

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 52nd Street, New York, NY 10055

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

Date of fiscal year end: 04/30/2013

Date of reporting period: 07/31/2012

Item 1 – Schedule of Investments

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

Schedule of Investments July 31, 2012 (Unaudited)

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

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

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

| Municipal Bonds | Par (000) | Value |
|---|--------------|------------|
| California (concluded) | | |
| 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: 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 |
| Colorado 1.0% | | |
| Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Public Improvement Fee, Tax Increment, 7.50%, 12/01/15 | 6,000 | 6,229,380 |
| Connecticut 2.2% | | |
| 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 (000) | Value |
|---|--------------|--------------|
| Connecticut (concluded) | | |
| State of Connecticut, GO, Series B, 5.00%, 4/15/31 | \$ 6,990 | \$ 8,387,371 |
| | | 14,159,631 |
| Delaware 0.9% | | |
| Delaware State Municipal Electric Corp., Refunding RB, 5.00%, 7/01/37 | 5,000 | 5,545,800 |
| Florida 8.1% | | |
| Broward County School Board Florida, Refunding COP, Series A (AGM), (AGM), 5.00%, 7/01/24 | 10,000 | 11,478,400 |
| County of Lee Florida, Refunding ARB, Series A, AMT: 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, Refunding RB, Series C (BHAC), 5.00%, 10/01/23 | 8,000 | 9,209,200 |
| County of Miami-Dade Florida Transit System, RB, Sales Tax (b): 5.00%, 7/01/32 | 1,500 | 1,716,870 |
| 5.00%, 7/01/33 | 3,000 | 3,414,660 |
| Greater Orlando Aviation Authority Airport Facilities, Refunding RB, Series B, AMT: 5.00%, 10/01/25 | 1,000 | 1,133,480 |
| 5.00%, 10/01/26 | 2,935 | 3,299,586 |
| Highlands County Health Facilities Authority, Refunding RB, Adventist Health, Series G, 5.13%, 11/15/16 (c) | 35 | 41,643 |
| JEA Electric System, Refunding RB, Sub- Series B, 5.00%, 10/01/24 | 4,615 | 5,262,392 |
| Midtown Miami Community Development District, Special Assessment Bonds: 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 Development District, Special Assessment Bonds, Series A, 6.40%, 5/01/34 | 1,085 | 1,100,418 |
| South Lake County Hospital District, RB, South Lake Hospital Inc., 6.63%, 10/01/23 | 2,390 | 2,464,879 |
| Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds Series B, 5.50%, 11/01/10 | 155 | 108,502 |
| | 4,000 | 4,000,960 |

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

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

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| Georgia 1.1% | | |
| Fulton County Development Authority, Refunding RB, Robert Woodruff, Series B, 5.25%, 3/15/24 | \$ 3,000 | \$ 3,440,190 |
| Medical Center Hospital Authority, Refunding RB, Columbus Regional 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 |
| Guam 0.4% | | |
| Territory of Guam, RB, Section 30, Series A, 5.38%, 12/01/24 | 2,100 | 2,329,698 |
| Hawaii 0.9% | | |
| State of Hawaii, Refunding ARB, Series A, 5.25%, 7/01/29 | 5,000 | 5,730,500 |
| Idaho 0.6% | | |
| Idaho Health Facilities Authority, Refunding RB, St. Luke's Regional Medical Center (AGM), 4.63%, 7/01/30 | 3,700 | 4,017,534 |
| Illinois 6.1% | | |
| Chicago Transit Authority, RB, 5.25%, 12/01/31 | 2,000 | 2,331,980 |
| City of Chicago Illinois, GARB, O'Hare International Airport, Third Lien, Series B-2, AMT (AGM), 5.75%, 1/01/23 | 8,130 | 8,529,020 |
| Madison, Macoupin, Etc. Counties Community College District No. 536, GO, Refunding, Lewis & Clark 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 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 Project, AMT, 5.90%, 11/01/17 | 6,000 | 6,008,280 |
| Village of Wheeling Illinois, Tax Allocation Bonds, North Milwaukee/Lake-Cook TIF Project, 6.00%, 1/01/25 | 1,480 | 1,485,831 |
| | | 38,849,519 |
| Indiana 4.0% | | |
| City of Whiting Indiana, RB, BP Products North America, 5.25%, 1/01/21 | 4,800 | 5,788,128 |

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

Schedule of Investments (continued)

