BLACKROCK MUNIYIELD CALIFORNIA INSURED FUND, INC

Form N-Q
June 28, 2010
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
washington, D.C. 20349
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 Insured 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 Insured 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: 07/31/2010
Date of reporting period: 04/30/2010
Item 1 – Schedule of Investments

Schedule of Investments April 30, 2010 (Unaudited)

BlackRock MuniYield California Insured Fund, Inc. (MCA) (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
California 109.3%		
Corporate 0.5%		
City of Chula Vista California, Refunding		
RB, San Diego Gas & Electric,		
Series A, 5.88%, 2/15/34	\$ 2,435	\$ 2,684,247
County/City/Special District/School District 61.4%		
Arcadia Unified School District		
California, GO, Election of 2006,		
Series A (AGM), 5.00%, 8/01/37	9,000	9,159,210
Banning Unified School District		
California, GO, Election of 2006,		
Series B (AGC), 5.25%, 8/01/33	4,300	4,427,280
Bay Area Governments Association,		
Refunding RB, California		
Redevelopment Agency Pool,		
Series A (AGM), 6.00%, 12/15/24	255	256,448
Brentwood Infrastructure Financing		
Authority California, Special		
Assessment Bonds, Refunding,	2.000	4 005 500
Series A (AGM), 5.20%, 9/02/29	3,980	4,027,720
Central Unified School District, GO,		
Election of 2008, Series A (AGC),	2 000	2.169.760
5.50%, 8/01/29	2,000	2,168,760
Chabot-Las Positas Community College		
District California, GO, CAB, Election of		
2004, Series 4-B (AMBAC), 5.17%, 8/01/26 (a)	6,705	2 509 500
· ·	0,703	2,598,590
Chino Basin Desalter Authority,		
Refunding RB, Series A (AGC), 5.00%, 6/01/35	1,195	1,201,262
Chino Valley Unified School District, GO,	1,193	1,201,202
Election of 2002, Series C (NPFGC),		
5.25%, 8/01/30	3,000	3,050,640
Chula Vista Elementary School District	3,000	3,030,040
California, COP (NPFGC), 5.00%,		
9/01/29	3,060	2,942,404
City of Riverside California, COP	2,000	2,5 .2, .0 .
(AMBAC), 5.00%, 9/01/28	3,000	3,016,260
City of San Jose California, GO, Libraries,	2,000	2,010,200
Parks, and Public Safety Project		
(NPFGC), 5.00%, 9/01/27	7,910	8,221,970
County of Kern California, COP, Capital	7	•
Improvements Projects,		
Series A (AGC), 6.00%, 8/01/35	2,000	2,217,960
Desert Community College District		
California, GO, Series C (AGM), 5.00%,		
8/01/37	12,150	12,326,175

Municipal Bonds	Par (000)	Value
California (continued)		
County/City/Special District/School District (continued)		
Fairfield-Suisun Unified School District		
California, GO, Election of 2002		
(NPFGC), 5.50%, 8/01/28	\$ 2,500	\$ 2,635,975
Fontana Unified School District		
California, GO, Series A (AGM), 5.25%,	2.000	2 125 210
8/01/31	3,000	3,125,310
Fremont Unified School District Alameda		
County California, GO, Series A	10,755	11 254 276
(NPFGC), 5.50%, 8/01/26 Fresno Joint Powers Financing Authority	10,733	11,354,376
California, RB, Series A (AGM), 5.75%,		
6/01/26	3,295	3,393,158
Glendora Unified School District	3,273	3,373,130
California, GO, Election of 2005,		
Series A (NPFGC):		
5.00%, 8/01/27	1,350	1,422,428
5.25%, 8/01/30	2,730	2,878,348
Hemet Unified School District California,		
GO, Election of 2006, Series B (AGC),		
5.13%, 8/01/37	4,500	4,586,085
Imperial Community College District		
California, GO, Election of 2004		
(NPFGC), 5.00%, 8/01/29	3,090	3,115,307
Lodi Unified School District California,		
GO, Election of 2002 (AGM), 5.00%,	10.260	10.207.201
8/01/29	10,260	10,397,381
Los Angeles Community Redevelopment		
Agency California, RB, Bunker Hill		
Project, Series A (AGM), 5.00%, 12/01/27	10,000	10,113,800
Los Angeles County Metropolitan	10,000	10,113,000
Transportation Authority, Refunding		
RB, Proposition A, First Tier,		
Senior Series A (AMBAC):		
5.00%, 7/01/27	5,240	5,519,764
5.00%, 7/01/35	6,825	7,059,916
Los Angeles County Public Works		
Financing Authority, Refunding RB,		
Series A (NPFGC), 5.00%, 12/01/28	4,115	3,988,916
Los Angeles Unified School District		
California, GO:		
Election of 2002, Series C (AGM),		
5.00%, 7/01/32	10,000	10,198,500
Election of 2004, Series F (FGIC),	7.000	5 116 050
5.00%, 7/01/30	5,000	5,116,850

#### **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.

CAB Capital Appreciation Bonds
COP Certificates of Participation
FGIC Financial Guaranty Insurance Co.

