

BLACKROCK MUNICIPAL INCOME INVESTMENT TRUST  
Form N-Q  
December 23, 2008

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 811-10333

Name of Fund: BlackRock Municipal Income Investment Trust (BBF)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Donald C. Burke, Chief Executive Officer, BlackRock Municipal Income Investment Trust, 800 Scudders Mill Road, Plainsboro, NJ, 08536. Mailing address: P.O. Box 9011, Princeton, NJ, 08543-9011

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

Date of fiscal year end: 07/31/2009

Date of reporting period: 08/01/2008 ☐ 10/31/2008

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## Item 1 ☐ Schedule of Investments

**BlackRock Municipal Income Investment Trust****Schedule of Investments October 31, 2008 (Unaudited)****(Percentages shown are based on**

<b>State</b>	<b>Municipal Bonds</b>	<b>Par (000)</b>
<b>Florida - 138%</b>	Ave Maria Stewardship Community District, Florida, Revenue Bonds, 4.80%, 11/01/12	\$ 1,000
	Beacon Tradeport Community Development District, Florida, Special Assessment Revenue Refunding Bonds (Commercial Project), Series A, 5.625%, 5/01/32 (a)	7,705
	Brevard County, Florida, Health Facilities Authority, Healthcare Facilities Revenue Bonds (Health First, Inc. Project), 5%, 4/01/36	2,000
	Broward County, Florida, School Board, COP, Series A, 5.25%, 7/01/33 (b)	1,700
	Capital Projects Finance Authority, Florida, Student Housing Revenue Bonds (Capital Projects Loan Program), Senior Series F-1, 5%, 10/01/31 (c)	2,800
	Capital Region Community Development District, Florida, Special Assessment Revenue Bonds, Series A, 7%, 5/01/39	640
	Escambia County, Florida, Health Facilities Authority, Health Facility Revenue Bonds (Florida Health Care Facility Loan), 5.95%, 7/01/20 (d)	799
	Fort Myers, Florida, Utility System Revenue Refunding Bonds, 5%, 10/01/31 (c)	1,355
	Halifax Hospital Medical Center, Florida, Hospital Revenue Refunding and Improvement Bonds, Series A, 5.25%, 6/01/26	2,500
	Heritage Harbour North Community Development District, Florida, Capital Improvement Bonds, 6.375%, 5/01/38	1,500
	Heritage Harbour South Community Development District, Florida, Capital Improvement Special Assessment Bonds, Series A, 6.50%, 5/01/34	1,610
	Highlands County, Florida, Health Facilities Authority, Hospital Revenue Bonds (Adventist Health System), Series A, 6%, 11/15/11 (e)	6,500
	Hillsborough County, Florida, IDA, PCR, Refunding (Tampa Electric Company Project), 5.50%, 10/01/23	1,450
	Hillsborough County, Florida, IDA, PCR, Refunding (Tampa Electric Company Project), Series A, 5.65%, 5/15/18	900
	Jacksonville, Florida, Health Facilities Authority, Hospital Revenue Bonds (Baptist Medical Center Project), 5%, 8/15/37 (b)	2,280
	Jacksonville, Florida, Sales Tax Revenue Bonds, 5%, 10/01/30	4,085
	Jacksonville, Florida, Transit Revenue Bonds, 5%, 10/01/26 (c)	4,000
	Laguna Lakes Community Development District, Florida, Special Assessment Revenue Refunding Bonds, Series A, 6.40%, 5/01/13 (e)	1,575
	Lee County, Florida, IDA, Health Care Facilities, Revenue Refunding Bonds (Shell Point/Alliance Obligor Group), 5%, 11/15/32	1,430
	Lee Memorial Health System, Florida, Hospital Revenue Bonds, Series A, 5%, 4/01/32 (d)	1,000

**Portfolio Abbreviations**

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

<b>AMT</b>	Alternative Minimum Tax (subject to)	<b>IDA</b>	Industrial Development Authority
<b>CABS</b>	Capital Appreciation Bonds	<b>IDR</b>	Industrial Development Revenue Bonds
<b>COP</b>	Certificates of Participation	<b>PCR</b>	Pollution Control Revenue Bonds
<b>GO</b>	General Obligation Bonds		

