

BLACKROCK MUNI INTERMEDIATE DURATION FUND INC

Form N-Q

March 29, 2011

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 52nd Street, New York, NY 10055

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

Date of fiscal year end: 04/30/2011

Date of reporting period: 01/31/2011

Item 1 Schedule of Investments

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Schedule of Investments January 31, 2011 (Unaudited)

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

| Municipal Bonds | Par (000) | Value |
|---|--------------|--------------|
| Alabama 3.0% | | |
| Birmingham Special Care Facilities Financing Authority, RB, Children s Hospital (AGC), 6.00%, 6/01/34 | \$ 4,615 | \$ 4,785,893 |
| County of Jefferson Alabama, RB, Series A: | | |
| 5.50%, 1/01/21 | 5,500 | 5,159,550 |
| 5.25%, 1/01/23 | 6,500 | 5,844,345 |
| | | 15,789,788 |
| Arizona 4.9% | | |
| City of Tucson Arizona, COP (AGC): | | |
| 4.25%, 7/01/21 | 1,870 | 1,853,637 |
| 4.25%, 7/01/22 | 1,895 | 1,849,690 |
| 4.50%, 7/01/24 | 2,120 | 2,055,510 |
| Refunding, 4.00%, 7/01/20 | 2,325 | 2,296,193 |
| Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.63%, 7/01/20 | 2,610 | 1,989,446 |
| Pima County IDA, RB: Arizona Charter Schools Project, Series C, 6.70%, 7/01/21 | 965 | 942,651 |
| Charter Schools, Series K, 6.38%, 7/01/31 | 930 | 816,624 |
| Pima County IDA, Refunding RB, Tucson Electric Power Co., San Juan, Series A, 4.95%, 10/01/20 | 2,325 | 2,229,931 |
| Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00%, 1/01/25 | 4,000 | 4,136,800 |
| Scottsdale IDA, RB, Scottsdale Healthcare, Series C (AGC), 5.00%, 9/01/35 | 7,710 | 7,057,657 |
| State of Arizona, COP, Department of Administration, Series A (AGM), 4.25%, 10/01/23 | 1,250 | 1,152,775 |
| | | 26,380,914 |

| Municipal Bonds | Par (000) | Value |
|--|--------------|--------------|
| California 17.8% | | |
| Antelope Valley Healthcare District California, RB, Series A, 5.25%, 9/01/17 | \$ 8,000 | \$ 7,539,360 |

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| | | |
|---|--------|------------|
| California Health Facilities Financing Authority, Refunding RB, Sutter Health, Series B, 5.00%, 8/15/22 (a) | 2,135 | 2,112,476 |
| California HFA, RB, Home Mortgage, Series K, AMT, 4.55%, 8/01/21 | 3,805 | 3,291,439 |
| California HFA, Refunding RB, Home Mortgage, Series M, AMT, 4.55%, 8/01/21 | 7,210 | 6,546,175 |
| California Pollution Control Financing Authority, RB, AMT: Republic Services Inc. Project, Series B, Mandatory Put Bonds, 5.25%, 6/01/23 (b) | 605 | 607,196 |
| Waste Management Inc. Project, Series A-2, 5.40%, 4/01/25 | 1,240 | 1,230,092 |
| California Pollution Control Financing Authority, Refunding RB, Pacific Gas, Series C, AMT (FGIC), 4.75%, 12/01/23 | 9,035 | 8,514,042 |
| California State Public Works Board, RB, Department of Corrections, Series C, 5.50%, 6/01/20 | 10,000 | 10,099,100 |
| California Statewide Communities Development Authority, RB, Health Facility, Memorial Health Services, Series A, 6.00%, 10/01/23 | 2,500 | 2,574,850 |
| City of Sacramento California, Special Tax Bonds, North Natomas Community Facilities, Series 4-C: 5.75%, 9/01/22 | 1,715 | 1,636,796 |
| 6.00%, 9/01/28 | 2,990 | 2,723,771 |
| Golden State Tobacco Securitization Corp. California, Refunding RB, Asset-Backed, Senior Series A-1, 5.00%, 6/01/15 | 5,000 | 5,036,450 |

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. |
| FGIC | Financial Guaranty Insurance Co. |
| FHA | Federal Housing Administration |
| GARB | General Airport Revenue Bonds |
| GO | General Obligation Bonds |
| HFA | Housing Finance Agency |
| IDA | Industrial Development Authority |

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| | |
|-------|---|
| LRB | Lease Revenue Bonds |
| MRB | Mortgage Revenue Bonds |
| NPFGC | National Public Finance Guarantee Corp. |
| RB | Revenue Bonds |
| S/F | Single-Family |
| TIF | Tax Increment Financing |

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2011

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Schedule of Investments (continued)