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

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

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| Louisiana (concluded) | | |
| Louisiana Local Government Environmental Facilities & Community Development Authority, Refunding RB, BRCC Facilities Corp. Project: 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, Nineteenth Judicial District Court (NPFGC), 5.50%, 6/01/41 | 2,000 | 2,179,140 |
| Louisiana Public Facilities Authority, Refunding RB, Entergy Gulf States Louisiana, LLC Project, Series A, 5.00%, 9/01/28 | 4,000 | 4,283,840 |
| New Orleans Aviation Board Louisiana, Refunding RB, GARB, Restructuring, Series A-2, (AGC), 6.00%, 1/01/23 | 850 | 1,019,762 |
| Parish of St. Charles Louisiana, RB, Valero Energy Corp. Project, 4.00%, 12/01/40 (a) | 1,760 | 1,861,922 |
| Port of New Orleans Louisiana, Refunding RB, Continental Grain Co. Project, 6.50%, 1/01/17 | 3,500 | 3,518,655 |
| State of Louisiana, GO, Series A, 5.00%, 8/01/24 | 12,000 | 15,095,760 |
| | | 39,714,995 |
| Maine 0.3% | | |
| Portland New Public Housing Authority Maine, Refunding RB, Senior Living, Series A, 6.00%, 2/01/34 | 1,965 | 2,026,111 |
| Maryland 0.7% | | |
| Maryland EDC, RB, Transportation Facilities Project, Series A, 5.13%, 6/01/20 | 1,750 | 1,929,043 |
| Maryland EDC, Refunding RB, CNX Marine Terminals Inc., 5.75%, 9/01/25 | 790 | 855,151 |
| Maryland Health & Higher Educational Facilities Authority, RB, Johns Hopkins Health System, Series B, 5.00%, 7/01/33 | 1,140 | 1,338,565 |
| Maryland Industrial Development Financing Authority, RB, Our Lady of Good Counsel School, Series A, 6.00%, 5/01/35 | 500 | 524,300 |
| | | 4,647,059 |
| Massachusetts 0.2% | | |
| Massachusetts Health & Educational Facilities Authority, Refunding RB, 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 (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| Michigan 4.0% | | |
| City of Detroit Michigan, Refunding RB, Second Lien, Series C (BHAC), 5.75%, 7/01/26 | \$ 4,235 | \$ 4,900,488 |
| Manistee Area Public Schools, GO, Refunding (Q-SBLF), 5.00%, 5/01/25 | 1,000 | 1,140,230 |
| Michigan State Building Authority, Refunding RB, Facilities Program, Series A, 5.00%, 10/15/24 | 2,500 | 2,965,350 |
| Michigan State Hospital Finance Authority, Refunding RB, Henry Ford Health, 5.25%, 11/15/24 | 4,900 | 5,532,933 |
| State of Michigan Trunk Line, RB, Fund, 5.00%, 11/15/31 | 2,000 | 2,343,320 |
| Wayne County Airport Authority, RB, Detroit Metropolitan Wayne County Airport, AMT (AGC), 4.75%, 12/01/18 | 7,665 | 8,286,325 |
| | | 25,168,646 |
| Minnesota 0.6% | | |
| City of St. Cloud Minnesota, Refunding RB, Centracare Health System, Series A, 4.25%, 5/01/21 | 2,300 | 2,586,051 |
| University of Minnesota, RB, Biomedical Science Research Facilities Funding Program, Series B, 5.00%, 8/01/36 | 1,000 | 1,167,890 |
| | | 3,753,941 |
| Mississippi 1.5% | | |
| Mississippi Business Finance Corp., Refunding RB, System Energy Resource Inc. Project: 5.88%, 4/01/22 | 5,000 | 5,014,150 |
| 5.90%, 5/01/22 | 4,410 | 4,422,480 |
| | | 9,436,630 |
| Missouri 2.6% | | |
| Missouri Development Finance Board, RB, St. Joseph Sewage System Improvements, Series E, 4.75%, 5/01/26 | 750 | 786,968 |
| Missouri Joint Municipal Electric Utility Commission Power, RB, Prairie State Project, Series A (BHAC), 5.00%, 1/01/32 | 5,000 | 5,557,100 |
| Missouri State Environmental Improvement & Energy Resources Authority, Refunding RB, Revolving Funds Program, Series A, 5.00%, 1/01/25 | 3,150 | 3,954,321 |
| Missouri State Health & Educational Facilities Authority, Refunding RB, SSM Health Care, Series B, 4.25%, 6/01/25 | 5,975 | 6,501,457 |