GNMA Government National Mortgage Association

GO General Obligation Bonds

NPFGC National Public Finance Guarantee Corp.

RB Revenue Bonds

BLACKROCK MUNIYIELD CALIFORNIA INSURED FUND, INC.

APRIL 30, 2010

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Schedule of Investments (continued)

BlackRock MuniYield California Insured Fund, Inc. (MCA) (Percentages shown are based on Net Assets)

Municipal Bonds	Par (000)	Value
California (continued)		
County/City/Special District/School District (continued)		
Merced Community College District		
California, GO, School Facilities		
Improvement District No. 1 (NPFGC),	¢ (950	¢ (071.272
5.00%, 8/01/31 Murrieta Valley Unified School District	\$ 6,850	\$ 6,871,372
Public Financing Authority, Special Tax		
Bonds, Refunding, Series A (AGC),		
5.13%, 9/01/26	8,000	8,416,560
Orange County Water District, COP,	.,,,,,	2, 2,2
Refunding, 5.25%, 8/15/34	9,045	9,605,971
Orchard School District California, GO,		
Election of 2001, Series A (AGC),		
5.00%, 8/01/34	7,490	7,656,503
Oxnard Union High School District		
California, GO, Refunding, Series A	0.645	10.057.060
(NPFGC), 6.20%, 8/01/30	9,645	10,357,862
Peralta Community College District		
California, GO, Peralta Community College (AGM), 5.00%, 8/01/37	6,195	6,311,466
Pittsburg Unified School District, GO,	0,193	0,511,400
Election of 2006, Series B (AGM):		
5.50%, 8/01/34	2,000	2,116,660
5.63%, 8/01/39	4,500	4,810,230
Port of Oakland, Refunding RB,		
Series M, AMT (NPFGC), 5.38%,		
11/01/27	16,930	16,582,427
Redlands Unified School District		
California, GO, Election of 2008		
(AGM), 5.25%, 7/01/33	5,000	5,146,850
Riverside Unified School District		
California, GO, Series C (AGC), 5.00%,	5.010	5 000 011
8/01/32 Saddleback Valley Unified School	5,010	5,090,911
District California, GO (AGM), 5.00%,		
8/01/29	2,565	2,623,918
San Bernardino City Unified School	2,800	2,020,710
District California, GO, Series A (AGM),		
5.00%, 8/01/28	5,000	5,116,800
San Bernardino Community College		
District California, GO, Election of		
2002, Series C (AGM), 5.00%,		
8/01/31	7,500	7,677,225
San Diego County Water Authority, COP,		
Refunding, Series 2008-A (AGM),	1 000	1 101 100
5.00%, 5/01/38	1,090	1,121,120

San Francisco Bay Area Transit			
Financing Authority, Refunding RB,			
Series A (NPFGC), 5.00%, 7/01/34		10,500	10,685,745
San Jose Financing Authority, Refunding			
RB, Civic Center Project,			
Series B (AMBAC), 5.00%, 6/01/32		11,400	11,439,786
	Pa		
Municipal Bonds	(00	0)	Value
California (continued)			
County/City/Special District/School District (concluded)			
County/City/Special District/School District (concluded) San Jose Redevelopment Agency			
California, Tax Allocation Bonds,			
Housing Set Aside Merged Area,			
Series E, AMT (NPFGC), 5.85%,			
8/01/27	\$	7,300	\$ 7,310,074
San Juan Unified School District	·	. ,	
California, GO, Election of 2002			
(NPFGC), 5.00%, 8/01/28		4,250	4,324,928
San Mateo County Transportation			
District California, Refunding RB,			
Series A (NPFGC), 5.00%, 6/01/29		4,350	4,534,005
Santa Rosa High School District			
California, GO, Election of 2002			
(NPFGC), 5.00%, 8/01/28		2,500	2,518,450
Snowline Joint Unified School District,			
COP, Refunding, Refining Project			
(AGC), 5.75%, 9/01/38		5,600	6,191,416
South Tahoe Joint Powers Financing			
Authority, RB, South Tahoe			
Redevelopment Project Area No. 1,			
Series A (AGM), 5.00%, 10/01/29		1,645	1,654,640
Ventura County Community College			
District, GO, Refunding,			
Series A (NPFGC), 5.00%, 8/01/27		3,395	3,530,562
Vista Unified School District California,			
GO, Series B (NPFGC), 5.00%,			
8/01/28		2,550	2,594,957
West Contra Costa Unified School			
District California, GO, Election of			
2002, Series B (AGM), 5.00%,		( (00	( 704 006
8/01/32		6,690	6,704,986
Westminster Redevelopment Agency California Toy, Allocation Reads			
California, Tax Allocation Bonds, Subordinate, Commercial			
Redevelopment Project No. 1 (AGC),			
6.25%, 11/01/39		4,300	4,900,581
0.25 %, 11/01/39		4,500	4,900,361
			206.416.500
			306,416,798
Education 6.2%			
California Educational Facilities			
Authority, RB, Student Loan, CalEdge			
Loan Program, AMT (AMBAC), 5.55%,			
4/01/28		5,830	5,649,678
County of San Diego California, COP			
(NPFGC), 5.75%, 7/01/31		5,200	5,244,824

