that will be sustainable over time.

DONALD GINGRAS
Occupational Health and Safety Corporate
Superintendent

WE INVESTIGATE INCIDENTS TO FIND THE UNDERLYING CAUSES AND TAKE IMMEDIATE ACTION TO PREVENT A REOCCURRENCE. WE DOCUMENT AND TRACK CORRECTIVE ACTIONS TO ENSURE COMPLETION AND CLOSURE. THIS TABLE SHOWS OUR H&S STATISTICS FOR 2018:



OUR NEW GATEHOUSE HELPS CONTROL TRAFFIC AND SPEED AT THE WINDFALL LAKE PROJECT.

	WINDFALL LAKE PROJECT			ALL PROJECTS		
Employees and contractors	↓	2018	2017	↓	2018	2017
Worked hours	↓	708,678	801,546	↓	851,304	993,388
First aid incidents	↓	84	113	↓	104	131
Medical treatment	↓	13	20	↓	17	26
Lost time	↓	3	7	↓	3	8
Restricted work	↓	13	21	↓	20	22
Lost time injury frequency rate	↓	0.8	1.7	↓	0.7	1.6
Cumulative frequency rate	↓	4.52	7.0	↓	5.4	6.0
Total recordable injury frequency rate	↓	8.2	11.9	↓	9.4	11.27

*Lost Time Injury Frequency Rate (LTIFR): $\frac{\text{Number of lost time accidents} \times 200,000 \text{ hours}}{\text{Hours worked year to date}}$

*Cumulative Frequency Rate (CFR): $\frac{\text{Number of lost time} + \text{Restricted work injuries} \times 200,000}{\text{Hours worked year to date}}$

*Total Recordable Injury Frequency Rate (TRIFR): $\frac{\text{Total medical aid injuries} + \text{Restricted work assignments} + \text{Lost time accidents} \times 200,000}{\text{Hours worked year to date}}$



OUR FIRE BRIGADE PROUDLY WEARS THEIR CUSTOM LOGO.

HEALTH AND SAFETY

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Provide a safe working environment.	Promote a culture of health and safety.	Improve communication aimed at prevention. Implement the positive reinforcement program to reward H&S improvements. Focus on “5 Rules to save lives”: 1-lockout, 2-working at height, 3-working space delimitation, 4-confined space, 5- driving mobile equipment.	Increased H&S visibility in the field. Prioritized drug and alcohol prevention. Added a new gym and yoga room (Windfall Lake).	H&S department in place (corporate H&S superintendent, four H&S advisers, two nurses, four security guards). Developed and implemented drug and alcohol policy.	H&S support system identified at each site.
	Continuous improvement of Occupational Health & Safety Management System (OHSMS).	Maintain OHSMS. Implement an H&S committee (employer / employee).	OHSMS implementation. Continually improve our standard operating procedures, policies and systems – surface and underground. Better management of safety meetings. Started daily meetings with H&S as the first topic.	Developed and implemented OHSMS. Continually updated our standard operating procedures. Established mine rescue team, fire brigade and first responder team (Windfall Lake). Completed risk assessment workshops.	Site-specific H&S manuals completed.
		Add mandatory risk assessment for each new task.			
		Implement working card for surface employees.			
		Provide a risk list for every job description.			
Ensure our workforce is well trained in health and safety and ready to respond to emergencies.	Fully trained workforce with effective emergency response plan.	Ongoing site safety orientation and training.	Site safety training for employees, contractors and visitors. Daily H&S meetings.	Site safety training for employees, contractors and visitors. Introduced daily H&S meetings.	Site safety orientation training for employees, contractors and visitors.
		Maintain site-specific emergency plans.	Updated site-specific emergency plans. Awarded security contract (Windfall Lake). Purchased an ambulance.	Updated site-specific emergency plans.	Site-specific emergency plans completed.
		Expand Windfall Lake fire protection equipment and protocol.	Preparation of the Emergency Plan and Fire Emergency Plan (Windfall Lake).		
		Ongoing emergency practices for response teams.	Conducted emergency simulations – surface and underground (Windfall Lake). Weekly training for first responders (Windfall Lake). Maintained and trained a mine rescue team and fire brigade (Windfall Lake).	Conducted emergency simulations (Windfall Lake). Weekly training for first responders (Windfall Lake).	

HEALTH AND SAFETY

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Ensure our workforce is well trained in health and safety and ready to respond to emergencies.	Fully trained workforce with effective emergency response plan.	Ongoing needs assessment for H&S training.	Completed needs assessment on mine rescue, fire brigade and first responders. Continued recruitment to fill mine rescue, fire brigade and first responders positions.		
		Ongoing tracking H&S training.	Kept records for H&S employee training.	Kept records for first responders training; firefighter training; training on specific equipment (Skytrack, boom lift, scissor lift, ATVs).	Completed Ontario joint H&S committee certification parts 1 & 2 (management/worker). On-site risk assessment training completed. Began record keeping for H&S employee training.
Monitor, analyze and audit our safety performance.	Report and analyze incidents.	Ongoing mandatory H&S activities for managers (inspections, task observations, investigations).			
		Ongoing reporting of H&S statistics.	Collected data for the full year on H&S incidents. 2018 lost time incident frequency rate (LTIFR) of 0.85 for Windfall Lake Project and 0.70 overall.	Collected data for the full year on H&S incidents. 2017 LTIFR of 1.6.	Three months of H&S data collected in 2016. LTIFR of 1.5 in Q4 2016.
		Ongoing audits of on-site practices.	More than 400 H&S field inspections (surface and underground). 6 inspections by CNESST.	More than 250 H&S field inspections. Three inspections by CNESST.	Six site inspections done.
		Analyze trends and develop corrective actions to reduce incidents.	Implemented the new accident report and investigation forms. Other sites send accident reports to H&S Windfall Lake department to standardize. Encouraged workers to report every incident. Added a new area for reporting "Services." Performed incident investigations and applied corrective measures. Analyzed incident trends and developed safety talks aimed at reducing problem areas.	Established a risk register by workstations. Improved accident reporting procedures. Developed and implemented corrective measures process. Initiated the incident investigation process. Analyzed incident trends and developed safety talks aimed at reducing problem areas.	

SOCIETY

OSISKO MINING BUILDS
RELATIONSHIPS WITH OUR HOST
COMMUNITIES BY:



CRAFTS MADE BY A WASWANAPI ARTISAN.

SHARING INFORMATION

- MEETINGS
- PRESENTATIONS
- LETTERS
- COMMUNITY
EVENTS

ENCOURAGING ONGOING DIALOGUE

- CONSULTATION
ACTIVITIES
- COLLECTING
COMMUNITY
MEMBERS'
CONCERNS
- LAND USERS
MEETINGS

ENSURING OUR ACTIVITIES BENEFIT HOST COMMUNITIES

- PROVIDING
EMPLOYMENT
- MAINTAINING
WORKFORCE
SATISFACTION
- IDENTIFYING
BUSINESS
OPPORTUNITIES
- PARTICIPATING
IN CULTURAL
ACTIVITIES
- PROMOTING
EDUCATION

These activities help us learn from our host communities about their culture, activities and relationship to the land. We seek their contribution and knowledge to minimize the potential effects of our projects on their traditional activities, cultural sites and the environment.

