

BLACKROCK CALIFORNIA MUNICIPAL INCOME TRUST

Form N-Q

December 23, 2009

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: 10/31/2009

Item 1 Schedule of Investments

BlackRock California Municipal Income Trust (BFZ)

Schedule of Investments October 31, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

| Municipal Bonds | | Par (000) | Value |
|---|--|--------------|--------------|
| California - 104.3% | | | |
| Corporate - 3.4% | | | |
| | California Pollution Control Financing Authority, RB, Waste Management Inc. Project, Series C, AMT, 6.75%, 12/01/27 | \$ 2,475 | \$ 2,546,527 |
| | City of Chula Vista California, RB, San Diego Gas, Series A, 5.88%, 2/15/34 | 680 | 733,441 |
| | Los Angeles Regional Airports Improvement Corp., California, RB, Series C, AMT, 7.50%, 12/01/24 | 4,110 | 3,914,117 |
| | | | 7,194,085 |
| County/City/Special District/School District - 32.5% | | | |
| | Butte-Glenn Community College District, GO, Election of 2002, Series C, 5.50%, 8/01/30 | 4,425 | 4,742,007 |
| | California State Department of Water Resources, Refunding RB, Water System, Series AF, 5.00%, 12/01/29 | 2,500 | 2,636,150 |
| | City & County of San Francisco, California, COP, Multiple Capital Improvement Projects, Series A, 5.00%, 4/01/29 | 2,000 | 2,001,400 |
| | Elk Grove Unified School District, California, Special Tax, CAB, Community Facilities No. 1 (AMBAC), 5.60%, 12/01/29 (a) | 7,485 | 2,265,186 |
| | Elk Grove Unified School District, California, Special Tax, CAB, Community Facilities No. 1 (AMBAC), 5.60%, 12/01/30 (a) | 7,485 | 2,112,566 |
| | Elk Grove Unified School District, California, Special Tax, CAB, Community Facilities No. 1 (AMBAC), 5.60%, 12/01/31 (a) | 7,485 | 1,972,597 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.59%, 8/01/18 (a)(b) | 985 | 291,865 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.60%, 8/01/18 (a)(b) | 1,030 | 288,328 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.61%, 8/01/18 (a)(b) | 1,080 | 285,541 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.62%, 8/01/18 (a)(b) | 1,125 | 280,890 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.63%, 8/01/18 (a)(b) | 1,175 | 276,983 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.64%, 8/01/18 (a)(b) | 1,230 | 273,700 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.65%, 8/01/18 (a)(b) | 1,285 | 269,863 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.66%, 8/01/18 (a)(b) | 1,340 | 265,548 |
| | Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.67%, 8/01/18 (a)(b) | 1,400 | 261,730 |
| 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. |
| AMBAC | American Municipal Bond Assurance Corp. |
| AMT | Alternative Minimum Tax (subject to) |
| CAB | Capital Appreciation Bonds |
| COP | Certificates of Participation |
| FGIC | Financial Guaranty Insurance Co. |
| FSA | Financial Security Assurance Inc. |
| GO | General Obligation Bonds |
| MBIA | Municipal Bond Investors Assurance (National Public Finance Guaranty Corp.) |
| RB | Revenue Bonds |
| TAN | Tax Anticipation Notes |

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(Percentages shown are based on Net Assets)

