BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC

Form N-Q December 22, 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 811-06692
Name of Fund: BlackRock MuniYield California Quality Fund, Inc. (MCA)
Fund Address: 100 Bellevue Parkway, Wilmington, DE 19809
Name and address of agent for service: Anne F. Ackerley, Chief Executive Officer, BlackRock MuniYield California Quality Fund, Inc., 55 East 52 <sup>nd</sup> Street, New York, NY 10055
Registrant's telephone number, including area code: (800) 882-0052, Option 4
Date of fiscal year end: 07/31/2011
Date of reporting period: 10/31/2010
Item 1 – Schedule of Investments

Schedule of Investments October 31, 2010 (Unaudited)

California 91.6%   Corporate 0.9%   City of Chula Vista California, Refunding RB, San Diego Gas & Flectric, Series A, 5.8%, 2.15744   \$ 2.435 \$ 2.747,021   University of California, BL Limited Project, Series B, GAGM), 5.00%, 5/15/34   \$ 2.435 \$ 2.747,021   University of California, BL Limited Project, Series B (AGM), 5.00%, 5/15/34   \$ 1.760   1.822,814   \$ 4.569,835   County/City/Special District/School District   47.0%   Arcadia Unified School District   California, GO, Election of 2006, Series A (AGM), 5.00%, 80/137   8.000   8.246,24	Municipal Bonds	Par (000)	Value
City of Chula Vista California, Refunding RB. San Diego Gas & Electric, Series A, 5.88%, 215734 \$ 2,747,021 University of California, RB. Limited Project, Series B (AGM), 5.00%, 515733 \$ 1,760 \$ 1.822,814 \$ 4,569,835 \$ 1,760 \$ 1.822,814 \$ 4,569,835 \$ 1,760 \$ 1.822,814 \$ 4,569,835 \$ 1,760 \$ 1.822,814 \$ 4,569,835 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1.822,814 \$ 1,760 \$ 1,760 \$ 1,760 \$	California 91.6%		
RB. San Diego Gas & Electric, Series A, 5488, 215744  \$ 52,435 \$ 2,747,021 University of California, RB, Limited Project, Series B (AGM), 5,00%, 5715733	Corporate 0.9%		
Series A, 5.88%, 2/15/24         \$ 2,435         \$ 2,747,021           University of California, RB, Limited         1,760         1,822,814           5/15/33         1,760         1,822,814           County/City/Special District/School District         4,569,835           County/City/Special District/School District         8,000         8,246,240           Bay Area Governments Association,         8,000         8,246,240           Bay Area Governments Association,         8,000         8,246,240           Bay Area Governments Association,         25         255,517           Refunding RB, California         25         255,517           Brentwood Infrastructure Financing         25         255,517           Assessment Bonds, Refunding,         3,980         4,041,849           Chino Valley Unified School District, GO,         3,980         4,041,849           Chino Valley Unified School District, GO,         3,980         4,041,849           Chino Valley Unified School District, GO,         3,980         3,093,840           City & County of San Francisco         3,000         3,093,840           City & County of San Francisco         2,000         3,042,570           City & County of Levin Collifornia, COP, Refunding, Series A,         5,895         6,269,332			
University of California, RB, Limited Project, Series B (AGM), 5.00%, 5/15/33  1,760  1,822,814  1,69,835  County/City/Special District/School District California, GO, Election of 2006, Series A (AGM), 5.00%, 80/12/37  Redevelopmen Agency Pool, Series A (AGM), 5.00%, 80/12/15/24  255  256,517  Berntwood Infrastructure Financing Authority California, Special Assessment Bonds, Refunding, Series A (AGM), 5.20%, 9/0/29  Chino Valley Unified School District, GO, Election of 2002, Series C (NPFGC), 5.25%, 8/0/130  City & County of San Francisco California, COP, Refunding, Series A, 5.00%, 10/0/128  City of San Jose California, COP, Refunding, Series A, 5.00%, 10/0/128  City of San Jose California, COP, Refunding, Series A, 5.00%, 10/0/128  City of San Jose California, COP, Capital Improvements Projects, Series A (AGC), 5.00%, 9/0/127  County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 5.00%, 8/0/135  County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 5.00%, 8/0/135  County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 5.00%, 8/0/128  County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 5.00%, 8/0/128  County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 5.00%, 8/0/128  County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 5.00%, 8/0/128  County of Kern California, COP, Capital Improvements Copies Copies A (AGC), 5.00%, 8/0/128  California, CO, Series A (AGC), 5.00%, 8/0/128  California, GO,			
Project, Series B (AGM), 5.00%, 5/15/33   1,760   1,822,814   1,820,835   1,830,835   1,		\$ 2	2,435 \$ 2,747,021
1,760	·		
County/City/Special District/School District   47.0%		1	1 760 1 822 814
County/City/Special District/School District   47.0%   Arcadia Unified School District   California, GO, Election of 2006,   Series A (AGM), 5.00%, 8/01/37   8.000   8.246,240   8.246,	313/33	,	1,022,014
Areadia Unified School District California, GO, Election of 2006, Series A (AGM), 5.00%, 80/137 8,000 8,246,240 Bay Area Governments Association, Refunding RB, California Redevelopment Agency Pool, Series A (AGM), 6.00%, 12/15/24 825 256,517 Brentwood Infrastructure Financing Authority California, Special Assessment Bonds, Refunding, Series A (AGM), 5.20%, 90/229 3,980 4,041,849 Chino Valley Unified School District, GO, Election of 2002, Series C (NPFGC), 5.25%, 8/01/30 3,000 3,093,840 City & County of San Francisco California, COP, Refunding, Series A (AGM), 5.20%, 90/128 3,000 3,042,570 City of Riverside California, COP (AMBAC), 5.00%, 90/128 3,000 3,042,570 City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 90/127 County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 80/1/35 2,000 2,245,840 Fairfield-Suisun Unified School District California, OO, Election of 2002 (NPFGC), 5.50%, 8/01/28 7,701 County of Miled School District California, OO, Election of 2002 (NPFGC), 5.50%, 8/01/28 7,701 County California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 80/1/35 1,403,00 1,403,00 1,404,00 1,404 1,4			4,569,835
Areadia Unified School District California, GO, Election of 2006, Series A (AGM), 5.00%, 80/137 8,000 8,246,240 Bay Area Governments Association, Refunding RB, California Redevelopment Agency Pool, Series A (AGM), 6.00%, 12/15/24 825 256,517 Brentwood Infrastructure Financing Authority California, Special Assessment Bonds, Refunding, Series A (AGM), 5.20%, 90/229 3,980 4,041,849 Chino Valley Unified School District, GO, Election of 2002, Series C (NPFGC), 5.25%, 8/01/30 3,000 3,093,840 City & County of San Francisco California, COP, Refunding, Series A (AGM), 5.20%, 90/128 3,000 3,042,570 City of Riverside California, COP (AMBAC), 5.00%, 90/128 3,000 3,042,570 City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 90/127 County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 80/1/35 2,000 2,245,840 Fairfield-Suisun Unified School District California, OO, Election of 2002 (NPFGC), 5.50%, 8/01/28 7,701 County of Miled School District California, OO, Election of 2002 (NPFGC), 5.50%, 8/01/28 7,701 County California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 80/1/35 1,403,00 1,403,00 1,404,00 1,404 1,4	County/City/Special District/School District 47.0%		