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

| Municipal Bonds | Par (000) | Value |
|--|--------------|--------------|
| California (concluded) | | |
| Los Angeles Regional Airports Improvement Corp. California, Refunding RB, Facilities, LAXFUEL Corp., LA International, AMT (AMBAC), 5.50%, 1/01/32 | \$ 1,435 | \$ 1,330,747 |
| Rowland Unified School District California, GO, Election of 2000, Series B (AGM), 5.25%, 8/01/27 | 1,515 | 1,520,969 |
| State of California, GO: 5.50%, 4/01/14 (c) | 14,795 | 16,817,773 |
| 5.50%, 4/01/28 | 15 | 14,917 |
| (NPFGC), 5.25%, 2/01/27 | 5,000 | 4,878,500 |
| Refunding (AMBAC), 4.50%, 8/01/28 | 3,000 | 2,580,750 |
| Various Purpose, 5.25%, 10/01/21 | 2,550 | 2,651,490 |
| Various Purpose, 5.13%, 11/01/24 | 2,030 | 2,015,607 |
| Various Purpose, 5.75%, 4/01/31 | 7,000 | 6,982,780 |
| Various Purpose, 5.00%, 11/01/32 | 2,000 | 1,801,220 |
| Tustin Unified School District California, Special Tax Bonds, Senior Lien, Community Facilities District 97-1, Series A (AGM), 5.00%, 9/01/32 | 2,610 | 2,469,164 |
| | | 94,975,664 |
| Colorado 2.0% | | |
| Montrose Memorial Hospital, RB, 6.38%, 12/01/23 | 2,250 | 2,237,107 |
| Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Public Improvement Fee, Tax Increment, 7.50%, 12/01/15 | 7,500 | 7,395,150 |
| Southlands Metropolitan District No. 1, GO, 6.75%, 12/01/14 (c) | 840 | 959,910 |
| | | 10,592,167 |
| Connecticut 0.2% | | |
| Connecticut State Development Authority, RB, Learjet Inc. Project, AMT, 7.95%, 4/01/26 | 1,160 | 1,200,565 |
| Florida 4.4% | | |
| County of Miami-Dade Florida, Refunding RB, Series C (BHAC), 5.00%, 10/01/23 | 8,000 | 8,309,040 |

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| | | |
|--|-------|-----------|
| Harbor Bay Community Development District Florida, Special Assessment Bonds, 6.75%, 5/01/34 | 2,770 | 2,006,422 |
| Highlands County Health Facilities Authority, Refunding RB, Adventist Health, Series G, 5.13%, 11/15/16 (c) | 35 | 40,825 |
| Midtown Miami Community Development District, Special Assessment Bonds: | | |
| Series A, 6.00%, 5/01/24 | 3,190 | 2,953,302 |
| Series B, 6.50%, 5/01/37 | 1,925 | 1,741,740 |
| Panther Trace II Community Development District, Special Assessment Bonds, Special Assessment, 5.13%, 11/01/13 | 1,820 | 1,601,673 |

| Municipal Bonds | Par (000) | Value |
|-----------------|--------------|-------|
|-----------------|--------------|-------|

Florida (concluded)

| | | |
|---|----------|------------|
| Portofino Shores Community Development District, Special Assessment Bonds, Series A, 6.40%, 5/01/34 | \$ 1,085 | \$ 995,552 |
| South Lake County Hospital District, RB, South Lake Hospital Inc., 6.63%, 10/01/23 | 2,390 | 2,423,699 |
| Sterling Hill Community Development District, Special Assessment Bonds, Refunding, Series B, 5.50%, 11/01/10 (d)(e) | 160 | 111,872 |
| University of Florida Research Foundation Inc., RB (AMBAC), 5.13%, 9/01/33 | 4,000 | 3,320,240 |
| | | 23,504,365 |

Georgia 1.3%

| | | |
|--|-------|-----------|
| Fulton County Development Authority, Refunding RB, Robert Woodruff, Series B, 5.25%, 3/15/24 | 4,000 | 4,030,240 |
| Medical Center Hospital Authority, Refunding RB, Columbus Regional Healthcare (AGM): | | |
| 4.00%, 8/01/23 | 1,500 | 1,376,370 |
| 4.13%, 8/01/24 | 2,000 | 1,805,560 |
| | | 7,212,170 |

Guam 0.8%

| | | |
|--|-------|-----------|
| Territory of Guam, GO, Series A, 6.00%, 11/15/19 | 1,530 | 1,558,060 |
| Territory of Guam, RB, Section 30, Series A, 5.38%, 12/01/24 | 2,620 | 2,551,749 |
| | | 4,109,809 |

Idaho 0.6%

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| | | |
|---|--------|------------|
| Idaho Health Facilities Authority, RB, St. Luke's Regional Medical Center (AGM), 4.63%, 7/01/30 | 3,700 | 3,251,375 |
| Illinois 11.5% | | |
| City of Chicago Illinois, ARB, General, Third Lien, Series B-2, AMT: (AGM), 5.75%, 1/01/23 | 8,130 | 8,242,600 |
| (Syncora), 6.00%, 1/01/29 | 7,510 | 7,531,404 |
| City of Chicago Illinois, Refunding ARB, General, Third Lien, Series A-2, AMT (AGM), 5.75%, 1/01/19 | 2,550 | 2,644,580 |
| Du Page & Will Counties Community School District No. 204 Indian, GO, School Building, Series A (NPFGC), 5.25%, 12/30/22 | 8,650 | 9,150,921 |
| Du Page County Forest Preservation District Illinois, GO, Refunding, Series A, 3.50%, 11/01/24 | 3,000 | 2,681,910 |
| Illinois Finance Authority, RB, Community Rehabilitation Providers Facilities, Series A, 6.63%, 7/01/12 (c) | 6,930 | 6,094,727 |
| Railsplitter Tobacco Settlement Authority, RB: 5.50%, 6/01/23 | 3,500 | 3,313,695 |
| 6.25%, 6/01/24 | 12,750 | 12,737,250 |

