BAR HARBOR BANKSHARES Form 13F-NT February 16, 2011

> UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

> > FORM 13F

FORM 13F COVER PAGE

Report for the Calendar year or Quarter Ended: March 31, 2005

Check here if Amendment [] Amendment Number: This Amendment (Check only one): [] is a restatement [] adds new holdings entries

Institutional Investment Manager Filing This Report:

Name: Bar Harbor Bankshares Address: 82 Main Street, P.O. Box 400 Bar Harbor, ME 04609-0400

13F File Number: 028-14044

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables are considered integral parts of this form.

Person signing this report on behalf of Reporting Manager:

Name: Pam Curativo Title: Trust Operations Supervisor Phone: 207-667-6925 Signature, Place, and Date of Signing:

Pam Curativo Ellsworth, Maine February 15, 2011

Explanatory Remarks:

Bar Harbor Bankshares (BHB) timely filed its Form 13F-NTs but inadvertently filed under the CIK number for Bar Harbor Trust Services (BHTS) (0001114039). BHB is filing this form to: (i) file using the correct BHB CIK number; (ii) correct the 13F File Number to 028-14044; and (iii) add BHTS File number adjacent to its name under the List of Other Managers Reporting for this Manager section.

Report Type (Check only one.):

[] 13F HOLDINGS REPORT.

[X] 13F NOTICE.

[] 13F COMBINATION REPORT.

List of Other Managers Reporting for this Manager:

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13F File Number

Name

028-05715

Bar Harbor Trust Services