Series A (AGM), 5.00%, 8/01/37         8,000         8,246,240           Bay Area Governments Association, Refunding RB, California         Techniding RB, California         Techniding RB, California           Redevelopment Agency Pool, Series A         255         256,517           (AGM), 6.00%, 12/15/24         255         256,517           Brentwood Infrastructure Financing         Technical Series California, Special         4,041,849           Assessment Bonds, Refunding, Series A, 16,00%, 5,20%, 9/02/29         3,980         4,041,849           Series A, (AGM), 5,20%, 9/02/29         3,980         4,041,849           Chinovalley Unified School District, GO,         3000         3,093,840           Cliction of 2002, Series C (NPFGC),         3000         3,093,840           City of San Francisco         3,000         3,093,840           City of Riverside California, COP, Refunding, Series A,         5,985         6,269,332           City of Riverside California, COP         3,000         3,042,570           City of San Jose California, GO, Libraries,         3,000         3,042,570           City of San Jose California, GO, Libraries,         3,000         3,042,570           City of San Jose California, GO, Capital Improvements Projects, Series A         2,000         2,245,840           California, GO, Edection of 2002 <t< td=""><td></td><td></td><td></td></t<>			
Bay Area Governments Association,         Refunding RB, California           Redevelopment Agency Pool, Series A         255         256,171           Rentwood Infrastructure Financing         325         256,171           Authority California, Special         380         4,041,849           Assessment Bonds, Refunding, Special         3,980         4,041,849           Chino Valley Unified School District, GO,         3,000         3,093,840           Election of 2002, Series C (NPFGC),         3,000         3,093,840           5.25%, 8/01/30         3,000         3,093,840           City & County of San Francisco         3,000         3,093,840           City of Refunding, Series A,         5,895         6,269,332           5.09%, 10/01/28         3,000         3,042,570           City of San Jose California, COP         3,000         3,042,570           City of San Jose California, GO, Libraries,         4,000         3,042,570           City of San Jose California, GO, Elotriares,         4,000         3,042,570           City of San Jose California, COP, Capital         7,910         8,010,23           County of Kern California, COP, Capital         2,000         2,245,840           Fairfield-Suisun Unified School District         2,500         2,011,100	California, GO, Election of 2006,		
Refunding RB, California         255         256,517           Redevelopment Agency Pool, Series A         255         256,517           Brentwood Infrastructure Financing         340         40,518           Authority California, Special         3,980         4,041,849           Assessment Bonds, Refunding,         3,980         4,041,849           Chino Valley Unified School District, GO,         3,000         3,093,840           Election of 2002, Series C (NPFGC)         3,000         3,093,840           City & County of San Francisco         3,000         3,093,840           City & County of San Francisco         8,895         6,269,332           City of Riverside California, COP         8,905         6,269,332           City of San Jose California, GO,         3,000         3,042,570           City of San Jose California, GO, Libraries,         3,000         3,042,570           City of San Jose California, GO, Eibraries,         7,910         8,401,932           City of San Jose California, GO, Eibraries,         7,910         8,401,932           City of San Jose California, GO, Eibraries,         2,000         2,245,840           Improvements Projects, Series A         3,000         2,245,840           City of San Jose California, GO, Esries A         2,000         2,245,840	Series A (AGM), 5.00%, 8/01/37	8	3,000 8,246,240
Redevelopment Agency Pool, Series A         35         256,17           (AGM), 6,00%, 12/15/24         25         256,18           Brentwood Infrastructure Financing         38         36,08           Authority California, Special         380         4,041,840           Assessment Bonds, Refunding,         380         4,041,840           Chino Valley Unified School District, GO,         380         3,093,840           Clifton 2002, Series C (NPFGC),         300         3,093,840           Clifty & County of San Francisco         380         6,269,332           Clifty & County of San Francisco         380         6,269,332           Clifty of Riverside California, COP, Refunding, Series A,         3,00         3,042,570           (1y of Riverside California, COP         3,00         3,042,570           (2ity of Riverside California, GO, Libraries,         3,00         3,042,570           (2ity of Riverside California, GO, Libraries,         3,00         3,042,570           (2ity of Riverside California, GO, Libraries,         3,00         3,042,570           (2ity of Riverside California, GO, Solvity Project         7,910         8,401,225           (2ity of Riverside California, GO, Solvity Project         3,00         2,245,840           (2ity of Riverside California, GO, Solvity Solvity			
(AGM), 6.00%, 12/15/24         255         256,517           Brentwood Infrastructure Financing         ************************************			
Brentwood Infrastructure Financing         Authority California, Special           Assessment Bonds, Refunding,         3,980         4,041,849           Series A (AGM), 5.20%, 9/02/29         3,980         4,041,849           Chino Valley Unified School District, GO,         5258, 8/01/30         3,000         3,093,840           Election of 2002, Series C (NPFGC),         3,000         3,093,840           City & County of San Francisco         5,895         6,269,332           City of Riverside California, COP, Refunding, Series A,         5,895         6,269,332           City of Riverside California, COP         3,000         3,042,570           City of San Jose California, GOP         3,000         3,042,570           City of San Jose California, GO, Libraries,         3,000         3,042,570           City of San Jose California, COP, Capital         7,910         8,401,923           County of Kern California, COP, Capital         2,000         2,245,840           Improvements Projects, Series A         2,000         2,245,840           (AGC), 6.00%, 8/01/35         2,500         2,701,100           Fairfield-Suisum Unified School District         2,500         2,701,100           California, GO, Series A (AGM), 5.25%, 8/01/28         3,000         3,208,710           Pontana Unified School D			255