Riverside Community Colle GO, Election of 2004, Series	Č ,		
5.00%, 8/01/32		8,750	8,957,725
University of California, Rl	B, Limited		
Project, Series D (AGM):			
5.00%, 5/15/37		2,775	2,824,367
5.00%, 5/15/41		8,000	8,104,000
			30,780,594
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#### BlackRock MuniYield California Insured Fund, Inc. (MCA) (Percentages shown are based on Net Assets)

Health 2.6% California Health Facilities Financing Authority, Refunding RB, Catholic Healthcare West, Series A: 6.00%; 7/01/39 5.500 5.895.945 California Statewide Communities Development Authority, RB, Health Facility, Memorial Health Services, Series A, 6.00%; 1/001/23 3.685 3.844.745 California Statewide Communities Development Authority, Refunding RB, California Health Services, Series A, 6.00%; 1/001/23 3.685 3.844.745 California Statewide Communities Development Authority, Refunding RB, Catholie Healthcare West, Series D (BHAC), 5.50%; 7/01/31 1,000 1,050.016 13.082,154 Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Pogram (GNMA): Series A, 6.35%; 1/201/29 155 165,630 Series A, 6.35%; 1/201/29 155 165,630 Series B, 6.55%; 1/201/31 140 143,682 395,233 State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 401/34 3,500 3,769,500 State of California, GO, Various Purpose: 5,000%; 3,01/33 5,000 5,503,550 5,007,8,701/33 5,000 5,503,550 5,009,8,401/33 5,000 5,503,550 City of San Jose California, RB, City of San Jose California, RB,	Municipal Bonds	Par (000)	Value
California Health Facilities Financing Healthcare West, Series A:  1,00%, 7/01/34  \$ 2,130 \$ 2,291,454  \$ 0,00%, 7/01/39 \$ 5,500 \$ 5,895,945  California Statewide Communities  Development Authority, Refunding RB, Catholic Facility, Memorial Health Services, Series A, 6,00%, 1/01/23 \$ 3,685 \$ 3,844,745  California Statewide Communities  Development Authority, Refunding RB, California Statewide Communities  Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5,50%, 7/01/31  1,000 1,050,010 13,082,154  Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6,35%, 1/201/29  \$ 155 165,636 Series B, 6,25%, 1/201/31  \$ 85 85,921 County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities, Series A-1, AMT (GNMA), 6,25%, 1/201/31  140 143,682 395,233  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6,50%, 401/34 3,500 3,769,500 5,00%, 301/33 5,000 5,00%, 301/33 5,000 5,00%, 401/33 5,000 5,00%, 5,00,555,00,550,000 5,00%, 5,00,550,550,550%, 401/33 5 11,195,975 City of San Jose California, RB,	California (continued)		
Authority, Refunding RB, Catholic Healthcare West, Series A:  6.00%, 7/01/34 \$ 2,130 \$ 2,291,454 6,009%, 7/01/34 \$ 5,500 5,895,943 6,009%, 7/01/39 \$ 5,500 5,895,943 6,009%, 7/01/39 \$ 5,500 5,895,943 6,009%, 7/01/39 \$ 5,500 5,895,943 6,009%, 7/01/31 8 5 5,500 5,895,943 6,009%, 7/01/31 8,44,745 6,009%, 7/01/31 \$ 3,685 3,844,745 6,009%, 7/01/31 \$ 3,685 3,844,745 6,009%, 7/01/31 \$ 3,685 3,844,745 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 13,082,154 6,009%, 7/01/31 \$ 1,000 1,050,010 1	Health 2.6%		
Healthcare West, Series A:  6.00%, 7/01/34  \$ 2,130 \$ 2,291,454 6.00%, 7/01/39  5,500 5,895,945 6.00%, 7/01/39  5,500 5,895,945 6.00%, 7/01/39  5,500 5,895,945 6.00%, 7/01/39  3,685 3,844,745 6.00%, 1/001/23  3,685 3,844,745 6.00%, 1/001/23  3,685 3,844,745 6.00%, 1/001/23  3,685 3,844,745 6.00%, 1/001/23  3,685 3,844,745 6.00%, 1/001/23  1,000 1,050,016  13,082,154  Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6,35%, 1/201/31  85 85,921 County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities Program (GNMA): Series B, 6,25%, 1/201/31  85 85,921 County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities Program (GNMA):  86 85,921 67 87 87 87 87 87 87 87 87 87 87 87 87 87	California Health Facilities Financing		
\$ 2,130 \$ 2,291.454	Authority, Refunding RB, Catholic		
5,500   5,895,945	,		
California Statewide Communities Development Authority, RB, Health Facility, Memorial Health Services, Series A, 6.00%, 10/01/23 3,685 3,844,745 California Statewide Communities Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5.50%, 7/01/31 1,000 1,050,010 13,082,154 1 1,000 1,000,010 13,082,154 1 1,000 1,000,010 1 1,000			
Development Authority, RB, Health Facility, Memorial Health Services, Series A, 6,00%, 10/01/23 3,685 3,844,745 Caltifornia Statewide Communities Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5,50%, 7/01/31 1,000 1,050,010 13,082,154  Housing 0.1% Caltifornia Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6,35%, 12/01/29 155 165,630 Series B, 6,25%, 12/01/31 85 85,921 County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities, Series A-1, AMT (GNMA), 6,25%, 12/01/31 140 143,682 395,233  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6,50%, 4/01/34 3,500 3,769,500 State of California, GO, Various Purpose: 6,00%, 3/01/33 5,000 5,503,550 6,50%, 4/01/33 9,875 11,195,979  20,469,029  Transportation 11.5% City of San Jose California, RB,		5,500	5,895,945