In 2018, we held more than 75 meetings in all regions where we have projects. On the Windfall Lake Project, we regularly met with Cree First Nation of Waswanipi representatives and the stewards of traditional Cree territories (Tallymen) to share information on land use. We also met with the Anishnabeg community of Lac Simon and the Attikamewks from Obedjiwan.

2018 MAIN COMMUNITY EVENTS

JANUARY

- Presented Windfall Lake Project to Waswanipi General Assembly
- Met with Waswanipi W25B Tallyman
- Follow-up meeting on Quévillon Project – Lac Simon

FEBRUARY

- Second Open House in Waswanipi, Windfall Lake and Lebel-sur-Quévillon
- Met with W25B Tallyman
- Collaboration committee meeting with Lebel-sur-Quévillon
- Meeting with Administration Régionale Baie James

MARCH

- Meetings with Cree First Nation of Waswanipi and Cree Nation Government during PDAC
- Caribou and moose survey with Waswanipi W25B Tallyman

APRIL

- Presented to Waswanipi Band Council
- Phone calls with Waswanipi representatives regarding the bulk sample
- Impact & Benefit Agreement (IBA) meeting (Waswanipi and Cree Nation Government)
- Implementation Committee meeting with Waswanipi – Windfall Lake Project
- Kujjuuaq Mining Workshop
- Met with Lebel-sur-Quévillon representatives
- Journée Maillage Donneur d'ordres et fournisseurs in Chapais – Société du Plan Nord

MAY

- IBA meeting (Waswanipi and Cree Nation Government)
- Follow-up meeting on Windfall Lake and Quévillon Projects – Lac Simon
- Follow-up meeting on Windfall Lake Project – Obedjiwan
- Mining Week in Lebel-sur-Quévillon
- Environmental Assessment baseline data collection – Human Environment in Lebel-sur-Quévillon

JUNE

- Environmental Assessment baseline data collection – Human Environment in Waswanipi
- IBA meeting (Waswanipi and Cree Nation Government)
- Windfall Lake site visit (IBA team and Tallyman)
- Aboriginal Day at the Windfall Lake camp site

JULY

- Presented Windfall Lake Project to Waswanipi General Assembly
- Environmental Assessment baseline data collection – Human Environment in Waswanipi
- Participated in cultural event – Old Post (Waswanipi)
- IBA meeting (Waswanipi and Cree Nation Government)
- Follow-up meeting on Windfall Lake and Quévillon Projects – Lac Simon

AUGUST

- Cree Board of Health and Social Services of James Bay site visit – Windfall Lake Project
- Met with Lebel-sur-Quévillon representatives

SEPTEMBER

- Underground visit by Waswanipi representatives – Windfall Lake Project

OCTOBER

- Environmental site visit by W25B Tallyman – Windfall Lake Project
- Xplor convention invitations

NOVEMBER

- Met with Cree Nation Government and Waswanipi
- Implementation Committee meeting – Windfall Lake Project
- IBA meeting (Waswanipi and Cree Nation Government)

DECEMBER

- Leadership Meeting – Chiefs & CEO (Waswanipi and Cree Nation Government)
- Osisko Mining float in Waswanipi Santa Claus parade
- Christmas parties at Windfall Lake camp

RELATIONSHIP WITH ABORIGINAL COMMUNITIES SHARING INFORMATION



I work for Osisko Mining based out of the Waswanipi Band Office. I'm here to share information on the project and make sure that the community concerns are heard. I am also involved in recruiting community members to work at the Windfall Lake Project.

DANNY HAPPYJACK
Waswanipi Community Liaison Advisor

CREE FIRST NATION OF WASWANIPi

Throughout 2018, Osisko Mining shared information about the Windfall Lake Project with the Cree First Nation of Waswanipi through letters, meetings, focus groups, interviews, an open house and presentations to the band council and general assemblies. This included more than 40 different meetings with Waswanipi representatives, Tallymen, entrepreneurs, a variety of organization representatives, band office employees and community members.

We collected baseline data on the human environment in the summer, holding focus groups with elders, youth and women in the community. We also organized interviews with the Tallymen (Lot 17, Lot 19, W24C, W24D, W25A and W25B), representatives of the Band Office Departments, the Cree School Board and schools, the justice and police, the Cree Health Board and some entrepreneurs. These meetings were an opportunity to explain the project and listen to the community. Their main concerns regarded land use disturbance, environmental effects (especially on wildlife and water), employment and contract opportunities, training, social issues, benefits for the community, effects of traffic on the access road and the protection of the environment, Cree culture and human beings.

Osisko Mining hired several people from the Waswanipi community in 2018 and shared information about our exploration activities, environmental baseline data collection, the environmental assessment process, the Windfall Lake Project description and the PEA. The Tallyman participated in some of the baseline data collection for the project, such as the moose and caribou survey.

We organized a surface field visit to the Windfall Lake Project in summer and an underground tour in fall. The Tallymen, family members, band office staff, band council members, Cree Nation Government representatives and IBA negotiators visited the camp, a drill rig and the exploration ramp. The Tallyman of W25B and his family also had the opportunity to visit our environmental management facilities.



ABORIGINAL DAY AT WINDFALL LAKE CAMP.



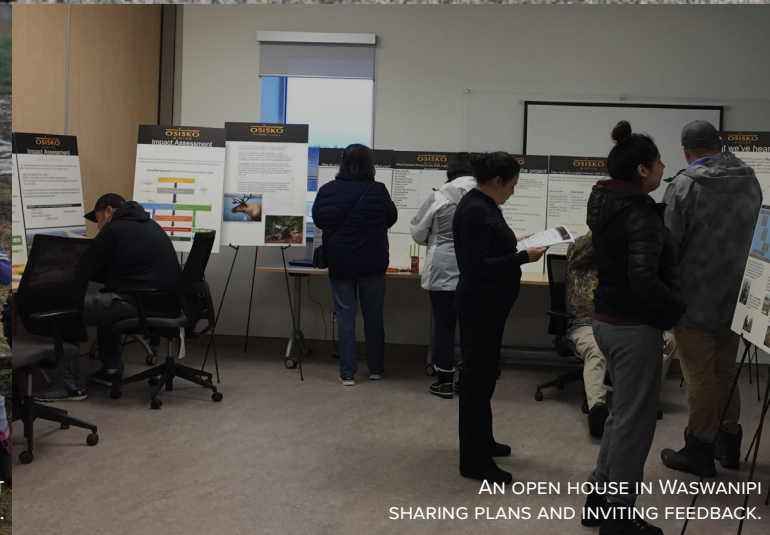
WASWANAPI REPRESENTATIVES' SITE VISIT.



A PRESENTATION TO WASWANAPI
GENERAL ASSEMBLY.



THE OLD POST: A CULTURAL EVENT
WE ATTENDED IN 2018.



AN OPEN HOUSE IN WASWANAPI
SHARING PLANS AND INVITING FEEDBACK.