Schedule of Investments (continued)

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

| Municipal Bonds | Par (000) | Value |
|---|--------------|-------------------|
| Illinois (concluded) | | |
| State of Illinois, GO, First Series (NPFGC), 5.13%, 2/01/20 | \$ 1,335 | \$ 1,318,633 |
| Village of Hodgkins Illinois, RB, MBM Project, AMT, 5.90%, 11/01/17 | 6,000 | 5,999,520 |
| Village of Wheeling Illinois, Tax Allocation Bonds, North Milwaukee/Lake-Cook TIF Project, 6.00%, 1/01/25 | 1,525 | 1,340,124 |
| | | <u>61,055,364</u> |
| Indiana 0.4% | | |
| County of Jasper Indiana, Refunding RB, Northern Indiana Public Service Co., Series C (NPFGC), 5.85%, 4/01/19 | 2,000 | 2,156,320 |
| Iowa 0.6% | | |
| Iowa Higher Education Loan Authority, Refunding RB, Private College Facility: 5.00%, 9/01/20 | 1,000 | 1,012,880 |
| 5.00%, 9/01/22 | 2,315 | 2,291,456 |
| | | <u>3,304,336</u> |
| Kansas 1.5% | | |
| City of Dodge City Kansas, RB (AGC), 4.00%, 6/01/24 | 2,245 | 2,130,662 |
| Kansas Development Finance Authority, Refunding RB: Adventist Health, 5.00%, 11/15/23 | 1,500 | 1,557,165 |
| Adventist/Sunbelt, Series D, 5.00%, 11/15/24 | 1,000 | 1,024,200 |
| Sisters of Leavenworth, Series A, 4.00%, 1/01/22 | 3,425 | 3,241,626 |
| | | <u>7,953,653</u> |
| Kentucky 3.1% | | |
| Kentucky Economic Development Finance Authority, Refunding RB, Owensboro Medical Health System, Series A, 5.25%, 6/01/23 | 8,650 | 8,103,839 |
| Kentucky State Property & Buildings Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/24 | 8,000 | 8,339,360 |

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| | | |
|---|-------|------------|
| | | 16,443,199 |
| Louisiana 3.0% | | |
| Louisiana Public Facilities Authority, RB (NPFGC): | | |
| Nineteenth Judicial District Court, 5.50%, 6/01/41 | 2,000 | 1,956,520 |
| University of New Orleans Research & Technology, 5.25%, 3/01/26 | 5,000 | 4,984,300 |
| Louisiana Public Facilities Authority, Refunding RB, Entergy Gulf States Louisiana, LLC Project, Series A, 5.00%, 9/01/28 | 5,000 | 4,562,450 |
| New Orleans Aviation Board Louisiana, Refunding GARB, Restructuring, Series A-2 (AGC), 6.00%, 1/01/23 | 850 | 921,723 |
| Port of New Orleans Louisiana, Refunding RB, Continental Grain Co. Project, 6.50%, 1/01/17 | 3,500 | 3,372,775 |
| | | 15,797,768 |

| Municipal Bonds | Par (000) | Value |
|--|--------------|--------------|
| Maine 0.3% | | |
| Portland New Public Housing Authority Maine, Refunding RB, Senior Living, Series A, 6.00%, 2/01/34 | \$ 1,965 | \$ 1,783,473 |
| Maryland 0.5% | | |
| Maryland EDC, RB, Transportation Facilities Project, Series A, 5.13%, 6/01/20 | 1,750 | 1,722,490 |
| Maryland EDC, Refunding RB, CNX Marine Terminals, Inc., 5.75%, 9/01/25 | 790 | 735,364 |
| Maryland Industrial Development Financing Authority, RB, Our Lady of Good Counsel School, Series A, 6.00%, 5/01/35 | 500 | 460,505 |
| | | 2,918,359 |
| Massachusetts 0.8% | | |
| Massachusetts Development Finance Agency, RB, Ogden Haverhill Project, Series B, AMT: 5.35%, 12/01/15 | 1,210 | 1,210,254 |
| 5.50%, 12/01/19 | 2,000 | 2,000,460 |
| Massachusetts Health & Educational Facilities Authority, RB, Winchester Hospital, 5.00%, 7/01/25 | 1,060 | 976,886 |
| | | 4,187,600 |

