

BLACKROCK CALIFORNIA MUNICIPAL INCOME TRUST

Form N-Q

June 28, 2010

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 811-10331

Name of Fund: BlackRock California Municipal Income Trust (BFZ)

Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809

Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock California Municipal Income Trust, 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: 07/31/2010

Date of reporting period: 04/30/2010

Item 1 Schedule of Investments

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Schedule of Investments April 30, 2010 (Unaudited)

BlackRock California Municipal Income Trust (BFZ)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
California 111.0%		
Corporate 1.0%		
California Pollution Control Financing Authority, RB, Waste Management Inc. Project, Series C, AMT, 6.75%, 12/01/27	\$ 3,700	\$ 3,791,057
City of Chula Vista California, Refunding RB, San Diego Gas & Electric, Series A, 5.88%, 2/15/34	680	749,605
		<u>4,540,662</u>
County/City/Special District/School District 38.0%		
Benicia Unified School District, GO, CAB, Series B (NPFGC), 5.54%, 8/01/23 (a)	6,500	3,038,100
Butte-Glenn Community College District, GO, Election of 2002, Series C, 5.50%, 8/01/30	7,925	8,625,174
California State Department of Water Resources, Refunding RB, Water System, Series AF, 5.00%, 12/01/29	2,500	2,687,600
California State Public Works Board, RB, Various Capital Projects, Sub-Series I-1, 6.63%, 11/01/34	1,650	1,801,272
Central Unified School District, GO, Election of 2008, Series A (AGC), 5.63%, 8/01/33	400	428,712
Cerritos Community College District, GO, Election of 2004, Series C, 5.25%, 8/01/31	3,000	3,138,480
Chabot-Las Positas Community College District California, GO, Election of 2004, Series B (AMBAC), 5.00%, 8/01/31	2,500	2,549,550
City & County of San Francisco California, COP, Multiple Capital Improvement Projects, Series A, 5.00%, 4/01/29	3,035	3,060,949
Corona-Norca Unified School District California, Special Tax Bonds, Community Facilities District No. 98-1 (AMBAC), 5.10%, 9/01/32	6,000	5,797,800
County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 8/01/35	1,500	1,663,470
Elk Grove Unified School District California, Special Tax Bonds, CAB, Community Facilities No. 1		

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(AMBAC) (a):		
5.60%, 12/01/29	7,485	2,183,524

Municipal Bonds	Par (000)	Value
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California (continued)

County/City/Special District/School District (continued)

Elk Grove Unified School District California, Special Tax Bonds, CAB, Community Facilities No. 1 (AMBAC) (a) (concluded):		
5.60%, 12/01/30	\$ 7,485	\$ 2,025,965
5.60%, 12/01/31	7,485	1,889,513
Evergreen Elementary School District, GO, Election of 2006, Series B (AGC), 5.13%, 8/01/33	2,500	2,586,400
Glendale Community College District California, GO, Election of 2002, Series D (NPFGC), 5.00%, 11/01/31	2,500	2,551,425
Long Beach Unified School District California, GO, Refunding, Election of 2008, Series A, 5.75%, 8/01/33	4,135	4,528,900
Los Alamitos Unified School District California, GO, School Facilities Improvement District No. 1, 5.50%, 8/01/33	5,125	5,480,573
Los Angeles Municipal Improvement Corp., Refunding RB, Real Property, Series B (AGC), 5.50%, 4/01/30	2,580	2,754,047
Modesto Irrigation District, COP Capital Improvements, Series A:		
5.75%, 10/01/29	3,000	3,256,830
5.75%, 10/01/34	100	106,823
Series B, 5.50%, 7/01/35	5,700	6,017,889
Murrieta Valley Unified School District Public Financing Authority, Special Tax Bonds, Refunding, Series A (AGC), 5.13%, 9/01/26	1,000	1,052,070
Oak Grove School District California, GO, Election of 2008, Series A, 5.50%, 8/01/33	6,000	6,412,080
Orange County Water District, COP, Refunding, 5.25%, 8/15/34	2,000	2,124,040
Peralta Community College District California, GO, Election of 2006, Series C, 5.00%, 8/01/39	7,500	7,627,275
Pittsburg Redevelopment Agency, Tax Allocation Bonds, Refunding, Subordinate, Los Medanos Community Project, Series A, 6.50%, 9/01/28	5,500	6,076,070

