

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

Form N-Q

March 26, 2013

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: 01/31/2013

Item 1 Schedule of Investments

Schedule of Investments January 31, 2013 (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	\$ 5,398,950
County of Jefferson Alabama, RB, Limited Obligation School, Series A: 5.50%, 1/01/21	5,500	5,511,385
5.25%, 1/01/23	6,500	6,494,735
		17,405,070
Arizona 4.9%		
Arizona Board of Regents University of Arizona, RB, Speed, 5.00%, 8/01/28	2,000	2,372,340
Arizona Health Facilities Authority, Refunding RB, Phoenix Children's Hospital, Series A, 5.00%, 2/01/30	2,685	2,947,969
City of Tucson Arizona, COP (AGC): 4.25%, 7/01/21	1,870	2,058,197
4.25%, 7/01/22	1,895	2,081,013
City of Tucson Arizona, COP, Refunding, (AGC), 4.00%, 7/01/20	2,325	2,602,303
Maricopa County IDA Arizona, RB, Arizona Charter Schools Project, Series A, 6.63%, 7/01/20	1,700	1,395,020
Northern Arizona University, RB, 5.00%, 6/01/41	1,250	1,381,600
Phoenix Mesa Gateway Airport Authority, RB, Mesa Project, AMT: 5.00%, 7/01/27	700	773,542
5.00%, 7/01/32	1,200	1,299,228
Pima County IDA, RB: Charter Schools Project, Series C, 6.70%, 7/01/21	950	954,541
Charter Schools Project, Series K, 6.38%, 7/01/31	895	896,888
Pima County IDA, Refunding RB, Tucson Electric Power Co., San Juan, Series A, 4.95%, 10/01/20	2,325	2,648,733
Pinal County Electric District No. 3, Refunding RB, 5.00%, 7/01/25	1,600	1,833,216
Salt River Project Agricultural Improvement & Power District, RB, Series A, 5.00%, 1/01/25	4,000	4,630,280
Scottsdale IDA, Refunding RB, Scottsdale Healthcare, Series C (AGM), 5.00%, 9/01/35	2,050	2,283,516
State of Arizona, COP, Department of Administration, Series A (AGM), 4.25%, 10/01/23	1,000	1,110,580
		31,268,966
Arkansas 0.2%		
University of Arkansas, Refunding RB, Various Facility, Series A, 5.00%, 11/01/31	1,000	1,206,720
California 4.3%		
California Health Facilities Financing Authority, RB, Sutter Health, Series B, 5.00%, 8/15/22	2,135	2,556,876
California HFA, RB, Home Mortgage, Series K, AMT, 4.55%, 8/01/21	530	542,529
California HFA, Refunding RB, Home Mortgage, Series M, AMT, 4.55%, 8/01/21	1,055	1,066,489

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California Pollution Control Financing Authority, RB, AMT:		
Republic Services Inc. Project, Series B, 5.25%, 6/01/23(a)	605	685,586
Waste Management Inc. Project, Series A-2, 5.40%, 4/01/25	1,240	1,315,169
California Pollution Control Financing Authority, Refunding RB, Pacific Gas, Series C, AMT (NPFGC),		
4.75%, 12/01/23	5,000	5,494,550
City of Sacramento California, Special Tax Bonds, North Natomas Community Facilities, Series 4-C,		
6.00%, 9/01/28	2,990	3,054,076
City of San Jose California, Refunding ARB, Series A-1, AMT,		
5.00%, 3/01/25	2,000	2,249,260
State of California, GO:		
5.50%, 4/01/28	15	15,771
Various Purpose, 5.75%, 4/01/31	7,000	8,292,410
Various Purpose, 5.00%, 11/01/32	2,000	2,221,760
		27,494,476

Colorado 0.8%

Plaza Metropolitan District No. 1 Colorado, Tax Allocation Bonds, Public Improvement Fee, Tax Increment,		
7.50%, 6/01/14(b)	4,500	4,964,850