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

16,799,846

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| Montana 0.5% | | |
| Montana Facility Finance Authority, Refunding RB, Series B, 5.00%, 1/01/24 | \$ 2,625 | \$ 3,007,384 |
| Nebraska 0.8% | | |
| Douglas County School District No. 17 Nebraska, GO, Refunding, 2.00%, 6/15/25 | 4,380 | 4,213,385 |
| Lancaster County Hospital Authority No. 1, Refunding RB, Immanuel Obligation Group, 5.50%, 1/01/30 | 1,000 | 1,122,680 |
| | | 5,336,065 |
| Nevada 1.0% | | |
| County of Clark Nevada, Special Assessment Bonds, Special Improvement District No. 142, Local Improvement, 6.38%, 8/01/23 | 2,040 | 2,101,200 |
| County of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5.15%, 12/01/24 | 3,800 | 4,277,242 |
| | | 6,378,442 |
| New Jersey 13.8% | | |
| Essex County Improvement Authority, RB, Newark Project, Series A (AGM), 5.00%, 11/01/20 | 2,000 | 2,313,740 |
| Garden State Preservation Trust, RB, Election of 2005, Series A (AGM) (c): 5.80%, 11/01/15 | 3,635 | 4,251,787 |
| 5.80%, 11/01/15 | 5,050 | 5,906,884 |
| New Jersey EDA, RB: Continental Airlines Inc. Project, AMT, 6.63%, 9/15/12 (d) | 5,540 | 5,568,309 |
| Motor Vehicle Surcharge, Series A, (NPFGC), 5.25%, 7/01/33 | 10,000 | 10,704,800 |
| New Jersey EDA, Refunding RB: New Jersey American Water Co., Series E, AMT, 4.70%, 12/01/25 | 3,000 | 3,294,060 |
| School Facilities Construction, Series AA, 4.25%, 12/15/24 | 3,850 | 4,230,033 |
| School Facilities Construction, Series EE, 5.00%, 9/01/23 | 3,465 | 4,125,360 |
| New Jersey Health Care Facilities Financing Authority, Refunding RB, Hackensack University Medical, Series B (AGM), 4.00%, 1/01/24 | 635 | 687,032 |
| New Jersey Higher Education Assistance Authority, Refunding RB: Series 1, AMT, 5.50%, 12/01/26 | 1,665 | 1,904,294 |
| Series 1, AMT, 5.00%, 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 (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| New Jersey (concluded) | | |
| 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 |
| New York 18.2% | | |
| 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 |

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

11/01/16

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| New York (continued) | | |
| New York City Industrial Development Agency, RB (concluded): Special Needs Facilities Pooled Program, Series C-1, 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, 4.25%, 5/01/24 | 1,740 | 1,912,904 |
| New York City Transitional Finance Authority, RB: Fiscal 2007, Series S-1, (NPFGC), 5.00%, 7/15/24 | 500 | 565,640 |
| Fiscal 2009, Series S-3, 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%, 3/15/31 | 4,500 | 5,082,930 |
| Fordham University, Series A, 5.25%, 7/01/25 | 900 | 1,079,190 |
| Mental Health Services Facilities Improvement, Series A (AGM), 5.00%, 2/15/22 | 4,000 | 4,649,720 |
| Mount Sinai School of Medicine, Series A (NPFGC), 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, 5.00%, 7/01/22 | 1,725 | 1,976,281 |
| NYU Hospital Center, Series A, 5.13%, 7/01/23 | 1,670 | 1,906,372 |
| School Districts Financing Program, Series C, 5.00%, 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 (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| New York (concluded) | | |
| New York State Dormitory Authority, Refunding RB: | | |
| Mount Sinai Hospital, Series A, 4.25%, 7/01/23 | \$ 2,225 | \$ 2,412,300 |
| North Shore-Long Island Jewish Health System, Series E, 5.00%, 5/01/22 | 650 | 746,590 |
| North Shore-Long Island Jewish Health System, Series E, 5.00%, 5/01/23 | 2,160 | 2,450,909 |
| Yeshiva University, 4.00%, 9/01/23 | 2,860 | 3,123,835 |
| Yeshiva University, 4.25%, 9/01/24 | 2,750 | 3,023,652 |
| Port Authority of New York & New Jersey, RB, JFK International Air Terminal, 5.00%, 12/01/20 | 2,475 | 2,740,270 |
| Port Authority of New York & New Jersey, Refunding RB: | | |
| Consolidated, 152nd Series, AMT, 5.00%, 11/01/23 | 1,000 | 1,137,790 |
| Consolidated, 153rd Series, 5.00%, 7/15/24 | 2,010 | 2,314,394 |
| United Nations Development Corp. New York, Refunding RB, Series A, 4.25%, 7/01/24 | 2,985 | 3,287,948 |
| Westchester County New York Health Care Corp., Refunding RB, Senior Lien, Series A, 5.00%, 11/01/24 | 5,470 | 6,176,505 |
| | | 115,308,386 |
| North Carolina 2.2% | | |
| City of Charlotte North Carolina, RB, Charlotte Douglas Airport, Series A, 5.00%, 7/01/33 | 4,000 | 4,564,600 |
| Gaston County Industrial Facilities & Pollution Control Financing Authority North Carolina, RB, Exempt Facilities, National Gypsum Co. Project, AMT, 5.75%, 8/01/35 | 2,105 | 1,901,678 |
| North Carolina Capital Facilities Finance Agency, RB, Solid Waste Disposal, Duke Energy Carolinas Project, Series B, 4.38%, 10/01/31 | 2,000 | 2,152,000 |
| North Carolina Eastern Municipal Power Agency, Refunding RB, Series B, 5.00%, 1/01/26 | 1,925 | 2,176,944 |
| North Carolina Medical Care Commission, Refunding RB: | | |
| Vidant Health, Series A, 5.00%, 6/01/36 | 1,500 | 1,646,475 |

