

BLACKROCK CORE BOND TRUST

Form N-Q

March 29, 2007

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: 811-10543

BlackRock Core Bond Trust
(Exact name of registrant as specified in charter)

100 Bellevue Parkway, Wilmington, DE
(Address of principal executive offices)

19809
(Zip code)

Robert S. Kapito, President
BlackRock Core Bond Trust
40 East 52nd Street, New York, NY 10022

(Name and address of agent for service)

Registrant's telephone number, including area code: 888-825-2257

Date of fiscal year end: October 31, 2007

Date of reporting period: January 31, 2007

Item 1. Schedule of Investments.

The Registrant's unaudited schedule of investments as of the close of the reporting period pursuant to Rule 30b1-5 under the Investment Company Act of 1940 is as follows:

PORTFOLIO OF INVESTMENTS (unaudited)**JANUARY 31, 2007****BlackRock Core Bond Trust (BHK)****(Percentage of Net Assets)**

Rating1	Principal Amount (000)	Description
		LONG-TERM INVESTMENTS 101.5%
		Mortgage Pass-Through Securities 11.7%
		Federal Home Loan Mortgage Corp.,
	\$ 81	5.00%, 8/01/33
	5,735	5.50%, 11/01/18-5/01/36
	1,6742	5.50%, 11/01/18
	2,896	6.00%, 2/01/13-12/01/18
	26	7.00%, 9/01/31
	723	7.335%, 5/01/32
		Federal National Mortgage Assoc.,
	46	4.50%, 2/01/20
	10,990	5.00%, 11/01/17-6/01/36
	1,1752	5.00%, 1/01/18
	4,047	5.50%, 1/01/18-4/01/36
	2,825	5.97%, 8/01/16
	1,953	6.00%, 8/01/29-11/01/36
	9,0002	6.00%, 2/01/36-11/01/36
	332	7.00%, 1/01/31-7/01/32
	246	Government National Mortgage Assoc., 5.50%, 8/15/33
		Small Business Administration,
	849	Ser. P10B, Class 1, 4.754%, 8/01/14
	1,645	Ser. P10B, Class 1, 5.136%, 8/01/13
		Total Mortgage Pass-Through Securities
		Federal Housing Administration Security 0.3%
	1,045	FHA Hebre Home Hospital, 6.25%, 9/01/28
		Agency Multiple Class Mortgage Pass-Through Securities 7.6%
		Federal Home Loan Mortgage Corp.,
	2,338	Ser. 82, Class HJ, 5.50%, 9/25/32
	1,200	Ser. 2562, Class PG, 5.00%, 1/15/18
	3,081	Ser. 2806, Class VC, 6.00%, 12/15/19
	1,407	Ser. 2825, Class VP, 5.50%, 6/15/15
	1,300	Ser. 2883, Class DR, 5.00%, 11/15/19
	3,298	Ser. 2922, Class GA, 5.50%, 5/15/34
	1,769	Ser. 2927, Class BA, 5.50%, 10/15/33
	1,700	Ser. 2933, Class HD, 5.50%, 2/15/35
	1,600	Ser. 2968, Class EG, 6.00%, 10/15/34
		Federal National Mortgage Assoc.,
	1,505	Ser. 3 Class AP, 5.50%, 2/25/35

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	3,101	Ser. 5, Class PK, 5.00%, 12/25/34
	1,984	Ser. 27, Class PC, 5.50%, 5/25/34
	1,947	Ser. 70, Class NA, 5.50%, 8/25/35
	1,7653	Ser. 118, Class FD, 5.72%, 12/25/33
		Total Agency Multiple Class Mortgage Pass-Through Securities
		Non-Agency Multiple Class Mortgage Pass-Through Securities 2.7%
		First Union National Bank Commercial Mortgage,
AAA	3,150	Ser. C3, Class A3, 6.423%, 8/15/33
AAA	2,265	Ser. C4, Class A2, 6.223%, 12/12/33
AAA	2,350	General Motor Acceptance Corp. Commercial Mortgage Securities, Inc., Ser. C4, Class A2, 4.9
AAA	2,501	Structured Asset Securities Corp., Ser. AL1, Class A2, 3.45%, 2/25/32
		Total Non-Agency Multiple Class Mortgage Pass-Through Securities
		Asset-Backed Securities 7.6%
AAA	2,800	Chase Manhattan Auto Owner Trust, Ser. B, Class A4, 4.88%, 6/15/12
AAA	2,825	Citibank Credit Card Issuance Trust, Ser. A2, Class A2, 4.85%, 2/10/11
		Countrywide Asset-Backed Certificates,
AAA	5813	Ser. 15, Class 2AV1, 5.42%, 4/25/36
AAA	1,3163	Ser. 16, Class 4AV1, 5.42%, 1/25/35
AAA	2,825	DaimlerChrysler Auto Trust, Ser. A, Class A3, 5.00%, 5/08/10
AAA	2,850	Ford Credit Auto Owner Trust, Ser. A, Class A4, 5.07%, 12/15/10
AAA	2,300	Harley-Davidson Motorcycle Trust, Ser. 2, Class A2, 4.07%, 2/15/12