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Michigan 4.4%

| | | |
|---|-------|------------|
| City of Detroit Michigan, Refunding RB, Second Lien, Series C (BHAC), 5.75%, 7/01/26 | 4,235 | 4,376,619 |
| Kalamazoo Hospital Finance Authority, Refunding RB, Bronson Methodist Hospital, 4.25%, 5/15/25 | 2,120 | 1,849,064 |
| Michigan State Hospital Finance Authority, Refunding RB: Hospital, Henry Ford Health, 5.25%, 11/15/24 | 4,900 | 4,759,223 |
| Hospital, Oakwood Obligation Group, Series A, 6.00%, 4/01/22 | 4,795 | 4,853,163 |
| Wayne County Airport Authority, RB, Detroit Metropolitan Wayne County Airport, AMT (AGC), 4.75%, 12/01/18 | 7,665 | 7,650,130 |
| | | 23,488,199 |

Minnesota 1.5%

| | | |
|--|-------|-----------|
| City of St. Cloud Minnesota, RB, CentraCare Health System, Series A, 4.25%, 5/01/21 | 2,300 | 2,238,314 |
| Minneapolis & St. Paul Housing & Redevelopment Authority, RB, HealthPartners Obligation Group Project: 6.00%, 12/01/19 | 1,000 | 1,028,690 |
| 6.00%, 12/01/21 | 2,545 | 2,594,424 |
| Minnesota State Municipal Power Agency, RB, Series A, 5.25%, 10/01/24 | 2,000 | 2,042,940 |
| | | 7,904,368 |

Schedule of Investments (continued)

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

| Municipal Bonds | Par (000) | Value |
|--|--------------|------------------|
| Mississippi 1.7% | | |
| Mississippi Business Finance Corp., Refunding RB, System Energy Resource Inc. Project: | | |
| 5.88%, 4/01/22 | \$ 5,000 | \$ 4,864,450 |
| 5.90%, 5/01/22 | 4,410 | 4,296,531 |
| | | <u>9,160,981</u> |
| Missouri 1.4% | | |
| Missouri State Health & Educational Facilities Authority, RB, SSM Health Care, Series B, 4.25%, 6/01/25 | 8,125 | 7,389,687 |
| Montana 0.5% | | |
| Montana Facility Finance Authority, Refunding RB, Series B, 5.00%, 1/01/24 | 2,625 | 2,704,879 |
| Nebraska 1.5% | | |
| Douglas County Hospital Authority No. 2, RB, Health Facilities, Immanuel Obligation Group, 5.50%, 1/01/30 | 500 | 475,720 |
| Douglas County School District No. 17 Nebraska, GO, Refunding: | | |
| 2.00%, 6/15/24 | 4,390 | 3,305,758 |
| 2.00%, 6/15/25 | 4,480 | 3,253,600 |
| Lancaster County Hospital Authority No. 1, RB, Immanuel Obligation Group, 5.50%, 1/01/30 | 1,000 | 948,170 |
| | | <u>7,983,248</u> |
| Nevada 1.1% | | |
| County of Clark Nevada, Special Assessment Bonds, Special Improvement District No. 142, Local Improvement, 6.38%, 8/01/23 | 2,110 | 1,900,625 |
| County of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5.15%, 12/01/24 | 3,800 | 3,788,562 |
| | | <u>5,689,187</u> |
| New Jersey 12.0% | | |
| | 2,000 | 1,954,020 |

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| | | |
|---|--------|------------|
| Essex County Improvement Authority, RB, Newark Project, Series A (AGM), 5.00%, 11/01/20 | | |
| Garden State Preservation Trust, RB, Election of 2005, Series A (AGM): 5.80%, 11/01/21 | 3,635 | 4,107,841 |
| 5.80%, 11/01/23 | 5,050 | 5,660,393 |
| New Jersey EDA, RB: Cigarette Tax, 5.75%, 6/15/29 | 9,810 | 8,794,469 |
| Continental Airlines Inc. Project, AMT, 6.63%, 9/15/12 | 5,540 | 5,571,910 |
| Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33 | 17,900 | 17,598,206 |
| New Jersey EDA, Refunding RB: New Jersey American Water Co., Series E, AMT, 4.70%, 12/01/25 | 3,250 | 2,998,970 |
| School Facilities Construction, Series AA, 4.25%, 12/15/24 | 3,850 | 3,618,885 |
| New Jersey Health Care Facilities Financing Authority, Refunding RB, Hackensack University Medical, Series B (AGM), 4.00%, 1/01/24 | 635 | 574,186 |

| Municipal Bonds | Par (000) | Value |
|--|--------------|-------------------|
| New Jersey (concluded) | | |
| New Jersey Higher Education Assistance Authority, Refunding RB, Series 1A, 4.75%, 12/01/21 | \$ 2,400 | \$ 2,362,152 |
| New Jersey State Housing & Mortgage Finance Agency, RB, S/F Housing, Series X, AMT, 5.10%, 10/01/23 | 4,500 | 4,433,715 |
| New Jersey Transportation Trust Fund Authority, RB, CAB, Transportation System, Series C (AMBAC), 5.71%, 12/15/25 (f) | 9,450 | 3,817,233 |
| South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/23 | 1,375 | 1,389,946 |
| University of Medicine & Dentistry of New Jersey, RB, Series A (AMBAC), 5.50%, 12/01/23 | 1,000 | 1,007,010 |
| | | <u>63,888,936</u> |