Authority California, Special Assessment Bonds, Refunding, Series A (AGM), 5.20%, 9/02/29 Chino Valley Unified School District, GO, Election of 2002, Series C (NPFGC), 5.25%, 8/01/30 City & County of San Francisco California, COP, Refunding, Series A, 5.00%, 10/01/28 City of Riverside California, COP (AMBAC), 5.00%, 9/01/28 City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 9/01/27 County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 8/01/35 California, GO, Election of 2002 (NPFGC), 5.50%, 8/01/28 Fairfield-Suisun Unified School District California, GO, Series A (AGM), 5.25%, 8/01/31 Series A (AGM), 5.25%, 8/01/31 Series A (AGM), 5.50%, 8/01/26 County California, GO, Series A (AGM), 5.55%, 8/01/31 Series A (AGM), 5.75%,			255 256,517
Assessment Bonds, Refunding,         3,980         4,041,849           Series A (AGM), 5,20%, 9/02/29         3,980         4,041,849           Chino Valley Unified School District, GO,         Election of 2002, Series C (NPFGC),         3,000         3,093,840           5,25%, 8/01/30         3,000         3,093,840         City & County of San Francisco	-		
Series A (AGM), 5.20%, 9/02/29         3,980         4,041,849           Chino Valley Unified School District, GO,         8           Election of 2002, Series C (NPFGC),         3,000         3,093,840           5.25%, 8/01/30         3,000         3,093,840           City & County of San Francisco         8         6,269,332           California, COP, Refunding, Series A,         5,895         6,269,332           City of Riverside California, COP         3,000         3,042,570           (AMBAC), 5,00%, 9/01/28         3,000         3,042,570           City of San Jose California, GO, Libraries,         8         8           Parks, and Public Safety Project         7,910         8,401,923           County of Kern California, COP, Capital Improvements Projects, Series A         2,000         2,245,840           Fairfield-Suisun Unified School District         2,000         2,245,840           Fairfield-Suisun Unified School District         2,500         2,701,100           Fontana Unified School District         3,000         3,208,710           Fontana Unified School District Alameda         3,000         3,208,710           Culty California, GO, Series A         3,000         3,208,710           Fresmot Unified School District Alameda         10,755         11,433,103			
Chino Valley Unified School District, GO, Election of 2002, Series C (NPFGC), 525%, 8/01/30 3,000 3,093,840		3	3.980 4.041.849
Election of 2002, Series C (NPFGC),   5.25%, 8/01/30   3,000   3,093,840     5.25%, 8/01/30   5,895   6,269,332     5.00%, 10/01/28   5,895   6,269,332     5.00%, 10/01/28   5,895   6,269,332     City of Riverside California, COP (AMBAC), 5.00%, 9/01/28   3,000   3,042,570     City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 9/01/27   7,910   8,401,923     County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 8/01/35   2,000   2,245,840     Fairfield-Suisun Unified School District California, GO, Election of 2002 (NPFGC), 5.50%, 8/01/28   2,500   2,701,100     Fontan Unified School District California, GO, Series A (AGM), 5.25%, 8/01/31   3,000   3,208,710     Fremont Unified School District Alameda County California, GO, Series A (AGM), 5.00   10,755   11,433,103     Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%, 8/01/26   10,755   11,433,103     Fresson Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%, 8/01/26   10,755   11,433,103     Control of 2002 (NPFGC), 5.50%, 8/01/26   10,755   11,433,103     Control of 2002 (NPFGC), 2			, , , , , , , , , , , , , , , , , , , ,
City & County of San Francisco         California, COP, Refunding, Series A,       5,895       6,269,332         5.00%, 10/01/28       5,895       6,269,332         City of Riverside California, COP       3,000       3,042,570         City of San Jose California, GO, Libraries,       3,000       3,042,570         City of San Jose California, GO, Libraries,       7,910       8,401,923         Parks, and Public Safety Project       7,910       8,401,923         County of Kern California, COP, Capital       7,910       8,401,923         Improvements Projects, Series A       2,000       2,245,840         Fairfield-Suisun Unified School District       2,000       2,245,840         Fairfield-Suisun Unified School District       2,500       2,701,100         Contrana Unified School District       3,000       3,208,710         Fontana Unified School District       3,000       3,208,710         Femont Unified School District Alameda       3,000       3,208,710         Fresno Joint Powers Financing Authority       10,755       11,433,103         Fresno Joint Powers Financing Authority       2,500       10,755       11,433,103	•		
California, CÓP, Refunding, Series A,       5,00%, 10/01/28       5,895       6,269,332         City of Riverside California, COP       3,000       3,042,570         (AMBAC), 5,00%, 9/01/28       3,000       3,042,570         City of San Jose California, GO, Libraries,       8         Parks, and Public Safety Project       7,910       8,401,923         (NPFGC), 5,00%, 9/01/27       7,910       8,401,923         County of Kern California, COP, Capital       8         Improvements Projects, Series A       2,000       2,245,840         Fairfield-Suisun Unified School District       2,000       2,245,840         Fairfield-Suisun Unified School District       2,500       2,701,100         Fontana Unified School District       2,500       2,701,100         Fontana Unified School District       3,000       3,208,710         Fremont Unified School District Alameda       3,000       3,208,710         Fremont Unified School District Alameda       5,50%, 8/01/26       10,755       11,433,103         Fresno Joint Powers Financing Authority       2,500       10,755       11,433,103         Terson Joint Powers Financing Authority       2,500       2,701,100       10,755       11,433,103		3	3,000 3,093,840
5.00%, 10/01/28       5,895       6,269,332         City of Riverside California, COP (AMBAC), 5.00%, 9/01/28       3,000       3,042,570         City of San Jose California, GO, Libraries, Parks, and Public Safety Project (NPFGC), 5.00%, 9/01/27       7,910       8,401,923         County of Kern California, COP, Capital Improvements Projects, Series A (AGC), 6.00%, 8/01/35       2,000       2,245,840         Fairfield-Suisun Unified School District California, GO, Election of 2002 (NPFGC), 5.50%, 8/01/28       2,500       2,701,100         Fontana Unified School District California, GO, Series A (AGM), 5.25%, 8/01/31       3,000       3,208,710         Fremont Unified School District Alameda County California, GO, Series A (NPFGC), 5.50%, 8/01/26       10,755       11,433,103         Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,       10,755       11,433,103			
City of Riverside California, COP       3,000       3,042,570         (AMBAC), 5.00%, 9/01/28       3,000       3,042,570         City of San Jose California, GO, Libraries, Parks, and Public Safety Project       7910       8,401,923         (NPFGC), 5.00%, 9/01/27       7,910       8,401,923         County of Kern California, COP, Capital Improvements Projects, Series A       7,910       2,400       2,245,840         Fairfield-Suisun Unified School District       2,000       2,245,840         California, GO, Election of 2002       7,910       2,500       2,701,100         Fontana Unified School District       2,500       2,701,100         Fontana Unified School District       3,000       3,208,710         Fremont Unified School District Alameda       3,000       3,208,710         Fremont Unified School District Alameda       3,000       3,208,710         Fresno Joint Powers Financing Authority       10,755       11,433,103         Fresno Joint Powers Financing Authority       2,500       1,433,103         California, RB, Series A (AGM), 5,75%,			