| Municipal Bonds | Par (000) | Value |
|---|--------------|------------|
| Live Oak Unified School District, GO, CAB, Election of 2004, Series B (Syncora), 5.68%, 8/01/18 (a)(b) | \$ 1,465 | \$ 258,338 |
| Long Beach Unified School District, California, GO, Election of 2008, Series A, 5.75%, 8/01/33 | 2,135 | 2,338,337 |
| Los Angeles County Metropolitan Transportation Authority, Refunding RB, Proposition C, 2nd Senior Series E, 5.00%, 7/01/27 | 2,775 | 2,902,595 |
| Los Angeles Municipal Improvement Corp., RB, Real Property, Series B (AGC), 5.50%, 4/01/30 | 2,570 | 2,708,909 |
| Modesto Irrigation District, COP, Series B, 5.50%, 7/01/35 | 3,300 | 3,476,385 |
| Oak Grove School District, California, GO, Election of 2008, Series A, 5.50%, 8/01/33 | 4,000 | 4,250,960 |
| Orange County Water District, COP, Refunding, 5.25%, 8/15/34 | 2,000 | 2,090,180 |
| Peralta Community College District, California, GO, 2006 Election, Series C, 5.00%, 8/01/39 | 7,500 | 7,574,400 |
| Pittsburg Redevelopment Agency, TAN, Refunding, Subordinate, Los Medanos Community Project, Series A, 6.50%, 9/01/28 | 2,500 | 2,700,100 |
| San Diego Community College District, California, GO, Election of 2002, 5.25%, 8/01/33 | 1,000 | 1,049,740 |
| San Diego Regional Building Authority, California, RB, County Operations Center & Annex, Series A, 5.38%, 2/01/36 | 2,900 | 2,988,189 |
| San Jose Unified School District, Santa Clara County California, GO, Election of 2002, Series D, 5.00%, 8/01/32 | 2,875 | 2,961,078 |
| Santa Ana Unified School District, GO, Election of 2008, Series A, 5.13%, 8/01/33 | 8,000 | 7,907,280 |
| Santa Cruz County Redevelopment Agency, California, TAN, Live Oak, Soquel Community Improvement, Series A, 7.00%, 9/01/36 | 1,200 | 1,273,404 |
| Torrance Unified School District, California, GO, Election of 2008, Measure Z, 6.00%, 8/01/33 | 2,500 | 2,797,400 |
| Westminster Redevelopment Agency, California, TAN, Subordinate, Commercial Redevelopment Project No. 1 (AGC), 6.25%, 11/01/39 | 2,350 | 2,679,752 |
| | | 68,181,401 |
| Education - 3.1% | | |
| California Infrastructure & Economic Development Bank, RB, J David Gladstone Institute Project, 5.25%, 10/01/34 | 6,000 | 5,627,640 |
| University of California, RB, Series L, 5.00%, 5/15/38 | 795 | 807,959 |
| | | 6,435,599 |
| Health - 13.9% | | |
| ABAG Finance Authority for Nonprofit Corp., RB, California Sharp Healthcare, 6.38%, 8/01/34 | 1,000 | 1,049,250 |
| ABAG Finance Authority for Nonprofit Corp., RB, California Sharp Healthcare, 6.25%, 8/01/39 | 3,000 | 3,224,040 |
| California Health Facilities Financing Authority, RB, Catholic Healthcare West, Series A, 6.00%, 7/01/34 | 3,000 | 3,152,400 |
| California Health Facilities Financing Authority, RB, Catholic Healthcare West, Series E, 5.63%, 7/01/25 (c) | 3,000 | 3,095,460 |

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| | | |
|---|--------|------------|
| California Infrastructure & Economic Development Bank, RB, Kaiser Hospital Assistance I, LLC, Series A, 5.55%, 8/01/31 | 13,500 | 13,566,690 |
| California Statewide Communities Development Authority, RB, Catholic Healthcare West, Series B, 5.50%, 7/01/30 | 3,000 | 3,050,400 |

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BlackRock California Municipal Income Trust (BFZ)

Schedule of Investments October 31, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

| | Municipal Bonds | Par (000) | Value |
|-------------------------------|--|--------------|--------------|
| | California Statewide Communities Development Authority, RB, Catholic Healthcare West, Series E, 5.50%, 7/01/31 | \$ 2,000 | \$ 2,019,760 |
| | | | 29,158,000 |
| Housing - 0.5% | California Housing Finance Agency, RB, Series J, AMT, 5.75%, 8/01/47 | 1,005 | 974,659 |
| State - 9.7% | California State Public Works Board, RB, Department Development Services, Porterville, Series C, 6.00%, 4/01/26 | 1,165 | 1,201,266 |
| | California State Public Works Board, RB, Department Development Services, Porterville, Series C, 6.00%, 4/01/27 | 1,355 | 1,390,189 |
| | California State Public Works Board, RB, Department Education, Riverside Campus Project, Series B, 6.00%, 4/01/27 | 1,675 | 1,718,500 |
| | California State Public Works Board, RB, Department Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 | 5,000 | 5,455,650 |
| | State of California, GO, Various Purpose, 6.50%, 4/01/33 | 9,700 | 10,720,537 |
| | | | 20,486,142 |
| Transportation - 12.1% | County of Orange California, RB, Series B, 5.75%, 7/01/34 | 3,000 | 3,227,640 |
| | County of Sacramento California, RB, Senior, Series B, 5.75%, 7/01/39 | 1,350 | 1,445,418 |
| | Foothill Eastern Transportation Corridor Agency, California, Refunding RB, 5.75%, 1/15/40 | 7,000 | 6,387,360 |
| | Foothill Eastern Transportation Corridor Agency, California, Refunding RB, CAB, 5.88%, 7/15/26 (d) | 5,000 | 4,950,550 |
| | Foothill Eastern Transportation Corridor Agency, California, Refunding RB, CAB, 6.18%, 1/15/35 (a) | 10,000 | 1,760,800 |
| | Port of Oakland, RB, Series K, AMT (MBIA), 5.75%, 11/01/29 | 3,970 | 3,973,692 |
| | Port of Oakland, RB, Series L, AMT (MBIA), 5.38%, 11/01/27 | 3,710 | 3,640,808 |
| | | | 25,386,268 |
| Utilities - 29.1% | California Infrastructure & Economic Development Bank, RB, California Independent System Operator, Series A, 6.25%, 2/01/39 | 2,500 | 2,654,300 |
| | Calleguas-Las Virgenes Public Financing Authority, California, RB, Calleguas Municipal Water District Project, Series A (MBIA), 5.13%, 7/01/32 | 5,475 | 5,631,804 |
| | City of Chula Vista California, Refunding RB, San Diego Gas, Series E, 5.88%, 1/01/34 | 4,375 | 4,718,831 |
| | City of Richmond California, RB, CAB (FGIC), 5.77%, 8/01/31 (a)(e) | 1,905 | 687,591 |
| | Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1, 5.25%, 7/01/38 | 3,500 | 3,681,370 |
| | Los Angeles Department of Water & Power, RB, Power System, Sub-Series A-1 (AMBAC), 5.00%, 7/01/37 | 10,000 | 10,171,300 |