| | | |
|---|-------|------------|
| New Mexico 2.0% | | |
| New Mexico Finance Authority, RB, Senior Lien, Series A (NPFGC), 5.13%, 6/15/14 (c) | 9,520 | 10,759,599 |

| | | |
|---|-------|-----------|
| New York 25.5% | | |
| City of New York New York, GO: Series D1, 5.13%, 12/01/26 | 4,615 | 4,701,208 |
| Sub-Series I-1, 5.50%, 4/01/21 | 5,000 | 5,509,800 |
| Dutchess County Industrial Development Agency New York, RB, St. Francis Hospital, Series B, 7.25%, 3/01/19 | 895 | 872,312 |

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|---|-------|-----------|
| Essex County Industrial Development Agency, Refunding RB, International Paper, Series A, AMT, 5.20%, 12/01/23 | 6,300 | 5,937,813 |
| Long Island Power Authority, Refunding RB, Series A, 5.50%, 4/01/24 | 1,475 | 1,532,363 |
| Metropolitan Transportation Authority, RB, Transportation, Series A, 5.00%, 11/15/25 | 1,980 | 1,959,467 |
| Metropolitan Transportation Authority, Refunding RB, Series B, 5.25%, 11/15/25 | 4,000 | 4,130,440 |
| New York City Industrial Development Agency, RB: Continental Airlines Inc. Project, Mandatory Put Bonds, AMT, 8.38%, 11/01/16 | 3,500 | 3,569,720 |
| Special Needs Facilities Pooled Program, Series C-1, 6.80%, 7/01/19 | 1,895 | 1,825,453 |
| New York City Industrial Development Agency, Refunding RB, New York Stock Exchange Project, Series A, 4.25%, 5/01/24 | 1,740 | 1,672,123 |
| New York City Transitional Finance Authority, RB: Fiscal 2007, Series S-1 (NPFGC), 5.00%, 7/15/24 | 500 | 512,240 |
| Fiscal 2009, Series S-3, 5.00%, 1/15/23 | 3,560 | 3,701,759 |

Schedule of Investments (continued)

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

| Municipal Bonds | Par (000) | Value |
|--|--------------|--------------|
| New York (continued) | | |
| 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 | \$ 2,808,990 |
| New York State Dormitory Authority, LRB, Municipal Health Facilities, Sub-Series 2-4, 5.00%, 1/15/27 | 6,900 | 6,729,501 |
| New York State Dormitory Authority, RB: Interagency Council Pooled, Series A-1, 4.25%, 7/01/25 | 405 | 371,308 |
| Mental Health Services Facilities Improvement, Series A (AGM), 5.00%, 2/15/22 | 4,000 | 4,163,680 |
| Mount Sinai School of Medicine, Series A (NPFGC), 5.15%, 7/01/24 | 1,000 | 979,200 |
| North Shore-Long Island Jewish Health System, Series A, 5.50%, 5/01/30 | 1,495 | 1,453,379 |
| NYU Hospital Center, Series A, 5.00%, 7/01/22 | 1,725 | 1,681,013 |
| NYU Hospital Center, Series A, 5.13%, 7/01/23 | 1,670 | 1,617,028 |
| The New School, 5.25%, 7/01/24 | 2,400 | 2,408,736 |
| The New School, 5.25%, 7/01/25 | 2,100 | 2,081,058 |
| University of Rochester, Series C, 4.00%, 7/01/24 | 625 | 600,769 |
| New York State Dormitory Authority, Refunding RB: Mount Sinai Hospital, Series A, 4.25%, 7/01/23 | 2,225 | 2,069,984 |
| North Shore-Long Island Jewish Health System, Series E, 5.00%, 5/01/22 | 650 | 651,385 |
| North Shore-Long Island Jewish Health System, Series E, 5.00%, 5/01/23 | 2,160 | 2,142,266 |
| Yeshiva University, 4.00%, 9/01/23 | 2,860 | 2,773,685 |
| Yeshiva University, 4.25%, 9/01/24 | 2,750 | 2,691,535 |
| New York State Environmental Facilities Corp., RB, Environment, Series A (FGIC), 5.25%, 12/15/14 (c) | 7,380 | 8,514,454 |
| New York State Urban Development Corp., Refunding RB, Service Contract, Series B, 5.00%, 1/01/21 | 8,000 | 8,461,440 |
| Port Authority of New York & New Jersey, RB, JFK International Air Terminal, 5.00%, 12/01/20 | 2,475 | 2,391,617 |

