

CLEVELAND-CLIFFS INC.  
Form 11-K  
June 20, 2018  
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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington D.C. 20549

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FORM 11-K

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FOR ANNUAL REPORTS OF EMPLOYEE STOCK  
REPURCHASE SAVINGS AND SIMILAR PLANS  
PURSUANT TO SECTION 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

x ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the fiscal year ended: December 31, 2017

OR  
o TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from            to  
Commission file number: 1-8944

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(Full Title of the plan and the address of the plan,  
if different from that of issuer named below)

NORTHSHORE MINING COMPANY  
and  
SILVER BAY POWER COMPANY  
RETIREMENT SAVINGS PLAN

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10 OUTER DRIVE  
SILVER BAY, MINNESOTA 55614  
(Name of Issuer of the securities held pursuant to  
the Plan and the address of its principal executive office)  
CLEVELAND-CLIFFS INC., 200 Public Square, Suite 3300,  
Cleveland, Ohio 44114

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NORTHSHORE MINING COMPANY

AND

SILVER BAY POWER COMPANY

RETIREMENT SAVINGS PLAN ("Plan")

Audited financial statements and supplemental schedule for the Plan prepared in accordance with the financial reporting requirements of the Employee Retirement Income Security Act of 1974, as amended, are filed herewith in lieu of an audited statement of financial condition and statement of income and changes in plan equity.

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Plan Administrator and Plan Participants of  
Northshore Mining Company and Silver Bay Power Company Retirement Savings Plan  
Cleveland, Ohio

Opinion on the Financial Statements

We have audited the accompanying Statement of Net Assets Available for Benefits of the Northshore Mining Company and Silver Bay Power Company Retirement Savings Plan (the "Plan") as of December 31, 2017 and 2016, and the related Statements of Changes in Net Assets Available for Benefits for the years then ended, and the related notes and schedule (collectively referred to as the "financial statements"). In our opinion, the financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2017 and 2016, and the changes in net assets available for benefits for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinion

These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on the Plan's financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Plan in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

Supplemental Information

The supplemental Schedule of Assets Held for Investment Purposes at End of Year as of December 31, 2017 has been subjected to audit procedures performed in conjunction with the audit of the Plan's financial statements. The supplemental information is the responsibility of the Plan's management. Our audit procedures included determining whether the supplemental information reconciles to the financial statements or the underlying accounting and other records, as applicable, and performing procedures to test the completeness and accuracy of the information presented in the supplemental information. In forming our opinion on the supplemental information, we evaluated whether the supplemental information, including its form and content, is presented in conformity with Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. In our opinion, the supplemental information is fairly stated, in all material respects, in relation to the financial statements as a whole.

/s/ Meaden & Moore, Ltd.  
Meaden & Moore, Ltd.

We have served as the Plan's auditor since 2004.

Cleveland, Ohio  
June 20, 2018



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STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS

Northshore Mining Company and Silver Bay Power Company  
Retirement Savings Plan

	(In Thousands)	
	December 31	
	2017	2016
<b>ASSETS</b>		
Notes Receivable from Participants	\$2,017	\$1,644
Investments in Collective Trust	112,143	99,201
Total Assets	114,160	100,845
<b>LIABILITIES</b>		
Net Assets Available for Benefits	\$114,160	\$100,845

See accompanying notes.

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## STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

Northshore Mining Company and Silver Bay Power Company  
Retirement Savings Plan

	(In Thousands)	
	Year Ended	
	December 31	
	2017	2016
Contributions:		
Employer	\$1,416	\$1,067
Employee	3,968	3,128
Rollover	14	2
Total Contributions	5,398	4,197
Interest and Dividend Income	4,296	3,013
Net Realized and Unrealized Gain on Investments	8,797	16,850
Benefits Paid to Participants	(5,147 )	(9,030 )
Administrative Expenses	(29 )	(27 )
Net Increase in Net Assets Available for Benefits	13,315	15,003
Net Assets Available for Benefits:		
Beginning of Year	100,845	85,842
End of Year	\$114,160	\$100,845

See accompanying notes.

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Northshore Mining Company and Silver Bay Power Company Retirement Savings Plan

Notes to Financial Statements

1. Description of Plan

The following description of The Northshore Mining Company and Silver Bay Power Company Retirement Savings Plan (the “Plan”) provides only general information. Participants should refer to the Plan document for a complete description of the Plan’s provisions.