(AMBAC), 5.00%, 9/01/28       3,000       3,042,570         City of San Jose California, GO, Libraries, Parks, and Public Safety Project       7,910       8,401,923         (NPFGC), 5.00%, 9/01/27       7,910       8,401,923         County of Kern California, COP, Capital Improvements Projects, Series A       2,000       2,245,840         (AGC), 6.00%, 8/01/35       2,000       2,245,840         Fairfield-Suisun Unified School District       2,500       2,701,100         California, GO, Election of 2002       2,500       2,701,100         Fontana Unified School District       3,000       3,208,710         Feremont Unified School District Alameda       3,000       3,208,710         Fremont Unified School District Alameda       3,000       3,208,710         Fresno Joint Powers Financing Authority       10,755       11,433,103         Fresno Joint Powers Financing Authority       2,500       2,701,100		:	6,269,332
City of San Jose California, GO, Libraries, Parks, and Public Safety Project       7,910       8,401,923         (NPFGC), 5.00%, 9/01/27       7,910       8,401,923         County of Kern California, COP, Capital Improvements Projects, Series A       2,000       2,245,840         (AGC), 6.00%, 8/01/35       2,000       2,245,840         Fairfield-Suisun Unified School District       2,500       2,701,100         California, GO, Election of 2002       2,500       2,701,100         Fontana Unified School District       3,000       3,208,710         Fremont Unified School District Alameda       3,000       3,208,710         Fremont Unified School District Alameda       10,755       11,433,103         Fresno Joint Powers Financing Authority       2,500       10,755       11,433,103	·		3 000 3 042 570
Parks, and Public Safety Project       7,910       8,401,923         (NPFGC), 5.00%, 9/01/27       7,910       8,401,923         County of Kern California, COP, Capital       Improvements Projects, Series A         (AGC), 6.00%, 8/01/35       2,000       2,245,840         Fairfield-Suisun Unified School District       California, GO, Election of 2002         (NPFGC), 5.50%, 8/01/28       2,500       2,701,100         Fontana Unified School District       California, GO, Series A (AGM), 5.25%,       8/01/31       3,000       3,208,710         Fremont Unified School District Alameda       County California, GO, Series A         (NPFGC), 5.50%, 8/01/26       10,755       11,433,103         Fresno Joint Powers Financing Authority         California, RB, Series A (AGM), 5.75%,			3,042,370
(NPFGC), 5.00%, 9/01/27       7,910       8,401,923         County of Kern California, COP, Capital       Improvements Projects, Series A         (AGC), 6.00%, 8/01/35       2,000       2,245,840         Fairfield-Suisun Unified School District       California, GO, Election of 2002         (NPFGC), 5.50%, 8/01/28       2,500       2,701,100         Fontana Unified School District       California, GO, Series A (AGM), 5.25%,         8/01/31       3,000       3,208,710         Fremont Unified School District Alameda       County California, GO, Series A         (NPFGC), 5.50%, 8/01/26       10,755       11,433,103         Fresno Joint Powers Financing Authority       California, RB, Series A (AGM), 5.75%,			
County of Kern California, COP, Capital         Improvements Projects, Series A       3,000       2,245,840         (AGC), 6.00%, 8/01/35       2,000       2,245,840         Fairfield-Suisun Unified School District       2,500       2,701,100         California, GO, Election of 2002       2,500       2,701,100         Fontana Unified School District       3,000       3,208,710         Fremont Unified School District Alameda       3,000       3,208,710         Fremont Unified School District Alameda       3,000       3,208,710         Fresno Joint Powers Financing Authority       10,755       11,433,103         Fresno Joint Powers Financing Authority       2,500       2,701,100         California, RB, Series A (AGM), 5.25%,       3,000       3,208,710			7,910 8,401,923
(AGC), 6.00%, 8/01/35       2,000       2,245,840         Fairfield-Suisun Unified School District       California, GO, Election of 2002         (NPFGC), 5.50%, 8/01/28       2,500       2,701,100         Fontana Unified School District         California, GO, Series A (AGM), 5.25%,       3,000       3,208,710         Fremont Unified School District Alameda       County California, GO, Series A         (NPFGC), 5.50%, 8/01/26       10,755       11,433,103         Fresno Joint Powers Financing Authority       California, RB, Series A (AGM), 5.75%,			
Fairfield-Suisun Unified School District California, GO, Election of 2002 (NPFGC), 5.50%, 8/01/28  Fontana Unified School District California, GO, Series A (AGM), 5.25%, 8/01/31  Fremont Unified School District Alameda County California, GO, Series A (NPFGC), 5.50%, 8/01/26  Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,			
California, GO, Election of 2002 (NPFGC), 5.50%, 8/01/28  Fontana Unified School District California, GO, Series A (AGM), 5.25%, 8/01/31  Fremont Unified School District Alameda County California, GO, Series A (NPFGC), 5.50%, 8/01/26  Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,		2	2,000 2,245,840
(NPFGC), 5.50%, 8/01/28       2,500       2,701,100         Fontana Unified School District       California, GO, Series A (AGM), 5.25%,         8/01/31       3,000       3,208,710         Fremont Unified School District Alameda       County California, GO, Series A         (NPFGC), 5.50%, 8/01/26       10,755       11,433,103         Fresno Joint Powers Financing Authority         California, RB, Series A (AGM), 5.75%,			
Fontana Unified School District California, GO, Series A (AGM), 5.25%, 8/01/31  Fremont Unified School District Alameda County California, GO, Series A (NPFGC), 5.50%, 8/01/26  Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,		_	2 701 100
California, GO, Series A (AGM), 5.25%, 8/01/31 3,000 3,208,710  Fremont Unified School District Alameda County California, GO, Series A (NPFGC), 5.50%, 8/01/26 10,755 11,433,103  Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,		2	2,500 2,701,100
8/01/31 Fremont Unified School District Alameda County California, GO, Series A (NPFGC), 5.50%, 8/01/26 Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,			
Fremont Unified School District Alameda  County California, GO, Series A  (NPFGC), 5.50%, 8/01/26  Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,			3.000 3.208.710
County California, GO, Series A (NPFGC), 5.50%, 8/01/26 Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,			3,200,710
(NPFGC), 5.50%, 8/01/26 10,755 11,433,103 Fresno Joint Powers Financing Authority California, RB, Series A (AGM), 5.75%,			
California, RB, Series A (AGM), 5.75%,		10	),755 11,433,103
	Fresno Joint Powers Financing Authority		
6/01/26 3,295 3,369,467			
	6/01/26	3	3,369,467