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| | | |
|--|--------|------------|
| Port Authority of New York & New Jersey, Refunding RB Consolidated: | | |
| 152nd Series, AMT, 5.00%, 11/01/23 | 2,500 | 2,460,925 |
| 153rd Series, 5.00%, 7/15/24 | 2,010 | 2,087,063 |
| Sales Tax Asset Receivable Corp., RB, Series A (NPFGC), 5.00%, 10/15/20 | 9,070 | 9,649,664 |
| Tobacco Settlement Financing Corp. New York, RB, Asset-Backed: | | |
| Series A-1 (AMBAC), 5.25%, 6/01/22 | 6,510 | 6,700,157 |
| Series B-1C, 5.50%, 6/01/21 | 7,000 | 7,364,140 |
| Series B-1C, 5.50%, 6/01/22 | 10,000 | 10,516,300 |

| Municipal Bonds | Par (000) | Value |
|---|--------------|--------------|
| New York (concluded) | | |
| Trust for Cultural Resources, RB, Carnegie Hall, Series A, 5.00%, 12/01/29 | \$ 3,750 | \$ 3,713,625 |
| United Nations Development Corp. New York, Refunding RB, Series A, 4.25%, 7/01/24 | 2,985 | 2,790,169 |
| | | 135,797,769 |

| | | |
|---|-------|-----------|
| North Carolina 0.8% | | |
| Gaston County Industrial Facilities & Pollution Control Financing Authority North Carolina, RB, Exempt Facilities, National Gypsum Co. Project, AMT, 5.75%, 8/01/35 | 3,105 | 2,313,567 |
| North Carolina Eastern Municipal Power Agency, Refunding RB, Series B, 5.00%, 1/01/26 | 1,925 | 1,841,031 |
| | | 4,154,598 |

| | | |
|---|-------|-----------|
| Northern Mariana Islands 0.9% | | |
| Commonwealth of the Northern Mariana Islands, GO, Series A: 6.75%, 10/01/13 (c) | 3,800 | 4,382,198 |
| 6.75%, 10/01/33 | 250 | 228,715 |
| | | 4,610,913 |

| | | |
|--|-------|------------|
| Pennsylvania 8.2% | | |
| City of Philadelphia Pennsylvania, RB, Series A, AMT (AGM), 5.00%, 6/15/20 | 2,895 | 2,919,666 |
| City of Philadelphia Pennsylvania, Refunding RB, Series B, AMT (AGM), 5.00%, 6/15/19 | 3,905 | 3,993,448 |
| City of Pittsburgh Pennsylvania, GO, Refunding, Series B (AGM), 5.25%, 9/01/17 | 9,630 | 10,309,204 |
| City of Pittsburgh Pennsylvania, GO, Series C (AGM), 5.25%, 9/01/18 | 6,430 | 6,785,579 |
| | 3,500 | 3,204,215 |

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| | | |
|---|-------|------------|
| Montgomery County IDA Pennsylvania, MRB, Whitemarsh Continuing Care, 6.00%, 2/01/21 | | |
| Montgomery County IDA Pennsylvania, RB, New Regional Medical Center Project (FHA), 5.00%, 8/01/24 | 3,500 | 3,571,645 |
| Pennsylvania Economic Development Financing Authority, RB, National Gypsum Co., Series A, AMT, 6.25%, 11/01/27 | 7,710 | 6,298,145 |
| South Fork Municipal Authority, RB, Conemaugh Valley Memorial, Series A (AGC), 6.00%, 7/01/26 | 6,225 | 6,409,571 |
| | | 43,491,473 |

Puerto Rico 11.6%

| | | |
|--|-------|-----------|
| Commonwealth of Puerto Rico, GO, Refunding, Public Improvement, Series A (NPFGC), 5.50%, 7/01/21 | 3,290 | 3,309,279 |
| Puerto Rico Aqueduct & Sewer Authority, RB, Senior Lien, Series A (AGC), 5.00%, 7/01/25 | 3,215 | 3,182,336 |

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2011

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Schedule of Investments (continued)

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

| Municipal Bonds | Par (000) | Value |
|---|--------------|--------------|
| Puerto Rico (concluded) | | |
| Puerto Rico Electric Power Authority, RB: Series CCC, 4.25%, 7/01/23 | \$ 2,360 | \$ 2,141,582 |
| Series TT, 5.00%, 7/01/27 | 8,500 | 7,956,680 |
| Series WW, 5.50%, 7/01/38 | 3,000 | 2,776,560 |
| Puerto Rico Highway & Transportation Authority, RB: Series Y (AGM), 6.25%, 7/01/21 | 3,000 | 3,227,520 |
| Subordinate (FGIC), 5.75%, 7/01/21 | 4,375 | 4,401,644 |
| Puerto Rico Highway & Transportation Authority, Refunding RB, Series AA-1 (AGM), 4.95%, 7/01/26 | 1,500 | 1,454,310 |
| Puerto Rico Housing Finance Authority, Refunding RB, Subordinate, Capital Fund Modernization, 5.13%, 12/01/27 | 12,900 | 12,820,020 |
| Puerto Rico Industrial Medical & Environmental Pollution Control Facilities Financing Authority, RB, Special Facilities, American Airlines, Series A, 6.45%, 12/01/25 | 5,390 | 4,671,136 |
| Puerto Rico Public Buildings Authority, RB, Government Facilities, Series I, 5.50%, 7/01/14 (c) | 8,000 | 9,073,280 |
| Puerto Rico Public Buildings Authority, Refunding RB, Government Facilities: Series D, 5.25%, 7/01/27 | 3,280 | 3,038,067 |
| Series M-3 (NPFGC), 6.00%, 7/01/28 | 1,900 | 1,907,771 |
| Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A, 5.75%, 8/01/37 | 2,000 | 1,946,980 |
| | | 61,907,165 |
| Rhode Island 0.5% | | |
| Rhode Island Health & Educational Building Corp., RB, University of Rhode Island, Series A (AGC), 4.75%, 9/15/24 | 2,500 | 2,493,900 |
| South Carolina 0.2% | | |
| County of Florence South Carolina, RB, McLeod Regional Medical Center, Series A, 4.50%, 11/01/25 | 1,000 | 909,490 |