General:

The Plan, which began October 1, 1994, is a defined contribution plan covering all employees of Northshore Mining Company and Silver Bay Power Company (together the “Company”) who meet the eligibility requirements. It is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

Plan Amendments:

In order to incorporate all amendments implemented after January 1, 2007, the Plan was amended and restated effective January 1, 2012 and was subsequently amended effective as of January 1, 2014 and January 1, 2015 to update certain plan provisions.

The Plan was amended effective January 1, 2016 for the following, among other things:

participants would no longer be able to (i) direct that future contributions made under the Plan on or after that date be invested in the Cliffs Stock Fund (as defined below) or (ii) transfer any amounts from other investments held in their account under the Plan into the Cliffs Stock Fund and (iii) invest in the Cliffs Stock Fund for purposes of Plan participants' and beneficiaries self-directed brokerage accounts established under the Plan.

Gallagher Fiduciary Advisors, LLC be appointed as an independent fiduciary and shall be a “named fiduciary” within the meaning of Section 402(a)(2) of ERISA with respect to the management and disposition of the Cliffs Stock Fund with the power and authority set forth in the Plan as amended.

facilitate the change in Trustee and service provider for the Plan from T. Rowe Price to Fidelity Investments.

Additionally, the assets of the Plan are maintained by the Trustee in the Cliffs and Associated Employers Defined Contribution Plan Collective Trust (“Collective Trust”) pursuant to the Trust Agreement Between Cleveland-Cliffs Inc. and Associated Employers and Fidelity Management Trust Company. Additional disclosures related to the Collective Trust are presented in Note 5.

designate the Employee Benefits Administration Department of Cleveland-Cliffs Inc. as the plan administrator under the Plan.

These amendments have no impact on the Statement of Net Assets Available for Benefits or the Statement of Changes in Net Assets Available for Benefits.

Eligibility:

All full-time employees of the Company are eligible to participate in the Plan.

Contributions:

Employee Contributions - Participants may elect a portion of their compensation, between 1 percent to 35 percent, to be contributed to the Plan.

Employer Contributions - For all participants, the Company made a Safe Harbor election and shall make matching contributions in cash of 100 percent for the participants’ deferrals not in excess of 3 percent of eligible earnings and 50 percent of all participants’ deferrals greater than 3 percent and up to 5 percent of eligible earnings.

Employer Discretionary Contributions - The Company may also contribute for any Plan year additional amounts (as limited) as shall be determined by the Board of Directors of the Company. There were no discretionary contributions for the years ended December 31, 2017 and 2016.

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Contributions are subject to limitations on annual additions and other limitations imposed by the Internal Revenue Code as defined in the Plan document.

Participants' Accounts:

401(k) Accounts - Each participant's account is credited with the participant's elective contributions, employer matching contributions, earnings and losses thereon. Plan participants are allocated participation in the fund(s) based on cash value. Under the cash value method, total monthly earnings or losses are divided by the total value of the fund(s) to obtain a ratio, which is then multiplied by each participant's account balance in the fund(s) at the beginning of the month.

Rollover contributions from other qualified plans are also accepted, provided certain specified conditions are met.

Vesting:

All participants are 100 percent vested in elective deferrals, rollover contributions and Company matching and discretionary contributions made to the Plan.

Notes Receivable From Participants:

Loans are permitted under certain circumstances and are subject to limitations. Participants may borrow from their fund accounts a minimum of \$1 thousand, up to a maximum equal to the lesser of \$50 thousand or 50 percent of their account balance. Loans are repaid over a period not to exceed 5 years with exceptions for the purchase of a primary residence, which are repaid over a period not to exceed 10 years.

The loans are secured by the balance in the participants' account and bear interest at rates commercially reasonable that are published on the first day of the month preceding the month the loan was granted. Principal and interest are paid ratably through monthly payroll deductions. Loans are valued at unpaid principal plus accrued but unpaid interest. No allowance for credit losses has been recorded as of December 31, 2017 and 2016. Delinquent participant loans are recorded as distributions on the basis of the terms of the Plan agreement.

Payment of Benefits:

Upon termination of service by reason of retirement, disability, or other reasons, a participant has the option to keep their funds in the Plan without option of contribution until age 70 1/2 or receive a lump sum equal to the value of his or her account. Upon death, a participant's beneficiary receives a lump sum amount equal to the value of his or her account. Benefit payments to participants are recorded upon distribution.