Facility, Memorial Health Services, Series A, 6,00%, 10/01/23 3,685 3,844,745 California Statewide Communities Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5,50%, 7/01/31 1,000 1,050,010 13,082,154  Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6,35%, 12/01/29 155 Series B, 6,25%, 12/01/29 155 Series B, 6,25%, 12/01/29 Series B, 6,25%, 12/01/31 County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities, Series A-1, AMT (GNMA), 6,25%, 12/01/31 140 143,682 395,233  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6,50%, 4/01/34 3,500 3,769,500 State of California, GO, Various Purpose: 6,00%, 3/01/33 5,000 5,503,550 6,50%, 4/01/33 9,875 11,195,978  City of San Jose California, RB,			
Series A, 6.00%, 10/01/23  California Statewide Communities  Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5.50%, 7/01/31  Housing 0.1%  California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29  Series B, 6.25%, 12/01/31  Series B, 6.25%, 12/01/31  AMT (GNMA), 6.25%, 12/01/31  AMT (GNMA), 6.25%, 12/01/31  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34  Sample Series B, 6.50%, 4/01/33  5,000  5,503,550  5,50%, 4/01/33  5,000  5,503,550  5,50%, 4/01/33  State Of California, GO, Various Purpose: 6,00%, 3/01/33  5,000  5,503,550  5,000  5,503,550  7,000			
California Statewide Communities Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5.50%, 7/01/31  1,000  1,050,016  13,082,154  Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29  Series A, 6.35%, 12/01/31  Series A, 6.35%, 12/01/31  Series A, 6.35%, 12/01/31  AMT (GNMA), 6.25%, 12/01/31  AMT (GNMA), 6.25%, 12/01/31  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34  3,500  3,769,500  5,000  5,003,556 6,50%, 4/01/33  5,000  5,003,556 6,50%, 4/01/33  State of California, GO, Various Purpose: 6,00%, 3/01/33  5,000  5,003,556 6,50%, 4/01/33  State of California, RB,		2.605	2.044.745
Development Authority, Refunding RB, Catholic Healthcare West, Series D (BHAC), 5.50%, 7/01/31  1,000  1,050,010  13,082,154  Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29  155 165,636 Series B, 6.25%, 12/01/31  85 85,921 County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  140 143,682  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 State of California, GO, Various Purpose: 6.00%, 3/01/33 5,000 5,503,550 5,50%, 4/01/33 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,000 5,503,550 5,0		3,685	3,844,745
Catholic Healthcare West, Series D (BHAC), 5.50%, 7/01/31 1,000 1,050,010 13,082,154  Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29 155 165,630 Series B, 6.25%, 12/01/31 85 85,921 County of San Bernardino California, Refunding RB, Home Mortgage- Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31 140 143,682 395,233  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 3,500 3,769,500 4/01/34 3,500 5,003,550 6.50%, 4/01/33 5,000 5,003,550 6.50%, 4/01/33 9,875 11,195,975 20,469,029  Transportation 11.5% City of San Jose California, RB,			
Series D (BHAC), 5.50%, 7/01/31  1,000  1,050,010  13,082,154  Housing 0.1%  California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29  Series B, 6.25%, 12/01/31  Series B, 6.25%, 12/01/31  Refunding RB, Home Mortgage-Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  140  143,682  395,233  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34  State of California, GO, Various Purpose: 6.00%, 3/01/33  5,000  5,503,550  6.50%, 4/01/33  5,000  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  5,000,5  7,000,5  7,000,005  Transportation 11.5%  City of San Jose California, RB,			
Housing 0.1%  California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29  Series B, 6.25%, 12/01/31  Series B, 6.25%, 12/01/31  Refunding RB, Home Mortgage-Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  140  143,682  395,233  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34  3,500 3,769,500  State of California, GO, Various Purpose: 6.00%, 3/01/33 5,000 5,503,555 6.50%, 4/01/33 5,000 5,003,559,759  20,469,025		1,000	1.050.010
Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29 Series B, 6.25%, 12/01/31 Series	Series D (BHAC), 3.30%, 7/01/31	1,000	1,030,010
Housing 0.1% California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29 Series B, 6.25%, 12/01/31 Series			12.002.154
California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29 Series B, 6.25%, 12/01/31 Series B, 6.25%, 12/			13,082,134
California Rural Home Mortgage Finance Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA): Series A, 6.35%, 12/01/29 Series B, 6.25%, 12/01/31 Series B, 6.25%, 12/	Housing 0.16/		
Authority, RB, AMT, Mortgage-Backed Securities Program (GNMA):  Series A, 6.35%, 12/01/29  Series B, 6.25%, 12/01/31  County of San Bernardino California, Refunding RB, Home Mortgage-Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  AMT (GNMA), 6.25%, 12/01/31  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside  Campus Project, Series B, 6.50%, 4/01/34  3,500  3,769,500  State of California, GO, Various Purpose: 6.00%, 3/01/33  6.50%, 4/01/33  5,000  5,503,550  6.50%, 4/01/33  5,000  5,000,500,5			