Each year, to help the communities better understand the implications of exploration and to help create a network of industry contacts, we sponsor community members to attend the Québec Mineral Exploration Association (QMEA) Conference in Montréal. Among them were two Tallymen related to our Windfall Lake Project. We also met with Cree Nation Government and Waswanipi representatives during the PDAC event in March.



LAC SIMON COMMUNITY MEMBERS WORK
ON THE QUÉVILLON PROJECT.

FIRST NATIONS OF LAC SIMON AND OBEDJIWAN

Two other communities have an interest in the Windfall Lake Project: the Obedjiwan community of the Atikamekw Nation and the Lac Simon community of the Anishinabeg Nation. Osisko Mining met with each of these communities in 2018 to share information about exploration activities and details of the Windfall Lake Project.

We also met with Lac Simon to plan our exploration activities in the vicinity of the Bell River to avoid sensitive areas on the Quévillon Project. We used a forestry company from Lac Simon to set the drilling pads and included a monitoring person from the community during drilling.



INUIT WORKERS ON THE KAN PROJECT.

KUUJJUAQ

The Kan Project is approximately 90 kilometres from the village of Kuujjuaq. Osisko Mining met with Nayumivik Landholding Corporation, Nunavik Mining Exploration Fund and Makivik Corporation representatives and the Mayor of Kuujjuaq to address concerns about the project. They particularly want us to minimize the effects of our activities on caribou and fish and maximize economic benefits to the community.

During the summer of 2018, three Inuit people worked on the project. We also use the services of local entrepreneurs such as Air Inuit, First Air, Nunavik Rotors, Tivi, Avataa Explorations and Logistics, Avataa-Rouillier Drilling, NEAS and others. After the field season, we donated all excess food to the community, along with seven oil stoves that have been replaced by electric heaters in the camps. These will be used by land users in hunting shelters.

Osisko Mining presented the Kan Project at the Kuujjuaq Mining Workshop in April and hosted four people from the Nunavik Mining Exploration Fund for eight days in the Kan camp during the summer.

RELATIONSHIP WITH LOCAL COMMUNITIES

LEBEL-SUR-QUÉVILLON

The nearest non-Aboriginal community to the Windfall Lake Project is Lebel-sur-Quévillon. The Osisko Mining team met its mayor and management team to provide an update on the project, share information about employment and goods and services requirements and learn about the city.

Osisko Mining participated in the Mining Week organized by the Société de développement économique de Lebel-sur-Quévillon. Our Senior Sustainable Development Coordinator presented an update of our Windfall Lake Project and regional projects to the public, and our team met local entrepreneurs and staffed an information booth.

In the summer, we collected baseline data on the human environment, holding focus groups with youth and women. We also organized interviews with city representatives and local organizations. Their main concerns regarded environmental effects, the location of the processing plant and benefits for the community.

Osisko Mining operates a coreshack and office in Lebel-sur-Quévillon. Approximately 20 Osisko Mining employees and local subcontractors worked in this facility in 2018. Osisko Mining supports community initiatives through our donation and sponsorship program.



I travel all around Quebec informing people about our activities. I really believe that the Windfall Lake Project will benefit our host communities; First Nation and Non-First Nation. It is a golden opportunity to work together for the common good.

EVA ROY-VIGNEAULT
Senior Sustainable Development Coordinator



A COLLABORATION COMMITTEE
MEETING IN LEBEL-SUR-QUÉVILLON.



MINING WEEK
IN LEBEL-SUR-QUÉVILLON.



A FOCUS GROUP IN ACTION
IN LEBEL-SUR-QUÉVILLON.

SHARING KNOWLEDGE

WE ENCOURAGE OUR EMPLOYEES TO
TAKE ENTREPRENEURIAL, TECHNICAL,
GEOLOGICAL AND HEALTH AND
SAFETY TRAINING.



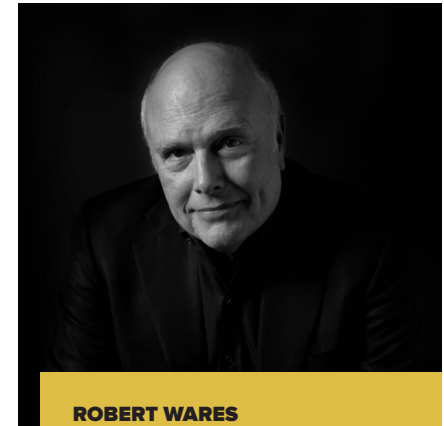
I am grateful for the opportunity to supplement my education by working with passionate colleagues who teach me a lot.

ANNIE-PIER MALTAIS
Engineer-in-training

In 2018, we provided 18 paid internships and three summer jobs for students pursuing careers in the mining industry. Osisko Mining also provided financial support for school activities promoting science and education and supporting research. We sponsored the Student Industry Exploration Workshop held by the PDAC, student initiatives from Université Laval and the Fondation of Université du Québec en Abitibi-Témiscamingue.

In the fall, we created the Osisko Field Education Fund in collaboration with the Earth Sciences Department at the University of New Brunswick. Together, Osisko Mining, Osisko Gold Royalties and Osisko Metals have committed a total of \$250,000 to the program over the next five years.

Robert Wares, Executive Vice President, Exploration & Resource Development, donated \$5 million to McGill University to support research programs, fellowships, innovative research, a lecture series and outreach efforts in the Faculty of Science with a particular focus on the department of Earth and Planetary sciences.



ROBERT WARES
EXECUTIVE VICE PRESIDENT,
EXPLORATION & RESOURCE
DEVELOPMENT

SOCIETY

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Build long-term positive relationships with our Aboriginal partners and local communities.	Maintain open communication with our stakeholders.	Maintain notification system and grow stakeholder list.	Sent community notification letters before initiating exploration (First Nation communities and municipalities).	Sent community notification letters before initiating exploration (First Nation communities and municipalities).	Community notification letters sent before initiating exploration.
		Attend community meetings and events to discuss exploration activities.	Community meetings held where we have projects (James Bay, Kuujjuaq, Lac Simon, Obedjiwan, Waswanipi). Participated in the Kuujjuaq mining workshop (Kan Project). Presented information at Plan Nord event, Journée donateurs d'ordres et fournisseurs in Chapais. Participated in Mining Week in Lebel-sur-Quévillon.	Community meetings held where we have projects. Participated in the Kuujjuaq mining workshop. Presented information at Plan Nord event, Journée donateurs d'ordres et fournisseurs in Chibougamau. Participated in Mining Week in Lebel-sur-Quévillon.	Community meetings held in regions where we have projects.
		Organize field visits for key stakeholders.	Field visits: Waswanipi, Tallymen, Cree Board of Health and Social Services of James Bay.	Field visits: Waswanipi, Lebel-sur-Quévillon and provincial government (Windfall Lake).	
		Increase presence in Waswanipi community through the community liaison adviser.	Employed Waswanipi community liaison adviser (Windfall Lake).	Hired Waswanipi community liaison adviser (Windfall Lake).	
		Host information sessions at key project milestones.	Second open house in Lebel-sur-Quévillon, Waswanipi and Windfall Lake camp (Windfall Lake). Project description video translated in Cree and presented to Waswanipi and Lebel-sur-Quévillon communities and our Windfall Lake workers. Project description shared with Lac Simon and Obedjiwan	First open house in Lebel-sur-Quévillon, Waswanipi and Windfall Lake camp (Windfall Lake). Project description video presented to Waswanipi and Lebel-sur-Quévillon communities and our Windfall Lake workers. Project description shared with Lac Simon and Obedjiwan.	
	Gain knowledge of community values and concerns.	Attend community events to understand and meet local people.	Attended Waswanipi Old Post (Windfall Lake), Waswanipi General Assemblies and Cree Trappers Association General Assembly.	Attended Waswanipi Day (Windfall Lake) and Waswanipi General Assemblies.	
		Gather data on social components and concerns.	Environmental Assessment Baseline data collection on Human Environment: interviews and focus groups in Lebel-sur-Quévillon and Waswanipi and phone interviews with lease owners – Windfall Lake.		Traditional land use study commenced for Windfall Lake.
		Compile list of key community concerns gathered.	Maintained records of community concerns.	Maintained records of community concerns.	