Municipal Bonds	Par (000)	Value
California (continued)		
County/City/Special District/School		
District (continued)		
Glendora Unified School District		
California, GO, Election of 2005,		
Series A (NPFGC):		
5.00%, 8/01/27	\$ 1,350	
5.25%, 8/01/30	2,730	2,916,732
Los Angeles Community Redevelopment		
Agency California, RB, Bunker Hill		
Project, Series A (AGM), 5.00%,	10.000	10 407 100
12/01/27	10,000	10,427,100
Los Angeles County Metropolitan		
Transportation Authority, Refunding		
RB, Proposition A, First Tier, Senior		
Series A (AMBAC):	5 240	5 571 160
5.00%, 7/01/27 5.00%, 7/01/35	5,240 6,825	5,571,168 7,089,264
Los Angeles Municipal Improvement	0,823	7,089,204
Corp., Refunding RB, Real Property,		
Series B (AGC), 5.50%, 4/01/39	1,515	1,616,672
Los Angeles Unified School District	1,515	1,010,072
California, GO, Election of 2002,		
Series C (AGM), 5.00%, 7/01/32	10,000	10,454,800
Los Gatos Union School District	10,000	10, 13 1,000
California, GO, Election of 2001,		
Series C (NPFGC), 5.13%, 8/01/32	1,075	1,136,522
Los Rios Community College District,	1,075	1,130,322
GO, Election of 2008, Series A,		
5.00%, 8/01/35	11,000	11,616,550
Murrieta Valley Unified School District	,	, ,
Public Financing Authority, Special Tax		
Bonds, Refunding, Series A (AGC),		
5.13%, 9/01/26	8,000	8,541,360
Orange County Water District, COP,		
Refunding, 5.25%, 8/15/34	9,045	9,785,514
Orchard School District California, GO,		
Election of 2001, Series A (AGC),		
5.00%, 8/01/34	7,490	7,891,015
Oxnard Union High School District		
California, GO, Refunding, Series A		
(NPFGC), 6.20%, 8/01/30	9,645	10,495,496
Pittsburg Unified School District, GO,		
Election of 2006, Series B (AGM):		
5.50%, 8/01/34	2,000	2,170,440
5.63%, 8/01/39	4,500	4,901,760
Port of Oakland, Refunding RB,		
Series M, AMT (NPFGC), 5.38%,		
11/01/27	16,930	17,159,232

