

Invesco Van Kampen California Value Municipal Income Trust
Form N-Q
September 29, 2010

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**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 811-07404

Invesco Van Kampen California Value Municipal Income Trust

(Exact name of registrant as specified in charter)

1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Address of principal executive offices) (Zip code)

Colin Meadows 1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Name and address of agent for service)

Registrant's telephone number, including area code: (713) 626-1919

Date of fiscal year end: 10/31

Date of reporting period: 07/31/10

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Item 1. Schedule of Investments.

**Invesco Van Kampen California Value
Municipal Income Trust**
Quarterly Schedule of Portfolio Holdings
July 31, 2010

invesco.com/us

VK-CE-CAVMI-QTR-1 07/10

Invesco Advisers, Inc.

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited)

Par Amount (000)	Description	Coupon	Maturity	Value
	Municipal Bonds 169.2%			
	California 163.2%			
\$ 2,000	Abag Fin Auth For Nonprofit Corp CA Insd Rev Ctf Lincoln Glen Manor Sr Ctzn (CA MTG Insd)	6.100%	02/15/25	\$ 2,001,760
2,000	Adelanto, CA Pub Util Auth Rev Rfdg Util Sys Proj, Ser A	6.750	07/01/39	2,067,440
1,725	Alhambra, CA Rev Atherton Baptist Homes, Ser A	7.500	01/01/30	1,826,292
3,540	Anaheim, CA Pub Fin Auth Lease Rev Cap Apprec Pub Impt Proj, Ser C (AGM Insd)	*	09/01/32	867,442
4,250	Anaheim, CA Redev Agy Tax Alloc Rfdg Merged Redev Proj Area, Ser A (AGM Insd) (a)	5.000	02/01/31	4,283,065
4,120	Apple Valley, CA Redev Agy Tax Alloc Proj Area No 2 (AMBAC Insd)	5.000	06/01/37	3,694,486
2,790	Banning, CA Cmnty Redev Agy Tax Alloc Merged Downtown (Radian Insd)	5.000	08/01/23	2,592,970
2,510	Bay Area Govt Assn CA Lease West Sacramento, Ser A (Syncora Gtd)	5.000	09/01/24	2,588,864
4,500	Bay Area Toll Auth CA Toll Brdg Rev San Francisco Bay Area, Ser F1 (a)	5.125	04/01/39	4,689,900
6,000	Bay Area Toll Auth CA Toll Brdg Rev, Ser F (a)	5.000	04/01/31	6,248,040
3,000	Beverly Hills, CA Uni Sch Dist Cap Apprec 2008 Election	*	08/01/28	1,209,510

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 1,510	Brea & Olinda, CA Uni Sch Dist Ctf Partn Rfdg, Ser A (AGM Insd)	5.500%	08/01/20	\$ 1,587,916
3,535	Brea, CA Redev Agy Tax Alloc Rfdg, Ser A (AMBAC Insd)	5.500	08/01/20	3,603,119
3,000	California Cnty, CA Tob Sec Agy Tob Asset Bkd Los Angeles Cnty Sec (b)	0.00/5.450	06/01/28	2,327,520
2,000	California Ed Fac Auth Rev CA College Arts	5.000	06/01/35	1,720,260
7,480	California Ed Fac Auth Rev Claremont McKenna College (a)	5.000	01/01/38	7,732,450
2,000	California Ed Fac Auth Rev Pitzer College	5.375	04/01/34	2,044,480
1,445	California Ed Fac Auth Rev Pooled College & Univ, Ser B	5.250	04/01/24	1,393,009
10,200	California Ed Fac Auth Rev Univ Southn CA, Ser A (a)	5.250	10/01/39	10,981,014
2,500	California Hlth Fac Fin Auth Rev Adventist Hlth Sys West, Ser A	5.750	09/01/39	2,591,100
2,500	California Hlth Fac Fin Auth Rev Catholic Hlthcare West, Ser A	6.000	07/01/39	2,689,200
4,000	California Hlth Fac Fin Auth Rev Cedars Sinai Med Ctr	5.000	08/15/39	3,874,880
2,000	California Hlth Fac Fin Auth Rev Childrens Hosp (AGM Insd)	5.250	07/01/38	2,009,120
3,000	California Hlth Fac Fin Auth Rev Providence Hlth & Svc, Ser C	6.500	10/01/33	3,439,950
3,500	California Hlth Fac Fin Auth Rev Scripps Hlth, Ser A	5.000	11/15/36	3,520,440