Connecticut 2.2%

Connecticut State Development Authority, RB, Learjet Inc. Project, AMT,		
7.95%, 4/01/26	1,160	1,250,782
Connecticut State Health & Educational Facility Authority, Refunding RB:		
Connecticut College, Series I, 5.00%, 7/01/29	1,075	1,261,770
Connecticut College, Series I, 5.00%, 7/01/31	620	724,377
Connecticut College, Series I, 5.00%, 7/01/32	500	581,050
Lawrence & Memorial Hospital, Series F, 5.00%, 7/01/31	1,780	1,971,777

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

JANUARY 31, 2013

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Schedule of Investments (continued)

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

	Par (000)	Value
Municipal Bonds		
Connecticut (concluded)		
State of Connecticut, GO, Series B, 5.00%, 4/15/31	\$ 6,990	\$ 8,304,889
		14,094,645
Delaware 0.9%		
Delaware State Municipal Electric Corp., Refunding RB, 5.00%, 7/01/37	5,000	5,604,500
Florida 8.4%		
Broward County Florida Airport System, RB, Series Q-2, AMT, 5.00%, 10/01/32	1,250	1,392,825
Broward County School Board Florida, Refunding COP, Series A, (AGM), 5.00%, 7/01/24	10,000	11,704,700
County of Lee Florida, Refunding ARB, Series A, AMT: 5.50%, 10/01/23	1,000	1,182,950
(AGM), 5.00%, 10/01/27	1,635	1,830,660
County of Miami-Dade Florida, Refunding RB, Series C (BHAC), 5.00%, 10/01/23	8,000	9,396,160
County of Miami-Dade Florida Transit System, Refunding RB, Sales Tax: 5.00%, 7/01/32	1,500	1,728,525
5.00%, 7/01/33	3,000	3,441,240
Greater Orlando Aviation Authority Airport Facilities, Refunding RB, Series B, AMT: 5.00%, 10/01/25	1,000	1,141,600
5.00%, 10/01/26	2,935	3,330,315
Highlands County Health Facilities Authority, Refunding RB, Adventist Health, Series G, 5.13%, 11/15/16 (b)	35	40,795
JEA Electric System, Refunding RB, Sub-Series B, 5.00%, 10/01/34	4,615	5,299,451
Midtown Miami Community Development District, Special Assessment Bonds: Series A, 6.00%, 5/01/24	2,880	2,923,632
Series B, 6.50%, 5/01/37	1,870	1,909,551
Portofino Shores Community Development District, Special Assessment Bonds, Series A, 6.40%, 5/01/34	1,080	1,092,906
South Lake County Hospital District, RB, South Lake Hospital Inc., 6.63%, 10/01/23	2,390	2,466,169
Sterling Hill Community Development District, Refunding RB, Special Assessment Bonds Series B, 5.50%, 11/01/10 (c)(d)	155	100,752
University of Florida Research Foundation Inc., RB (AMBAC), 5.13%, 9/01/33	4,000	4,002,160
		52,984,391
Georgia 1.1%		
Fulton County Development Authority, Refunding RB, Robert Woodruff, Series B, 5.25%, 3/15/24	3,000	3,406,110
Medical Center Hospital Authority, Refunding RB, Columbus Regional Healthcare (AGM): 4.00%, 8/01/23	1,500	1,617,105
4.13%, 8/01/24	2,000	2,152,200
		7,175,415

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Guam 0.4%		
Territory of Guam, RB, Section 30, Series A, 5.38%, 12/01/24	2,100	2,327,010
Hawaii 0.9%		
State of Hawaii, Refunding ARB, Series A, 5.25%, 7/01/29	5,000	5,859,000
Idaho 0.6%		
Idaho Health Facilities Authority, Refunding RB, St. Luke's Regional Medical Center (AGM), 4.63%, 7/01/30	3,700	4,035,368
Illinois 6.1%		
Chicago Transit Authority, RB, 5.25%, 12/01/31	2,000	2,351,920
City of Chicago Illinois, GARB, O'Hare International Airport, Third Lien, Series B-2, AMT (AGM), 5.75%, 1/01/23	8,130	8,500,565
Madison, Macoupin, Etc. Counties Community College District No. 536, GO, Refunding, Lewis & Clark Community College: 5.00%, 5/01/29	350	394,804
5.00%, 5/01/30	475	532,850
5.00%, 5/01/31	500	559,515
5.00%, 5/01/32	500	556,430
Railsplitter Tobacco Settlement Authority, RB: 5.50%, 6/01/23	3,500	4,163,810
6.25%, 6/01/24	12,750	14,279,490
Village of Hodgkins Illinois, RB, MBM Project, AMT, 5.90%, 11/01/17	6,000	6,009,300
Village of Wheeling Illinois, Tax Allocation Bonds, North Milwaukee/Lake-Cook TIF Project, 6.00%, 1/01/25	1,425	1,433,094
		38,781,778