SOCIETY

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Build long-term positive relationships with our Aboriginal partners and local communities.	Work to address community concerns.	Incorporate Traditional Knowledge into Environmental Impact Assessment.			
		Improve the workforce's awareness of cultural diversity.	Prepared and displayed posters on the Cree way of life and hosted Aboriginal Day (Windfall Lake).	Prepared and displayed posters on the Cree way of life and hosted Aboriginal Day (Windfall Lake).	
		Maintain sponsorships and donations.	Sponsored Tallymen and invited IBA team to QMEA conference. In-kind donations to Tallymen (Windfall Lake) and communities (Kan). Local and regional sponsorships.	Sponsored Tallymen to attend QMEA conference. In-kind donations to Tallymen (James Bay and Windfall Lake). Developed donation and sponsorship guidelines based on Osisko Mining values. Local and regional sponsorships.	Invited Tallymen to QMEA conference. Local and regional sponsorships.
		Support programs promoting health, well-being and education in Aboriginal communities.			
		Participate in strategic committees.	Implementation committee with Waswanipi First Nation. Collaboration committee with Lebel-sur-Quévillon.	Established a collaboration committee with Lebel-sur-Quévillon.	
		Continue IBA discussions with the Cree First Nation of Waswanipi and Cree Nation Government.	IBA discussions with the Cree First Nation of Waswanipi and Cree Nation Government.		Agreements in place with Aboriginal communities in Ontario and one in Québec.
Maintain positive labour relations and high workforce satisfaction.	Engage with our employees to understand their values.	Become an attractive employer. Motivate and keep our employees.	Completed salary analysis and adjusted salary scale. Participation in benchmarking of industry working conditions. Added exit interviews.	Established salary scale according to employment categories.	Above-average compensation compared to our industry. Benefits to protect employees and their families. Long- and short-term incentive programs.
		Encourage and promote our local and Aboriginal workforce.	Aboriginal employment on payroll and through local contractors: • 3 Inuit workers on Kan Project • More than 55 workers from First Nations communities on Windfall Lake, Urban Barry and Quévillon Projects • 1 Wahgoshig worker at Garrison Project Developed employment preferences and recruitment process.	Aboriginal employment through local contractors: • Six Inuit workers on Kan Project • More than 92 workers from Cree First Nations communities on Windfall Lake and Urban Barry Projects • Six workers from Wahgoshig at Garrison Project	Student Aboriginal internships (two at Windfall Lake, one at Garrison and one at Marban). 16 workers from Waswanipi and five from Wahgoshig.
	Promote diversity and equity within our workforce.	Strive to hire women and members of Aboriginal communities.	Women: 32% Aboriginal communities: 19%		

SOCIETY

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Maintain positive labour relations and high workforce satisfaction.	Promote diversity and equity within our workforce.	Implement management practices based on Canadian law and Osisko Mining culture.	Implementation of alcohol and drug policies. Distribution of a procedure to address harassment or violence complaints.		
	Promote innovation and knowledge within our workforce.	Undertake annual performance reviews. Development plans for each employee.	Completed annual performance reviews.	Completed annual performance reviews.	
	Grow and maintain our workforce.	Track pay rates by employment category and gender. Measure workforce turnover.	Measured workforce turnover: • 17.5% general • 9% for permanent positions • 28% for temporary positions		
		Track workforce training by hours/year and gender.	Track workforce training: - 4,935 hours of training - Expenses equivalent to 2.2% of payroll		
		Continue to recruit and provide research opportunities for students.	Student internships (18) and summer jobs (3)	Student internships (5) and summer jobs (12).	Participated in university events.
		Participate in mining mentorship programs.		Participated in Women Who Rock mining mentorship program.	Member of Prospectors & Developers Association of Canada (PDAC), Québec Mining Exploration Association (QMEA).
		Prepare a transition plan to retain our workforce for the next phases of Windfall Lake Project.			

ENVIRONMENT



HARRY GRANT, WATER TREATMENT SYSTEM OPERATOR,
KEEPS A SHARP EYE ON WATER QUALITY.

Osisko Mining aims to minimize the effects of its exploration activities on the environment, particularly through spill, water and waste management. When we complete activities, we follow closure plans that include land rehabilitation and reclamation. Our priority is to be transparent and respect laws and regulations where we have activities.

Osisko Mining also engages in environmental assessment processes for the development of the Windfall Lake Project. Baseline data collection and impact assessment are part of the activities that bring our projects to production.

SPILL MANAGEMENT



VACUUM UNIT USED TO RECOVER CONTAMINATED WATER AND SOLIDS.



THE ENVIRONMENTAL DOME CONFINES HAZARDOUS WASTE.

Spills of hydrocarbons, hazardous material, contaminated water or waste water could damage the environment and Osisko Mining's reputation and finances. Our employees and contractors work to prevent spills and ensure that any spills are dealt with promptly and safely. Our main tools to manage spills are communication to new workers, a spill management plan, regular inspections and on-site rules.

All new workers (Osisko Mining or contractors) must attend a presentation on spill management. This summarizes and simplifies the spill management plan to ensure it is well understood.

Osisko Mining's spill management plan aims to:

- Provide readily accessible prevention and management information to workers
- Comply with federal and provincial regulations
- Comply with our Health & Safety and Sustainability Development policies
- Minimize the environmental effects of spills
- Ensure the safe and effective recovery of spilled materials

To proactively identify and prevent any potential spills, the Windfall Lake environmental team performs regular inspections (camp site, ramp sector, underground, exploration drills sites, maintenance facilities, etc.).

All employees and contractors are aware of reporting and cleaning procedures. Spill kits are available on each exploration project and employees are trained to use them. We also maintain a mobile environmental emergency unit with the material to clean spills, and a vacuum unit to recover contaminated water and solids. Contaminated soil goes into sealed containers before transportation off site and disposal at an authorized facility.

At the end of 2018, Osisko Mining officially banned the blocking of fuel dispensers and provided penalties for those who did so.