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 3,000	California Hlth Fac Fin Auth Rev Sutter Hlth, Ser A	5.000%	11/15/42	\$ 2,888,220
2,300	California Hsg Fin Agy Rev Home Mtg, Ser E (FGIC Insd) (AMT)	5.000	02/01/24	2,166,301
8,480	California Hsg Fin Agy Rev Home Mtg, Ser G (a)	4.950	08/01/23	7,983,157
5,150	California Hsg Fin Agy Rev Home Mtg, Ser M (AMT)	4.700	08/01/36	4,107,743
2,005	California Hsg Fin Agy Rev Multi-Family Hsg III, Ser A (NATL Insd) (AMT)	5.850	08/01/17	2,006,985
2,500	California Muni Fin Auth Ctf Partn Cmnty Hosp Cent CA	5.250	02/01/37	2,271,150
1,000	California Muni Fin Auth Ed High Tech High Chula Vista, Ser B (c)	6.000	07/01/28	942,420
1,000	California Pollutn Ctl Fin Auth Pollutn Ctl Rev Gas & Elec Rfdg, Ser A (NATL Insd)	5.900	06/01/14	1,148,560
2,450	California Pollutn Ctl Fin Auth San Jose Water Co Proj	5.100	06/01/40	2,459,236
3,500	California Pollutn Ctl Fin Auth Solid Waste Disp Rev Waste Mgmt Inc Proj, Ser B (AMT)	5.000	07/01/27	3,515,085
2,000	California Pollutn Ctl Fin Auth Solid Waste Disp Rev Waste Mgmt Inc Proj, Ser C (AMT) (d)	5.125	11/01/23	2,013,560
15	California Rural Home Mtg Fin Auth Single Family Mtg Rev Mtg Bkd Sec Pgm, Ser B (GNMA Collateralized) (AMT)	6.150	06/01/20	15,551

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 35	California Rural Home Mtg Fin Auth Single Family Mtg Rev Mtg Bkd Sec Pgm, Ser B (GNMA Collateralized) (AMT)	6.250%	12/01/31	\$ 35,411
9,000	California St Dept Vet Affairs Home Pur Rev, Ser A (AMT) (a)	4.950	12/01/37	8,008,560
2,000	California St Dept Wtr Res Pwr Supply Rev, Ser F-5	5.000	05/01/22	2,240,100
3,000	California St Econ Recovery Rfdg, Ser A	5.250	07/01/21	3,427,560
3,000	California St Univ Rev Syswide, Ser A	5.250	11/01/38	3,182,250
10,000	California St Univ Rev Syswide, Ser D (AGM Insd) (a)	4.500	11/01/37	9,553,400
1,150	California St Var Purp	5.750	04/01/31	1,231,109
2,500	California Statewide Cmnty Dev Auth CHF Irvine LLC UCI East Campus	5.750	05/15/32	2,559,600
2,230	California Statewide Cmnty Dev Auth CHF Irvine LLC UCI East Rfdg	5.000	05/15/38	2,071,960
1,250	California Statewide Cmnty Dev Auth Rev CA Baptist Univ, Ser A	5.500	11/01/38	1,049,737
2,000	California Statewide Cmnty Dev Auth Rev FHA Insd Mtg Methodist Hosp Proj (FHA Gtd)	6.750	02/01/38	2,231,280
1,500	California Statewide Cmnty Dev Auth Rev Front Porch Cmnty & Svc, Ser A (c)	5.125	04/01/37	1,348,335