Securities Program (GNMA): Series A, 6.35%, 12/01/29 Series B, 6.25%, 12/01/31 County of San Bernardino California, Refunding RB, Home Mortgage- Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 State of California, GO, Various Purpose: 6.00%, 3/01/33 6.50%, 4/01/33  State 11.5% City of San Jose California, RB,			
Series A, 6.35%, 12/01/29 Series B, 6.25%, 12/01/31 County of San Bernardino California, Refunding RB, Home Mortgage- Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  140 143,682 395,233  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 3,500 3,769,500 State of California, GO, Various Purpose: 6.00%, 3/01/33 5,000 5,503,550 6,50%, 4/01/33 9,875 11,195,979  Transportation 11.5% City of San Jose California, RB,			
Series B, 6.25%, 12/01/31 85 85,921 County of San Bernardino California, Refunding RB, Home Mortgage- Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31 140 143,682  State 4.1% California State Public Works Board, RB, Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 3,500 3,769,500 State of California, GO, Various Purpose: 6.00%, 3/01/33 5,000 5,503,550 6.50%, 4/01/33 9,875 11,195,979  Transportation 11.5% City of San Jose California, RB,		155	165,630
County of San Bernardino California, Refunding RB, Home Mortgage- Backed Securities, Series A-1,  AMT (GNMA), 6.25%, 12/01/31  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside  Campus Project, Series B, 6.50%, 4/01/34  State of California, GO, Various Purpose: 6.00%, 3/01/33  5,000  5,503,550  6.50%, 4/01/33  9,875  11,195,979  20,469,029  Transportation 11.5%  City of San Jose California, RB,			
Refunding RB, Home Mortgage- Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside  Campus Project, Series B, 6.50%, 4/01/34  3,500  3,769,500  State of California, GO, Various Purpose: 6.00%, 3/01/33  5,000  5,503,550 6.50%, 4/01/33  9,875  11,195,979  20,469,029			30,721
Backed Securities, Series A-1, AMT (GNMA), 6.25%, 12/01/31  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside  Campus Project, Series B, 6.50%, 4/01/34  State of California, GO, Various Purpose: 6.00%, 3/01/33  5,000  5,503,550  6.50%, 4/01/33  9,875  11,195,979  20,469,029			
AMT (GNMA), 6.25%, 12/01/31  140  143,682  395,233  State 4.1%  California State Public Works Board, RB, Department of Education, Riverside  Campus Project, Series B, 6.50%, 4/01/34  3,500 3,769,500  State of California, GO, Various Purpose: 6.00%, 3/01/33 5,000 5,503,550 6.50%, 4/01/33 9,875 11,195,979  20,469,029			
State 4.1%  California State Public Works Board, RB,  Department of Education, Riverside  Campus Project, Series B, 6.50%,  4/01/34  State of California, GO, Various Purpose:  6.00%, 3/01/33  5,000  5,503,550  6.50%, 4/01/33  9,875  11,195,979  20,469,029  Transportation 11.5%  City of San Jose California, RB,	AMT (GNMA), 6.25%, 12/01/31	140	143,682
State 4.1%  California State Public Works Board, RB,  Department of Education, Riverside  Campus Project, Series B, 6.50%,  4/01/34  State of California, GO, Various Purpose:  6.00%, 3/01/33  5,000  5,503,550  6.50%, 4/01/33  9,875  11,195,979  20,469,029  Transportation 11.5%  City of San Jose California, RB,			
California State Public Works Board, RB,  Department of Education, Riverside  Campus Project, Series B, 6.50%,  4/01/34 3,500 3,769,500  State of California, GO, Various Purpose:  6.00%, 3/01/33 5,000 5,503,550  6.50%, 4/01/33 9,875 11,195,979  20,469,029  Transportation 11.5%  City of San Jose California, RB,			395,233
California State Public Works Board, RB,  Department of Education, Riverside  Campus Project, Series B, 6.50%,  4/01/34 3,500 3,769,500  State of California, GO, Various Purpose:  6.00%, 3/01/33 5,000 5,503,550  6.50%, 4/01/33 9,875 11,195,979  20,469,029  Transportation 11.5%  City of San Jose California, RB,	State 41%		
Department of Education, Riverside Campus Project, Series B, 6.50%, 4/01/34 State of California, GO, Various Purpose: 6.00%, 3/01/33 6.50%, 4/01/33 5,000 5,503,550 6.50%, 4/01/33 9,875 11,195,979 20,469,029  Transportation 11.5% City of San Jose California, RB,			
Campus Project, Series B, 6.50%, 4/01/34 3,500 3,769,500 State of California, GO, Various Purpose: 6.00%, 3/01/33 5,000 5,503,550 6.50%, 4/01/33 9,875 11,195,979 20,469,029  Transportation 11.5% City of San Jose California, RB,			
4/01/34 State of California, GO, Various Purpose: 6.00%, 3/01/33 5,000 5,503,550 6.50%, 4/01/33 9,875 11,195,979 20,469,029  Transportation 11.5% City of San Jose California, RB,			
State of California, GO, Various Purpose:  6.00%, 3/01/33	4/01/34	3.500	3.769.500
5,000 5,503,550 6.50%, 4/01/33 5,000 5,503,550 9,875 11,195,979 20,469,029 Transportation 11.5% City of San Jose California, RB,			2,. 22,200
6.50%, 4/01/33  9,875  11,195,979  20,469,029  Transportation 11.5% City of San Jose California, RB,		5.000	5,503,550
Transportation 11.5% City of San Jose California, RB,	6.50%, 4/01/33		11,195,979
Transportation 11.5% City of San Jose California, RB,			
City of San Jose California, RB,			20,469,029
City of San Jose California, RB,	Transportation 11.5%		
Series D (NPFGC), 5.00%, 3/01/28 4,576,281	City of San Jose California, RB,		
	Series D (NPFGC), 5.00%, 3/01/28	4,575	4,576,281

