

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

FORM 8-K

CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

Date of Report (Date of earliest event reported): January 15, 2004

SUFFOLK BANCORP

(Exact name of registrant as specified in its charter)

New York	0-13580	11-2708279
(State or other jurisdiction of incorporation or organization)	(Commission File Number)	(IRS Employer Identification No.)

4 West Second Street, Riverhead, New York	11901
(Address of principal executive offices)	(Zip Code)

Registrant's telephone number, including area code: (631) 727-5667

N/A

(Former name or former address, if changed since last report)

Item 12. Results of Operations and Financial Condition

Attached as an exhibit is the Company's earnings release for the three and twelve months ended December 31, 2003.

SIGNATURE

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

SUFFOLK BANCORP

Dated: January 15, 2004

By: /s/ Douglas Ian Shaw
Vice President & Corporate Secretary

EXHIBIT INDEX

99.1 Earnings release for the twelve months ended December 31, 2003, dated January 15, 2004.