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) *continued*

Par Amount (000)	Description	Coupon	Maturity	Value
California (continued)				
\$ 1,825	California Statewide Cmnty Dev Auth Rev Hlth Fac Adventist Hlth, Ser A	5.000%	03/01/19	\$ 1,913,731
2,750	California Statewide Cmnty Dev Auth Rev Insd Enloe Med Ctr (CA MTG Insd)	6.250	08/15/28	2,952,675
2,000	California Statewide Cmnty Dev Auth Rev Kaiser Permanente, Ser A	5.000	04/01/19	2,229,700
2,000	California Statewide Cmnty Dev Auth Rev Sr Living Southn CA Presbyterian Homes	7.250	11/15/41	2,187,760
2,000	California Statewide Cmnty Dev Auth Rev Amern Baptist Homes West	6.250	10/01/39	2,013,640
260	Carlsbad, CA Spl Tax Escrow Cmnty Fac 3 Impt Area 2	6.050	09/01/28	247,377
845	Carlsbad, CA Spl Tax Escrow Cmnty Fac 3 Impt Area 2	6.150	09/01/38	784,464
2,000	Carson, CA Redev Agy Tax Alloc Rfdg, Ser A (NATL Insd)	5.000	10/01/23	2,023,480
1,085	Cathedral City, CA Pub Fin Auth Rev Cap Apprec, Ser A (NATL Insd)	*	08/01/27	381,681
1,085	Cathedral City, CA Pub Fin Auth Rev Cap Apprec, Ser A (NATL Insd)	*	08/01/28	355,815
1,085	Cathedral City, CA Pub Fin Auth Rev Cap Apprec, Ser A (NATL Insd)	*	08/01/30	307,728

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 1,085	Cathedral City, CA Pub Fin Auth Rev Cap Apprec, Ser A (NATL Insd)	*	08/01/31	\$ 286,592
1,085	Cathedral City, CA Pub Fin Auth Rev Cap Apprec, Ser A (NATL Insd)	*	08/01/32	267,279
1,085	Cathedral City, CA Pub Fin Auth Rev Cap Apprec, Ser A (NATL Insd)	*	08/01/33	249,680
220	Cerritos, CA Cmnty College Dist Election 2004, Ser A (NATL Insd)	5.000%	08/01/27	227,651
2,000	Chula Vista, CA Cmnty Fac Dist Spl Tax No 01-1 Impt Area San Miguel, Ser B	5.350	09/01/26	1,775,780
2,000	Chula Vista, CA Indl Dev Rev San Diego Gas, Ser A	5.300	07/01/21	2,147,660
1,540	Chula Vista, CA Redev Agy Tax Alloc Sub Bayfront Rfdg, Ser B	5.250	10/01/27	1,356,956
1,605	Coachella, CA Fin Auth Tax Alloc Rev Redev Proj 4 Rfdg, Ser B (Syncora Gtd)	5.250	09/01/34	1,469,747
970	Coachella, CA Redev Agy Tax Alloc Proj Area No 3 Rfdg	5.875	12/01/28	880,430
2,000	Colton, CA Redev Agy Tax Alloc Mt Vernon Corridor Redev Proj	6.300	09/01/36	2,003,600
1,600	Commerce, CA Jt Pwr Fin Auth Lease Rev Cmnty Ctr Proj (Syncora Gtd)	5.000	10/01/29	1,513,072

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 2,000	Commerce, CA Jt Pwr Fin Auth Lease Rev Cmnty Ctr Proj (Syncora Gtd)	5.000%	10/01/34	\$ 1,814,940
1,750	Compton, CA Wtr Rev	6.000	08/01/39	1,832,985
1,975	Daly City, CA Hsg Dev Fin Agy Mobile Home Pk Rev Third Tier Franciscan Rfdg, Ser C	6.500	12/15/47	1,741,515
2,000	Desert Hot Springs, CA Redev Agy Tax Alloc Merged Redev Proj, Ser A-2	5.750	09/01/38	1,972,460
1,500	Eden Township Hlthcare Dist	6.000	06/01/30	1,509,825
960	El Cerrito, CA Redev Agy Tax Alloc Redev Proj Area Rfdg, Ser B (NATL Insd) (AMT)	5.250	07/01/15	1,062,528
1,000	Emeryville, CA Pub Fin Auth Rev Shellmound Pk Redev & Hsg Proj, Ser B (NATL Insd)	5.000	09/01/19	1,000,650
1,000	Fairfield, CA Cmnty Fac Dist Spl Tax No 2007-1 Fairfield Commons	6.875	09/01/38	972,690
5,155	Florin, CA Res Consv Dist Cap Impt Elk Grove Wtr Svc, Ser A (NATL Insd)	5.000	09/01/33	4,706,979
3,000	Folsom, CA Pub Fin Auth Spl Tax Rev, Ser A (AMBAC Insd)	5.000	09/01/28	2,829,360
1,000	Fontana, CA Redev Agy Tax Alloc Southwest Indl Park Proj (NATL Insd)	5.000	09/01/22	1,000,250
1,950	Fontana, CA Redev Agy Tax Alloc Southwest Indl Park Proj (NATL Insd)	5.200	09/01/30	1,886,215