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

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

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| Ohio 0.7% | | |
| Cincinnati City School District, Refunding GO, School Improvement, 5.25%, 6/01/24 | \$ 1,825 | \$ 2,198,541 |
| City of Cincinnati Ohio, Refunding GO, Various Purpose, Series A, 4.38%, 12/01/30 | 900 | 973,494 |
| Kent State University, ERB, General Receipts, Series A, 5.00%, 5/01/37 | 1,000 | 1,131,780 |
| | | 4,303,815 |
| Oregon 1.5% | | |
| City of Tigard Washington County Oregon, Refunding RB, Water System, 5.00%, 8/01/37 | 2,000 | 2,320,860 |
| Oregon Health & Science University, Refunding RB, Series A, 5.00%, 7/01/26 | 1,500 | 1,776,135 |
| Oregon State Facilities Authority, Refunding RB, Reed College Project, Series A, 5.00%, 7/01/29 | 1,835 | 2,162,602 |
| State of Oregon, GO: Odot Project, Tax-Exempt, 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 |
| Pennsylvania 9.1% | | |
| City of Philadelphia Pennsylvania, RB, Series A, AMT (AGM), 5.00%, 6/15/20 | 2,895 | 3,177,581 |
| City of Philadelphia Pennsylvania, Refunding RB, Series B, AMT (AGM), 5.00%, 6/15/19 | 3,905 | 4,322,484 |
| City of Pittsburgh Pennsylvania, GO, Series C (AGM), 5.25%, 9/01/18 | 6,430 | 7,226,548 |
| City of Pittsburgh Pennsylvania, GO, Refunding, Series B (AGM), 5.25%, 9/01/17 | 9,630 | 10,930,917 |
| County of Allegheny Pennsylvania, GO, Series C-67: 5.00%, 11/01/25 | 2,700 | 3,094,956 |
| 5.00%, 11/01/26 | 2,375 | 2,699,947 |
| County of Allegheny Pennsylvania, Refunding GO, Series C-68, 5.00%, 11/01/25 | 2,515 | 2,882,894 |
| Montgomery County IDA Pennsylvania, MRB, Whitemarsh Continuing Care, 6.00%, 2/01/21 | 3,500 | 3,585,435 |
| Pennsylvania Economic Development Financing Authority, RB, National Gypsum Co., Series A, AMT, 6.25%, 11/01/27 | 7,710 | 7,582,785 |
| Pennsylvania Turnpike Commission, RB, 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 (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| Pennsylvania (concluded) | | |
| South Fork Municipal Authority, Refunding RB, Conemaugh Valley Memorial, Series A (AGC), 6.00%, 7/01/26 | \$ 6,225 | \$ 7,385,029 |
| | | 57,531,496 |
| Puerto Rico 5.1% | | |
| Puerto Rico Aqueduct & Sewer Authority, Refunding RB, Senior Lien, Series A (AGC), 5.00%, 7/01/25 | 3,215 | 3,514,638 |
| Puerto Rico Electric Power Authority, RB, Series TT, 5.00%, 7/01/27 | 6,500 | 6,894,485 |
| Puerto Rico Highway & Transportation Authority, RB, Series Y (AGM), 6.25%, 7/01/21 | 3,000 | 3,621,510 |
| Puerto Rico Highway & Transportation Authority, Refunding RB, Series AA-1 (AGM), 4.95%, 7/01/26 | 885 | 963,455 |
| Puerto Rico Housing Finance Authority, Refunding RB, Subordinate, Capital Fund Modernization, 5.13%, 12/01/27 | 9,450 | 10,474,663 |
| Puerto Rico Sales Tax Financing Corp., RB, First Sub-Series A: 5.63%, 8/01/30 | 1,925 | 2,038,691 |
| 6.00%, 8/01/42 | 650 | 735,040 |
| Puerto Rico Sales Tax Financing Corp., Refunding RB, Series C, 5.25%, 8/01/40 | 3,800 | 4,219,748 |
| | | 32,462,230 |
| Rhode Island 0.8% | | |
| Rhode Island Health & Educational Building Corp., RB: Providence College, 5.00%, 11/01/34 | 1,750 | 1,973,510 |
| University of Rhode Island, Series A, (AGC), 4.75%, 9/15/24 | 2,500 | 2,835,525 |
| | | 4,809,035 |
| South Carolina 0.2% | | |
| County of Florence South Carolina, Refunding RB, McLeod Regional Medical Center, Series A, 4.50%, 11/01/25 | 1,000 | 1,095,080 |
| South Dakota 0.2% | | |
| South Dakota Health & Educational Facilities Authority, Refunding RB, Regional Health, 5.00%, 9/01/25 | 1,000 | 1,116,490 |
| Tennessee 2.6% | | |
| Chattanooga-Hamilton County Hospital Authority Tennessee, Refunding RB, Erlanger Health (AGM), 5.00%, | 1,620 | 1,875,312 |