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<b>State</b>	<b>Municipal Bonds</b>	<b>Par (000)</b>
	Madison County, Florida, First Mortgage Revenue Bonds (Twin Oaks Project), Series A, 6%, 7/01/25	\$ 1,620
	Melbourne, Florida, Water and Sewer Revenue Bonds, 5.23%, 10/01/21 (f)(g)(h)	2,770
	Miami Beach, Florida, Health Facilities Authority, Hospital Revenue Refunding Bonds (Mount Sinai Medical Center of Florida), 6.75%, 11/15/21	1,565
	Miami-Dade County, Florida, Expressway Authority, Toll System Revenue Refunding Bonds, 5.125%, 7/01/25 (c)(f)	1,000
	Miami-Dade County, Florida, School Board, COP, Refunding, Series B, 5.25%, 5/01/28 (i)	1,440
	Miami-Dade County, Florida, School Board, COP, Refunding, Series B, 5.25%, 5/01/30 (i)	1,160
	Miami-Dade County, Florida, Special Obligation Revenue Bonds, Sub-Series B, 5.596%, 10/01/33 (c)(h)	9,700
	Miami-Dade County, Florida, Special Obligation Revenue Bonds, Sub-Series C, 5.623%, 10/01/28 (c)(h)	25,000
	Miami-Dade County, Florida, Special Obligation Revenue Refunding Bonds, Sub-Series A, 5.535%, 10/01/19 (c)(h)	2,595
	New River Community Development District, Florida, Capital Improvement Revenue Bonds, Series B, 5%, 5/01/13	1,500
	Northern Palm Beach County Improvement District, Florida, Water Control and Improvement Revenue Bonds (Unit of Development Number 43), 6.10%, 8/01/11 (e)	1,155
	Northern Palm Beach County Improvement District, Florida, Water Control and Improvement Revenue Bonds (Unit of Development Number 43), 6.125%, 8/01/11 (e)	3,500
	Northern Palm Beach County Improvement District, Florida, Water Control and Improvement Revenue Bonds (Unit of Development Number 43), 6.10%, 8/01/21	225
	Orange County, Florida, Educational Facilities Authority, Educational Facilities Revenue Bonds (Rollins College Project), 5.25%, 12/01/27 (d)	1,000
	Orange County, Florida, Health Facilities Authority, Health Care Revenue Refunding Bonds (Orlando Lutheran Towers), 5.375%, 7/01/20	655
	Orange County, Florida, Health Facilities Authority, Hospital Revenue Bonds (Orlando Regional Healthcare), 5.70%, 7/01/26	600
	Orange County, Florida, Health Facilities Authority, Hospital Revenue Refunding Bonds (Orlando Regional Healthcare), Series B, 5.25%, 12/01/29 (b)	1,200
	Orange County, Florida, Tourist Development, Tax Revenue Refunding Bonds, 5%, 10/01/29 (d)	1,300
	Orlando, Florida, Senior Tourist Development Tax Revenue Bonds (6th Cent Contract Payments), Series A, 5.25%, 11/01/38 (i)	1,000
	Orlando-Orange County Expressway Authority, Florida, Expressway Revenue Bonds, Series A, 5%, 7/01/32 (b)	2,000
	Palm Beach County, Florida, School Board, COP, Refunding,	

Series B, 5%, 8/01/25 (d)

2,500

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<b>State</b>	<b>Municipal Bonds</b>	<b>Par (000)</b>
	Pine Ridge Plantation Community Development District, Florida, Capital Improvement and Special Assessment Bonds, Series B, 5%, 5/01/11	\$ 580
	Saint Johns County, Florida, Ponte Vedra Utility System Revenue Bonds, 5%, 10/01/35 (b)	1,000
	Saint Johns County, Florida, Water and Sewer Revenue Bonds, CABS, 5.335%, 6/01/30 (d)(h)	3,945
	South Miami Health Facilities Authority, Florida, Hospital Revenue Bonds (Baptist Health System Obligation Group), 5.25%, 2/01/13 (e)	12,000
	South Miami Health Facilities Authority, Florida, Hospital Revenue Refunding Bonds (Baptist Health System Obligation Group), 5%, 8/15/32	1,000
	Sumter County, Florida, IDA, IDR (North Sumter Utility Company LLC), AMT, 6.80%, 10/01/32	2,655
	Suncoast Community Development District, Florida, Capital Improvement Revenue Bonds, Series A, 5.875%, 5/01/34	985
	Tampa, Florida, Revenue Bonds (University of Tampa Project), 5.625%, 4/01/32 (a)	5,500
	Tampa, Florida, Water and Sewer Revenue Refunding Bonds, Series A, 5%, 10/01/26	4,000
	Tolomato Community Development District, Florida, Special Assessment Bonds, 6.55%, 5/01/27	1,250
	Village Center Community Development District, Florida, Recreational Revenue Bonds, Series A, 5%, 11/01/32 (c)	1,795
	Village Community Development District Number 5, Florida, Special Assessment Bonds, Series A, 6%, 5/01/22	2,765
	Village Community Development District Number 5, Florida, Special Assessment Bonds, Series A, 6.50%, 5/01/33	1,325
	Volusia County, Florida, Educational Facility Authority, Educational Facilities Revenue Bonds (Embry-Riddle Aeronautical University Project), Series A, 5.75%, 10/15/29	2,000
	Watergrass Community Development District, Florida, Special Assessment Revenue Bonds, Series B, 5.125%, 11/01/14	1,000
<b>Nevada - 3.2%</b>	Clark County, Nevada, Water Reclamation District, Limited Tax, GO, 6%, 7/01/38	2,500
<b>New York - 1.7%</b>	New York City, New York, City Municipal Water Finance Authority, Water and Sewer System Revenue Bonds, Series A, 5.75%, 6/15/40	1,400
<b>South Carolina - 2.1%</b>	South Carolina State Public Service Authority, Revenue Refunding Bonds, Series A, 5.50%, 1/01/38	1,750
<b>Texas - 1.5%</b>	North Texas Tollway Authority, System Revenue Refunding Bonds, First Tier, Series K-1, 5.75%, 1/01/38 (i)	1,250
<b>Puerto Rico - 2.3%</b>	Puerto Rico Commonwealth Aqueduct and Sewer Authority, Senior Lien Revenue Bonds, Series A, 6%, 7/01/44	2,100
	<b>Total Municipal Bonds - 148.8%</b>	
	<b>Municipal Bonds Transferred to Tender Option Bond Trusts (j)</b>	
<b>Florida - 9.4%</b>	Jacksonville Electric Authority, Florida, Saint John's River Power Park	