BlackRock Core Bond Trust (BHK) (continued)
(Percentage of Net Assets)

Rating1	Principal Amount (000)	Description
Asset-Backed Securities (cont'd)		
A1	\$ 2,500	Maryland Trust, Ser. 1, Class A, 5.55%, 12/10/65
AAA	2,825	MBNA Credit Card Master Note Trust, Ser. A1, Class A, 4.90%, 7/15/11
AAA	1,250 ^{3,4}	Merrill Lynch Mortgage Investors, Inc., Ser. HE2, Class A2A, 5.43%, 9/25/36
AAA	9943	New Century Home Equity Loan Trust, Ser. C, Class A2A, 5.40%, 1/25/36
AAA	1,0233	SLM Student Loan Trust, Ser. 5, Class A1, 5.36%, 1/25/18
AAA	1,2543	Structured Asset Investment Loan Trust, Ser. 1, Class A1, 5.40%, 1/25/36
AAA	2,725	USAA Auto Owner Trust, Ser. 1 Class A4, 5.04%, 12/15/11
Total Asset-Backed Securities		
Interest Only Asset-Backed Securities 0.3%		
Sterling Coofs Trust,		
AAA	18,322	Ser. 1, 2.365%, 4/15/29
AAA	15,594	Ser. 2, 2.126%, 3/30/30
Total Interest Only Asset-Backed Securities		
Interest Only Mortgage-Backed Securities 1.0%		
Federal Home Loan Mortgage Corp.,		
	2,478	Ser. 2579, Class HI, 5.00%, 8/15/17
	6,425	Ser. 2611, Class QI, 5.50%, 9/15/32
Federal National Mortgage Assoc.,		
	27,692 ³	Ser. 90, Class JH, 1.38%, 11/25/34
	4,400	Ser. 378, Class 5, 5.00%, 7/01/36
Total Interest Only Mortgage-Backed Securities		
Commercial Mortgage-Backed Securities 6.4%		
AAA	2,180 ³	Banc of America Commercial Mortgage, Inc., Ser. 1, Class A4, 4.886%, 11/10/42
AAA	1,070	Commercial Mortgage Acceptance Corp., Ser. C2, Class A2, 6.03%, 9/15/30
AAA	2,720	Credit Suisse First Boston Mortgage Securities Corp., Ser. CP5, Class A2, 4.94%, 12/15/35
AAA	1,562	General Motor Acceptance Corp. Commercial Mortgage Securities, Inc., Ser. C3, Class A2, 7.00%, 11/15/30
AAA	2,536	Goldman Sachs Mortgage Securities Corp. II, Ser. C1, Class A3, 6.135%, 10/18/30
AAA	1,564	Heller Financial Commercial Mortgage Asset Co., Ser. PH1, Class A2, 6.847%, 5/15/31
JP Morgan Chase Commercial Mortgage Securities Corp.,		
AAA	2,140	Ser. C1, Class A3, 5.857%, 10/12/35
AAA	2,180	Ser. CBX, Class A4, 4.529%, 1/12/37
AAA	1,682	JP Morgan Commercial Mortgage Finance Corp., Ser. C10, Class A2, 7.371%, 8/15/32
AAA	2,329	Morgan Stanley Capital Trust I, Ser. HF2, Class A2, 6.48%, 11/15/30
AAA	3,500	Salomon Brothers Mortgage Securities VII, Ser. C1, Class A2, 7.52%, 12/18/09
Total Commercial Mortgage-Backed Securities		
Corporate Bonds 59.4%		
Aerospace & Defense 1.1%		
B	140	Argo-Tech Corp., 9.25%, 6/01/11
BB	1505	Bombardier, Inc., 8.00%, 11/15/14 (Canada)
B	1,305	DI Finance/DynCorp Intl., Ser. B, 9.50%, 2/15/13
DRS Technologies, Inc.,		
B	70	6.875%, 11/01/13
B	80	7.625%, 2/01/18
BBB+	960	Northrop Grumman Corp., 7.875%, 3/01/26