Schedule of Investments (continued)

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

	Par (000)	Value
Municipal Bonds		
Indiana 4.0%		
City of Whiting Indiana, RB, BP Products North America, 5.25%, 1/01/21	\$ 4,800	\$ 5,909,232
County of Jasper Indiana, Refunding RB, Northern Indiana Public Service Co., Series C (NPFGC), 5.85%, 4/01/19	2,000	2,355,100
Indiana Finance Authority, Refunding RB, Environmental Improvement, United Steel Corp. Project, 6.00%, 12/01/19	5,000	5,579,800
Indiana Finance Authority Wastewater Utility, RB, First Lien, Series A, 5.25%, 10/01/31	10,000	11,805,900
		25,650,032
Iowa 1.0%		
Iowa Higher Education Loan Authority, RB, Private College Facility:		
5.25%, 4/01/23	695	823,130
5.25%, 4/01/24	730	857,984
5.25%, 4/01/25	520	607,984
5.25%, 4/01/26	360	419,346
Iowa Higher Education Loan Authority, Refunding RB, Private College Facility:		
5.00%, 9/01/20	1,000	1,152,300
5.00%, 9/01/22	2,315	2,600,185
		6,460,929
Kansas 2.1%		
Kansas Development Finance Authority, RB, KU Health System, Series H:		
5.00%, 3/01/26	3,220	3,567,019
5.00%, 3/01/27	3,905	4,315,962
Kansas Development Finance Authority, Refunding RB:		
Adventist Health, 5.00%, 11/15/23	1,500	1,733,265
Sisters of Leavenworth, Series A, 4.00%, 1/01/22	3,425	3,767,706
		13,383,952
Kentucky 3.0%		
Kentucky Economic Development Finance Authority, RB, Owensboro Medical Health System, Series A, 5.25%, 6/01/23	8,650	9,797,509
Kentucky State Property & Buildings Commission, Refunding RB, Project No. 93 (AGC), 5.25%, 2/01/24	8,000	9,396,400
		19,193,909
Louisiana 3.6%		
Jefferson Parish Hospital Service District No. 1, Refunding RB, West Jefferson Medical Center, Series A, (AGM), 5.50%, 1/01/26	3,000	3,411,660
Louisiana Local Government Environmental Facilities & Community Development Authority, Refunding RB, BRCC Facilities Corp. Project:		
5.00%, 12/01/27	3,445	4,052,629
5.00%, 12/01/28	3,715	4,347,367
Louisiana Public Facilities Authority, RB, Nineteenth Judicial District Court (NPFGC),		

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5.50%, 6/01/41	2,000	2,159,940
Louisiana Public Facilities Authority, Refunding RB, Entergy Gulf States Louisiana, LLC Project, Series A,		
5.00%, 9/01/28	2,000	2,165,200
New Orleans Aviation Board Louisiana, Refunding GARB, Restructuring, Series A-2 (AGC),		
6.00%, 1/01/23	850	1,011,628
Parish of St. Charles Louisiana Gulf Opportunity Zone, RB, Valero Energy Corp. Project,		
4.00%, 12/01/40(a)	1,760	1,941,491
Port of New Orleans Louisiana, Refunding RB, Continental Grain Co. Project,		
6.50%, 1/01/17	3,500	3,521,560
		22,611,475

Maine 0.3%

Portland New Public Housing Authority Maine, Refunding RB, Senior Living, Series A,		
6.00%, 2/01/34	1,965	2,026,013