Hardship Withdrawals:

Hardship withdrawals are permitted in accordance with the Plan and Internal Revenue Service guidelines.

Investment Options:

Upon enrollment in the Plan, a participant may direct his or her contributions to any or all of the investment options offered by the Plan. Participant elections may be adjusted or reallocated at any time by the participants. In the absence of a participant's effective direction as to the investment of all or a portion of the amounts in the participant's account, the amounts for which there is no such direction shall be invested in the investment or investments designated by the Investment Committee for such purpose (each of which shall be a "qualified default investment alternative" within the meaning of Department of Labor regulations).

Cliffs Stock Fund:

The Cliffs Stock Fund is the fund within the Plan that is invested solely in the common stock of Cleveland-Cliffs Inc. ("Cliffs"). Effective January 1, 2016, the Cliffs Stock Fund is no longer an available investment option under the Plan for purposes of future contributions, loan repayments or transfers. The Cliffs Stock Fund is also not a permissible investment option for purposes of Plan participants' self-directed brokerage accounts established under the Plan.



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2. Summary of Significant Accounting Policies

Basis of Accounting:

The Plan's transactions are reported on the accrual basis of accounting. All investment securities are stated at fair value as measured by quoted prices in active markets. Shares of mutual funds are valued at the net asset value of shares held by the Plan at year end. The stable value investment contract financial instrument is valued, and its net asset value ("NAV") per unit is computed at the close of the New York Stock Exchange ("NYSE"), normally 4 p.m. ET, each day the NYSE is open for business (valuation date). There are no unfunded commitments and the redemption frequency is daily.

Purchases and sales of securities are recorded on a trade-date basis. Dividends are recorded on the ex-dividend date.

Valuation of Investments

Investments held by a defined contribution plan are required to be reported at fair value.

Fidelity Management Trust Company ("the Trustee") determines the fair value of the assets of each plan in the Collective Trust (see Note 4) and the fair value of the individual participants' accounts every business day. The calculation of fair value is based upon each fund and respective plan in the Collective Trust as determined by the Trustee. Investments in wrapper contracts are fair valued using a discounted cash flow model which considers recent fee bids as determined by recognized dealers, discount rate and the duration of the underlying portfolio securities.

There are no unfunded commitments and the redemption frequency is daily.

Recent Accounting Pronouncements:

In February 2017, the FASB issued Accounting Standards Update No. 2017-06, Plan Accounting (Topics 960, 962, and 965): Employee Benefit Plan Master Trust Reporting (ASU 2017-06). ASU 2017-06 requires the Plan's interest in the master trust and any change in that interest to be presented as separate line items in the statement of net assets available for benefits and in the statement of changes in net assets available for benefits, respectively. The amendment also requires all plans to disclose their master trust's other asset and liability balances and the dollar amount of the plan's interest in each of those balances. In addition, the amendment eliminates the requirement to disclose the percentage interest in the master trust for plans with dividend interest and requires that all plans disclose the dollar amount of their interest in each general type of investment. ASU 2017-06 is effective for fiscal years beginning after December 15, 2018 with early adoption permitted. The new standard will not have a material impact on the Statement of Net Assets Available for Benefits or the Statement of Changes in Net Assets Available for Benefits, but additional disclosures will be required.

Use of Estimates:

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

Administrative Fees:

Trustee and certain administrative fees are paid from Plan assets. Costs of administering the Plan are paid by the Company.

Plan Termination:

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue contributions at any time and to terminate the Plan subject to the provisions of ERISA.

Subsequent Events:

The Plan evaluates events occurring subsequent to the date of the financial statements in determining the accounting for and disclosure of transactions and events that affect the financial statements.

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## 3. Tax Status

On March 26, 2014, the Internal Revenue Service stated that the Plan was in compliance with the applicable requirements of the Internal Revenue Code.

Accounting principles generally accepted in the United States require plan management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken uncertain tax positions that more-likely-than-not would not be sustained upon examination by applicable taxing authorities. The Plan Administrator has analyzed tax positions taken by the Plan and has concluded that, as of December 31, 2017, there are no uncertain tax positions taken, or expected to be taken, that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by tax jurisdictions. However, currently no audits for any tax periods are in progress.

