

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

Form N-Q

September 25, 2012

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**FORM N-Q**

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY**

Investment Company Act file number 811-21348

Name of Fund: BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: John M. Perlowski, Chief Executive Officer, BlackRock Muni Intermediate Duration Fund, Inc., 55 East 52<sup>nd</sup> Street, New York, NY 10055

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

Date of fiscal year end: 04/30/2013

Date of reporting period: 07/31/2012

Item 1 – Schedule of Investments

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Schedule of Investments July 31, 2012 (Unaudited)

**BlackRock Muni Intermediate Duration Fund, Inc. (MUI)**  
(Percentages shown are based on Net Assets)

|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>Alabama 2.7%</b>   |              |              |
| Birmingham Special Care Facilities<br>Financing Authority, RB, Children s<br>Hospital (AGC), 6.00%, 6/01/34 | \$ 4,615     | \$ 5,414,641 |
| County of Jefferson Alabama, RB,<br>Series A:   |              |              |
| 5.50%, 1/01/21  | 5,500        | 5,519,910    |
| 5.25%, 1/01/23  | 6,500        | 6,500,130    |
|   |              | 17,434,681   |
| <b>Arizona 5.0%</b>   |              |              |
| City of Tucson Arizona, COP (AGC):  |              |              |
| 4.25%, 7/01/21  | 1,870        | 2,064,761    |
| 4.25%, 7/01/22  | 1,895        | 2,089,219    |
| Refunding, 4.00%, 7/01/20   | 2,325        | 2,605,069    |
| Maricopa County IDA Arizona, RB,<br>Arizona Charter Schools Project,<br>Series A, 6.63%, 7/01/20            | 2,000        | 1,622,380    |
| Northern Arizona University, RB, 5.00%,<br>6/01/41  | 1,250        | 1,373,413    |
| Phoenix Mesa Gateway Airport Authority,<br>RB, Mesa Project, AMT:   |              |              |
| 5.00%, 7/01/27  | 700          | 770,056      |
| 5.00%, 7/01/32  | 1,200        | 1,288,248    |
| Pima County IDA, RB:  |              |              |
| Charter Schools Project,<br>Series C, 6.70%, 7/01/21  | 955          | 958,820      |
| Charter Schools Project,<br>Series K, 6.38%, 7/01/31  | 930          | 932,474      |
| Pima County IDA, Refunding RB, Tucson<br>Electric Power Co., San Juan, Series A,<br>4.95%, 10/01/20         | 2,325        | 2,582,098    |
| Pinal County Electric District No. 3,<br>Refunding RB, 5.00%, 7/01/25                                       | 1,600        | 1,820,512    |
| Salt River Project Agricultural<br>Improvement & Power District, RB,<br>Series A, 5.00%, 1/01/25            | 4,000        | 4,702,920    |
| Scottsdale IDA, Refunding RB,<br>Scottsdale Healthcare, Series C<br>(AGM), 5.00%, 9/01/35                   | 3,150        | 3,480,088    |
| State of Arizona, COP, Department of<br>Administration, Series A (AGM),<br>4.25%, 10/01/23                  | 1,000        | 1,095,780    |
| University of Arizona, RB, Speed, 5.00%,<br>8/01/28   | 3,630        | 4,149,671    |
|   |              | 31,535,509   |
| <b>Arkansas 0.2%</b>  |              |              |
| University of Arkansas, GO, Refunding<br>RB, Various Facility, Series A, 5.00%,<br>11/01/31                 | 1,000        | 1,221,190    |
| <b>California 6.1%</b>  |              |              |
| California Health Facilities Financing<br>Authority, RB, Sutter Health, Series B,<br>5.00%, 8/15/22         | 2,135        | 2,523,036    |

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| Municipal Bonds   | Par<br>(000) | Value      |
|---|--------------|------------|
| <b>California (concluded)</b>   |              |            |
| California HFA, RB, Home Mortgage, Series K, AMT, 4.55%, 8/01/21  | \$ 780       | \$ 787,894 |
| California HFA, Refunding RB, Home Mortgage, Series M, AMT, 4.55%, 8/01/21  | 3,685        | 3,722,292  |
| California Pollution Control Financing Authority, RB, AMT:<br>Republic Services Inc. Project, Series B, Mandatory Put Bonds, 5.25%, 6/01/23 (a) | 605          | 691,140    |
| Waste Management Inc. Project, Series A-2, 5.40%, 4/01/25   | 1,240        | 1,343,776  |
| California Pollution Control Financing Authority, Refunding RB, Pacific Gas, Series C, AMT (NPFGC), 4.75%, 12/01/23                             | 5,000        | 5,440,800  |
| City of Sacramento California, Special Tax Bonds, North Natomas Community Facilities, Series 4-C, 6.00%, 9/01/28                                | 2,990        | 3,053,657  |
| City of San Jose California, Refunding ARB, Series A-1, AMT, 5.00%, 3/01/25   | 3,000        | 3,365,100  |
| State of California, GO: 5.50%, 4/01/28   | 15           | 15,961     |
| Various Purpose, 5.75%, 4/01/31   | 7,000        | 8,266,230  |
| Various Purpose, 5.00%, 11/01/32  | 2,000        | 2,194,900  |
| University of California, Refunding RB, Limited Project, Series G, 5.00%, 5/15/37 (b)   | 6,440        | 7,442,450  |
|   |              | 38,847,236 |
| <b>Colorado 1.0%</b>  |              |            |
| Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Public Improvement Fee, Tax Increment, 7.50%, 12/01/15                        | 6,000        | 6,229,380  |
| <b>Connecticut 2.2%</b>   |              |            |
| Connecticut State Development Authority, RB, Learjet Inc. Project, AMT, 7.95%, 4/01/26  | 1,160        | 1,253,786  |
| Connecticut State Health & Educational Facility Authority, Refunding RB: Connecticut College, Series I, 5.00%, 7/01/29                          | 1,075        | 1,258,212  |
| Connecticut College, Series I, 5.00%, 7/01/31   | 620          | 721,041    |
| Connecticut College, Series I, 5.00%, 7/01/32   | 500          | 577,785    |
| Lawrence & Memorial Hospital, Series F, 5.00%, 7/01/31  | 1,780        | 1,961,436  |



## Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)  
(Percentages shown are based on Net Assets)

| Municipal Bonds   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Connecticut (concluded)</b>  |              |              |
| State of Connecticut, GO, Series B,<br>5.00%, 4/15/31   | \$ 6,990     | \$ 8,387,371 |
|   |              | 14,159,631   |
| <b>Delaware 0.9%</b>  |              |              |
| Delaware State Municipal Electric Corp.,<br>Refunding RB, 5.00%, 7/01/37  | 5,000        | 5,545,800    |
| <b>Florida 8.1%</b>   |              |              |
| Broward County School Board Florida,<br>Refunding COP, Series A (AGM),<br>(AGM), 5.00%, 7/01/24                         | 10,000       | 11,478,400   |
| County of Lee Florida, Refunding ARB,<br>Series A, AMT:<br>5.50%, 10/01/23  | 1,000        | 1,158,270    |
| 5.63%, 10/01/26   | 500          | 569,245      |
| (AGM), 5.00%, 10/01/27  | 1,635        | 1,804,271    |
| County of Miami-Dade Florida,<br>Refunding RB, Series C (BHAC),<br>5.00%, 10/01/23                                      | 8,000        | 9,209,200    |
| County of Miami-Dade Florida Transit<br>System, RB, Sales Tax (b):<br>5.00%, 7/01/32                                    | 1,500        | 1,716,870    |
| 5.00%, 7/01/33  | 3,000        | 3,414,660    |
| Greater Orlando Aviation Authority<br>Airport Facilities, Refunding RB,<br>Series B, AMT:<br>5.00%, 10/01/25            | 1,000        | 1,133,480    |
| 5.00%, 10/01/26   | 2,935        | 3,299,586    |
| Highlands County Health Facilities<br>Authority, Refunding RB, Adventist<br>Health, Series G, 5.13%,<br>11/15/16 (c)    | 35           | 41,643       |
| JEA Electric System, Refunding RB, Sub-<br>Series B, 5.00%, 10/01/24  | 4,615        | 5,262,392    |
| Midtown Miami Community<br>Development District, Special<br>Assessment Bonds:<br>Series A, 6.00%, 5/01/24               | 2,880        | 2,933,712    |
| Series B, 6.50%, 5/01/37  | 1,870        | 1,920,359    |
| Portofino Shores Community<br>Development District, Special<br>Assessment Bonds, Series A, 6.40%,<br>5/01/34            | 1,085        | 1,100,418    |
| South Lake County Hospital District, RB,<br>South Lake Hospital Inc., 6.63%,<br>10/01/23                                | 2,390        | 2,464,879    |
| Sterling Hill Community Development<br>District, Refunding RB, Special<br>Assessment Bonds Series B, 5.50%,<br>11/01/10 | 155          | 108,502      |
|   | 4,000        | 4,000,960    |

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|  |            |
|--|------------|
| University of Florida Research<br>Foundation Inc., RB (AMBAC), 5.13%,<br>9/01/33 | 51,616,847 |
|--|------------|

|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>Georgia 1.1%</b>   |              |              |
| Fulton County Development Authority,<br>Refunding RB, Robert Woodruff,<br>Series B, 5.25%, 3/15/24                                | \$ 3,000     | \$ 3,440,190 |
| Medical Center Hospital Authority,<br>Refunding RB, Columbus Regional<br>Healthcare (AGM):  |              |              |
| 4.00%, 8/01/23  | 1,500        | 1,611,405    |
| 4.13%, 8/01/24  | 2,000        | 2,144,400    |
|   |              | 7,195,995    |
| <b>Guam 0.4%</b>  |              |              |
| Territory of Guam, RB, Section 30,<br>Series A, 5.38%, 12/01/24   | 2,100        | 2,329,698    |
| <b>Hawaii 0.9%</b>  |              |              |
| State of Hawaii, Refunding ARB,<br>Series A, 5.25%, 7/01/29   | 5,000        | 5,730,500    |
| <b>Idaho 0.6%</b>   |              |              |
| Idaho Health Facilities Authority,<br>Refunding RB, St. Luke's Regional<br>Medical Center (AGM), 4.63%,<br>7/01/30                | 3,700        | 4,017,534    |
| <b>Illinois 6.1%</b>  |              |              |
| Chicago Transit Authority, RB, 5.25%,<br>12/01/31   | 2,000        | 2,331,980    |
| City of Chicago Illinois, GARB, O'Hare<br>International Airport, Third Lien,<br>Series B-2, AMT (AGM), 5.75%,<br>1/01/23          | 8,130        | 8,529,020    |
| Madison, Macoupin, Etc. Counties<br>Community College District No. 536,<br>GO, Refunding, Lewis & Clark<br>Community College (b): |              |              |
| 5.00%, 5/01/29  | 350          | 392,998      |
| 5.00%, 5/01/30  | 475          | 530,247      |
| 5.00%, 5/01/31  | 500          | 556,960      |
| 5.00%, 5/01/32  | 500          | 553,720      |
| Railsplitter Tobacco Settlement<br>Authority, RB:   |              |              |
| 5.50%, 6/01/23  | 3,500        | 4,084,220    |
| 6.25%, 6/01/24  | 12,750       | 14,376,263   |
| Village of Hodgkins Illinois, RB, MBM<br>Project, AMT, 5.90%, 11/01/17  | 6,000        | 6,008,280    |
| Village of Wheeling Illinois, Tax<br>Allocation Bonds, North<br>Milwaukee/Lake-Cook TIF Project,<br>6.00%, 1/01/25                | 1,480        | 1,485,831    |
|   |              | 38,849,519   |
| <b>Indiana 4.0%</b>   |              |              |
| City of Whiting Indiana, RB, BP Products<br>North America, 5.25%, 1/01/21   | 4,800        | 5,788,128    |



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Schedule of Investments (continued)

**BlackRock Muni Intermediate Duration Fund, Inc. (MUI)**  
(Percentages shown are based on Net Assets)

|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>Indiana (concluded)</b>  |              |              |
| County of Jasper Indiana, Refunding RB,<br>Northern Indiana Public Service Co.,<br>Series C (NPFGC), 5.85%, 4/01/19                     | \$ 2,000     | \$ 2,362,000 |
| Indiana Finance Authority, Refunding<br>RB, Environmental Improvement,<br>United Steel Corp. Project, 6.00%,<br>12/01/19                | 5,000        | 5,347,700    |
| Indiana Finance Authority Wastewater<br>Utility, RB, 5.25%, 10/01/31  | 10,000       | 11,826,300   |
|   |              | 25,324,128   |
| <b>Iowa 1.0%</b>  |              |              |
| Iowa Higher Education Loan Authority,<br>RB, Private College Facility:<br>5.25%, 4/01/23  | 695          | 829,503      |
| 5.25%, 4/01/24  | 730          | 861,831      |
| 5.25%, 4/01/25  | 520          | 609,986      |
| 5.25%, 4/01/26  | 360          | 419,397      |
| Iowa Higher Education Loan Authority,<br>Refunding RB, Private College Facility:<br>5.00%, 9/01/20                                      | 1,000        | 1,120,480    |
| 5.00%, 9/01/22  | 2,315        | 2,518,465    |
|   |              | 6,359,662    |
| <b>Kansas 2.3%</b>  |              |              |
| Kansas Development Finance Authority,<br>RB, KU Health System, Series H:<br>5.00%, 3/01/26  | 3,220        | 3,541,420    |
| 5.00%, 3/01/27  | 3,905        | 4,280,622    |
| Kansas Development Finance Authority,<br>Refunding RB:<br>Adventist Health, 5.00%,<br>11/15/23  | 1,500        | 1,739,520    |
| Adventist/Sunbelt, Series D,<br>5.00%, 11/15/24   | 1,000        | 1,113,130    |
| Sisters of Leavenworth,<br>Series A, 4.00%, 1/01/22   | 3,425        | 3,778,083    |
|   |              | 14,452,775   |
| <b>Kentucky 3.0%</b>  |              |              |
| Kentucky Economic Development<br>Finance Authority, RB, Owensboro<br>Medical Health System, Series A,<br>5.25%, 6/01/23                 | 8,650        | 9,684,540    |
| Kentucky State Property & Buildings<br>Commission, Refunding RB, Project<br>No. 93 (AGC), 5.25%, 2/01/24                                | 8,000        | 9,457,520    |
|   |              | 19,142,060   |
| <b>Louisiana 6.3%</b>   |              |              |
| Jefferson Parish Hospital Service District<br>No. 1, Refunding RB, West Jefferson<br>Medical Center, Series A, (AGM),<br>5.50%, 1/01/26 | 3,000        | 3,368,940    |