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<b>State</b>	<b>Municipal Bonds</b>	<b>Par (000)</b>	<b>V</b>
	Jacksonville, Florida, Economic Development Commission, Health Care Facilities Revenue Bonds (Mayo Clinic-Jacksonville), Series B, 5.50%, 11/15/36	\$ 7,493	\$ 6,
	<b>Total Municipal Bonds Transferred to Tender Option Bond Trusts - 9.4%</b>		7,
	<b>Total Long-Term Investments (Cost - \$140,127,400) - 158.2%</b>		127,
	<b>Short-Term Securities</b>	<b>Shares</b>	
	CMA Florida Municipal Money Fund, 1.20% (k)(l)	11,720,185	11,
	<b>Total Short-Term Securities (Cost - \$11,720,185) - 14.6%</b>		11,
	<b>Total Investments (Cost - \$151,847,585*) - 172.8%</b>		138,
	<b>Liabilities in Excess of Other Assets - (4.1)%</b>		(3,
	<b>Liability for Trust Certificates, Including Interest Expense and Fees Payable - (7.0)%</b>		(5,
	<b>Preferred Shares, at Redemption Value - (61.7)%</b>		(49,
	<b>Net Assets Applicable to Common Shares - 100.0%</b>		\$ 80,

\* The cost and unrealized appreciation (depreciation) of investments as of October 31, 2008, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$	145,685,423
Gross unrealized appreciation	\$	2,812,688
Gross unrealized depreciation		(15,271,657)
Net unrealized depreciation	\$	(12,458,969)

- (a) Radian Insured.
- (b) FSA Insured.
- (c) MBIA Insured.
- (d) AMBAC Insured.
- (e) U.S. 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.
- (f) FGIC Insured.
- (g) Security is collateralized by Municipal or U.S. Treasury Obligations.
- (h) Represents a zero-coupon bond. The interest rate shown is the effective yield at the time of purchase.
- (i) Assured Guaranty Insured.
- (j) Securities represent bonds transferred to a tender option bond trust in exchange for which the Trust acquired residual interest certificates. These securities serve as collateral in a financing transaction.
- (k) Represents the current yield as of report date.
- (l) Investments in companies considered to be an affiliate of the Trust, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, were as follows:

<b>Affiliate</b>	<b>Net Activity</b>	<b>Income</b>
CMA Florida Municipal Money Fund	5,216,852	\$ 39,136



## BlackRock Municipal Income Investment Trust

### Schedule of Investments October 31, 2008 (Unaudited)

- Effective August 1, 2008, the Trust adopted Financial Accounting Standards Board Statement of Financial Accounting Standards No. 157, "Fair Value Measurements" ("FAS 157"). FAS 157 clarifies the definition of fair value, establishes a framework for measuring fair values and requires additional disclosures about the use of 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 securities
- Level 2 - other observable inputs (including, but not limited to: quoted prices for 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 circumstance, to the extent observable inputs are not available (including the Trust's own assumption used in determining the fair value of investments)

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities. For information about the Trust's policy regarding valuation of investments and other significant accounting policies, please refer to the Trust's most recent financial statements as contained in its annual report.

The following table summarizes the inputs used as of October 31, 2008 in determining the fair valuation of the Trust's investments:

<b>Valuation Inputs</b>	<b>Investments in Securities</b>
Level 1	\$ 11,720,185
Level 2	127,054,457
Level 3	-
<b>Total</b>	<b>\$ 138,774,642</b>

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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 Municipal Income Investment Trust

By: /s/ Donald C. Burke  
Donald C. Burke  
Chief Executive Officer of  
BlackRock Municipal Income Investment Trust

Date: December 19, 2008

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/ Donald C. Burke  
Donald C. Burke  
Chief Executive Officer (principal executive officer) of  
BlackRock Municipal Income Investment Trust

Date: December 19, 2008

By: /s/ Neal J. Andrews  
Neal J. Andrews  
Chief Financial Officer (principal financial officer) of  
BlackRock Municipal Income Investment Trust

Date: December 19, 2008

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