There were 101 spills in 2018. All were reported as required and affected areas cleaned up. The increase in number of spills reflects the vigilance of the environmental team in encouraging reporting even the smallest spills.

PROJECTS	SPILLS LESS THAN 20L		SPILL GREATER THAN 20L	
Period	2018	2017	2018	2017
Windfall Lake	81	73	13	5
Urban Barry	1	0	0	0
Quévillon	5	0	1	0
Garrison	0	1	0	0

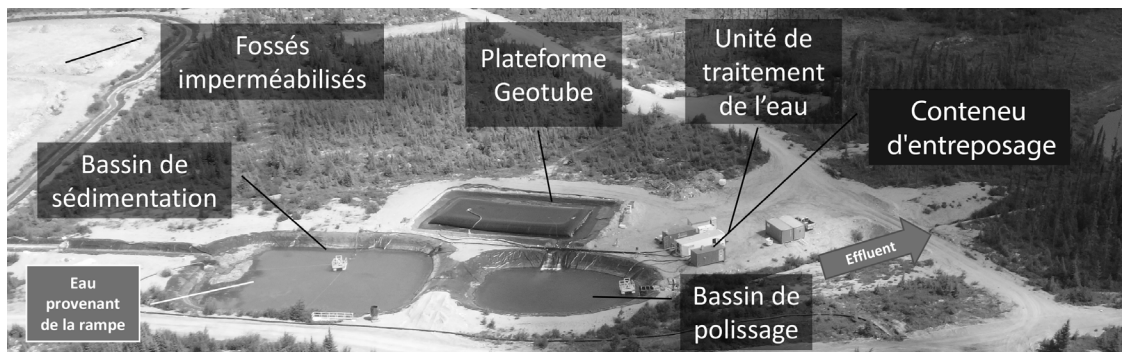
WATER MANAGEMENT

MINE WATER AND RUNOFF WATER

Groundwater pumped from the exploration ramp and runoff water from the waste rock stockpile is channeled with ditches for collection in the sedimentation pond. The water undergoes treatment including metal removal, suspended solid precipitation and pH adjustment. During the summer of 2018, we installed a preventive treatment system (Baker unit) to reduce the concentration of ammonia nitrogen.

From the beginning of the ramp dewatering, water treatment was done by a contractor. In the fall of 2018, Osisko Mining took over treating the water by buying the water treatment system (except the Baker unit) and hiring four operators.

In 2018, we pumped a total of 142,339 m³ of water from the exploration ramp and treated 163,350 m³ of water at the Windfall Lake Project. The 21,011 m³ difference in volume represents runoff water, only calculated starting in September. All effluent results complied with regulations.



MINE WATER AND RUNOFF WATER
TREATMENT INFRASTRUCTURE

Groundwater (infiltration) from the ramp is recycled to operate our underground equipment. To improve the quality of the water and protect equipment, we installed a water cleaning system that removes suspended solids.

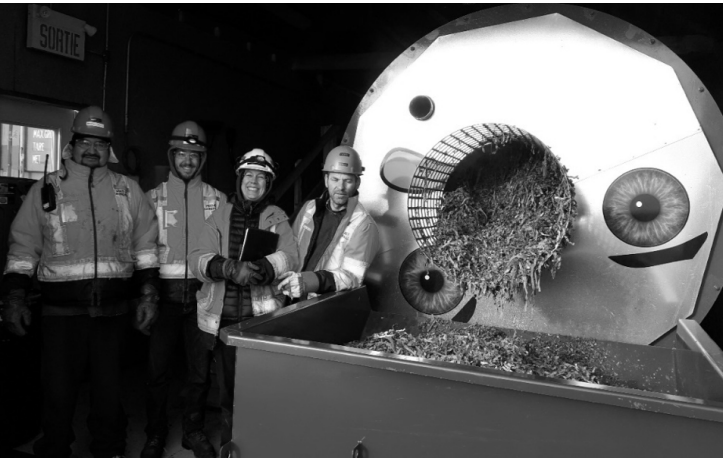
DRINKING WATER AND DOMESTIC WATER

The Windfall Lake camp facilities are permitted to accommodate 300 workers. Three groundwater wells provide drinking water, and three septic installations handle the camp needs. In 2018, our weekly water quality monitoring results met all regulations.



SUMMER STUDENT GABRIELLE MURPHY SAMPLES WATER.

WASTE MANAGEMENT



OUR COMPOSTER DIGESTS 550 KG OF FOOD WASTE AND
225 KG OF RECYCLED CARDBOARD PER WEEK.

DOMESTIC WASTE

In September 2018, we installed a composter at site to reduce the volume and transportation cost of domestic waste sent to landfill. During the last four months of 2018, food waste from the cafeteria and recycled cardboard were composted, gradually reaching 550 kg of food waste and 225 kg of recycled cardboard per week.

The waste management sector of the Windfall Lake site is equipped with containers to separate residual material such as food waste, domestic waste, cardboard, metal and wood. Authorized companies transport this waste from Windfall Lake to designated locations. Metal is recovered for recycling by a company from Amos, Québec.

In 2018, Osisko Mining began distributing free reusable water bottles to reduce the use of plastic water bottles. This initiative was complemented by an awareness program explaining the potable water quality provided by our groundwater wells at the Windfall Lake camp.

HAZARDOUS WASTE

Hazardous waste is contained in the environmental dome until regular pickup by authorized companies. Soil from spill cleaning is stored in a waterproof container, and contaminated zeolite from the Baker water treatment unit is recovered by an authorized company.

Our contractors are supervised so they manage residual hazardous materials according to regulations. Procedures are in place to store, label, segregate and properly dispose of residual hazardous materials, and our environmental team regularly inspects the storage sites.

WASTE ROCK MATERIAL

The Windfall Lake site has two waste rock stockpiles. The active stockpile is lined and ditches direct the water to the water treatment system. A second waste rock stockpile contains material deposited by a former operator and is unlined. The rock in the latter was crushed for reuse in construction and as a wearing course in the underground galleries.

When we purchased the project, the tonnage on the unlined stockpile was 79,000 tonnes. Since then:

- 1,000 tonnes were used underground as a running surface in 2017;
- 5,000 tonnes were used underground as a running surface in 2018; and
- 20,519 tonnes were used for construction of the lined stockpile extension in 2018.

LAND RECLAMATION

WINDFALL LAKE



EXAMPLE OF RESTORATION – LAKE BREAKTHROUGH NO 4

The environmental team prepared a restoration plan for drilling trails and pads. Drill pads are reclaimed in two stages:

1. We remove all equipment, garbage and fuel from the drill site. We cut and flag the drill casing, backfill the sumps and level the drill pad area.
2. Once we confirm that the drill pad won't be needed for future drilling, we assess the condition of vegetation. If necessary, seeding is done to help regrowth.

In 2018, we rehabilitated 16 lake breakthroughs on the Windfall Lake Project. We graded the surface to re-establish water flow and put the organic layer – and sometimes vegetation, including trees – back in place.