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|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>Louisiana (concluded)</b>  |              |              |
| Louisiana Local Government<br>Environmental Facilities & Community<br>Development Authority, Refunding RB,<br>BRCC Facilities Corp. Project:<br>5.00%, 12/01/27 | \$ 3,445     | \$ 4,048,116 |
| 5.00%, 12/01/28   | 3,715        | 4,338,860    |
| Louisiana Public Facilities Authority, RB,<br>Nineteenth Judicial District Court<br>(NPFGC), 5.50%, 6/01/41   | 2,000        | 2,179,140    |
| Louisiana Public Facilities Authority,<br>Refunding RB, Entergy Gulf States<br>Louisiana, LLC Project, Series A,<br>5.00%, 9/01/28                              | 4,000        | 4,283,840    |
| New Orleans Aviation Board Louisiana,<br>Refunding RB, GARB, Restructuring,<br>Series A-2, (AGC), 6.00%, 1/01/23  | 850          | 1,019,762    |
| Parish of St. Charles Louisiana, RB,<br>Valero Energy Corp. Project, 4.00%,<br>12/01/40 (a)   | 1,760        | 1,861,922    |
| Port of New Orleans Louisiana,<br>Refunding RB, Continental Grain Co.<br>Project, 6.50%, 1/01/17  | 3,500        | 3,518,655    |
| State of Louisiana, GO, Series A, 5.00%,<br>8/01/24   | 12,000       | 15,095,760   |
|   |              | 39,714,995   |
| <b>Maine 0.3%</b>   |              |              |
| Portland New Public Housing Authority<br>Maine, Refunding RB, Senior Living,<br>Series A, 6.00%, 2/01/34  | 1,965        | 2,026,111    |
| <b>Maryland 0.7%</b>  |              |              |
| Maryland EDC, RB, Transportation<br>Facilities Project, Series A, 5.13%,<br>6/01/20   | 1,750        | 1,929,043    |
| Maryland EDC, Refunding RB, CNX<br>Marine Terminals Inc., 5.75%,<br>9/01/25   | 790          | 855,151      |
| Maryland Health & Higher Educational<br>Facilities Authority, RB, Johns Hopkins<br>Health System, Series B, 5.00%,<br>7/01/33                                   | 1,140        | 1,338,565    |
| Maryland Industrial Development<br>Financing Authority, RB, Our Lady of<br>Good Counsel School, Series A,<br>6.00%, 5/01/35                                     | 500          | 524,300      |
|   |              | 4,647,059    |
| <b>Massachusetts 0.2%</b>   |              |              |
| Massachusetts Health & Educational<br>Facilities Authority, Refunding RB,<br>Winchester Hospital, 5.00%, 7/01/25  | 1,060        | 1,154,923    |

## Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)  
(Percentages shown are based on Net Assets)

|  | Par<br>(000) | Value        |
|--|--------------|--------------|
| <b>Municipal Bonds</b>   |              |              |
| <b>Michigan 4.0%</b>   |              |              |
| City of Detroit Michigan, Refunding RB,<br>Second Lien, Series C (BHAC), 5.75%,<br>7/01/26   | \$ 4,235     | \$ 4,900,488 |
| Manistee Area Public Schools, GO,<br>Refunding (Q-SBLF), 5.00%, 5/01/25  | 1,000        | 1,140,230    |
| Michigan State Building Authority,<br>Refunding RB, Facilities Program,<br>Series A, 5.00%, 10/15/24   | 2,500        | 2,965,350    |
| Michigan State Hospital Finance<br>Authority, Refunding RB, Henry Ford<br>Health, 5.25%, 11/15/24  | 4,900        | 5,532,933    |
| State of Michigan Trunk Line, RB, Fund,<br>5.00%, 11/15/31   | 2,000        | 2,343,320    |
| Wayne County Airport Authority, RB,<br>Detroit Metropolitan Wayne County<br>Airport, AMT (AGC), 4.75%, 12/01/18                                    | 7,665        | 8,286,325    |
|  |              | 25,168,646   |
| <b>Minnesota 0.6%</b>  |              |              |
| City of St. Cloud Minnesota, Refunding<br>RB, Centracare Health System,<br>Series A, 4.25%, 5/01/21  | 2,300        | 2,586,051    |
| University of Minnesota, RB, Biomedical<br>Science Research Facilities Funding<br>Program, Series B, 5.00%, 8/01/36                                | 1,000        | 1,167,890    |
|  |              | 3,753,941    |
| <b>Mississippi 1.5%</b>  |              |              |
| Mississippi Business Finance Corp.,<br>Refunding RB, System Energy<br>Resource Inc. Project:<br>5.88%, 4/01/22                                     | 5,000        | 5,014,150    |
| 5.90%, 5/01/22   | 4,410        | 4,422,480    |
|  |              | 9,436,630    |
| <b>Missouri 2.6%</b>   |              |              |
| Missouri Development Finance Board,<br>RB, St. Joseph Sewage System<br>Improvements, Series E, 4.75%,<br>5/01/26                                   | 750          | 786,968      |
| Missouri Joint Municipal Electric Utility<br>Commission Power, RB, Prairie State<br>Project, Series A (BHAC), 5.00%,<br>1/01/32                    | 5,000        | 5,557,100    |
| Missouri State Environmental<br>Improvement & Energy Resources<br>Authority, Refunding RB, Revolving<br>Funds Program, Series A, 5.00%,<br>1/01/25 | 3,150        | 3,954,321    |
| Missouri State Health & Educational<br>Facilities Authority, Refunding RB,<br>SSM Health Care, Series B, 4.25%,<br>6/01/25                         | 5,975        | 6,501,457    |