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

10/01/22

| | Par (000) | Value |
|---|--------------|--------------|
| Municipal Bonds | | |
| Tennessee (concluded) | | |
| 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 |
| Texas 4.2% | | |
| 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 |
| Vermont 0.3% | | |
| 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 (000) | Value |
|--|--------------|--------------|
| Municipal Bonds | | |
| Virginia 2.9% | | |
| James City County EDA, Refunding RB, First Mortgage, Williamsburg Lodge, 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 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. Virginia, RB, Asset-Backed, 5.63%, 6/01/15 (c) | 7,800 | 8,942,934 |
| Virginia Small Business Financing Authority, RB, Senior Lien, Express Lanes LLC, 5.00%, 7/01/34 | 1,560 | 1,656,190 |
| | | 18,593,516 |
| West Virginia 2.7% | | |
| West Virginia Hospital Finance Authority, Refunding RB, Charleston, Series A, 5.13%, 9/01/23 | 4,000 | 4,377,480 |
| West Virginia University, RB, Board of Governors University Improvement, 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 |
| Wisconsin 2.1% | | |
| State of Wisconsin, GO, Series C, 4.50%, 5/01/30 | 6,120 | 6,932,369 |
| Wisconsin Health & Educational Facilities Authority, Refunding RB, Aurora Health Care Inc., Series A, (AGM), 5.00%, 7/15/27 | 3,770 | 4,243,135 |
| Wisconsin Housing & EDA, RB, Series C, AMT, 4.85%, 9/01/26 | 2,000 | 2,086,720 |
| | | 13,262,224 |
| Total Municipal Bonds 130.7% | | 830,337,683 |
| Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts (f) | | |
| California 3.3% | | |
| Peralta Community College District, GO, Election of 2000, Series D (AGM), 5.00%, 8/01/30 | 10,140 | 10,713,113 |
| Sequoia Union High School District California, GO, Refunding, Election of 2004, Series B (AGM), 5.50%, 7/01/35 | 9,028 | 9,880,900 |
| | | 20,594,013 |