PROJECT	AREA DISTURBED – DRILL PADS (M ²)		AREA REMEDIATED (1 st STAGE) – DRILL PADS (M ²)	
	2018	2017	2018	2017
Windfall Lake	96,000	270,000	4,500	50,000
Garrison	3,600	85,248	3,600	68,198
Urban Barry	37,000		37,000	
Quévillon	41,100		41,100	

When choosing areas for future infrastructure, we aim to minimize our effect on the environment by using areas previously disturbed by historical exploration or forestry activities.

ENVIRONMENTAL ASSESSMENT

OSISKO MINING FILED THE WINDFALL
LAKE PROJECT DESCRIPTION REPORT
WITH THE FEDERAL GOVERNMENT
AND THE PRELIMINARY PROJECT
INFORMATION REPORT WITH THE
QUÉBEC GOVERNMENT IN 2017.

This began the environmental assessment process. In 2018, we added the Osborne-Bell resource estimate to the Windfall Lake Project, decided the location of the mill in Lebel-sur-Quévillon and fixed the daily tonnage at 3,200 tpd. Osisko Mining will update the project description in 2019 to include this information.

ENVIRONMENTAL BASELINE DATA COLLECTION

In 2018, Osisko Mining continued to collect baseline data for each of its components to support the environmental assessment. We have completed the following data collection:

- Windfall Lake mine site: light, noise, surface water, sediments, wildlife, fish and fish habitat, vegetation, hydrology, hydrogeology (ongoing), traffic, atmospheric and archaeology.
- Osborne-Bell mine site: aquatics, surface water, sediments, benthics, vegetation, small mammals and noise.
- Mill location in Lebel-sur-Quévillon: surface water, sediment, benthics, fish and fish habitat, snakes, salamanders, frogs, bats, vegetation, birds, small mammals, hydrology and hydraulics.

We presented the results to the Canadian Environmental Assessment Agency and the Ministry of Sustainable Development, Environment & Fight Against Climate Change in fall 2018.



I am very proud of our team and it's always a pleasure to show visitors what we do to protect the environment.

ANDRÉE DROLET
Environmental Director



ON THE WINDFALL LAKE PROJECT, THE TALLYMAN TAKES PART
IN THE SURVEY OF MOOSE AND CARIBOU.



WASWANAPI COMMUNITY MEMBERS
WORK ON THE ARCHAEOLOGICAL
SURVEY.

ENVIRONMENT

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Ensure efficient use of resources.	Understand our water and energy use and identify conservation and management technology.	<p>Measure site-wide water use and report quantities to the Board of Directors and regulator.</p> <p>Identify opportunities to reduce and re-use water.</p> <p>Measure site-wide petroleum product use and report quantities to the Board of Directors.</p> <p>Identify ways to reduce petroleum product use.</p>	<p>Installed additional flowmeters on site.</p> <p>Started estimating groundwater infiltration rate.</p> <p>Measured and reported water use (ramp dewatering and drinking) to regulator (Windfall Lake).</p> <p>Commissioned underground water cleaning system to recycle water for mining equipment.</p>	<p>Measured and reported water use (ramp dewatering and drinking) to regulator (Windfall Lake).</p> <p>Measured and reported water use (ramp dewatering) to regulator (Garrison).</p>	
Minimize impact of our activities on the environment.	Understand the effects of current and planned activities and identify mitigation measures.	<p>FUTURE MINE PROJECT (WINDFALL LAKE):</p> <p>Complete the Environmental Impact Assessment (EIA).</p> <p>Share findings of the EIA with the Board of Directors and stakeholders.</p> <p>EXPLORATION ACTIVITES:</p> <p>Measure and estimate land disturbances.</p> <p>Respect riparian areas.</p> <p>Identify ways to minimize land disturbances and reclaim impacted areas.</p> <p>Understand spill causes and minimize spills.</p> <p>Minimize spill effects.</p> <p>Calculate GHG emissions.</p>	<p>FUTURE MINE PROJECT (WINDFALL LAKE):</p> <p>Collected environmental baseline data (Windfall Lake site, Osborne-Bell and Quévillon).</p> <p>Met with provincial and federal leads for the environmental assessment.</p> <p>Started kinetic geochemical characterization of ore, tailings and waste rock and static geochemical characterization of ore and waste rock (Osborne-Bell).</p> <p>EXPLORATION ACTIVITES:</p> <p>Received approval of the closure plan update by MERN and sent financial assurance (Windfall Lake-June).</p> <p>Updated closure plan to include waste rock stockpile expansion (Windfall Lake-December).</p> <p>Proceeded to reclaim 16 lake breakthroughs (Windfall Lake).</p> <p>Reported and cleaned all spills.</p> <p>Developed a policy prohibiting blocking fuel dispensers.</p> <p>Updated environmental clauses in major contracts.</p> <p>Supported Association Forestière des deux rives and Caribou Ungava research project.</p>	<p>FUTURE MINE PROJECT (WINDFALL LAKE):</p> <p>Collected environmental baseline data (Windfall Lake site).</p> <p>Met with provincial and federal leads for the environmental assessment.</p> <p>Filed project description and preliminary project information and received guidelines for EIA.</p> <p>Started static geochemical characterization of ore, tailings and waste rock.</p> <p>EXPLORATION ACTIVITES:</p> <p>Hired environmental site supervisors (Windfall Lake).</p> <p>Prepared the 5-year closure plan update (Windfall Lake).</p> <p>Reported and cleaned all spills.</p> <p>Prepared rehabilitation and monitoring plan (Gold Pike).</p> <p>Supported Association Forestière des deux rives and Caribou Ungava research project.</p>	<p>FUTURE MINE PROJECT (WINDFALL LAKE):</p> <p>Started collecting environmental baseline data (Windfall Lake site).</p> <p>EXPLORATION ACTIVITES:</p> <p>Environmental management plans in place by drilling contractors.</p> <p>Planned exploration activities incorporating setbacks near water.</p> <p>Introduced spill management plan.</p> <p>Reported and cleaned all spills.</p> <p>Assessed erosion and sediment control (Windfall Lake, Garrison and Marban).</p> <p>Collected environmental baseline data (Marban).</p> <p>Supported Association Forestière des deux rives and Caribou Ungava research project.</p>