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| | | |
|---|--------|------------|
| Los Angeles Department of Water & Power, RB, System, Series A, 5.38%, 7/01/34 | 1,400 | 1,480,332 |
| Los Angeles Department of Water & Power, RB, System, Series A, 5.38%, 7/01/38 | 1,800 | 1,903,284 |
| Metropolitan Water District of Southern California, Refunding RB, Series C, 5.00%, 7/01/35 | 3,500 | 3,641,330 |
| Orange County Sanitation District, COP, Series B (FSA), 5.00%, 2/01/37 | 10,000 | 10,188,000 |

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Schedule of Investments October 31, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

| | | Par (000) | Value |
|---|--|--------------|-------------------|
| Municipal Bonds | | | |
| | San Diego County Water Authority, COP, Series 2008 A, COP (FSA), 5.00%, 5/01/33 | \$ 10,040 | \$ 10,060,682 |
| | San Diego Public Facilities Financing Authority, RB, Senior, Series A, 5.25%, 5/15/34 | 4,000 | 4,065,960 |
| | San Diego Public Facilities Financing Authority, RB, Senior, Series A, 5.25%, 5/15/39 | 2,250 | 2,286,405 |
| | | | <u>61,171,189</u> |
| Total Municipal Bonds in California | | | 218,987,343 |
| Multi-State - 6.1% | | | |
| Housing - 6.1% | | | |
| | Charter Mac Equity Issuer Trust, 6.80%, 11/30/50 (f)(g) | 4,000 | 4,124,120 |
| | MuniMae TE Bond Subsidiary LLC, 6.30%, 6/30/49 (f)(g) | 7,000 | 6,492,360 |
| | MuniMae TE Bond Subsidiary LLC, 6.80%, 6/30/50 (f)(g) | 3,000 | 2,099,940 |
| Total Municipal Bonds in Multi-State | | | 12,716,420 |
| Total Municipal Bonds - 110.4% | | | 231,703,763 |
| Municipal Bonds Transferred to Tender Option Bond Trusts (h) | | | |
| California - 45.1% | | | |
| Corporate - 14.6% | | | |
| | Mount San Antonio Community College District, California, GO, Election 2001, Series C (FSA), 5.00%, 9/01/31 | 10,770 | 11,051,312 |
| | San Diego Community College District, California, GO, Election of 2006 (FSA), 5.00%, 8/01/32 | 9,000 | 9,225,990 |
| | Santa Clara County Financing Authority, Refunding RB, Lease, Series L, 5.25%, 5/15/36 | 10,000 | 10,462,029 |
| | | | <u>30,739,331</u> |
| County/City/Special District/School District - 15.1% | | | |
| | Los Angeles Community College District, California, GO, 2008 Election, Series A, 6.00%, 8/01/33 | 9,596 | 10,842,974 |
| | Los Angeles Unified School District, California, GO, Series I, 5.00%, 1/01/34 | 5,000 | 5,057,000 |
| | San Diego Community College District, California, GO, Election of 2002, 5.25%, 8/01/33 | 4,487 | 4,710,605 |
| | San Diego Community College District, California, GO, Election of 2002 (FSA), 5.00%, 5/01/25 | 10,615 | 11,059,664 |