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

| Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts (f) | Par (000) | Value |
|--|--------------|--------------|
| Illinois 3.8% | | |
| Du Page & Will Counties Community School District No. 204 Indian, GO, School Building, Series A (NPFGC), 5.25%, 12/30/22 | \$ 8,650 | \$ 9,925,081 |
| McHenry County Conservation District Illinois, GO (AGM), 5.13%, 2/01/27 | 12,695 | 13,969,689 |
| | | 23,894,770 |
| Louisiana 1.7% | | |
| State of Louisiana Gas & Fuels, Refunding RB, Series A-1, 4.00%, 5/01/34 | 10,000 | 10,656,500 |
| Massachusetts 3.3% | | |
| Massachusetts Development Finance Agency, Refunding RB, Partners Healthcare, Series L, 5.00%, 7/01/31 | 10,175 | 11,722,091 |
| Massachusetts School Building Authority, RB, Series A (AGM), 5.00%, 8/15/30 | 8,338 | 9,228,447 |
| | | 20,950,538 |
| Minnesota 1.8% | | |
| State of Minnesota, GO, State Various Purpose, Series A, 4.00%, 8/01/29 | 10,525 | 11,687,458 |
| New Jersey 1.9% | | |
| New Jersey Transportation Trust Fund Authority, RB, Transportation System, Series D (AGM), 5.00%, 6/15/19 | 11,120 | 12,319,959 |
| New York 11.4% | | |
| City of New York New York, GO: Sub-Series B-1, 5.25%, 9/01/22 | 8,250 | 10,128,360 |
| Sub-Series I-1, 5.50%, 4/01/21 | 4,992 | 6,287,100 |
| City of New York New York, Refunding GO, Series E, 5.00%, 8/01/24 | 3,990 | 4,763,102 |
| New York City Municipal Water Finance Authority, Refunding RB, Series A, 4.75%, 6/15/30 | 8,000 | 8,964,960 |
| New York State Urban Development Corp., RB, State Personal Income Tax, State Facilities, Series A-1 (NPFGC), 5.25%, 3/15/14 (c) | 10,000 | 10,806,200 |
| New York State Urban Development Corp., Refunding RB, Service Contract, Series B, 5.00%, 1/01/21 | 8,003 | 9,562,731 |
| Port Authority of New York & New Jersey, RB, Consolidated, 169th Series, AMT, 5.00%, 10/15/26 | 5,530 | 6,442,671 |
| Sales Tax Asset Receivable Corp., Refunding RB, Series A (AMBAC), 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 (000) | Value |
|--|---------------|----------------|
| Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts (f) | | |
| New York (concluded) | | |
| Suffolk County Water Authority, Refunding RB, 3.00%, 6/01/25 | \$ 3,242 | \$ 3,381,428 |
| | | 72,503,828 |
| Washington 1.8% | | |
| Snohomish County School District No. 15 - Edmonds Washington, GO, (NPFGC), 5.00%, 6/01/16 (c) | 10,000 | 11,518,400 |
| Total Municipal Bonds Transferred to Tender Option Bond (TOB) Trusts 29.0% | | 184,125,466 |
| Total Long-Term Investments (Cost \$928,395,333) 159.7% | | 1,014,463,149 |
| Short-Term Securities | | |
| Connecticut 1.1% | | |
| Connecticut Housing Finance Authority, Refunding RB, VRDN, Housing Mortgage Finance Program, Sub- Series A-2, 0.17%, 8/01/12 (i) | 7,000 | 7,000,000 |
| Virginia 1.5% | | |
| Roanoke Economic Development Authority, RB, VRDN, Carilion Health System, Series A-2 (AGM Insurance, Wells Fargo Bank NA SBPA), 0.17%, 8/01/12 (i) | 9,450 | 9,450,000 |
| | Shares | |
| Money Market Funds 0.00% | | |
| FFI Institutional Tax-Exempt Fund, 0.01%, 8/01/12 (g)(h) | 53,165 | 53,165 |
| Total Short-Term Securities (Cost \$16,503,165) 2.6% | | 16,503,165 |
| Total Investments (Cost - \$944,898,498*) 162.3% | | 1,030,966,314 |
| Liabilities in Excess of Other Assets (1.7)% | | (10,852,980) |
| Liability for TOB Trust Certificates, Including Interest Expense and Fees Payable (15.4)% | | (97,654,541) |
| VRDP Shares, at Liquidation Value (45.2)% | | (287,100,000) |
| Net Assets Applicable to Common Shares 100.0% | | \$ 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 |

- (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 Appreciation (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 Held at April 30, 2012 | Net Activity | Shares Held at July 31, 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:

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

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

¹ 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 |
|------------------------|---------|------------------|---------|------------------|
| Liabilities: | | | | |
| TOB trust certificates | | \$ (97,589,457) | | \$ (97,589,457) |
| VRDP Shares | | (287,100,000) | | (287,100,000) |
| Total | | \$ (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

10

Edgar Filing: BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC. - Form N-Q

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

