

BLACKROCK MUNIHOLDINGS FUND INC

Form N-PX

August 27, 2008

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM N-PX

ANNUAL REPORT OF PROXY VOTING RECORD OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-08081

Name of Fund: BlackRock MuniHoldings Fund, Inc. (MHD)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Donald C. Burke, Chief Executive Officer, BlackRock MuniHoldings Fund, Inc., 800 Scudders Mill Road, Plainsboro, NJ, 08536. Mailing address: P.O. Box 9011, Princeton, NJ, 08543-9011

Registrant's telephone number, including area code: (800) 882-0052, Option 4

Date of fiscal year end: 04/30 Date of reporting period: 07/01/2007 --
06/30/2008

Item 1 -- Proxy Voting Record -- There were no matters relating to a portfolio security considered at any shareholder meeting held during the period ended June 30, 2008 with respect to which the registrant was entitled to vote.

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.

BlackRock MuniHoldings Fund, Inc.

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By: /s/ Donald C. Burke

Donald C. Burke

Chief Executive Officer of BlackRock MuniHoldings Fund, Inc.

Date: August 15, 2008