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16,799,846

|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>Montana 0.5%</b>   |              |              |
| Montana Facility Finance Authority,<br>Refunding RB, Series B, 5.00%,<br>1/01/24  | \$ 2,625     | \$ 3,007,384 |
| <b>Nebraska 0.8%</b>  |              |              |
| Douglas County School District No. 17<br>Nebraska, GO, Refunding, 2.00%,<br>6/15/25   | 4,380        | 4,213,385    |
| Lancaster County Hospital Authority No.<br>1, Refunding RB, Immanuel Obligation<br>Group, 5.50%, 1/01/30                                    | 1,000        | 1,122,680    |
|   |              | 5,336,065    |
| <b>Nevada 1.0%</b>  |              |              |
| County of Clark Nevada, Special<br>Assessment Bonds, Special<br>Improvement District No. 142, Local<br>Improvement, 6.38%, 8/01/23          | 2,040        | 2,101,200    |
| County of Humboldt Nevada, Refunding<br>RB, Idaho Power Co. Project, 5.15%,<br>12/01/24   | 3,800        | 4,277,242    |
|   |              | 6,378,442    |
| <b>New Jersey 13.8%</b>   |              |              |
| Essex County Improvement Authority,<br>RB, Newark Project, Series A (AGM),<br>5.00%, 11/01/20   | 2,000        | 2,313,740    |
| Garden State Preservation Trust, RB,<br>Election of 2005, Series A (AGM) (c):<br>5.80%, 11/01/15  | 3,635        | 4,251,787    |
| 5.80%, 11/01/15   | 5,050        | 5,906,884    |
| New Jersey EDA, RB:<br>Continental Airlines Inc.<br>Project, AMT, 6.63%,<br>9/15/12 (d)   | 5,540        | 5,568,309    |
| Motor Vehicle Surcharge, Series A,<br>(NPFGC), 5.25%, 7/01/33   | 10,000       | 10,704,800   |
| <b>New Jersey EDA, Refunding RB:</b>  |              |              |
| New Jersey American Water<br>Co., Series E, AMT, 4.70%,<br>12/01/25   | 3,000        | 3,294,060    |
| School Facilities Construction,<br>Series AA, 4.25%, 12/15/24   | 3,850        | 4,230,033    |
| School Facilities Construction,<br>Series EE, 5.00%, 9/01/23  | 3,465        | 4,125,360    |
| New Jersey Health Care Facilities<br>Financing Authority, Refunding RB,<br>Hackensack University Medical,<br>Series B (AGM), 4.00%, 1/01/24 | 635          | 687,032      |
| New Jersey Higher Education Assistance<br>Authority, Refunding RB:<br>Series 1, AMT, 5.50%,<br>12/01/26                                     | 1,665        | 1,904,294    |
| Series 1, AMT, 5.00%,<br>12/01/27   | 12,000       | 13,037,520   |



## Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)  
(Percentages shown are based on Net Assets)

|  | Par<br>(000) | Value        |
|--|--------------|--------------|
| <b>Municipal Bonds</b>   |              |              |
| <b>New Jersey (concluded)</b>  |              |              |
| New Jersey Higher Education Assistance Authority, Refunding RB (concluded): Series 1A, 4.75%, 12/01/21                 | \$ 2,400     | \$ 2,691,504 |
| New Jersey State Housing & Mortgage Finance Agency, RB, S/F Housing, Series X, AMT, 5.10%, 10/01/23                    | 4,150        | 4,436,848    |
| New Jersey Transportation Trust Fund Authority, RB, Transportation System: CAB, Series C, (AMBAC), 4.07%, 12/15/25 (e) | 9,450        | 5,514,358    |
| Series A, 5.25%, 6/15/24   | 3,185        | 3,844,773    |
| Series B, 5.50%, 6/15/31   | 10,000       | 11,874,400   |
| South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/23   | 1,375        | 1,548,938    |
| State of New Jersey, GO, Refunding, 5.25%, 8/01/21   | 1,355        | 1,741,297    |
|  |              | 87,675,937   |
| <b>New York 18.2%</b>  |              |              |
| City of New York New York, GO: Series D1, 5.13%, 12/01/26  | 4,615        | 5,441,546    |
| Sub-Series G-1, 5.00%, 4/01/28   | 1,000        | 1,201,100    |
| City of New York New York, GO, Refunding, Series E, 5.00%, 8/01/27   | 3,500        | 4,115,930    |
| Essex County Industrial Development Agency, Refunding RB, International Paper, Series A, AMT, 5.20%, 12/01/23          | 6,300        | 6,504,183    |
| Hudson New York Yards Infrastructure Corp., RB, 5.75%, 2/15/47   | 4,250        | 4,981,297    |
| Long Island Power Authority, Refunding RB, Series A, 5.50%, 4/01/24  | 1,475        | 1,778,290    |
| Metropolitan Transportation Authority, RB: Sub-Series B-1, 5.00%, 11/15/24   | 2,300        | 2,832,864    |
| Sub-Series B-4, 5.00%, 11/15/24  | 1,500        | 1,847,520    |
| Transportation, Series A, 5.00%, 11/15/25  | 1,980        | 2,245,954    |
| Metropolitan Transportation Authority, Refunding RB: Series B, 5.25%, 11/15/25   | 4,000        | 4,771,520    |
| Series D, 4.00%, 11/15/32 (b)  | 2,000        | 2,062,980    |
| New York City Industrial Development Agency, RB: Continental Airlines Inc. Project, Mandatory Put Bonds, AMT, 8.38%,   | 3,500        | 3,535,840    |

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11/01/16

|  | Par<br>(000) | Value        |
|--|--------------|--------------|
| <b>Municipal Bonds</b>   |              |              |
| <b>New York (continued)</b>  |              |              |
| New York City Industrial Development Agency, RB (concluded):<br>Special Needs Facilities Pooled Program, Series C-1,<br>6.80%, 7/01/19 | \$ 1,770     | \$ 1,801,772 |
| New York City Industrial Development Agency, Refunding RB, New York Stock Exchange Project, Series A,<br>4.25%, 5/01/24                | 1,740        | 1,912,904    |
| New York City Transitional Finance Authority, RB:<br>Fiscal 2007, Series S-1, (NPFGC),<br>5.00%, 7/15/24                               | 500          | 565,640      |
| Fiscal 2009, Series S-3,<br>5.00%, 1/15/23   | 3,560        | 4,257,796    |
| New York City Trust for Cultural Resources, Refunding RB, Carnegie Hall, Series A, 5.00%, 12/01/29                                     | 2,750        | 3,148,475    |
| New York Liberty Development Corp., Refunding RB, Second Priority, Bank of America Tower at One Bryant Park Project, 5.63%, 7/15/47    | 3,000        | 3,362,850    |
| New York State Dormitory Authority, LRB, Municipal Health Facilities, Sub-Series 2-4, 5.00%, 1/15/27                                   | 6,900        | 7,677,768    |
| New York State Dormitory Authority, RB: Education, Series D, 5.00%,<br>3/15/31   | 4,500        | 5,082,930    |
| Fordham University, Series A,<br>5.25%, 7/01/25  | 900          | 1,079,190    |
| Mental Health Services Facilities Improvement, Series A (AGM), 5.00%,<br>2/15/22   | 4,000        | 4,649,720    |
| Mount Sinai School of Medicine, Series A (NPFGC),<br>5.15%, 7/01/24  | 1,000        | 1,173,760    |
| North Shore-Long Island Jewish Health System, Series A, 5.50%, 5/01/30   | 1,495        | 1,694,418    |
| North Shore-Long Island Jewish Health System, Series D, 5.00%, 5/01/39   | 1,600        | 1,744,224    |
| NYU Hospital Center, Series A,<br>5.00%, 7/01/22   | 1,725        | 1,976,281    |
| NYU Hospital Center, Series A,<br>5.13%, 7/01/23   | 1,670        | 1,906,372    |
| School Districts Financing Program, Series C, 5.00%,<br>10/01/24   | 3,165        | 3,861,838    |
| University of Rochester, Series C, 4.00%, 7/01/24  | 625          | 679,231      |



## Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)  
(Percentages shown are based on Net Assets)

|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>New York (concluded)</b>   |              |              |
| New York State Dormitory Authority,<br>Refunding RB:  |              |              |
| Mount Sinai Hospital, Series A,<br>4.25%, 7/01/23   | \$ 2,225     | \$ 2,412,300 |
| North Shore-Long Island<br>Jewish Health System,<br>Series E, 5.00%, 5/01/22  | 650          | 746,590      |
| North Shore-Long Island<br>Jewish Health System,<br>Series E, 5.00%, 5/01/23  | 2,160        | 2,450,909    |
| Yeshiva University, 4.00%,<br>9/01/23   | 2,860        | 3,123,835    |
| Yeshiva University, 4.25%,<br>9/01/24   | 2,750        | 3,023,652    |
| Port Authority of New York & New Jersey,<br>RB, JFK International Air Terminal,<br>5.00%, 12/01/20  | 2,475        | 2,740,270    |
| Port Authority of New York & New Jersey,<br>Refunding RB:   |              |              |
| Consolidated, 152nd Series,<br>AMT, 5.00%, 11/01/23   | 1,000        | 1,137,790    |
| Consolidated, 153rd Series,<br>5.00%, 7/15/24   | 2,010        | 2,314,394    |
| United Nations Development Corp. New<br>York, Refunding RB, Series A, 4.25%,<br>7/01/24   | 2,985        | 3,287,948    |
| Westchester County New York Health<br>Care Corp., Refunding RB, Senior Lien,<br>Series A, 5.00%, 11/01/24   | 5,470        | 6,176,505    |
|   |              | 115,308,386  |
| <b>North Carolina 2.2%</b>  |              |              |
| City of Charlotte North Carolina, RB,<br>Charlotte Douglas Airport, Series A,<br>5.00%, 7/01/33   | 4,000        | 4,564,600    |
| Gaston County Industrial Facilities &<br>Pollution Control Financing Authority<br>North Carolina, RB, Exempt Facilities,<br>National Gypsum Co. Project, AMT,<br>5.75%, 8/01/35 | 2,105        | 1,901,678    |
| North Carolina Capital Facilities Finance<br>Agency, RB, Solid Waste Disposal,<br>Duke Energy Carolinas Project, Series<br>B, 4.38%, 10/01/31                                   | 2,000        | 2,152,000    |
| North Carolina Eastern Municipal Power<br>Agency, Refunding RB, Series B,<br>5.00%, 1/01/26   | 1,925        | 2,176,944    |
| North Carolina Medical Care<br>Commission, Refunding RB:  |              |              |
| Vidant Health, Series A,<br>5.00%, 6/01/36  | 1,500        | 1,646,475    |



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|                                       |       |            |
|---------------------------------------|-------|------------|
| WakeMed, Series A, 5.00%,<br>10/01/31 | 1,500 | 1,702,005  |
|                                       |       | 14,143,702 |

|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>Ohio 0.7%</b>  |              |              |
| Cincinnati City School District,<br>Refunding GO, School Improvement,<br>5.25%, 6/01/24                                 | \$ 1,825     | \$ 2,198,541 |
| City of Cincinnati Ohio, Refunding GO,<br>Various Purpose, Series A, 4.38%,<br>12/01/30                                 | 900          | 973,494      |
| Kent State University, ERB, General<br>Receipts, Series A, 5.00%, 5/01/37   | 1,000        | 1,131,780    |
|   |              | 4,303,815    |
| <b>Oregon 1.5%</b>  |              |              |
| City of Tigard Washington County<br>Oregon, Refunding RB, Water System,<br>5.00%, 8/01/37                               | 2,000        | 2,320,860    |
| Oregon Health & Science University,<br>Refunding RB, Series A, 5.00%,<br>7/01/26  | 1,500        | 1,776,135    |
| Oregon State Facilities Authority,<br>Refunding RB, Reed College Project,<br>Series A, 5.00%, 7/01/29                   | 1,835        | 2,162,602    |
| State of Oregon, GO:<br>Odot Project, Tax-Exempt,<br>Series I, 5.00%, 5/01/37   | 1,000        | 1,180,920    |
| Series H, 5.00%, 5/01/36  | 2,000        | 2,361,840    |
|   |              | 9,802,357    |
| <b>Pennsylvania 9.1%</b>  |              |              |
| City of Philadelphia Pennsylvania, RB,<br>Series A, AMT (AGM), 5.00%, 6/15/20   | 2,895        | 3,177,581    |
| City of Philadelphia Pennsylvania,<br>Refunding RB, Series B, AMT (AGM),<br>5.00%, 6/15/19                              | 3,905        | 4,322,484    |
| City of Pittsburgh Pennsylvania, GO,<br>Series C (AGM), 5.25%, 9/01/18  | 6,430        | 7,226,548    |
| City of Pittsburgh Pennsylvania, GO,<br>Refunding, Series B (AGM), 5.25%,<br>9/01/17                                    | 9,630        | 10,930,917   |
| County of Allegheny Pennsylvania, GO,<br>Series C-67:<br>5.00%, 11/01/25  | 2,700        | 3,094,956    |
| 5.00%, 11/01/26   | 2,375        | 2,699,947    |
| County of Allegheny Pennsylvania,<br>Refunding GO, Series C-68, 5.00%,<br>11/01/25                                      | 2,515        | 2,882,894    |
| Montgomery County IDA Pennsylvania,<br>MRB, Whitemarsh Continuing Care,<br>6.00%, 2/01/21                               | 3,500        | 3,585,435    |
| Pennsylvania Economic Development<br>Financing Authority, RB, National<br>Gypsum Co., Series A, AMT, 6.25%,<br>11/01/27 | 7,710        | 7,582,785    |
| Pennsylvania Turnpike Commission, RB,<br>Sub-Series B, 5.25%, 12/01/31  | 4,000        | 4,642,920    |



## Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)  
(Percentages shown are based on Net Assets)

|  | Par<br>(000) | Value        |
|--|--------------|--------------|
| <b>Municipal Bonds</b>   |              |              |
| <b>Pennsylvania (concluded)</b>  |              |              |
| South Fork Municipal Authority,<br>Refunding RB, Conemaugh Valley<br>Memorial, Series A (AGC), 6.00%,<br>7/01/26       | \$ 6,225     | \$ 7,385,029 |
|  |              | 57,531,496   |
| <b>Puerto Rico 5.1%</b>  |              |              |
| Puerto Rico Aqueduct & Sewer Authority,<br>Refunding RB, Senior Lien, Series A<br>(AGC), 5.00%, 7/01/25                | 3,215        | 3,514,638    |
| Puerto Rico Electric Power Authority, RB,<br>Series TT, 5.00%, 7/01/27   | 6,500        | 6,894,485    |
| Puerto Rico Highway & Transportation<br>Authority, RB, Series Y (AGM), 6.25%,<br>7/01/21                               | 3,000        | 3,621,510    |
| Puerto Rico Highway & Transportation<br>Authority, Refunding RB, Series AA-1<br>(AGM), 4.95%, 7/01/26                  | 885          | 963,455      |
| Puerto Rico Housing Finance Authority,<br>Refunding RB, Subordinate, Capital<br>Fund Modernization, 5.13%,<br>12/01/27 | 9,450        | 10,474,663   |
| Puerto Rico Sales Tax Financing Corp.,<br>RB, First Sub-Series A:<br>5.63%, 8/01/30                                    | 1,925        | 2,038,691    |
| 6.00%, 8/01/42   | 650          | 735,040      |
| Puerto Rico Sales Tax Financing Corp.,<br>Refunding RB, Series C, 5.25%,<br>8/01/40                                    | 3,800        | 4,219,748    |
|  |              | 32,462,230   |
| <b>Rhode Island 0.8%</b>   |              |              |
| Rhode Island Health & Educational<br>Building Corp., RB:<br>Providence College, 5.00%,<br>11/01/34                     | 1,750        | 1,973,510    |
| University of Rhode Island, Series A,<br>(AGC), 4.75%, 9/15/24   | 2,500        | 2,835,525    |
|  |              | 4,809,035    |
| <b>South Carolina 0.2%</b>   |              |              |
| County of Florence South Carolina,<br>Refunding RB, McLeod Regional<br>Medical Center, Series A, 4.50%,<br>11/01/25    | 1,000        | 1,095,080    |
| <b>South Dakota 0.2%</b>   |              |              |
| South Dakota Health & Educational<br>Facilities Authority, Refunding RB,<br>Regional Health, 5.00%, 9/01/25            | 1,000        | 1,116,490    |
| <b>Tennessee 2.6%</b>  |              |              |
| Chattanooga-Hamilton County Hospital<br>Authority Tennessee, Refunding RB,<br>Erlanger Health (AGM), 5.00%,            | 1,620        | 1,875,312    |

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10/01/22

|   | Par<br>(000) | Value        |
|---|--------------|--------------|
| <b>Municipal Bonds</b>  |              |              |
| <b>Tennessee (concluded)</b>  |              |              |
| Johnson City Health & Educational Facilities Board, RB, Appalachian Christian Village Project, Series A, 6.00%, 2/15/19         | \$ 1,360     | \$ 1,361,360 |
| Knox County Health Educational & Housing Facilities Board Tennessee, Refunding RB, Eastowne Village Project, 4.00%, 6/01/31 (a) | 3,810        | 4,183,151    |
| Memphis-Shelby County Sports Authority Inc., Refunding RB:  |              |              |
| Memphis Arena Project, Series A, 5.00%, 11/01/23  | 2,695        | 3,080,897    |
| Memphis Arena Project, Series B, 5.00%, 11/01/22  | 1,000        | 1,147,150    |
| Shelby County Health Educational & Housing Facilities Board, RB, Germantown Village, Series A:                                  |              |              |
| 6.75%, 12/01/18   | 3,550        | 3,603,889    |
| 7.00%, 12/01/23   | 1,450        | 1,468,517    |
|   |              | 16,720,276   |
| <b>Texas 4.2%</b>   |              |              |
| City of Houston Texas, Refunding ARB, Subordinate Lien, Series A, AMT:  |              |              |
| 5.00%, 7/01/25  | 1,500        | 1,703,610    |
| 5.00%, 7/01/32  | 1,010        | 1,115,484    |
| Dallas-Fort Worth International Airport Facilities Improvement Corp., RB, Series 2001-A-1, AMT, 6.15%, 1/01/16                  | 4,000        | 4,007,040    |
| Frisco ISD, GO, Refunding, (PSF-GTD), 4.25%, 8/15/28  | 5,500        | 6,244,810    |
| Grand Prairie ISD, GO, Refunding, 4.00%, 2/15/26  | 1,500        | 1,692,015    |
| Gulf Coast IDA, RB, Citgo Petroleum Corp. Project, Mandatory Put Bonds, AMT, 7.50%, 5/01/25 (a)                                 | 2,440        | 2,451,395    |
| Love Field Airport Modernization Corp., RB, Southwest Airlines Co. Project, AMT, 5.00%, 11/01/28                                | 2,000        | 2,147,540    |
| San Jacinto River Authority, RB, Special Project, 5.25%, 10/01/25   | 2,910        | 3,367,889    |
| Socorro ISD, GO, Refunding:   |              |              |
| 5.00%, 8/15/30  | 1,000        | 1,175,460    |
| 5.00%, 8/15/32  | 2,500        | 2,911,025    |
|   |              | 26,816,268   |
| <b>Vermont 0.3%</b>   |              |              |
| Vermont Educational & Health Buildings Financing Agency, Refunding RB, Middlebury College Project, 5.00%, 11/01/32              | 1,680        | 2,005,618    |



## Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)  
(Percentages shown are based on Net Assets)

|  | Par<br>(000) | Value        |
|--|--------------|--------------|
| <b>Municipal Bonds</b>   |              |              |
| <b>Virginia 2.9%</b>   |              |              |
| James City County EDA, Refunding RB,<br>First Mortgage, Williamsburg Lodge,<br>Series A:   |              |              |
| 5.75%, 3/01/17   | \$ 3,285     | \$ 3,317,784 |
| 6.00%, 3/01/23   | 1,150        | 1,158,843    |
| Roanoke EDA, Refunding RB, Carilion<br>Health System, Series B (AGM):  |              |              |
| 5.00%, 7/01/20 (c)   | 50           | 63,229       |
| 5.00%, 7/01/38   | 3,155        | 3,454,536    |
| Tobacco Settlement Financing Corp.<br>Virginia, RB, Asset-Backed, 5.63%,<br>6/01/15 (c)  | 7,800        | 8,942,934    |
| Virginia Small Business Financing<br>Authority, RB, Senior Lien, Express<br>Lanes LLC, 5.00%, 7/01/34                                | 1,560        | 1,656,190    |
|  |              | 18,593,516   |
| <b>West Virginia 2.7%</b>  |              |              |
| West Virginia Hospital Finance Authority,<br>Refunding RB, Charleston, Series A,<br>5.13%, 9/01/23                                   | 4,000        | 4,377,480    |
| West Virginia University, RB, Board of<br>Governors University Improvement,<br>Series B:   |              |              |
| 5.00%, 10/01/29  | 7,520        | 8,815,921    |
| 5.00%, 10/01/30  | 3,500        | 4,081,665    |
|  |              | 17,275,066   |
| <b>Wisconsin 2.1%</b>  |              |              |
| State of Wisconsin, GO, Series C, 4.50%,<br>5/01/30  | 6,120        | 6,932,369    |
| Wisconsin Health & Educational<br>Facilities Authority, Refunding RB,<br>Aurora Health Care Inc., Series A,<br>(AGM), 5.00%, 7/15/27 | 3,770        | 4,243,135    |
| Wisconsin Housing & EDA, RB, Series C,<br>AMT, 4.85%, 9/01/26  | 2,000        | 2,086,720    |
|  |              | 13,262,224   |
| <b>Total Municipal Bonds 130.7%</b>  |              | 830,337,683  |
| <b>Municipal Bonds Transferred to<br/>Tender Option Bond (TOB) Trusts (f)</b>  |              |              |
| <b>California 3.3%</b>   |              |              |
| Peralta Community College District, GO,<br>Election of 2000, Series D (AGM),<br>5.00%, 8/01/30                                       | 10,140       | 10,713,113   |
| Sequoia Union High School District<br>California, GO, Refunding, Election of<br>2004, Series B (AGM), 5.50%,<br>7/01/35              | 9,028        | 9,880,900    |
|  |              | 20,594,013   |