Portfolio Abbreviations

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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)
CAB	Capital Appreciation Bonds
COP	Certificates of Participation
GO	General Obligation Bonds
LRB	Lease Revenue Bonds
M/F	Multi-Family
NPFGC	National Public Finance Guarantee Corp.
RB	Revenue Bonds

BLACKROCK CALIFORNIA MUNICIPAL INCOME TRUST

APRIL 30, 2010

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Schedule of Investments (continued)

BlackRock California Municipal Income Trust (BFZ)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
California (continued)		
County/City/Special District/School District (concluded)		
Pittsburg Unified School District, GO, Election of 2006, Series B (AGM), 5.50%, 8/01/34	\$ 2,000	\$ 2,116,660
Port of Oakland, Refunding RB, Series M, AMT (NPFGC), 5.38%, 11/01/27	3,300	3,232,251
San Bernardino Community College District California, GO, Election of 2002, Series C (AGM), 5.00%, 8/01/31	2,000	2,047,260
San Diego Community College District California, GO: 5.25%, 8/01/33	1,000	1,050,000
Election of 2002 (AGM), 5.00%, 5/01/25	10,615	11,225,150
San Diego Regional Building Authority California, RB, County Operations Center & Annex, Series A, 5.38%, 2/01/36	6,500	6,868,745
San Jose Financing Authority, Refunding RB, Civic Center Project, Series B (AMBAC), 5.00%, 6/01/37	6,000	6,017,400
San Jose Unified School District Santa Clara County California, GO, Election of 2002, Series D, 5.00%, 8/01/32	5,625	5,762,138
San Leandro Unified School District California, GO, Election of 2006, Series B (AGM), 6.25%, 8/01/29	1,125	1,284,356
Santa Ana Unified School District, GO, Election of 2008, Series A: 5.50%, 8/01/30	6,050	6,467,087
5.13%, 8/01/33	10,000	10,335,600
Santa Cruz County Redevelopment Agency California, Tax Allocation Bonds, Live Oak/Soquel Community Improvement, Series A: 6.63%, 9/01/29	1,000	1,085,760
7.00%, 9/01/36	1,700	1,885,402
Snowline Joint Unified School District, COP, Refunding, Refining Project (AGC), 5.75%, 9/01/38	2,000	2,211,220
Torrance Unified School District California, GO, Election of 2008, Measure Z, 6.00%, 8/01/33	4,000	4,433,720
	6,615	6,982,331

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Val Verde Unified School District California, GO, Election of 2008, Series A, 5.50%, 8/01/33		
Westminster Redevelopment Agency California, Tax Allocation Bonds, Subordinate, Commercial Redevelopment Project No. 1 (AGC), 6.25%, 11/01/39	7,750	8,832,442
		<u>171,302,053</u>

Municipal Bonds	Par (000)	Value
California (continued)		
Education 6.0%		
California Educational Facilities Authority, RB: 5.25%, 12/01/32	\$ 3,000	\$ 3,110,400
Scripps College (NPFGC), 5.00%, 8/01/31	2,385	2,388,268
University of San Diego, Series A, 5.25%, 10/01/30	2,250	2,268,698
California Educational Facilities Authority, Refunding RB, Loyola Marymount University, Series A, 5.13%, 10/01/40	1,605	1,615,063
Mount San Antonio Community College District California, GO, Election of 2001, Series D, 5.00%, 6/01/33	2,995	3,048,700
Peralta Community College District California, GO, Election of 2006, Series C, 5.50%, 8/01/29	2,890	3,102,010
University of California, RB, Limited Project, Series D: (AGM), 5.00%, 5/15/41	2,600	2,633,800
(NPFGC), 5.00%, 5/15/32	2,600	2,661,906
(NPFGC), 5.00%, 5/15/37	1,385	1,401,357
University of California, Refunding RB: General, Series A (AMBAC), 5.00%, 5/15/33	2,185	2,228,132
Series S, 5.00%, 5/15/40	2,500	2,578,850
		<u>27,037,184</u>

Health 15.4%		
ABAG Finance Authority for Nonprofit Corps, Refunding RB, Sharp Healthcare: 6.38%, 8/01/34	3,000	3,160,680
6.25%, 8/01/39	3,000	3,272,490
California Health Facilities Financing Authority, RB: Adventist Health System-West, Series A, 5.75%, 9/01/39	6,000	6,232,140
Catholic Healthcare West, Series J, 5.63%, 7/01/32	1,475	1,512,376