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BB	15	Sequa Corp., 9.00%, 8/01/09
A+	1,125	United Technologies Corp., 4.875%, 5/01/15
		Total Aerospace & Defense
		Automotive 1.2%
		AutoNation, Inc.,
BB+	150	7.00%, 4/15/14
BB+	1503	7.36%, 4/15/13
BB-	303,5	Avis Budget Car Rental LLC/Avis Budget Finance, Inc., 7.874%, 5/15/14
BBB+	660	DaimlerChrysler NA Holding Corp., 7.45%, 3/01/27
B-	485	Lear Corp., Ser. B, 8.75%, 12/01/16
B3	250	Metaldyne Corp., 10.00%, 11/01/13
B1	2,100	Sonic Automotive, Inc., Ser. B, 8.625%, 8/15/13
BB-	517	TRW Automotive, Inc., 9.375%, 2/15/13
		Total Automotive
		Basic Materials 3.6%
B+	750	Abitibi-Consolidated, Inc., 6.00%, 6/20/13 (Canada)
B+	995	AK Steel Corp., 7.75%, 6/15/12

BlackRock Core Bond Trust (BHK) (continued)
(Percentage of Net Assets)

Rating1	Principal Amount (000)	Description	Value
Basic Materials (cont'd)			
B	\$ 2505	American Pacific Corp., 9.00%, 2/01/15	\$ 250,000
B+	803	Bowater, Inc., 8.36%, 3/15/10	80,800
BB+	30	Chemtura Corp., 6.875%, 6/01/16	29,100
B-	200	CPG Intl. I, Inc., 10.50%, 7/01/13	208,500
B+	60	Domtar, Inc., 7.125%, 8/15/15 (Canada)	59,250
B+	150	Donohue Forest Products, 7.625%, 5/15/07 (Canada)	150,000
B	66	Huntsman LLC, 12.00%, 7/15/12	74,910
		Ineos Group Holdings Plc (United Kingdom)	
B+	285	7.875%, 2/07/16 (EUR)	350,096
B+	7305	8.50%, 2/15/16	698,975
B3	885	Innophos, Inc., 8.875%, 8/15/14	913,763
BBB	130	Ispat Inland ULC, 9.75%, 4/01/14 (Canada)	145,011
		Lyondell Chemical Co.,	
BB-	240	8.00%, 9/15/14	249,600
BB-	385	8.25%, 9/15/16	408,100
BB	220	Millennium America, Inc., 9.25%, 6/15/08	228,525
B2	510	NewPage Corp., 10.00%, 5/01/12	555,900
		Noranda, Inc. (Canada)	
BBB+	825	6.00%, 10/15/15	840,343
BBB+	1,250	6.20%, 6/15/35	1,232,642
		Nova Chemicals Corp. (Canada)	
BB-	50	6.50%, 1/15/12	47,250
BB-	6103	8.502%, 11/15/13	606,950
CCC+	5455	Pregis Corp., 12.375%, 10/15/13	599,500
B+	16	Rhodia S.A., 10.25%, 6/01/10 (France)	18,240
BBB	1,430	Teck Cominco Ltd., 6.125%, 10/01/35 (Canada)	1,365,002
BB-	4305	Terra Capital, Inc., 7.00%, 2/01/17	424,088
BBB-	2,150	Vale Overseas Ltd., 6.875%, 11/21/36 (Cayman Islands)	2,176,875
B-	305	Verso Paper Holdings LLC/Verson Paper, Inc., 11.375%, 8/01/16	31,800
		Total Basic Materials	13,407,032
Building & Development 0.2%			
B-	440	Goodman Global Holding Co., Inc., 7.875%, 12/15/12	442,200
B3	190	Nortek, Inc., 8.50%, 9/01/14	189,050
B3	85	North American Energy Partners, Inc., 8.75%, 12/01/11 (Canada)	85,000
		Total Building & Development	716,250
Business Equipment & Services 0.0%			
Ba2	1005	FTI Consulting, Inc., 7.75%, 10/01/16	103,250
Commercial Services 0.2%			
B2	165	Education Management LLC/Education Management Corp., 8.75%, 6/01/14	173,250
B-	1803,5	NCO Group, Inc., 10.244%, 11/15/13	180,000
B+	2005	Quebecor World, Inc., 9.75%, 1/15/15 (Canada)	208,750
		Total Commercial Services	562,000
Consumer Products 1.9%			
B3	90	ALH Finance LLC, 8.50%, 1/15/13	90,225

