PUTNAM INVESTMENT GRADE MUNICIPAL TRUST Form N-PX August 11, 2006

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM N-PX

ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act File Number : 811-5901 Name of Registrant: Putnam Investment Grade Municipal Trust

Address of Principal Executive Offices: One Post Office Square Boston, Massachusetts 02109

Name and address of agent of service: Beth S. Mazor, Vice President Putnam Investment Grade Municipal Trust One Post Office Square Boston, Massachusetts 02109

Copy to: John W. Gerstmayr, Esq. Ropes & Gray LLP One International Place Boston, Massachusetts 02110

Registrant's telephone number including area code: (617) 292-1000

Date of fiscal year end: **11/30**

Date of Reporting Period: 07/01/2005 - 06/30/2006

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Any ballot marked 'Abstain' is considered to have been voted. Ballots marked 'Abstain' are considered to have been voted against management's recommendation if management's recommendation is 'For' or 'Against,' and for management's recommendation if management's recommendation is 'Abstain.' Where management has recommended that shareholders 'Abstain' from voting on a ballot item, a ballot marked 'For' or 'Against' is considered to have been voted against management's recommendation to 'Abstain.'

Where management has made no recommendation on a ballot item, 'None' is used to indicate that there is no management recommendation that a shareholder may vote 'For' or 'Against.'

SIGNATURES:

Pursuant to the requirements of the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

PUTNAM INVESTMENT GRADE MUNICIPAL TRUST

(Registrant)

By /s/ Charles E. Porter, Executive Vice President, Associate Treasurer and Principal Executive Officer

(Signature & Title)

Date: August 11, 2006