## 4. Collective Trust

The Collective Trust was amended effective January 1, 2016 to include the Plan as part of the Collective Trust which also includes the Cleveland-Cliffs Inc. and Its Associated Employers Salaried Employees Savings Plan, the Savings Plan for Minnesota Represented Hourly Employees, the Ore Mining Companies Salaried Employees' Retirement Income Plan, and the Savings Plan for Hourly Employees of Empire Iron Mining Partnership, Tilden Mining Company L.C. and The Cleveland-Cliffs Iron Company.

All Collective Trust investment information disclosed in the accompanying financial statements, including investments held at December 31, 2017 and 2016 and net realized and unrealized gains or losses in fair value of investments and interest and dividends for the years then ended, was obtained or derived from information supplied to the Plan Administrator, as defined by the Plan.

The Trustee invests assets of the Collective Trust in stocks, bonds, and other evidences of ownership or indebtedness in accordance with the terms of the Trust Agreement. The Collective Trust is a Master Trust under Department of Labor Rules and Regulations for Reporting and Disclosure under ERISA because Cliffs and its associated employers are related through management agreements. The Plan's undivided interest in the Collective Trust is equal to the current value of the Plan's investment as a percent of the current value of Collective Trust assets as of each month-end valuation date. The Plan's investment in the Collective Trust is the sum of the current value of contributions less the withdrawals and fees, plus or minus net realized and unrealized gains or losses of the Collective Trust, allocated to the Plan based on the current value of the Plan's investment as a percent of the current value of the Collective Trust assets as of the previous month-end valuation.

Investments are stated at aggregate current values determined as follows: securities traded on a national securities exchange on the last business day of the year are valued at the last reported sales price and securities not traded on the last business day of the year are valued at the average of the last reported bid and ask price. Securities traded in the over-the-counter market are valued at the average of the last reported bid and ask price. Securities which do not have an established market are valued by the Trustee.

The change in the difference between the aggregate current value and cost of investments is reflected in the changes in net assets as unrealized gain or loss on investments. The net realized gain (loss) on sale of assets is the difference between the proceeds received and the average cost of assets sold.

Financial information relating to the net assets of the Collective Trust at December 31, 2017 and 2016 is as follows:

	(In Thousands)	
	Year Ended	
	December 31,	
	2017	2016
Contribution Receivable	\$69	\$—
Notes Receivable from Participants	9,148	9,241
Investments	478,572	418,117
Total Assets	\$487,789	\$427,358

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	(In Thousands)	
	Year Ended	
	December 31,	
	2017	2016
Cleveland-Cliffs Inc. and Its Associated Employers Salaried Employees Savings Plan	\$189,740	\$167,541
Northshore Mining Company and Silver Bay Power Company Retirement Savings Plan	114,160	100,845
Savings Plan for Hourly Employees of Empire Iron Mining Partnership, Tilden Mining Company L.C. and The Cleveland-Cliffs Iron Company	101,746	87,617
Savings Plan for Minnesota Represented Hourly Employees	80,412	69,674
Ore Mining Companies Salaried Employees' Retirement Income Plan	1,731	1,681
	\$487,789	\$427,358

Net activity of the Collective Trust is as follows:

	(In Thousands)	
	Year Ended	
	December 31,	
	2017	2016
Interest and Dividend Income	\$22,268	\$14,584
Net Appreciation on Investments	54,232	25,527
Total Investment Income - Collective Trust	76,500	40,111
Other Additions (Deductions) <sup>1</sup>	(16,045 )	49,253
Net Activity	\$60,455	\$89,364

<sup>1</sup> Includes transfer of assets into the Collective Trust from Northshore Mining Company and Silver Bay Power Company Retirement Savings Plan of \$83,943 thousand for the year ended December 31, 2016.

#### 5. Party-in-Interest Transactions

As of December 31, 2017 and 2016, certain Plan investments are shares of mutual funds and a stable value fund managed by Fidelity, the trustee as defined by the Plan, and, therefore, these qualify as party-in-interest transactions. Usual and customary fees were paid by the Plan for the investment management services.

The Plan sold Cliffs' common shares for approximately \$677 and \$722 thousand in 2017 and 2016, respectively. The Plan purchased no shares in 2017 or 2016 as Cliffs Stock Fund is no longer an available investment option under the Plan.