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CCC+	6503	Ames True Temper, Inc., 9.36%, 1/15/12	663,000
BBB+	530	Federated Department Stores, Inc., 6.79%, 7/15/27	526,499
BBB+	1,125	Federated Retail Holdings, Inc., 5.90%, 12/01/16	1,106,308
B-	205	Finlay Fine Jewelry Corp., 8.375%, 6/01/12	194,750
B-	320	Lazy Days RV Center, Inc., 11.75%, 5/15/12	311,200
B	3853	Levi Strauss & Co., 10.11%, 4/01/12	394,625
BBB+	30	May Department Stores Co., 6.65%, 7/15/24	29,663
		Michaels Stores, Inc.,	
B2	4705	10.00%, 11/01/14	499,375
Caa1	6005	11.375%, 11/01/16	645,000
B3	503,5	Nutro Products, Inc., 9.40%, 10/15/13	51,625
B	1,000	Pantry, Inc., 7.75%, 2/15/14	1,002,500
BB-	200	Quiksilver, Inc., 6.875%, 4/15/15	195,500
BB+	250	Reynolds American, Inc., 7.625%, 6/01/16	264,493
CCC	370	Spectrum Brands, Inc., 7.375%, 2/01/15	322,825

BlackRock Core Bond Trust (BHK) (continued)
(Percentage of Net Assets)

Rating1	Principal Amount (000)	Description	Value
Consumer Products (cont'd)			
B	\$ 655	United Rentals NA, Inc., 7.00%, 2/15/14	\$ 643,538
		Total Consumer Products	6,941,126
Containers & Packaging 0.8%			
		Berry Plastics Holding Corp.,	
B2	2705	8.875%, 9/15/14	278,775
B2	1803,5	9.235%, 9/15/14	184,950
B+	150	Crown Americas LLC/Crown Americas Capital Corp., 7.75%, 11/15/15	155,250
CCC+	75	Graham Packaging Co., Inc., 8.50%, 10/15/12	76,125
B1	3003,5	Impress Holdings BV, 8.585%, 9/15/13 (Netherlands)	300,663
B	1,500	Owens Brockway, 8.25%, 5/15/13	1,563,750
B+	421	Smurfit-Stone Container Enterprises, Inc., 9.75%, 2/01/11	434,683
		Total Containers & Packaging	2,994,196
Ecological Services & Equipment 0.2%			
Caa1	590	Waste Services, Inc., 9.50%, 4/15/14	613,600
Energy 7.1%			
BBB-	425	Amerada Hess Corp., 7.125%, 3/15/33	462,096
BBB-	2,350	Anadarko Petroleum Corp., 6.45%, 9/15/36	2,328,345
		ANR Pipeline Co.,	
B+	260	7.375%, 2/15/24	292,580
B+	410	9.625%, 11/01/21	545,522
B	140	Berry Petroleum Co., 8.25%, 11/01/16	137,900
CCC+	320	Chaparral Energy, Inc., 8.50%, 12/01/15	316,000
		Chesapeake Energy Corp.,	
BB	150	6.375%, 6/15/15	145,500
BB	20	6.875%, 11/15/20	19,200
BBB-	500	Cleveland Electric Illuminating Co., 5.95%, 12/15/36	478,150
Ba3	30	CMS Energy Corp., 7.50%, 1/15/09	30,750
Ba3	55	Compagnie Generale de Geophysique S.A., 7.50%, 5/15/15 (France)	55,138
B	235	Compton Petroleum Finance Corp., 7.625%, 12/01/13 (Canada)	224,425
A1	360	ConocoPhillips Funding Co., 5.95%, 10/15/36 (Canada)	360,135
BBB	725	DTE Energy Co., 6.35%, 6/01/16	751,534
BB-	115	Edison Mission Energy, 7.50%, 6/15/13	119,312
		El Paso Corp.,	
B2	100	7.80%, 8/01/31	106,750
B2	65	9.625%, 5/15/12	73,612
B2	150	10.75%, 10/01/10	169,500
		El Paso Natural Gas Co.,	
Ba1	850	7.625%, 8/01/10	884,000
Ba1	265	8.625%, 1/15/22	313,379
Ba1	225	8.875%, 6/15/32	270,173
Ba1	126	Elwood Energy LLC, 8.159%, 7/05/26	132,775
A-	1,000	EnCana Corp., 6.50%, 8/15/34 (Canada)	1,025,301
		Encore Acquisition Co.,	
B	40	6.00%, 7/15/15	36,000