Maryland 0.8%

Maryland EDC, RB, Transportation Facilities Project, Series A,		
5.13%, 6/01/20	1,750	2,036,878
Maryland EDC, Refunding RB, CNX Marine Terminals Inc.,		
5.75%, 9/01/25	790	882,375
Maryland Health & Higher Educational Facilities Authority, RB, Johns Hopkins Health System, Series B,		
5.00%, 7/01/33	1,140	1,344,242
Maryland Industrial Development Financing Authority, RB, Our Lady of Good Counsel School, Series A,		
6.00%, 5/01/35	500	522,485
		4,785,980

Massachusetts 0.2%

Massachusetts Health & Educational Facilities Authority, Refunding RB, Winchester Hospital,		
5.00%, 7/01/25	1,060	1,177,660

Michigan 4.0%

City of Detroit Michigan, Refunding RB, Second Lien, Series C (BHAC),		
5.75%, 7/01/26	4,235	4,887,529
Manistee Area Public Schools, GO, Refunding (Q-SBLF),		
5.00%, 5/01/25	1,000	1,179,330

BLACKROCK MUNI INTERMEDIATE DURATION FUND, INC.

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Schedule of Investments (continued)

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

	Par (000)	Value
Municipal Bonds		
Michigan (concluded)		
Michigan State Building Authority, Refunding RB, Facilities Program, Series II-A, 5.00%, 10/15/24	\$ 2,500	\$ 2,968,500
Michigan State Hospital Finance Authority, Refunding RB, Henry Ford Health, 5.25%, 11/15/24	4,900	5,622,995
State of Michigan Trunk Line, RB, Fund, 5.00%, 11/15/31	2,000	2,366,260
Wayne County Airport Authority, RB, Detroit Metropolitan Wayne County Airport, AMT (AGC), 4.75%, 12/01/18	7,665	8,261,567
		25,286,181
Minnesota 0.9%		
City of St. Cloud Minnesota, Refunding RB, Centracare Health System, Series A, 4.25%, 5/01/21	2,300	2,581,520
Minneapolis-St Paul Metropolitan Airports Commission, Refunding RB, Series B: 5.00%, 1/01/30	1,000	1,163,930
5.00%, 1/01/31	750	872,310
University of Minnesota, RB, Biomedical Science Research Facilities Funding Program, Series B, 5.00%, 8/01/36	1,000	1,169,510
		5,787,270
Mississippi 0.8%		
Mississippi Business Finance Corp., Refunding RB, System Energy Resource Inc. Project, 5.88%, 4/01/22	5,000	5,015,250
Missouri 2.7%		
Missouri Development Finance Board, RB, St. Joseph Sewage System Improvements, Series E, 4.75%, 5/01/26	750	792,795
Missouri Joint Municipal Electric Utility Commission Power, RB, Prairie State Project, Series A (BHAC), 5.00%, 1/01/32	5,000	5,610,450
Missouri State Environmental Improvement & Energy Resources Authority, Refunding RB, Revolving Funds Program, Series A, 5.00%, 1/01/25	3,150	3,895,006
Missouri State Health & Educational Facilities Authority, Refunding RB, SSM Health Care, Series B, 4.25%, 6/01/25	5,975	6,545,553
		16,843,804
Montana 0.5%		
Montana Facility Finance Authority, Refunding RB, Series B, 5.00%, 1/01/24	2,625	3,017,831
Nebraska 0.9%		
Douglas County School District No. 17 Nebraska, GO, Refunding, 2.00%, 6/15/25	4,380	4,272,471
Lancaster County Hospital Authority No. 1, Refunding RB, Immanuel Obligation Group, 5.50%, 1/01/30	1,000	1,131,070
		5,403,541

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Nevada 0.7%

County of Humboldt Nevada, Refunding RB, Idaho Power Co. Project, 5.15%, 12/01/24	3,800	4,253,188
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New Hampshire 0.6%

New Hampshire State Turnpike System, RB, Series C, 4.00%, 8/01/30	3,765	4,032,390
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New Jersey 15.5%