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South Dakota 0.4%

| | | |
|---|-------|-----------|
| Educational Enhancement Funding Corp., RB, Series B, 6.50%, 6/01/32 | 2,200 | 2,114,046 |
|---|-------|-----------|

Tennessee 2.1%

| | | |
|---|-------|-----------|
| Chattanooga-Hamilton County Hospital Authority Tennessee, Refunding RB, Erlanger Health (AGM), 5.00%, 10/01/22 | 1,620 | 1,632,134 |
| Johnson City Health & Educational Facilities Board, RB, Appalachian Christian Village Project, Series A, 6.00%, 2/15/19 | 1,515 | 1,446,234 |
| Memphis-Shelby County Sports Authority Inc., Refunding RB, Memphis Arena Project: Series A, 5.00%, 11/01/23 | 2,695 | 2,707,505 |
| Series B, 5.00%, 11/01/22 | 1,000 | 1,014,790 |

| Municipal Bonds | Par (000) | Value |
|--|--------------|--------------|
| Tennessee (concluded) | | |
| Shelby County Health Educational & Housing Facilities Board, RB, Germantown Village, Series A: 6.75%, 12/01/18 | \$ 3,550 | \$ 3,271,609 |
| 7.00%, 12/01/23 | 1,450 | 1,289,050 |
| | | 11,361,322 |

Texas 2.5%

| | | |
|--|-------|------------|
| Dallas-Fort Worth International Airport Facilities Improvement Corp., RB, Series 2001-A-1, AMT, 6.15%, 1/01/16 | 4,000 | 3,938,320 |
| Dallas-Fort Worth International Airport Facilities Improvement Corp., Refunding RB, Series A, Sub-Series 2, Mandatory Put Bonds, AMT, 9.00%, 5/01/29 (b) | 3,000 | 3,068,970 |
| Gulf Coast IDA, RB, Citgo Petroleum Corp. Project, Mandatory Put Bonds, AMT, 7.50%, 5/01/25 (b) | 2,440 | 2,451,712 |
| Gulf Coast Waste Disposal Authority, Refunding RB, Series A, AMT, 6.10%, 8/01/24 | 2,000 | 2,000,000 |
| Houston Health Facilities Development Corp., RB, Buckingham Senior Living Community, Series A, 7.00%, 2/15/14 (c) | 1,500 | 1,760,715 |
| | | 13,219,717 |

U.S. Virgin Islands 1.6%

| | | |
|--|-------|-----------|
| United States Virgin Islands, Refunding RB, Senior Secured, Hovensa Coker Project, AMT, 6.50%, 7/01/21 | 1,860 | 1,846,422 |
| Virgin Islands Public Finance Authority, RB, Senior Secured, Hovensa Refinery, AMT, 6.13%, 7/01/22 | 6,750 | 6,458,737 |

8,305,159

Virginia 3.3%James City County EDA, Refunding RB,
First Mortgage, Williamsburg Lodge,
Series A:

5.75%, 3/01/17 3,285 3,222,191

6.00%, 3/01/23 1,150 1,084,864

Roanoke Economic Development
Authority, Refunding RB, Carilion
Health System, Series B (AGM),
5.00%, 7/01/38

4,705 4,323,895

Tobacco Settlement Financing Corp.
Virginia, RB, Asset-Backed, 5.63%,
6/01/15 (c)

7,800 8,988,876

17,619,826

West Virginia 0.7%West Virginia Hospital Finance Authority,
Refunding RB, Charleston, Series A,
5.13%, 9/01/23

4,000 3,879,000

Wisconsin 0.4%Wisconsin Housing & EDA, RB, Series C,
AMT, 4.85%, 9/01/26

2,000 1,907,900

Total Municipal Bonds 141.5%

753,358,251

Schedule of Investments (continued)

