

BLACKROCK MUNIYIELD INVESTMENT FUND  
Form N-PX  
August 27, 2014

**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: 811-06502

Name of Fund: BlackRock MuniYield Investment Fund (MYF)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John Perlowski, Chief Executive Officer, BlackRock MuniYield Investment Fund, 55 East 52<sup>nd</sup> Street, New York City, NY 10055.

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

Date of fiscal year end: 07/31

Date of reporting period: 07/01/2013 - 06/30/2014

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, 2014 with respect to which the registrant was entitled to vote.

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\*\*\*\*\* FORM N-Px REPORT \*\*\*\*\*

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===== BlackRock MuniYield Investment Fund =====

There is no proxy voting activity for the fund, as the fund did not hold any votable positions during the reporting period.

===== END NPX REPORT

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 MuniYield Investment Fund

By: /s/ John Perlowski  
John Perlowski  
Chief Executive Officer of  
BlackRock MuniYield Investment Fund

Date: August 27, 2014