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| | | | |
|--------------------------|---|--------|-------------|
| | | | 31,670,243 |
| Education - 11.4% | California Educational Facilities Authority, RB, Stanford University, Series Q, 5.25%, 12/01/32 | 10,000 | 10,374,787 |
| | California Educational Facilities Authority, RB, University of Southern California, Series A, 5.25%, 10/01/39 | 6,900 | 7,271,289 |
| | University of California, RB, Series O, 5.75%, 5/15/34 | 5,595 | 6,187,454 |
| | | | 23,833,530 |
| Utilities - 4.0% | Eastern Municipal Water District, California, Water and Sewer, COP, Series H, 5.00%, 7/01/33 | 8,356 | 8,467,300 |
| | Total Municipal Bonds Transferred to Tender Option Bond Trusts - 45.1% | | 94,710,404 |
| | Total Long-Term Investments (Cost - \$321,126,164) - 155.5% | | 326,414,167 |

BlackRock California Municipal Income Trust (BFZ)

Schedule of Investments October 31, 2009 (Unaudited)

(Percentages shown are based on Net Assets)

| Short-Term Securities | Shares | Value |
|--|-----------|-----------------------|
| CMA California Municipal Money Fund, 0.04% (i)(j) | 1,731,092 | \$ 1,731,092 |
| Total Short-Term Securities (Cost - \$1,731,092) - 0.8% | | 1,731,092 |
| Total Investments (Cost - \$322,857,256*) - 156.3% | | 328,145,259 |
| Other Assets Less Liabilities - 4.4% | | 9,155,250 |
| Liability for Trust Certificates, Including Interest Expense and Fees Payable - (26.9)% | | (56,428,072) |
| Preferred Shares, at Redemption Value - (33.8)% | | (71,006,171) |
| Net Assets Applicable to Common Shares - 100.0% | | \$ 209,866,266 |

* The cost and unrealized appreciation (depreciation) of investments as of October 31, 2009, as computed for federal income tax purposes, were as follows:

| | |
|-------------------------------|----------------|
| Aggregate cost | \$ 265,799,517 |
| Gross unrealized appreciation | \$ 9,959,264 |
| Gross unrealized depreciation | (3,992,299) |
| Net unrealized appreciation | \$ 5,966,965 |

- (a) Represents a zero-coupon bond. Rate shown reflects the current yield as of report date.
- (b) 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.
- (c) When-issued security.

| Counterparty | Market Value | Unrealized Appreciation |
|----------------|--------------|-------------------------|
| Citigroup Inc. | \$3,095,460 | |

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- (d) Represents a step-up bond that pays an initial coupon rate for the first period and then a higher coupon rate for the following periods. Rate shown reflects the current yield as of report date.
- (e) Security is collateralized by Municipal or US Treasury Obligations.
- (f) Security represents a beneficial interest in a trust. The collateral deposited into the trust is federally tax-exempt revenue bonds issued by various state or local governments, or their respective agencies or authorities. The security is subject to remarketing prior to its stated maturity, and is subject to mandatory redemption at maturity.
- (g) Security exempt from registration under Rule 144A of the Securities Act of 1933. These securities may be resold in transactions exempt from registration to qualified institutional investors.
- (h) 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.
- (i) Represents the current yield as of report date.
- (j) 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:

| Affiliate | Net Activity | Income |
|-------------------------------------|----------------|--------|
| CMA California Municipal Money Fund | \$ (1,899,704) | \$ 460 |

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 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 Trust's own assumptions used in determining the fair value of investments)

BlackRock California Municipal Income Trust (BFZ)

Schedule of Investments October 31, 2009 (Unaudited)

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, 2009 in determining the fair valuation of the Trust's investments:

| Valuation Inputs | Investments in Securities |
|---|------------------------------|
| | <u>Assets</u> |
| Level 1 - Short-Term Securities | \$ 1,731,092 |
| Level 2 - Long-Term Investments ¹ | 326,414,167 |
| Level 3 | |
| Total | \$ 328,145,259 |

¹ See above Schedule of Investments for values in each sector.

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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 13(a)-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 California Municipal Income Trust

By: /s/ Anne F. Ackerley

Anne F. Ackerley
Chief Executive Officer of
BlackRock California Municipal Income Trust

Date: December 18, 2009

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/ Anne F. Ackerley

Anne F. Ackerley
Chief Executive Officer (principal executive officer) of
BlackRock California Municipal Income Trust

Date: December 18, 2009

By: /s/ Neal J. Andrews

Neal J. Andrews
Chief Financial Officer (principal financial officer) of
BlackRock California Municipal Income Trust

Date: December 18, 2009