Essex County Improvement Authority, RB, Newark Project, Series A (AGM), 5.00%, 11/01/20	2,000	2,318,600
Garden State Preservation Trust, RB, Election of 2005, Series A (AGM)(b): 5.80%, 11/01/15	3,635	4,160,076
5.80%, 11/01/15	5,050	5,779,472
New Jersey EDA, RB: Continental Airlines Inc. Project, AMT, 6.40%, 9/15/23	6,040	6,201,510
Motor Vehicle Surcharge, Series A (NPFGC), 5.25%, 7/01/33	10,000	10,564,900
New Jersey EDA, Refunding RB: New Jersey American Water Co., Series E, AMT, 4.70%, 12/01/25	3,000	3,287,280
School Facilities Construction, Series AA, 4.25%, 12/15/24	3,850	4,225,952
School Facilities Construction, Series EE, 5.00%, 9/01/23	3,465	4,096,219
New Jersey Health Care Facilities Financing Authority, Refunding RB, Hackensack University Medical, Series B (AGM), 4.00%, 1/01/24	635	688,842
New Jersey Higher Education Student Assistance Authority, Refunding RB: Series 1, AMT, 5.50%, 12/01/26	1,665	1,882,416
Series 1, AMT, 5.00%, 12/01/27	12,000	12,944,640
Series 1A, 4.75%, 12/01/21	2,370	2,663,690

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 State Housing & Mortgage Finance Agency, RB, S/F Housing, Series X, AMT, 5.10%, 10/01/23	\$ 3,150	\$ 3,355,349
New Jersey State Turnpike Authority, Refunding RB, Series B, 5.00%, 1/01/29	10,000	11,760,600
New Jersey Transportation Trust Fund Authority, RB, Transportation System: CAB, Series C (AMBAC), 3.99%, 12/15/25(e)	9,450	5,683,702
Series A, 5.25%, 6/15/24	3,185	3,832,733
Series B, 5.50%, 6/15/31	10,000	11,895,500
South Jersey Port Corp., RB, Marine Terminal, Series O-1 (AGC), 4.63%, 1/01/23	1,375	1,547,233
State of New Jersey, GO, Refunding, Series O, 5.25%, 8/01/21	1,355	1,708,533
		98,597,247
New York 19.9%		
City of New York, New York, GO, Series D1, 5.13%, 12/01/26	4,615	5,401,488
City of New York, New York, GO, Refunding: Series B, 5.00%, 8/01/30	2,210	2,639,558
Series E, 5.00%, 8/01/27	3,500	4,154,570
Essex County Industrial Development Agency, Refunding RB, International Paper, Series A, AMT, 5.20%, 12/01/23	6,300	6,509,286
Hudson New York Yards Infrastructure Corp., RB, Series A, 5.75%, 2/15/47	4,250	5,071,568
Long Island Power Authority, Refunding RB, Series A, 5.50%, 4/01/24	1,000	1,191,390
Metropolitan Transportation Authority, RB: Sub-Series B-1, 5.00%, 11/15/24	2,300	2,800,733
Sub-Series B-4, 5.00%, 11/15/24	1,500	1,826,565
Transportation, Series A, 5.00%, 11/15/25	1,980	2,229,995
Metropolitan Transportation Authority, Refunding RB: Series B, 5.25%, 11/15/25	4,000	4,825,520
Series F, 5.00%, 11/15/30	1,460	1,706,039
New York City Industrial Development Agency, RB, Continental Airlines Inc. Project, Mandatory Put Bonds, AMT, 8.38%, 11/01/16(a)	3,500	3,517,500
New York City Industrial Development Agency, Refunding RB, New York Stock Exchange Project, Series A, 4.25%, 5/01/24	1,740	1,904,256
New York City Transitional Finance Authority, RB, Fiscal 2009, Series S-3, 5.00%, 1/15/23	3,560	4,158,329
New York City Trust for Cultural Resources, Refunding RB, Carnegie Hall, Series A, 5.00%, 12/01/29	2,750	3,144,020
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	3,464,550
New York State Dormitory Authority, LRB, Municipal Health Facilities, Sub-Series 2-4, 5.00%, 1/15/27		