BLACKROCK MUNIYIELD INVESTMENT FUND Form N-PX August 26, 2015

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 52nd 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: 07/01/2014 06/30/2015

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, 2015 with respect to which the registrant was entitled to vote.

ICA File Number: 811-06502 Reporting Period: 07/01/2014 - 06/30/2015 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.

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 26, 2015