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| Municipal Bonds Transferred to<br>Tender Option Bond (TOB) Trusts (f)  | Par<br>(000) | Value        |
|--|--------------|--------------|
| <b>Illinois 3.8%</b>   |              |              |
| Du Page & Will Counties Community<br>School District No. 204 Indian, GO,<br>School Building, Series A (NPFGC),<br>5.25%, 12/30/22        | \$ 8,650     | \$ 9,925,081 |
| McHenry County Conservation District<br>Illinois, GO (AGM), 5.13%, 2/01/27   | 12,695       | 13,969,689   |
|  |              | 23,894,770   |
| <b>Louisiana 1.7%</b>  |              |              |
| State of Louisiana Gas & Fuels,<br>Refunding RB, Series A-1, 4.00%,<br>5/01/34   | 10,000       | 10,656,500   |
| <b>Massachusetts 3.3%</b>  |              |              |
| Massachusetts Development Finance<br>Agency, Refunding RB, Partners<br>Healthcare, Series L, 5.00%, 7/01/31                              | 10,175       | 11,722,091   |
| Massachusetts School Building<br>Authority, RB, Series A (AGM), 5.00%,<br>8/15/30  | 8,338        | 9,228,447    |
|  |              | 20,950,538   |
| <b>Minnesota 1.8%</b>  |              |              |
| State of Minnesota, GO, State Various<br>Purpose, Series A, 4.00%, 8/01/29   | 10,525       | 11,687,458   |
| <b>New Jersey 1.9%</b>   |              |              |
| New Jersey Transportation Trust Fund<br>Authority, RB, Transportation System,<br>Series D (AGM), 5.00%, 6/15/19                          | 11,120       | 12,319,959   |
| <b>New York 11.4%</b>  |              |              |
| City of New York New York, GO:<br>Sub-Series B-1, 5.25%,<br>9/01/22  | 8,250        | 10,128,360   |
| Sub-Series I-1, 5.50%,<br>4/01/21  | 4,992        | 6,287,100    |
| City of New York New York, Refunding<br>GO, Series E, 5.00%, 8/01/24   | 3,990        | 4,763,102    |
| New York City Municipal Water Finance<br>Authority, Refunding RB, Series A,<br>4.75%, 6/15/30  | 8,000        | 8,964,960    |
| New York State Urban Development<br>Corp., RB, State Personal Income Tax,<br>State Facilities, Series A-1 (NPFGC),<br>5.25%, 3/15/14 (c) | 10,000       | 10,806,200   |
| New York State Urban Development<br>Corp., Refunding RB, Service Contract,<br>Series B, 5.00%, 1/01/21                                   | 8,003        | 9,562,731    |
| Port Authority of New York & New Jersey,<br>RB, Consolidated, 169th Series, AMT,<br>5.00%, 10/15/26                                      | 5,530        | 6,442,671    |
| Sales Tax Asset Receivable Corp.,<br>Refunding RB, Series A (AMBAC),<br>5.25%, 10/15/27  | 11,101       | 12,167,276   |

## Schedule of Investments (continued)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)  
(Percentages shown are based on Net Assets)

|  | Par<br>(000)  | Value          |
|--|---------------|----------------|
| <b>Municipal Bonds Transferred to<br/>Tender Option Bond (TOB) Trusts (f)</b>  |               |                |
| <b>New York (concluded)</b>  |               |                |
| Suffolk County Water Authority,<br>Refunding RB, 3.00%, 6/01/25  | \$ 3,242      | \$ 3,381,428   |
|  |               | 72,503,828     |
| <b>Washington 1.8%</b>   |               |                |
| Snohomish County School District No.<br>15 - Edmonds Washington, GO,<br>(NPFGC), 5.00%, 6/01/16 (c)  | 10,000        | 11,518,400     |
| <b>Total Municipal Bonds Transferred to<br/>Tender Option Bond (TOB) Trusts 29.0%</b>  |               | 184,125,466    |
| <b>Total Long-Term Investments<br/>(Cost \$928,395,333) 159.7%</b>   |               | 1,014,463,149  |
| <b>Short-Term Securities</b>   |               |                |
| <b>Connecticut 1.1%</b>  |               |                |
| Connecticut Housing Finance Authority,<br>Refunding RB, VRDN, Housing<br>Mortgage Finance Program, Sub-<br>Series A-2, 0.17%, 8/01/12 (i)                      | 7,000         | 7,000,000      |
| <b>Virginia 1.5%</b>   |               |                |
| Roanoke Economic Development<br>Authority, RB, VRDN, Carilion Health<br>System, Series A-2 (AGM Insurance,<br>Wells Fargo Bank NA SBPA), 0.17%,<br>8/01/12 (i) | 9,450         | 9,450,000      |
|  | <b>Shares</b> |                |
| <b>Money Market Funds 0.00%</b>  |               |                |
| FFI Institutional Tax-Exempt Fund,<br>0.01%, 8/01/12 (g)(h)  | 53,165        | 53,165         |
| <b>Total Short-Term Securities<br/>(Cost \$16,503,165) 2.6%</b>  |               | 16,503,165     |
| <b>Total Investments (Cost - \$944,898,498*) 162.3%</b>  |               | 1,030,966,314  |
| <b>Liabilities in Excess of Other Assets (1.7)%</b>  |               | (10,852,980)   |
| <b>Liability for TOB Trust Certificates, Including Interest<br/>Expense and Fees Payable (15.4)%</b>   |               | (97,654,541)   |
| <b>VRDP Shares, at Liquidation Value (45.2)%</b>   |               | (287,100,000)  |
| <b>Net Assets Applicable to Common Shares 100.0%</b>   |               | \$ 635,358,793 |

\* As of July 31, 2012, gross unrealized appreciation and gross unrealized depreciation based on cost for federal income tax purposes were as follows:

|                               |                |
|-------------------------------|----------------|
| Tax Cost                      | \$ 847,407,866 |
| Gross unrealized appreciation | \$ 86,952,835  |
| Gross unrealized depreciation | (983,844)      |
| Net unrealized appreciation   | \$ 85,968,991  |