### **Portfolio Abbreviations**

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)

BHAC Berkshire Hathaway Assurance Corp.

COP Certificates of Participation GO General Obligation Bonds

NPFGC National Public Finance Guarantee Corp.

RB Revenue Bonds

BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC.

OCTOBER 31, 2010

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Schedule of Investments (continued)

Municipal Bonds	Par (000)	Value
California (continued)		
County/City/Special District/School		
District (concluded) Redlands Unified School District		
California, GO, Election of 2008		
(AGM), 5.25%, 7/01/33	\$	5,000 \$ 5,293,900
Riverside Unified School District	Ψ	σ,ουο φ σ,2,5,500
California, GO, Series C (AGC), 5.00%,		
8/01/32		2,000 2,082,000
Sacramento Area Flood Control Agency,		
Special Assessment Bonds,		
Refunding, Consolidated, Capital		
Assessment District, Series A		
(NPFGC), 5.00%, 10/01/32		4,350 4,549,056
Saddleback Valley Unified School		
District California, GO (AGM), 5.00%,		2.565
8/01/29 Son Romanding City Unified School		2,565 2,699,432
San Bernardino City Unified School District California, GO, Series A (AGM),		
5.00%, 8/01/28		5,000 5,204,300
San Diego Community College District		3,204,300
California, GO, Election of 2006		
(AGM), 5.00%, 8/01/32		7,090 7,458,467
San Diego County Water Authority, COP,		.,,
Refunding, Series 2008-A (AGM),		
5.00%, 5/01/38		1,115 1,163,882
San Jose Redevelopment Agency		
California, Tax Allocation Bonds,		
Housing Set Aside Merged Area,		
Series E, AMT (NPFGC), 5.85%,		
8/01/27		7,300 7,315,841
San Juan Unified School District, GO,		
Election of 2002 (AGM), 5.00%, 8/01/34		6,475 6,764,368
San Mateo County Transportation		0,473
District California, Refunding RB,		
Series A (NPFGC), 5.00%, 6/01/29		4,350 4,580,898
Santa Rosa High School District		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
California, GO, Election of 2002		
(NPFGC), 5.00%, 8/01/28		2,500 2,540,950
Snowline Joint Unified School District,		
COP, Refunding, Refining Project		
(AGC), 5.75%, 9/01/38		5,600 6,283,368
South Tahoe Joint Powers Financing		
Authority, RB, South Tahoe		
Redevelopment Project Area No. 1,		1 645 1 674 015
Series A (AGM), 5.00%, 10/01/29 Ventura County Community College		1,645 1,674,215 3,395 3,583,660
District, GO, Refunding, Series A		5,565,000
District, GO, Returning, Series 11		

(NPFGC), 5.00%, 8/01/27 West Contra Costa Unified School				
District California, GO, Election of 2002, Series B (AGM), 5.00%,				
8/01/32 Westminster Redevelopment Agency		6,690	6,76	59,076
Westminster Redevelopment Agency California, Tax Allocation Bonds,				
Subordinate, Commercial				
Redevelopment Project No. 1 (AGC), 6.25%, 11/01/39		4,300	4,96	64,737
			242,45	55,308
Municipal Rands		Par (000)	Value	
Municipal Bonds		(000)	value	
California (continued)				
Education 7.6%				
California State University Revenue Systemwide, Series C, 5.00%,				
11/01/35	\$	20,000	\$ 20,49	97,800
Riverside Community College District,	·	,	,	,
GO, Election of 2004, Series C (AGM),		0.750	0.10	26.407
5.00%, 8/01/32 University of California, RB, Limited		8,750	9,1.	36,487
Project, Series D:				
(AGM), 5.00%, 5/15/37		2,775		37,943
(NPFGC), 5.00%, 5/15/37		5,390		93,796
(NPFGC), 5.00%, 5/15/41		1,240	1,29	92,626
			39,40	08,652
Health 3.6%				
California Health Facilities Financing				
Authority, Refunding RB, Catholic Healthcare West, Series A:				
6.00%, 7/01/34		2,130	2.33	33,138
6.00%, 7/01/39		5,500		87,685
California Statewide Communities				
Development Authority, RB, Health Facility, Memorial Health Services,				
Series A, 6.00%, 10/01/23		3,685	3,88	36,533
California Statewide Communities		,,,,,,	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Development Authority, Refunding RB,				
Catholic Healthcare West, Series D (BHAC), 5.50%, 7/01/31		1,025	1.00	97,467
City of Torrance California, RB, Torrance		1,023	1,02	77,407
Memorial Medical Center, Series A,				
5.00%, 9/01/40		5,350	5,29	92,327
			18,59	97,150
Housing 0.1%				
California Rural Home Mortgage				
Finance Authority, RB, AMT,				
Mortgage-Backed Securities Program (Ginnie Mae):				
Series A, 6.35%, 12/01/29		100	11	10,339

Series B, 6.25%, 12/01/31	70	70,772
County of San Bernardino California,		
Refunding RB, Home Mortgage- Backed Securities, Series A-1, AMT		
(Ginnie Mae), 6.25%, 12/01/31	140	147,563
		328,674
State 2.8%		
California State Public Works Board, RB,		
Department of Education, Riverside		
Campus Project, Series B, 6.50%,	2.670	4.044.450
4/01/34 California State University, Refunding	3,670	4,044,450
RB, Systemwide, Series C (NPFGC),		
5.00%, 11/01/38	5,690	5,808,580
State of California, GO, Various Purpose,		
6.00%, 3/01/33	4,000	4,594,560
		14,447,590
		11,117,000
Transportation 11.4%		
City of San Jose California, RB, Series D	4.575	4 (00 101
(NPFGC), 5.00%, 3/01/28	4,575	4,689,101
2 BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC.	OCTOBER 31, 2010	

Schedule of Investments (continued)