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California Health Facilities Financing Authority, Refunding RB:		
Catholic Healthcare West, Series A, 6.00%, 7/01/34	4,400	4,733,520
Catholic Healthcare West, Series A, 6.00%, 7/01/39	500	535,995
Catholic Healthcare West, Series E, 5.63%, 7/01/25	3,000	3,199,980
Providence Health & Services, Series C, 6.50%, 10/01/38	1,165	1,316,287
Scripps Health, Series A, 5.00%, 11/15/36	5,290	5,243,818
California Infrastructure & Economic Development Bank, RB, Kaiser Hospital Assistance I-LLC, Series A, 5.55%, 8/01/31	15,260	15,411,990

Schedule of Investments (continued)

BlackRock California Municipal Income Trust (BFZ)
(Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
California (continued)		
Health (concluded)		
California Statewide Communities Development Authority, RB: Health Facility, Memorial Health Services, Series A, 5.50%, 10/01/33	\$ 7,000	\$ 7,105,070
Kaiser Permanente, Series A, 5.50%, 11/01/32	10,000	10,125,600
California Statewide Communities Development Authority, Refunding RB, Catholic Healthcare West: Series B, 5.50%, 7/01/30	3,000	3,098,340
Series E, 5.50%, 7/01/31	4,500	4,622,940
		69,571,226
State 10.0%		
California State Public Works Board, RB: Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34	9,000	9,693,000
Various Capital Projects, Sub-Series I-1, 6.38%, 11/01/34	2,475	2,651,591
State of California, GO, Various Purpose: 6.00%, 3/01/33	5,000	5,503,550
6.50%, 4/01/33	23,825	27,012,071
		44,860,212
Transportation 9.5%		
County of Orange California, RB, Series B, 5.75%, 7/01/34	8,000	8,690,640
County of Sacramento California, RB, Senior Series B, 5.75%, 7/01/39	1,850	1,989,471
Foothill Eastern Transportation Corridor Agency California, RB, CAB, Senior Lien, Series A, 5.79%, 1/01/26 (a)(b)	10,000	5,181,800
Foothill Eastern Transportation Corridor Agency California, Refunding RB, CAB, 5.88%, 7/15/26	5,000	4,973,650
Los Angeles Department of Airports, Refunding RB, Senior, Los Angeles International Airport, Series A, 5.00%,	4,880	4,972,525

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5/15/40		
Port of Oakland, RB, Series K, AMT (NPFGC), 5.75%, 11/01/29	4,650	4,649,721
San Francisco City & County Airports Commission, RB, Series E, 6.00%, 5/01/39	6,750	7,403,670
San Joaquin Hills Transportation Corridor Agency California, Refunding RB, CAB, Series A (NPFGC) (a):		
5.50%, 1/15/31	10,000	1,931,500
5.51%, 1/15/34	20,000	3,044,200
		42,837,177

Municipal Bonds	Par (000)	Value
California (continued)		
Utilities 31.1%		
California Infrastructure & Economic Development Bank, RB, California Independent System Operator, Series A, 6.25%, 2/01/39	\$ 5,500	\$ 5,813,280
Calleguas-Las Virgines Public Financing Authority California, RB, Calleguas Municipal Water District Project, Series A (NPFGC), 5.13%, 7/01/32	5,475	5,645,327
City of Chula Vista California, Refunding RB, San Diego Gas & Electric:		
Series D, 5.88%, 1/01/34	1,000	1,102,360
Series E, 5.88%, 1/01/34	4,375	4,822,825
City of Los Angeles California, Refunding RB (NPFGC):		
Series A, 5.00%, 6/01/32	4,000	4,043,200
Sub-Series A, 5.00%, 6/01/27	5,000	5,198,550
City of Napa California, RB (AMBAC), 5.00%, 5/01/35	3,000	3,069,330
East Bay Municipal Utility District, RB (NPFGC):		
Series A, 5.00%, 6/01/37	4,000	4,174,280
Sub-Series A, 5.00%, 6/01/35	3,000	3,103,230
El Dorado Irrigation District & El Dorado Water Agency California, COP, Refunding, Series A, 5.75%, 3/01/24	5,000	5,577,400
Los Angeles Department of Water & Power, RB:		