County of Orange California, RB, Series B, 5.75%, 7/01/34 County of Sacramento California, RB,		5,000	5,431,650
Subordinated and PFC/Grant, Series C (AGC), 5.75%, 7/01/39		4,880	5,234,190
Los Angeles Department of Airports,		4,000	3,234,190
Refunding RB, Senior, Los Angeles			
International Airport, Series A, 5.00%,			0.024.270
5/15/40 Port of Oakland, RB, Series K, AMT		8,770	8,936,279
(NPFGC):			
5.88%, 5/01/10 (b)		20	20,003
5.75%, 11/01/29		11,405	11,404,316
		Par	
Municipal Bonds		(000)	Value
California (continued)			
Transportation (concluded)			
San Francisco City & County Airports			
Commission, RB:	_		
Series E, 6.00%, 5/01/39 Special Facility Lease, SFO Fuel,	\$	9,650	\$ 10,584,506
Series A, AMT (AGM), 6.10%,			
1/01/20		1,000	1,001,360
Special Facility Lease, SFO Fuel,			
Series A, AMT (AGM), 6.13%, 1/01/27		985	985,837
San Francisco City & County Airports		903	905,057
Commission, Refunding RB,			
Second Series 34E, AMT (AGM):			
5.75%, 5/01/24		5,000	5,316,000
5.75%, 5/01/25		3,500	3,702,125
			57,192,547
Utilities 22.9%			
City of Glendale California, RB (NPFGC),			
5.00%, 2/01/32 City of None Colifornia, RR (AMRAC)		4,390	4,425,559
City of Napa California, RB (AMBAC), 5.00%, 5/01/35		9,070	9,279,608
City of Oakland California, RB,			
Series A (AGM), 5.00%, 6/15/29 City of Santa Clara California, RB,		4,270	4,349,337
Sub-Series A (NPFGC), 5.00%,			
7/01/28		5,500	5,541,250
Contra Costa Water District, Refunding RB:			
Series L, (AGM), 5.00%, 10/01/32		4,135	4,230,436
Series O, (AMBAC), 5.00%,			
10/01/24		1,735	1,848,243
East Bay Municipal Utility District, RB (NPFGC):			
Series A, 5.00%, 6/01/37		6,500	6,783,205
Sub-Series A, 5.00%, 6/01/35		15,000	15,516,150
East Bay Municipal Utility District,			
Refunding RB, Sub-Series A (AMBAC): 5.00%, 6/01/33		4,100	4,306,763
,		.,200	,,,