Municipal Bonds		Par (000)	Value
California (continued)			
Transportation (concluded)			
City of San Jose California, Refunding			
RB, Series A, AMT (BHAC), 5.50%, 3/01/23	\$	1,100	\$ 1,168,607
County of Orange California, RB,	ψ	1,100	φ 1,100,007
Series B, 5.75%, 7/01/34		5,000	5,480,050
County of Sacramento California, RB:			
Senior-Series B, AMT (AGM), 5.25%,			
7/01/33		7,500	7,694,625
Subordinated and PFC/Grant,			
Series C (AGC), 5.75%, 7/01/39		5,455	5,950,150
Port of Oakland, RB, Series K, AMT (NPFGC), 5.75%, 11/01/29		11,405	11,412,869
San Francisco City & County Airports		11,403	11,412,009
Commission, RB:			
Series E, 6.00%, 5/01/39		9,650	10,842,643
Special Facility Lease, SFO Fuel,			
Series A, AMT (AGM), 6.10%,			
1/01/20		1,000	1,001,990
Special Facility Lease, SFO Fuel,			
Series A, AMT (AGM), 6.13%,		005	096 212
1/01/27 San Francisco City & County Airports		985	986,212
Commission, Refunding RB, Second			
Series 34E, AMT (AGM):			
5.75%, 5/01/24		5,000	5,645,450
5.75%, 5/01/25		3,500	3,932,320
			58,804,017
Utilities 18.2%			
City of Glendale California, RB (NPFGC),			
5.00%, 2/01/32		4,390	4,447,553
City of Los Angeles California, Refunding			
RB, Sub-Series A, 5.00%, 6/01/32		3,000	3,224,490
City of Santa Clara California, RB, Sub-		5 500	5 (46 100
Series A (NPFGC), 5.00%, 7/01/28		5,500	5,646,190
Contra Costa Water District, Refunding RB, Series L (AGM), 5.00%, 10/01/32		4,135	4,369,082
East Bay Municipal Utility District, RB,		4,133	4,309,002
Series A (NPFGC), 5.00%, 6/01/37		6,525	6,891,770
East Bay Municipal Utility District,		,-	.,
Refunding RB, Sub-Series A (AMBAC),			
5.00%, 6/01/33		4,125	4,371,510
East Valley Water District Financing			
Authority, Refunding RB, 5.00%,		4.007	100010
10/01/40		4,085	4,260,165
		1,500	1,522,965

Fortuna Public Financing Authority, RB			
(AGM), 5.00%, 10/01/36			
Los Angeles County Sanitation Districts			
Financing Authority, Refunding RB,			
Capital Project 14 (BHAC), 5.00%, 10/01/34	7,915		8,193,687
Los Angeles Department of Water &	1,713		0,173,007
Power, RB, Power System, Sub-Series			
A-1 (AGM), 5.00%, 7/01/37	13,525		14,196,246
Metropolitan Water District of Southern California, RB, Series B-1 (NPFGC),			
5.00%, 10/01/33	7,175		7,396,779
Oxnard Financing Authority, RB,			
Redwood Trunk Sewer & Headworks,	40.000		40.440.000
Series A (NPFGC), 5.25%, 6/01/34	13,000		13,410,020
	Par		
Municipal Bonds	(000)		Value
California (concluded)			
Utilities (concluded)			
Sacramento Regional County Sanitation			
District, RB, Sacramento Regional			
County Sanitation (NPFGC), 5.00%, 12/01/27	\$ 7,070	\$	7,555,780
San Diego County Water Authority, COP,	Ψ 1,070	Ψ	7,555,760
Series A (AGM), 5.00%, 5/01/31	3,000		3,154,110
Turlock Public Financing Authority			
California, RB, Series A (NPFGC), 5.00%, 9/15/33	3,000		3,053,700
Vallecitos Water District California, COP,	5,000		3,033,700
Refunding, Series A (AGM), 5.00%,			
7/01/27	2,000		2,095,700
			93,789,747
			93,769,747
Total Municipal Bonds 91.6%			472,400,973
Municipal Bonds Transferred to Tender			
Option Bond Trusts (a)			
California 71.8%			
Corporate 5.5%		_	
San Francisco Bay Area Rapid Transit			
District, Refunding RB, Series A	40.620		
(NPFGC), 5.00%, 7/01/30 University of California, RB, Series L,	19,630		20,714,754
5.00%, 5/15/40	7,398		7,716,398
		_	, ,
			28,431,152
County/City/Special District/School District 3	88.5%		
Desert Community College District			
California, GO, Series C (AGM), 5.00%, 8/01/37	12,150		12,499,677
0.011.31	12,130		12,799,011

Fremont Unified School District Alameda County California, GO, Election of		
2002, Series B (AGM), 5.00%, 8/01/30	15,997	16,619,400
Lodi Unified School District California,	10,557	10,013,100
GO, Election of 2002 (AGM), 5.00%, 8/01/29	10,260	10,481,513
Los Angeles Community College District California, GO:		
Election of 2001, Series A (AGM),		
5.00%, 8/01/32	12,000	12,587,640
Election of 2001, Series A (NPFGC),		
5.00%, 8/01/32	26,438	27,700,450
Election of 2003, Series E (AGM),		
5.00%, 8/01/31	7,497	7,851,612
Election of 2008, Series A, 6.00%, 8/01/33	0.506	11.016.150
******	9,596	11,016,158
Los Angeles Unified School District California, GO, Series I, 5.00%,		
1/01/34	5,000	5,188,500
Ohlone Community College District, GO,	3,000	3,100,300
Ohlone, Series B (AGM), 5.00%,		
8/01/30	19,998	20,775,860
Peralta Community College District, GO,		
Series A (NPFGC), 5.00%, 8/01/31	24,130	25,231,776

OCTOBER 31, 2010

BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC.