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

| Municipal Bonds Transferred to Tender Option Bond Trusts (g) | Par (000) | Value |
|--|--------------|-------------------|
| California 5.0% | | |
| City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 9/01/30 | \$ 3,101 | \$ 3,102,567 |
| Peralta Community College District, GO, Election of 2000, Series D (AGM), 5.00%, 8/01/30 | 10,140 | 9,905,462 |
| Sequoia Union High School District California, GO, Refunding, Election of 2004, Series B (AGM), 5.50%, 7/01/35 | 9,028 | 8,932,118 |
| Tamalpais Union High School District California, GO, Election of 2001 (AGM), 5.00%, 8/01/28 | 4,875 | 4,755,855 |
| | | <u>26,696,002</u> |
| Illinois 2.4% | | |
| McHenry County Conservation District Illinois, GO (AGM), 5.13%, 2/01/27 | 12,695 | 12,776,436 |
| Massachusetts 1.6% | | |
| Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30 | 8,338 | 8,344,823 |
| Minnesota 1.8% | | |
| State of Minnesota, GO, State Various Purpose, Series A, 4.00%, 8/01/29 | 10,525 | 9,706,975 |
| New Jersey 2.2% | | |
| New Jersey Transportation Trust Fund Authority, RB, Transportation System, Series D (AGM), 5.00%, 6/15/19 | 11,120 | 11,523,100 |
| New York 7.2% | | |
| City of New York New York, GO, Sub-Series B-1, 5.25%, 9/01/22 | 8,250 | 8,790,788 |
| New York City Municipal Water Finance Authority, Refunding RB, Series A, 4.75%, 6/15/30 | 8,000 | 7,763,840 |
| New York State Urban Development Corp., RB, State Personal Income Tax, State Facilities, Series A-1 (NPFGC), 5.25%, 3/15/34 | 10,000 | 10,027,900 |
| Sales Tax Asset Receivable Corp., RB, Series A (AMBAC), 5.25%, 10/15/27 | 11,101 | 11,526,917 |

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| | | |
|--|---------------|----------------|
| | | 38,109,445 |
| Washington 2.0% | | |
| Snohomish County School District No. 15-Edmonds Washington, GO (NPFGC), 5.00%, 12/01/19 | | |
| | 10,000 | 10,783,800 |
| Total Municipal Bonds Transferred to Tender Option Bond Trusts 22.2% | | |
| | | 117,940,581 |
| Total Long-Term Investments (Cost \$883,189,552) 163.7% | | |
| | | 871,298,832 |
| Short-Term Securities | | |
| | Shares | Value |
| FFI Institutional Tax-Exempt Fund, 0.15% (h)(i) | | |
| | 14,077,944 | \$ 14,077,944 |
| Total Short-Term Securities (Cost \$14,077,944) 2.6% | | |
| | | 14,077,944 |
| Total Investments (Cost \$897,267,496*) 166.3% | | |
| | | 885,376,776 |
| Other Assets Less Liabilities 0.2% | | |
| | | 931,433 |
| Liability for Trust Certificates, Including Interest Expense and Fees Payable (12.5)% | | |
| | | (66,676,000) |
| Preferred Shares, at Redemption Value (54.0)% | | |
| | | (287,245,867) |
| Net Assets Applicable to Common Shares 100.0% | | |
| | | \$ 532,386,342 |

* The cost and unrealized appreciation (depreciation) of investments as of January 31, 2011, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|-----------------|
| Aggregate cost | \$ 830,859,017 |
| Gross unrealized appreciation | \$ 15,923,212 |
| Gross unrealized depreciation | (28,014,265) |
| Net unrealized depreciation | \$ (12,091,053) |

(a) When-issued security. Unsettled when-issued transactions were as follows:

| | | |
|-------------------------|--------------|------------------------------------|
| Counterparty | Value | Unrealized Depreciation |
| Morgan Stanley Co. Inc. | \$ 2,112,476 | \$ (406) |

- (b) Variable rate security. Rate shown is as of report date.
- (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) Non-income producing security.
- (e) Issuer filed for bankruptcy and/or is in default of interest payments.
- (f) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (g) Securities represent bonds transferred to a tender option bond trust in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction.
- (h) 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 at April 30, 2010 | Net Activity | Shares at January 31, 2011 | Income |
|-----------------------------------|-----------------------------------|-----------------|-------------------------------------|-----------|
| FFI Institutional Tax-Exempt Fund | 17,541,876 | (3,463,932) | 14,077,944 | \$ 11,148 |

- (i) Represents the current yield as of report date.

Schedule of Investments (concluded)

BlackRock Muni Intermediate Duration Fund, Inc. (MUI)

Fair Value Measurements - Various inputs are used in determining the fair value of investments, which are as follows:

Level 1 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)

The inputs or methodologies used for valuing securities are not necessarily an indication of the risk 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 semi-annual report.

The following table summarizes the inputs used as of January 31, 2011 in determining the fair valuation of the Fund's investments:

| Valuation Inputs | Level 1 | Level 2 | Level 3 | Total |
|------------------------------------|----------------------|-----------------------|---------|-----------------------|
| Assets: | | | | |
| Investments in Securities: | | | | |
| Long-Term Investments ¹ | | \$ 871,298,832 | | \$ 871,298,832 |
| Short-Term Securities | \$ 14,077,944 | | | 14,077,944 |
| Total | \$ 14,077,944 | \$ 871,298,832 | | \$ 885,376,776 |

¹ See above Schedule of Investments for values in each state or political subdivision.

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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: March 25, 2011

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: March 25, 2011

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

Date: March 25, 2011