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
California (continued)				
\$ 2,950	Foothill/Eastern Corridor Agy CA Toll Rd Rev (e)	*	01/01/27	\$ 1,510,134
10,000	Foothill/Eastern Corridor Agy CA Toll Rd Rev Cap Apprec Rfdg	*	01/15/25	3,726,600
15,000	Foothill/Eastern Corridor Agy CA Toll Rd Rev Cap Apprec Rfdg	*	01/15/26	5,244,450
5,000	Foothill/Eastern Corridor Agy CA Toll Rd Rev Cap Apprec Rfdg	*	01/15/31	1,244,400
5,500	Foothill/Eastern Corridor Agy CA Toll Rd Rev Conv Cap Apprec Rfdg	5.875%	01/15/27	5,477,450
1,955	Garden Grove, CA Agy Cmnty Dev Sub Nt (Acquired 5/27/08, Cost \$1,702,903) (f)	6.000	10/01/27	1,636,198
1,080	Golden St Tob Sec Corp CA Tob Settlement Rev Asset Bkd Sr, Ser A-1	4.500	06/01/27	939,762
5,435	Golden St Tob Sec Corp CA Tob Settlement Rev Asset Bkd Sr, Ser A-1	5.750	06/01/47	3,871,133
3,000	Hawthorne, CA Spl Tax Cmnty Fac Dist No, Ser 2006-1	5.000	09/01/36	1,977,570
2,000	Indio, CA Redev Agy Tax Alloc Sub Merged Redev Proj Area, Ser A	5.625	08/15/35	1,969,580
3,435	Irvine, CA Pub Fac & Infrastructure Auth Assmt Rev, Ser B (AMBAC Insd)	5.000	09/02/22	3,408,104
1,000	Jurupa, CA Cmnty Svc Dist Spl Tax Cmnty Fac Dist No 24, Ser A	6.375	09/01/27	1,019,840

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
California (continued)				
\$ 1,325	Jurupa, CA Cmnty Svc Dist Spl Tax Cmnty Fac Dist No 24, Ser A	6.625%	09/01/38	\$ 1,341,828
1,000	La Quinta, CA Fin Auth Loc Agy Rev, Ser A (AMBAC Insd)	5.250	09/01/24	1,014,620
1,420	La Quinta, CA Redev Agy Tax Alloc Redev Proj Area No 1 (AMBAC Insd)	5.000	09/01/22	1,443,686
1,500	La Quinta, CA Redev Agy Tax Redev Proj Area No 1 (AMBAC Insd)	5.125	09/01/32	1,417,515
1,000	Lancaster, CA Redev Agy Tax Comb Redev Proj Areas	6.875	08/01/39	1,120,730
1,000	Lathrop, CA Impt Bd Act 1915 Mossdale Vlg Assmt Dist 03-1	5.000	09/02/25	808,980
1,000	Loma Linda, CA Redev Agy Tax Loma Linda Redev Proj Rfdg (NATL Insd)	5.125	07/01/30	1,017,340
145	Long Beach, CA Bd Fin Auth Tax Alloc Rev North Long Beach Redev Proj, Ser A (AMBAC Insd)	5.375	08/01/21	146,383
2,000	Long Beach, CA Spl Tax Long Beach Towne Ctr	5.750	10/01/25	2,029,740
5,000	Los Angeles, CA Cmnty College Dist 2003 Election, Ser F1 (a)	5.000	08/01/33	5,139,350
2,215	Los Angeles, CA Cmnty Redev Agy Multi-Family Hsg Rev Grand Cent Square Rfdg, Ser B (AMBAC Insd) (AMT)	4.750	12/01/26	1,855,727