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Schedule of Investments (continued)

Municipal Bonds Transferred to Tender Option Bond Trusts (a)	Par (000)	Value
California (continued)		
County/City/Special District/School		
District (concluded) Poway Unified School District, GO,		
Election of 2002, Improvement		
District 02, Series 1-B (AGM), 5.00%,		
8/01/30	\$ 10,0	00 \$ 10,425,400
San Bernardino Community College		
District California, GO, Election of 2002, Series C (AGM), 5.00%,		
8/01/31	7,5	7,875,103
San Diego County Water Authority, COP,	7,5	7,075,105
Series A (AGM), 5.00%, 5/01/30	7,3	7,755,059
San Francisco Bay Area Transit		
Financing Authority, Refunding RB,	10.4	10.044.207
Series A (NPFGC), 5.00%, 7/01/34 San Jose Financing Authority, Refunding	10,4	97 10,944,397
RB, Civic Center Project, Series B		
(AMBAC), 5.00%, 6/01/32	11,4	00 11,472,048
		198,424,593
Education 5.1%		
California State University, RB,		
Systemwide, Series A (AGM), 5.00%,	4.0	60 5.010.174
11/01/39 University of California, RB:	4,8	5,010,174
Limited Project, Series D (AGM),		
5.00%, 5/15/41	8,0	00 8,339,520
Series O, 5.75%, 5/15/34	11,1	90 12,760,405
		26,110,099
Utilities 22.7%		
Anaheim Public Financing Authority		
California, RB, Electric System		
Distribution Facilities, Series A (AGM), 5.00%, 10/01/31	3,5	60 2 502 004
City of Napa California, RB (AMBAC),	3,3	58 3,593,984
5.00%, 5/01/35	9,0	70 9,432,165
East Bay Municipal Utility District, RB,		., . ,
Sub-Series A (NPFGC), 5.00%,		
6/01/35	15,0	00 15,606,600
East Bay Municipal Utility District, Refunding RB, Sub-Series A (AMBAC),		
5.00%, 6/01/37	7,9	90 8,420,102
Los Angeles Department of Water &	1,5	0,120,102
Power, RB:		

Power System, Sub-Series A-1 (AGM), 5.00%, 7/01/31	5.00	7	5,244,919
Power System, Sub-Series A-1	3,00		3,244,919
(AMBAC), 5.00%, 7/01/37	5,02	)	5,278,892
System, Sub-Series A-2 (AGM),	5,02		3,270,072
5.00%, 7/01/35	7,50	)	7,757,550
Los Angeles Department of Water &	,		, ,
Power, Refunding RB, Power System,			
Sub-Series A-2 (NPFGC), 5.00%,	16.00		1 ( 000 220
7/01/27	16,00	)	16,988,320
Metropolitan Water District of Southern California, RB, Series A, 5.00%,			
7/01/37	15,000	)	15,879,000
Rancho Water District Financing	13,00	,	13,077,000
Authority, Refunding RB, Series A			
(AGM), 5.00%, 8/01/34	9,27	7	9,694,445
	_		
Municipal Bonds Transferred to Tender	Par		¥7-1
Option Bond Trusts (a)	(000)		Value
California (concluded)			
Cumorma (concluded)			
Utilities (concluded)			
San Diego County Water Authority, COP,			
Refunding, Series 2008-A (AGM),			
5.00%, 5/01/33	\$ 8,510	\$	8,972,433
San Diego County Water Authority, COP,			
Series A (AGM), 5.00%, 5/01/31	10,000	)	10,513,700
			117,382,110
The late of the la			
Total Municipal Bonds Transferred to			270 247 054
Tender Option Bond Trusts 71.8%			370,347,954
Total Long Torm Investments			
Total Long-Term Investments			
(Cost \$816 295 406) 163 4%			842 748 927
(Cost \$816,295,406) 163.4%			842,748,927

Short-Term Securities	Shares	
BIF California Municipal Money Fund, 0.04% (b)(c)	13,615,499	13,615,499
Total Short-Term Securities (Cost \$13,615,499) 2.6%		13,615,499
Total Investments		
(Cost \$829,910,905*) 166.0%		856,364,426
Other Assets Less Liabilities 1.8%		9,510,117
Liability for Trust Certificates, Including Interest		
Expense and Fees Payable (35.5)%		(183,366,237)
Preferred Shares, at Redemption Value (32.3)%		(166,537,650)
Net Assets Applicable to Common Shares 100.0%	9	515,970,656

*	The cost and unrealized appreciation (depreciation) of investments as of October 31, 2010, as computed for federal income tax purposes,
	were as follows:

Aggregate cost	\$	647,119,685
	_	
Gross unrealized appreciation	\$	27,342,796
Gross unrealized depreciation		(1,300,476)
	_	
Net unrealized appreciation	\$	26,042,320
	_	

- (a) Securities represent bonds transferred to a tender option bond trust in exchange for which the Fund acquired residual interest certificates. These securities serve as collateral in a financing transaction.
- (b) Investments in companies considered to be an affiliate of the Fund during the period, for purposes of Section 2(a)(3) of the Investment Company Act of 1940, as amended, were as follows:

Affiliate	Shares Held at July 31, 2010	Net Activity	Shares Held at October 31, 2010	Income
BIF California Municipal Money Fund	39,049,939	(25,434,440)	13,615,499	\$ 1,848

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#### Schedule of Investments (concluded)

#### BlackRock MuniYield California Quality Fund, Inc. (MCA)

For Fund compliance purposes, the Fund s sector classifications refer to any one or more of the sector sub-classifications used by one or more widely recognized market indexes or rating group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine such sector sub-classifications for reporting ease.

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

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

The following table summarizes the inputs used as of October 31, 2010 in determining the fair valuation of the Fund s investments:

Valuation Inputs	Level 1	Level 2	Level 3	Total
Assets:				
Investments in Securities:				
Long-Term				
Investments <sup>1</sup>		\$ 842,748,927		\$ 842,748,927
Short-Term				
Securities	\$ 13,615,499			13,615,499
Total	\$ 13,615,499	\$ 842,748,927		\$ 856,364,426

See above Schedule of Investments for values in each sector.

BLACKROCK MUNIYIELD CALIFORNIA QUALITY FUND, INC.	OCTOBER 31, 2010	5

#### 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 MuniYield California Quality Fund, Inc.

By: /s/ Anne F. Ackerley
Anne F. Ackerley
Chief Executive Officer of
BlackRock MuniYield California Quality Fund, Inc.

Date: December 22, 2010

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 MuniYield California Quality Fund, Inc.

Date: December 22, 2010

By: /s/ Neal J. Andrews
Neal J. Andrews
Chief Financial Officer (principal financial officer) of
BlackRock MuniYield California Quality Fund, Inc.

Date: December 22, 2010