5.00%, 6/01/37	7,985	8,332,906
El Centro Financing Authority California,		
RB, Series A (AGM), 5.25%, 10/01/35	1,100	1,101,727
Los Angeles Department of Water &		
Power, RB:		
Power System, Sub-Series A-1, (AMBAC), 5.00%, 7/01/37	5,025	5,161,680
System, Sub-Series A-2 (AGM),		
5.00%, 7/01/35	7,500	7,695,525
Metropolitan Water District of Southern		
California, RB, Series B-1 (NPFGC),		
5.00%, 10/01/33	7,175	7,323,738
Oxnard Financing Authority, RB,		
Redwood Trunk Sewer & Headworks,		
Series A (NPFGC), 5.25%, 6/01/34	13,000	13,094,250
BLACKROCK MUNIYIELD CALIFORNIA INSURED FUND, INC.	APRIL 30, 2010	3

Schedule of Investments (continued)		BlackRock MuniYield California Insured Fund, Inc. (MCA) (Percentages shown are based on Net Assets)	
Municipal Bonds	Par (000)	Value	
California (concluded)			
Utilities (concluded)			
Sacramento Regional County Sanitation District, RB, Sacramento Regional			
County Sanitation (NPFGC), 5.00%,	¢ 7,070	ф 7.266.960	
12/01/27 San Diego County Water Authority, COP,	\$ 7,070	\$ 7,366,869	
Series A (AGM), 5.00%, 5/01/31	3,000	3,067,860	
Turlock Public Financing Authority California, RB, Series A (NPFGC),			
5.00%, 9/15/33 Vallecitos Water District California, COP,	3,000	3,038,820	
Refunding, Series A (AGM), 5.00%,			
7/01/27	2,000	2,068,000	
		114,531,926	
Total Municipal Bonds 109.3%		545,552,528	
Municipal Bonds Transferred to Tender Option Bond Trusts (c)			
California 42.1%			
Corporate 5.6%			
San Francisco Bay Area Rapid Transit			
District, Refunding RB, Series A (NPFGC), 5.00%, 7/01/30	19,630	20,177,285	
University of California, RB, Series L,			
5.00%, 5/15/40	7,398	7,587,638	
		27,764,923	
County/City/Special District/School District 17.6%			
City of Long Beach California, RB, Series A, AMT, 5.38%, 5/15/24	15,150	15,308,015	
Fremont Unified School District Alameda	13,130	13,300,013	
County California, GO, Election of 2002, Series B (AGM), 5.00%,			
8/01/30	5,997	6,144,000	
Los Angeles Community College District			

California, GO, Series A:

Election of 2001, (AGM), 5.00%,				
8/01/32		12,000		12,284,880
Election of 2001, Series A (NPFGC), 5.00%, 8/01/32		20,000		20,450,000
Election of 2008, 6.00%, 8/01/33		9,596		10,759,838
Los Angeles Unified School District California, GO, Series I, 5.00%,				
1/01/34		5,000		5,088,000
Poway Unified School District, GO,				
Election of 2002, Improvement District 02, Series 1-B (AGM), 5.00%,				
8/01/30		10,000		10,247,300
Municipal Bonds Transferred to Tender		Par		V-l
Option Bond Trusts (c)		(000)		Value
California (concluded)				
County/City/Special District/School District (concluded)				
San Diego County Water Authority, COP, Series A (AGM), 5.00%, 5/01/30	¢	7.250	¢	7 520 492
Series A (AGIVI), 5.00%, 5/01/50	\$	7,350	\$	7,539,483
				87,821,516
Education 5.0%				
California State University, RB,				
Systemwide, Series A (AGM), 5.00%, 11/01/39		4,860		4,914,286
Los Angeles Community College District				
California, GO, Election of 2003, Series E (AGM), 5.00%, 8/01/31		7,497		7,674,613
University of California, RB, Series O,		·		
5.75%, 5/15/34		11,190		12,564,020
				25,152,919
Utilities 13.9%				
Anaheim Public Financing Authority				
California, RB, Electric System Distribution Facilities, Series A (AGM),				
5.00%, 10/01/31		3,568		3,588,165
Los Angeles Department of Water & Power, RB, Power System,				
Sub-Series A-1 (AGM), 5.00%,				
7/01/31 Los Angeles Department of Water &		5,007		5,170,570
Power, Refunding RB, Power System,				
Sub-Series A-2 (NPFGC), 5.00%, 7/01/27		16,000		16,541,120
Metropolitan Water District of Southern		10,000		10,541,120
California, RB, Series A, 5.00%,		15,000		15 660 200
7/01/37 Rancho Water District Financing		15,000		15,669,300
Authority, Refunding RB,		0.2==		0.400.402
Series A (AGM), 5.00%, 8/01/34 San Diego County Water Authority, COP,		9,277		9,490,192
Refunding, Series 2008-A (AGM),				
5.00%, 5/01/33		8,510 10,000		8,776,023 10,226,200
		- 3,000		-,==J <b>,=</b> UU

San Diego County Water Authority, COP, Series A (AGM), 5.00%, 5/01/31	
	69,461,570
Total Municipal Bonds Transferred to Tender Option Bond Trusts 42.1%	210,200,928
Total Long-Term Investments (Cost \$743,169,191) 151.4%	755,753,456
Short-Term Securities	- CI
Snort-1erm Securities	Shares
CMA California Municipal Money Fund, 0.04% (d)(e)	9,441,523 9,441,523
CMA California Municipal Money Fund,	
CMA California Municipal Money Fund, 0.04% (d)(e)  Total Short-Term Securities	9,441,523 9,441,523

Schedule of Investments (concluded)

BlackRock MuniYield California Insured Fund, Inc. (MCA)
(Percentages shown are based on Net Assets)

	Value
Total Investments	
(Cost \$752,610,714*) 153.3%	\$ 765,194,979
Other Assets Less Liabilities 1.8%	8,854,414
Liability for Trust Certificates, Including Interest	
Expense and Fees Payable (21.7)%	(108,372,767)
Preferred Shares, at Redemption Value (33.4)%	(166,550,073)
Net Assets Applicable to Common Shares 100.0%	\$ 499,126,553

<sup>\*</sup> The cost and unrealized appreciation (depreciation) of investments as of April 30, 2010, as computed for federal income tax purposes, were as follows:

Aggregate cost	\$	648,514,018
	_	
Gross unrealized appreciation	\$	16,413,772
Gross unrealized depreciation		(8,008,280)
Net unrealized appreciation	\$	8,405,492

- (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) 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.
- (d) 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, were as follows:

Affiliate	Shares Held at July 31, 2009	Shares Held at April 30, Net Activity 2010		Income	
CMA California Municipal Money Fund	21,941,944	(12,500,421)	9,441,523	\$	3,545

(e) Represents the current yield as of report date.

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 semi-annual report.

The following table summarizes the inputs used as of April 30, 2010 in determining the fair valuation of the Fund s investments:

Investments in Securities						
Valuation Inputs		Level 1		Level 2	Level 3	Total
Assets:						
Long-Term						
Investments <sup>1</sup>			\$	755,753,456		\$ 755,753,456
Short-Term						
Securities	\$	9,441,523				9,441,523
Total	\$	9,441,523	\$	755,753,456		\$ 765,194,979

See above Schedule of Investments for value in each sector.

BLACKROCK MUNIYIELD CALIFORNIA INSURED FUND, INC.	APRIL 30, 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 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 MuniYield California Insured Fund, Inc.

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

Date: June 28, 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 Insured Fund, Inc.

Date: June 28, 2010

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

Date: June 28, 2010