
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington D.C. 20549

FORM 11-K

**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, 2016

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

(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**

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)

**CLIFFS NATURAL RESOURCES INC., 200 Public Square, Suite 3300,
Cleveland, Ohio 44114-2513**

NORTHSHORE MINING COMPANY
AND
SILVER BAY POWER COMPANY
RETIREMENT SAVINGS PLAN ("Plan" NY

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Plan Administrator





Participants' Accounts:

401(k) Accounts - Each participant's accountAn

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The Plan sold Cliffs' common shares for approximately \$722 thousand in 2016. The Plan purchased no shares in 2016 as Cliffs Stock Fund is no longer an available investment option under the Plan. The Plan purchased 1,000 shares of Cliffs' common shares for \$421,188 and sold 1,000 Cliffs' common shares for \$798,100.

The following table presents the financial assets of the Plan measured at fair value on a recurring basis at December 31, 2015:

	Level 1	Level 2		

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, 2016

(a)	(b) Identity of Issu_denti	HU	a N	WS W



SIGNATURES

EXHIBIT INDEX

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

We consent to the incorporation by reference to the Registration Statement (Form S-8 No. 033-56661) pertaining to the **Northshore Mining Company & Silver Bay Power Company Retirement Savings Plan** of our report dated June 14, 2017, with respect to the financial statements and related schedules of the Northshore Mining Company & Silver Bay Power Company Retirement Savings Plan included in this Annual Report (Form 11-K) for the years ended December 31, 2016 and 2015.

/s/ Meaden & Moore, Ltd.

Meaden & Moore, Ltd.
Cleveland, Ohio
June 14, 2017