EUROSEAS LTD.

Form 6-K

September 25, 2014

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13A-16 OR 15D-16 OF THE SECURITIES EXCHANGE ACT OF 1934

For the month of September 2014

Commission File Number: 001-33283

EUROSEAS LTD.

(Translation of registrant's name into English)

4 Messogiou & Evropis Street 151 24 Maroussi, Greece (Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F [X] Form 40-F []

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): [].

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): [].

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

INFORMATION CONTAINED IN THIS REPORT ON FORM 6-K

Attached as Exhibit 99.1 to this Report on Form 6-K is a copy of the press release of Euroseas Ltd. (the "Company") issued on September 25, 2014, announcing the Company's share repurchase program.

This Report on Form 6-K, except for the paragraph beginning with "Aristides Pittas, Chairman and CEO of the Company, commented," is hereby incorporated by reference into the Company's Registration Statement on Form F-3 (File No. 333-177014) filed with the Commission on September 27, 2011, as amended, and the Company's Registration Statement on Form F-3 (File No. 333-194922) filed with the Commission on March 31, 2014, as amended.

SIGNATURES

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

EUROSEAS LTD.

Dated: September 25, 2014 By: /s/ Aristides J. Pittas

Name: Aristides J. Pittas

Title: President

Exhibit 99.1

EUROSEAS LTD. ANNOUNCES \$5 MILLION SHARE REPURCHASE PROGRAM

Maroussi, Athens, Greece – September 25, 2014 – Euroseas Ltd. (NASDAQ: ESEA) (the "Company"), an owner and operator of drybulk and container carrier vessels and provider of seaborne transportation for drybulk and containerized cargoes, today announced that its Board of Directors has approved a share repurchase program for up to a total of \$5 million of the Company's common stock. The Board will review the program after a period of 12 months. Share repurchases will be made from time to time for cash in open market transactions at prevailing market prices or in privately negotiated transactions. The timing and amount of purchases under the program will be determined by management based upon market conditions and other factors. The program does not require the Company to purchase any specific number or amount of shares and may be suspended or reinstated at any time in the Company's discretion and without notice.

Aristides Pittas, Chairman and CEO of the Company, commented: "We believe that our stock represents one of the most attractive investment opportunities available to shipping investors as it trades significantly below its net asset value. Our Board of Directors has authorized a stock repurchase program which we believe will benefit our shareholders."

About Euroseas Ltd.

Euroseas Ltd. was formed on May 5, 2005 under the laws of the Republic of the Marshall Islands to consolidate the ship owning interests of the Pittas family of Athens, Greece, which has been in the shipping business over the past 140 years. Euroseas trades on the NASDAQ Global Select Market under the ticker symbol ESEA.

Cautionary Statement Regarding Forward-Looking Statements

Matters discussed in this press release may constitute forward-looking statements. The Private Securities Litigation Reform Act of 1995 provides safe harbor protections for forward-looking statements in order to encourage companies to provide prospective information about their business. Forward-looking statements include statements concerning plans, objectives, goals, strategies, future events or performance, and underlying assumptions and other statements, which are other than statements of historical facts.

The Company desires to take advantage of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and is including this cautionary statement in connection with this safe harbor legislation. The words "believe," "intend," "anticipate," "estimate," "project," "forecast," "plan," "potential," "may," "should," "expect" and similar expressions identify forward-looking statements. The forward-looking statements in this press release are based upon various assumptions, many of which are based, in turn, upon further assumptions, including without limitation, our management's examination of historical operating trends, data contained in our records and other data available from third parties. Although we believe that these assumptions were reasonable when made, because these assumptions are inherently subject to significant uncertainties and contingencies which are difficult or impossible to predict and are beyond our control, we cannot assure you that we will achieve or accomplish these expectations, beliefs or projections.

Actual results may differ materially from those expressed or implied by such forward-looking statements. Factors that could cause actual results to differ materially include, but are not limited to changes in the demand for drybulk vessels and containerships, competitive factors in the market in which the Company operates, risks associated with operations outside the United States, and other factors listed from time to time in the Company's filings with the Securities and

Exchange Commission. The Company expressly disclaims any obligations or undertaking to release publicly any updates or revisions to any forward-looking statements contained herein to reflect any change in the Company's expectations with respect thereto or any change in events, conditions or circumstances on which any statement is based.

Visit our website www.euroseas.gr. Information contained on our website does not constitute a part of this press release.

Company Contact Investor Relations / Financial Media

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