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 3,000	Los Angeles, CA Ctf Partn Sr Sonnenblick Del Rio W LA (AMBAC Insd)	6.000%	11/01/19	\$ 3,049,530
2,000	Los Angeles, CA Dept Arpt Rev LA Intl Arpt, Ser A	5.000	05/15/35	2,042,580
1,230	Los Angeles, CA Dept Arpt Rev LA Intl Arpt, Ser C	5.125	05/15/33	1,262,484
2,000	Los Angeles, CA Dept Wtr & Pwr Wtrwks Rev Sys, Ser A	5.375	07/01/38	2,165,880
2,000	Los Angeles, CA Uni Sch Dist, Ser D	5.000	01/01/34	2,046,160
4,000	Los Angeles, CA Wtr & Pwr Rev Pwr Sys, Ser A-1 (a)	5.250	07/01/38	4,276,200
3,000	Los Angeles, CA Wtr & Pwr Rev Pwr Sys, Ser A-1	5.250	07/01/38	3,207,120
1,250	Los Angeles Cnty, CA Sch Regionalized Business Svc Ctf Partn Cap Apprec Pooled Fin, Ser A (AGM Insd)	5.000	09/01/28	1,266,338
1,200	Los Angeles Cnty, CA Sch Regionalized Business Svc Ctf Partn Cap Apprec Pooled Fin, Ser A (AMBAC Insd)	*	08/01/26	394,740
2,000	Mendocino Cnty, CA Ctf Partn Cnty Pub Fac Corp (NATL Insd)	5.250	06/01/30	1,946,980
1,900	Metropolitan Wtr Dist Southn CA Auth, Ser B-2 (NATL Insd)	5.000	10/01/26	2,064,806
2,000	Montclair, CA Redev Agy Mobile Home Pk Rev Hacienda Mobile Home Pk Proj	6.000	11/15/22	2,023,120

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 2,055	Morongo Band of Mission Indians CA Enterprise Rev Indians Enterprise Casino, Ser B (c)	5.500%	03/01/18	\$ 1,952,764
2,175	Morongo Band Of Mission Indians CA Enterprise Rev Indians Enterprise Casino, Ser B (c)	6.500	03/01/28	2,068,947
3,180	Mount Diablo, CA Uni Sch Dist (AGM Insd) (a)	5.000	08/01/26	3,243,695
1,730	National City, CA Cmnty Dev Commn Tax Alloc National City Redev Proj, Ser A (AMBAC Insd)	5.500	08/01/32	1,701,818
2,000	Needles, CA Pub Util Auth Util Sys Acquisition Proj, Ser A	6.500	02/01/22	2,000,180
1,000	Orange Cnty, CA Arpt Rev, Ser A	5.000	07/01/31	1,020,520
1,000	Oxnard, CA Uni High Sch Dist Rfdg, Ser A (NATL Insd)	6.200	08/01/30	1,082,510
1,230	Palm Desert, CA Fin Auth Tax Alloc Rev Proj Area No 2 Rfdg, Ser A (NATL Insd)	5.000	08/01/21	1,235,793
250	Palm Springs, CA Arpt Sub Palm Springs Intl Arpt Rfdg (AMT)	5.450	07/01/20	231,530
475	Palm Springs, CA Arpt Sub Palm Springs Intl Arpt Rfdg (AMT)	5.550	07/01/28	424,565
250	Palm Springs, CA Arpt Sub Palm Springs Intl Arpt Rfdg (AMT)	6.000	07/01/18	242,823

Invesco Van Kampen California Value Municipal Income Trust
Portfolio of Investments n July 31, 2010 (Unaudited) *continued*

Par