ENVIRONMENT

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Minimize waste production.	Understand solid waste generation and ensure proper management.	<p>Identify and quantify all waste material and report to the Board.</p> <p>Identify and quantify hazardous waste and track disposal.</p> <p>Quantify and increase compost production.</p> <p>Quantify and maximize recycling of other non-hazardous waste (wood, metal, non compostable domestic waste, etc.).</p> <p>Minimize purchase of single-use products.</p> <p>Eliminate or reduce quantity of waste rock on the unlined stockpile.</p>	<p>Measured and started tracking solid waste shipped to landfill (Windfall Lake).</p> <p>Tracked hazardous waste disposal (Windfall Lake).</p> <p>Developed a recycling and composting program (Windfall Lake).</p> <p>Commissioned the composter and started tracking quantities (Windfall Lake).</p> <p>Reused material from the unlined waste rock stockpile as a rolling surface underground and as construction material on the expansion of the lined stockpile.</p> <p>Gave out reusable water bottles and coffee mugs to reduce plastics and paper.</p>	<p>Measured solid waste shipped to landfill (Windfall Lake).</p> <p>Tracked hazardous waste disposal (Windfall Lake).</p> <p>Began developing a recycling program (Windfall Lake).</p>	
Meet regulatory compliance.	Understand requirements for all sites and ensure compliance.	<p>Put in place human and material resources to maintain compliance.</p> <p>Communicate directly and openly with the regulator to efficiently manage compliance.</p>	<p>Monitored water quality (Windfall Lake and Garrison).</p> <p>Acquired water treatment system, hired operators and took over control of water treatment (effluent).</p> <p>Commissioned ammonia nitrogen preventive treatment system (rental) to treat effluent.</p> <p>Reported effluent results to MELCC.</p> <p>Prepared annual reports for the regulators (Windfall Lake and Garrison).</p> <p>Received authorization to increase the size of the lined stockpile and take an additional bulk sample.</p>	<p>Monitored water quality (Windfall Lake and Garrison).</p> <p>Restored water treatment infrastructure and hired a contractor to treat water (effluent) during ramp dewatering (Windfall Lake).</p> <p>Reported effluent results to MELCC.</p> <p>Prepared annual reports for the regulators (Windfall Lake and Garrison).</p> <p>Received authorization to increase drinking water intake and waste water at Windfall Lake camp.</p> <p>Received authorization to dewater the ramp, treat water and resume bulk sampling.</p>	<p>Monitored water quality (Windfall Lake and Garrison).</p> <p>Received authorization for drinking water intake and waste water at Windfall Lake camp.</p> <p>Prepared annual reports for the regulators (Windfall Lake and Garrison).</p>

ECONOMY

CREATING WEALTH



MANDY JOHNSTON
DIRECTOR OF FINANCE

Osisko Mining is a publicly traded company, with shares on the Toronto Stock Exchange (OSK.TO). Osisko Mining is well financed, with approximately \$136 million in cash and investments as of December 31, 2018. Major shareholders include:

- Osisko Gold Royalties Ltd
- Kirkland Lake Gold
- Management and directors
- Van Eck Associates
- J.P. Morgan Asset Management UK
- Tocqueville Asset Management
- La Caisse de dépôt et placement du Québec

In 2018, Osisko Mining spent approximately \$113 million on exploration and related activities, mostly on the Windfall Lake, Quévillon Osborne-Bell and Urban Barry Projects, and \$13.8 million on general and administration expenses, including salaries, benefits and severances.

CONTRIBUTING TO OUR COMMUNITIES



OSISKO MINING SPONSORS THE CREE FIRST NATION OF WASWANIPi HOCKEY PROGRAM AS PART OF OUR COMMUNITY SUPPORT

Osisko Mining is committed to sharing wealth with our communities by:

- Establishing a relationship with stakeholders with an interest in our activities
- Contributing to the development of our host communities through community-focused sustainability projects
- Building long-term relationships with Aboriginal communities with an interest in our projects.

Osisko Mining sponsorship and donation guidelines focus on support for:

- Innovation, technology and science
- Training future generations of workers and leaders
- Environmental protection and development of best practices
- The economic vitality and quality of life of the regions where we operate, our host communities and their community and cultural activities
- Promoting healthy habits in our host communities
- Improving public awareness of the mining industry.



OSISKO MINING SPONSORS THE AVRO ARROW RECOVERY PROJECT

ECONOMY

OBJECTIVES	GOALS	ACTION PLAN 2019-2021	PROGRESS 2018	PROGRESS 2017	PROGRESS 2016
Create jobs and promote economic development.	A growing workforce with full-time employment and benefits.	Track workforce by employment category, gender and full- or part-time status. Partner with local organization to enhance their training capacity and local expertise. Track payments to governments.	\$10M in employee taxes and \$1.5M in payments to government. Reported workforce by employment category, gender and full- or part-time status.	\$6M in employee taxes and \$1.3M in payments to government. Set up and reported workforce by employment category, gender and full- or part-time status.	\$1.59M in employee taxes and \$390,000 in payments to government.
Favour local purchases and contracts.	Thriving local communities that benefit from our activities and support our projects.	Provide targeted opportunities for local and Aboriginal businesses. Participate in mining expositions and conferences. Track contracts and purchases by region. Work with communities to develop a business registry. Create a procurement policy.	85% of purchases in Québec and Ontario. \$21M in contracts and purchases from Aboriginal businesses. Participated in mining expositions and conferences. Collaboration committee meetings with Lebel-sur-Quévillon.	81% of purchases in Québec and Ontario. \$23M in contracts and purchases from Aboriginal businesses. Participated in mining expositions and conferences. Established a collaboration committee with Lebel-sur-Quévillon.	89% of purchases in Québec and Ontario. \$326,662 in contracts and purchases from Aboriginal businesses.
Share the wealth with our communities	Long-term benefits to local communities through regional prosperity and social development.	Maintain the sponsorship and donation program. Monitor projects over time to measure social benefits.	Use guidelines for sponsorships and donations. <ul style="list-style-type: none">• Science and education• Environment• Health and sport• Community and cultural activities• Socio-economic partners• Industry associations Donations to local organizations. Corporate sponsorship and donations.	Identified key areas for sponsorships and donations. Developed guidelines for sponsorships and donations. Donations to local organizations. Corporate sponsorship and donations.	Sponsored PDCA's student industry mineral exploration program. Donation to Malartic's Festival Western. Participant in the Goodman Gold Challenge.

APPENDIX A – DISCLOSURE CONCERNING TECHNICAL INFORMATION

Updated Lynx Zone Resource Estimate Notes:

1. The independent “qualified person”, as defined by NI 43 101, are Judith St-Laurent, P. Geo, of InnovExplo Inc. and Charley Murahwi, P.Geo, M. Sc, FAusIMM of Micon International Limited. The effective date of the Windfall Resource Estimate is May 14, 2018. The effective date of the updated Lynx Zone Estimate is November 27, 2018.
2. The Windfall Resource Estimate and the Lynx Zone Resource Estimate are compliant with CIM standards and guidelines for reporting mineral resources and reserves.
3. Resources are presented undiluted and in situ and are considered to have reasonable prospects for eventual economic extraction.
4. The mineral resource estimates encompass a total of 126 tabular, subvertical gold-bearing domains each defined by individual wireframes with a minimum true thickness of 2.0 m.
5. Samples were composited within the mineralization domains into 2.0 m length composites. A value of zero grade was applied in cases of core not assayed.
6. High grade capping was done on composite data, and established using a statistical analysis on a per-zone basis for gold. Capping varied from 15 g/t Au to 75 g/t Au and was applied using a four-step capping strategy where capping values decreased as interpolation distances increased.
7. Density values were applied on the following lithological basis (t/m³): mafic volcanic host rocks varied from 2.78 to 2.86; felsic volcanic host rocks varied from 2.76 to 2.77; porphyries varied from 2.70 to 2.83.
8. Ordinary Kriging (OK) based interpolation was used for the estimation of all zones of the Windfall Lake gold deposit except for the Underdog zone where an Inverse Distance Squared (ID2) interpolation was preferred due to the larger drill spacing and smaller density of drill holes informing the mineralization wireframes. All estimates are based on a block dimension of 5 m NE, 2 m NW and 5 m height and estimation parameters determined by variography.
9. Estimates use metric units (metres, tonnes and g/t). Metal contents are presented in troy ounces (metric tonne x grade / 31.10348).
10. Neither InnovExplo Inc. nor Micon International Limited are aware of any known environmental, permitting, legal, title-related, taxation, socio-political or marketing issues, or any other relevant issue not reported in the technical report that could materially affect the mineral resource estimate.
11. These mineral resources are not mineral reserves as they do not have demonstrated economic viability. The quantity and grade of reported Inferred resources in this mineral resource estimate are uncertain in nature and there has been insufficient exploration to define these Inferred resources as Indicated or Measured, and it is uncertain if further exploration will result in upgrading them to these categories.
12. The number of metric tonnes and ounces was rounded to the nearest thousand. Any discrepancies in the totals are due to rounding effects; rounding followed the recommendations in Form 43 101F1.
13. Information relating to the updated mineral resource estimate for Lynx is supported by the press release titled “Osisko releases Mineral Resource

