

Item 5.07 Submission of Matters to a Vote of Security Holders.

On May 18, 2011, First Federal of Northern Michigan Bancorp, Inc. (the “Company”) held its Annual Meeting of Shareholders. At the Annual Meeting, shareholders considered the election of directors and the ratification of independent registered public accountants. A breakdown of the votes cast is set forth below.

1. The election of directors For Withheld non-votes Broker

James C. Rapin 1,591,605 184,513 663,562

C. Rapin

Martin A. Thomson 1,493,661 282,457 663,562

2. The ratification of the appointment of Plante & Moran, PLLC as the Company’s independent registered public accountants for the year ending December 31, 2010.

	For	Against	Abstain	Broker non-votes
	2,420,486	16,367	2,827	None

Item 9.01 Financial Statements and Exhibits

- (a) Financial Statements of businesses acquired. Not Applicable.
- (b) Pro forma financial information. Not Applicable.
- (c) Shell company transactions: None
- (d) Exhibits.

None

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 hereunto duly authorized.

FIRST FEDERAL OF NORTHERN MICHIGAN
BANCORP, INC.

Date: May 18, 2011

By: /s/ Michael Mahler
Michael Mahler
President and Chief Operating
Officer
(Duly Authorized Representative)