#### 6. Risks and Uncertainties

The Plan provides for various investment options through the use of mutual funds and common collective trusts. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, as well as the level of uncertainty related to changes in the value of the investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the Statement of Net Assets Available for Benefits.

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## 7. Fair Value of Financial Assets

ASC 820, Fair Value Measurements and Disclosures, establishes a three-level valuation hierarchy for classification of fair value measurements. The valuation hierarchy is based upon the transparency of inputs to the valuation of an asset or liability as of the measurement date. Inputs refer broadly to the assumptions that market participants would use in pricing an asset or liability. Inputs may be observable or unobservable. Observable inputs are inputs that reflect the assumptions market participants would use in pricing the asset or liability developed based on market data obtained from independent sources. Unobservable inputs are inputs that reflect our own views about the assumptions market participants would use in pricing the asset or liability developed based on the best information available in the circumstances. The three-tier hierarchy of inputs is summarized below:

Level 1 — Valuation is based upon quoted prices (unadjusted) for identical assets or liabilities in active markets.

Level 2 — Valuation is based upon quoted prices for similar assets and liabilities in active markets, or other inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instrument.

Level 3 — Valuation is based upon other unobservable inputs that are significant to the fair value measurement.

The classification of assets and liabilities within the valuation hierarchy is based upon the lowest level of input that is significant to the fair value measurement in its entirety.

The following is a description of the valuation methodologies used for instruments measured at fair value, including the general classification of such instruments pursuant to the valuation hierarchy.

Common Stock, Mutual Funds and Self-Directed Accounts:

The fair value of the common stocks, mutual funds and self-directed accounts are based on quoted market prices. The self-directed accounts allow participants to invest in options not offered directly through the Plan. These instruments are classified in the Level 1 category of the hierarchy.

The following table presents the financial assets of the Collective Trust measured at fair value basis at December 31, 2017:

	Level 1	Level 2	Level 3	Total
Mutual Funds	\$444,065	\$ —	—	—\$444,065
Common Stock	12,841	—	—	12,841
Self-Directed Accounts	2,922	—	—	2,922
Investments measured at NAV <sup>(1)</sup>	—	—	—	18,744
Total	\$459,828	\$ —	—	—\$478,572

The following table presents the financial assets of the Plan measured at fair value on a recurring basis at December 31, 2016:

	Level 1	Level 2	Level 3	Total
Mutual Funds	\$377,137	\$ —	—	—\$377,137
Common Stock	15,719	—	—	15,719
Self-Directed Accounts	2,304	—	—	2,304
Investments measured at NAV <sup>(1)</sup>	—	—	—	22,957
Total	\$395,160	\$ —	—	—\$418,117

<sup>(1)</sup> Certain investments that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been categorized in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the Net Assets of the Collective Trust in Note 5 and the Statements of Net Assets Available for Benefits as of December 31, 2017 and 2016, respectively.

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Transfers between Levels

For years ended December 31, 2017 and 2016, there were no transfers between Level 1 and 2 and no transfers in or out of Level 3.

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SCHEDULE OF ASSETS HELD FOR INVESTMENT PURPOSES AT END OF YEAR

Form 5500, Schedule H, Part IV, Line 4i

Northshore Mining Company and Silver Bay Power Company

Retirement Savings Plan

EIN 84-1116857

Plan Number 001

December 31, 2017

(a)	(b)	(c)	(d)	(e)
	Identity of Issue, Borrower, Lessor, or Similar Party	Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Cost	Current Value
*	Fidelity Management Trust Company	Investments in Collective Trust	N/A	\$ 112,143,232
*	Participant Loans	Notes receivable (4.25% to 5.25%)	N/A	2,016,804
*	Party-in-interest to the Plan.			\$ 114,160,036

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SIGNATURES

The Plan. Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed on their behalf by the undersigned hereunto duly authorized.

NORTHSHORE MINING COMPANY and  
SILVER BAY POWER COMPANY  
RETIREMENT SAVINGS PLAN

By: Employee Benefits Administration Department of Cleveland-Cliffs Inc.,  
Plan Administrator

Date: June 20, 2018 By: /s/ Maurice D. Harapiak  
Executive Vice President, Human Resources & Chief Administrative Officer

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EXHIBIT INDEX

Exhibit Number Description

23 Consent of Independent Registered Public Accounting Firm, filed herewith.

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