Update for Lynx” dated of November 27, 2018 with an effective date of November 27, 2018 which is available on SEDAR (www.sedar.com) under Osisko's issuer profile.

Windfall Lake Resource Estimate Notes:

1. The independent “qualified person” of the 2018 MRE, as defined by NI 43 101, is Judith St-Laurent, P. Geo, of InnovExplo Inc. The effective date of the estimate is May 14, 2018.
2. The Windfall Lake mineral resource estimate is compliant with CIM standards and guidelines for reporting mineral resources and reserves.
3. Resources are presented undiluted and in situ and are considered to have reasonable prospects for eventual economic extraction.
4. The mineral resource estimate encompasses a total of 124 tabular, subvertical gold-bearing domains each defined by individual wireframes with a minimum true thickness of 2.0 m.
5. Samples were composited within the mineralization domains into 2.0 m length composites. A value of zero grade was applied in cases of core not assayed.
6. High grade capping was done on composite data, and established using a statistical analysis on a per-zone basis for gold. Capping varied from 15 g/t Au to 75 g/t Au and was applied using a four-step capping strategy where capping values decreased as interpolation distances increased.
7. Density values were applied on the following lithological basis (t/m³): mafic volcanic host rocks varied from 2.78 to 2.86; felsic volcanic host rocks varied from 2.76 to 2.77; porphyries varied from 2.70 to 2.83.
8. Ordinary Kriging (OK) based interpolation was used for the estimation of all zones of the Windfall Lake gold deposit except for the Underdog Zone where an Inverse Distance Squared (ID2) interpolation was preferred due to the larger drill spacing and smaller density of drill holes informing the mineralization wireframes. All estimates are based on a block dimension of 5 m NE, 2 m NW and 5 m height and estimation parameters determined by variography.
9. Estimates use metric units (metres, tonnes and g/t). Metal contents are presented in troy ounces (metric tonne x grade / 31.10348).
10. InnovExplo is not aware of any known environmental, permitting, legal, title-related, taxation, socio-political or marketing issues, or any other relevant issue not reported in the technical report, that could materially affect the mineral resource estimate.
11. These mineral resources are not mineral reserves as they do not have demonstrated economic viability. The quantity and grade of reported Inferred resources in this mineral resource estimate are uncertain in nature and there has been insufficient exploration to define these Inferred resources as Indicated or Measured, and it is uncertain if further exploration will result in upgrading them to these categories.
12. The number of metric tonnes and ounces was rounded to the nearest thousand. Any discrepancies in the totals are due to rounding effects; rounding followed the recommendations in Form 43 101F1.

13. Information relating to the Windfall Project mineral resource estimate is supported by the technical report titled “Technical Report and Mineral Resource Estimate – Windfall Lake Project, Windfall Lake and Urban-Barry Properties” dated of June 12, 2018 with an effective date of May 14, 2018 which is available on SEDAR (www.sedar.com) under Osisko's issuer profile.

Osborne-Bell Resource Estimate Notes:

1. Resources are presented undiluted and in situ and are considered to have reasonable prospects for economic extraction.
2. The estimate encompasses nine tabular gold-bearing zones each defined by individual wireframes with a minimum true thickness of 2 metres.
3. High grade capping was done on composite data and established on a per zone basis for gold. It varies from 25 g/t Au to 55 g/t Au.
4. Density values were applied on the following lithological basis (g/cm³): volcanic host rocks = 2.80; late barren dykes and Beehler stock = 2.78; Zebra felsic unit = 2.72.
5. Grade model resource estimation was evaluated from drill hole data using an Ordinary Kriging interpolation method on a block model using a block size of 2.5 metres x 2.5 metres x 2.5 metres.
6. The mineral resources presented herein are categorized as inferred. The inferred category is only defined within the areas where drill spacing is less than 100 metres and shows reasonable geological and grade continuity.
7. The resource was estimated using Geovia GEMS 6.8. The estimate is based on 931 surface diamond drill holes. A minimum true thickness of 2.0 metres was applied, using the grade of the adjacent material when assayed, or a value of zero when not assayed.
8. Estimates use metric units (metres, tonnes and g/t). Metal contents are presented in troy ounces (metric tonne x grade / 31.10348).
9. The number of metric tonnes was rounded to the nearest thousand. Any discrepancies in the totals are due to rounding errors.
10. InnovExplo is not aware of any known environmental, permitting, legal, title-related, taxation, socio-political or marketing issues, or any other relevant issue not reported in the Technical Report that could materially affect the Mineral Resource Estimate.
11. These mineral resources are not mineral reserves as they do not have demonstrated economic viability. The quantity and grade of reported Inferred resources in this Mineral Resource Estimate are uncertain in nature and there has been insufficient exploration to define these Inferred resources as Indicated or Measured, and it is uncertain if further exploration will result in upgrading them to these categories.
12. The number of ounces was rounded to the nearest thousand. Any discrepancies in the totals are due to rounding errors.
13. Information relating to the Quévillon Osborne-Bell Project is supported by the technical report titled “Technical Report and Mineral Resource Estimate – Osborne-Bell Gold Deposit, Quévillon Property” dated of April 23, 2018 with an effective date of March 2, 2018 which is available on SEDAR (www.sedar.com) under Osisko's issuer profile.



CONTACT US

Osisko Mining Inc.

Head Office

155 University Ave., Suite 1440
Toronto, ON M5H 3B7

Phone: (416) 848-9504

Fax: (416) 363-9813

E-mail: info@osiskomining.com

TSX : OSK

Social Media

Website: www.osiskomining.com

Facebook: [@MiningOsisko](https://www.facebook.com/MiningOsisko)

Twitter: [@Osisko_Mining](https://twitter.com/Osisko_Mining)

Instagram: [@Osisko_Mining](https://www.instagram.com/Osisko_Mining)