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B	60	7.25%, 12/01/17	57,000
BBB	1,500	Energy East Corp., 6.75%, 7/15/36	1,584,601
B-	130	Exco Resources, Inc., 7.25%, 1/15/11	131,950
AA-	950	Florida Power & Light Co., 4.95%, 6/01/35	837,672
BB+	80	Grant Prideco, Inc., Ser. B, 6.125%, 8/15/15	76,600
BBB+	175	Halliburton Co., 7.60%, 8/15/96	199,029
B	495	Hilcorp Energy I LP/Hilcorp Finance Corp., 10.50%, 9/01/10	52,491
B-	210	KCS Energy, Inc., 7.125%, 4/01/12	200,550
A	700	Midamerican Energy Co., 5.80%, 10/15/36	687,770
Ba2	75	Midwest Generation LLC, Ser. B, 8.56%, 1/02/16	82,646
		Mirant Americas Generation LLC,	
Caa1	155	8.30%, 5/01/11	158,100
Caa1	50	8.50%, 10/01/21	50,750
Caa1	75	9.125%, 5/01/31	80,062
BB-	590	Mission Energy Holdings Co., 13.50%, 7/15/08	646,787
Aa3	1,0505	Nakilat, Inc., 6.067%, 12/31/33 (Qatar)	1,013,346
		NRG Energy, Inc.,	
B+	50	7.25%, 2/01/14	50,125
B+	285	7.375%, 2/01/16	285,356

BlackRock Core Bond Trust (BHK) (continued)
(Percentage of Net Assets)

Rating1	Principal Amount (000)	Description	Value
Energy (cont'd)			
A-	\$ 360	Occidental Petroleum Corp., 7.20%, 4/01/28	\$ 410,403
BBB	1,000	Ohio Edison Co., 6.875%, 7/15/36	1,087,191
BBB	425	ONEOK Partners LP, 6.65%, 10/01/36	437,554
BB	4505	OPTI, Inc., 8.25%, 12/15/14 (Canada)	470,250
B2	130	Orion Power Holdings, Inc., 12.00%, 5/01/10	149,175
BBB+	790	Peco Energy Capital Trust IV, 5.75%, 6/15/33	708,812
BBB	1,650	Pemex Project Funding Master Trust, 9.625%, 12/02/08	1,749,000
		Reliant Energy, Inc.,	
B	210	6.75%, 12/15/14	206,850
B	50	9.25%, 7/15/10	52,500
BB	3305	Sabine Pass LNG LP, 7.50%, 11/30/16	324,225
BBB+	700	Scottish Power Plc, 5.375%, 3/15/15 (United Kingdom)	686,498
B+	3155	SemGroup LP, 8.75%, 11/15/15	315,787
B3	4603,5	Stone Energy Corp., 8.11%, 7/15/10	459,425
A-	295	Suncor Energy, Inc., 5.95%, 12/01/34 (Canada)	292,395
B3	3205	Targa Resources, Inc., 8.50%, 11/01/13	320,800
AA	1,050	Texaco Capital, Inc., 8.875%, 9/01/21	1,372,809
A2	550	Transcanada Pipelines Ltd., 5.85%, 3/15/36 (Canada)	533,156
BBB-	20	Transcontinental Gas Pipe Line Corp., 7.25%, 12/01/26	21,000
B+	270	Utilicorp Finance Corp., 7.75%, 6/15/11 (Canada)	286,022
B1	375	Whiting Petroleum Corp., 7.25%, 5/01/12-5/01/13	372,187
BB+	260	Williams Cos., Inc., 8.75%, 3/15/32	295,750
		Total Energy	26,024,701
Entertainment & Leisure 0.8%			
		AMC Entertainment, Inc.,	