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- (a) Variable rate security. Rate shown is as of report date.
- (b) When-issued security. Unsettled when-issued transactions were as follows:

| Counterparty          | Value        | Unrealized<br>Appreciation<br>(Depreciation) |
|-----------------------|--------------|--|
| Barclays Plc          | \$ 7,442,450 | \$ (15,649)                                  |
| First Southwest Co.   | \$ 2,062,980 | \$ 49,700                                    |
| JPMorgan Chase & Co.  | \$ 5,131,530 | \$ 40,680                                    |
| Stifel Nicolaus & Co. | \$ 2,033,925 | \$ (4,032)                                   |

- (c) US government securities, held in escrow, are used to pay interest on this security, as well as to retire the bond in full at the date indicated, typically at a premium to par.
- (d) Security is collateralized by Municipal or US Treasury obligations.
- (e) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (f) Securities represent bonds transferred to a TOB in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction.
- (g) Investments in companies considered to be an affiliate of the Fund during the period, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

| Affiliate                         | Shares<br>Held at<br>April 30,<br>2012 | Net<br>Activity | Shares<br>Held at<br>July 31,<br>2012 | Income |
|-----------------------------------|--|-----------------|---------------------------------------|--------|
| FFI Institutional Tax-Exempt Fund | 3,601,217                              | (3,548,052)     | 53,165                                | \$ 6   |

- (h) Represents the current yield as of report date.
- (i) Variable rate security. Rate shown is as of report date and maturity shown is the date the principal owed can be recovered through demand.

Schedule of Investments July 31, 2012 (Unaudited)

**BlackRock Muni Intermediate Duration Fund, Inc. (MUI)**  
 (Percentages shown are based on Net Assets)

Portfolio Abbreviations

To simplify the listings of portfolio holdings in the Schedule of Investments, the names and descriptions of many of the securities have been abbreviated according to the following list:

|         |   |
|---------|---|
| AGC     | Assured Guaranty Corp.                  |
| AGM     | Assured Guaranty Municipal Corp.        |
| AMBAC   | American Municipal Bond Assurance Corp. |
| AMT     | Alternative Minimum Tax (subject to)    |
| ARB     | Airport Revenue Bonds                   |
| BHAC    | Berkshire Hathaway Assurance Corp.      |
| CAB     | Capital Appreciation Bonds              |
| COP     | Certificates of Participation           |
| EDA     | Economic Development Authority          |
| EDC     | Economic Development Corp.              |
| ERB     | Education Revenue Bonds                 |
| GARB    | General Airport Revenue Bonds           |
| GO      | General Obligation Bonds                |
| HFA     | Housing Finance Agency                  |
| IDA     | Industrial Development Authority        |
| ISD     | Independent School District             |
| LRB     | Lease Revenue Bonds                     |
| MRB     | Mortgage Revenue Bonds                  |
| NPFGC   | National Public Finance Guarantee Corp. |
| PSF-GTD | Permanent School Fund Guaranteed        |
| Q-SBLF  | Qualified School Bond Loan Fund         |
| RB      | Revenue Bonds                           |
| SBPA    | Stand-by Bond Purchase Agreements       |
| S/F     | Single-Family                           |
| VRDN    | Variable Rate Demand Notes              |

Fair Value Measurements - Various inputs are used in determining the fair value of investments. These inputs to valuation techniques are categorized into a disclosure hierarchy consisting of three broad levels for financial reporting purposes as follows:

Level 1 unadjusted price quotations in active markets/exchanges for identical assets and liabilities

Level 2 other observable inputs (including, but not limited to: quoted prices for similar assets or liabilities in markets that are active, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable for the assets or liabilities (such as interest rates, yield curves, volatilities, prepayment speeds, loss severities, credit risks and default rates) or other market-corroborated inputs)

Level 3 unobservable inputs based on the best information available in the circumstances, to the extent observable inputs are not available (including the Fund's own assumptions used in determining the fair value of investments)

Changes in valuation techniques may result in transfers into or out of an assigned level within the disclosure hierarchy. In accordance with the Fund's policy, transfers between different levels of the fair value disclosure hierarchy are deemed to have occurred as of the beginning of the reporting period. The categorization of a value determined for investments is based on the pricing transparency of the investment and is not necessarily an indication of the risks associated with investing in those securities. For information about the Fund's policy regarding valuation of investments and other significant accounting policies, please refer to the Fund's most recent financial statements as contained in its annual report.

The following table summarizes the Fund's investments categorized in the disclosure hierarchy as of July 31, 2012:

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|                                    | Level 1   | Level 2          | Level 3 | Total            |
|------------------------------------|-----------|------------------|---------|------------------|
| <b>Assets:</b>                     |           |                  |         |                  |
| Investments:                       |           |                  |         |                  |
| Long-Term Investments <sup>1</sup> |           | \$ 1,014,463,149 |         | \$ 1,014,463,149 |
| Short-Term Securities              | \$ 53,165 | 16,450,000       |         | 16,503,165       |
| <b>Total</b>                       | \$ 53,165 | \$ 1,030,913,149 |         | \$ 1,030,966,314 |

<sup>1</sup> See above Schedule of Investments for values in each state or political subdivision.

Certain of the Fund's liabilities are held at carrying amount, which approximates fair value for financial reporting purposes. As of July 31, 2012, such liabilities are categorized within the disclosure hierarchy as follows:

|                        | Level 1 | Level 2          | Level 3 | Total            |
|------------------------|---------|------------------|---------|------------------|
| <b>Liabilities:</b>    |         |                  |         |                  |
| TOB trust certificates |         | \$ (97,589,457)  |         | \$ (97,589,457)  |
| VRDP Shares            |         | (287,100,000)    |         | (287,100,000)    |
| <b>Total</b>           |         | \$ (384,689,457) |         | \$ (384,689,457) |

There were no transfers between levels during the period ended July 31, 2012.

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JULY 31, 2012

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Item 2 – Controls and Procedures

2(a) – The registrant’s principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant’s disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the “1940 Act”)) are effective as of a date within 90 days of the filing of this report based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended.

2(b) – There were no changes in the registrant’s internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant’s last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant’s internal control over financial reporting.

Item 3 – Exhibits

Certifications – Attached hereto

Pursuant to the requirements of the Securities Exchange Act of 1934 and 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 Muni Intermediate Duration Fund, Inc.

By: /s/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer (principal executive officer) of  
BlackRock Muni Intermediate Duration Fund, Inc.

Date: September 25, 2012

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /s/ John M. Perlowski  
John M. Perlowski  
Chief Executive Officer (principal executive officer) of  
BlackRock Muni Intermediate Duration Fund, Inc.

Date: September 25, 2012

By: /s/ Neal J. Andrews  
Neal J. Andrews  
Chief Financial Officer (principal financial officer) of  
BlackRock Muni Intermediate Duration Fund, Inc.

Date: September 25, 2012

