

Invesco Van Kampen Trust for Investment Grade Municipals
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 811-06471

Invesco Van Kampen Trust for Investment Grade Municipals

(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 Trust for Investment Grade Municipals

Quarterly Schedule of Portfolio Holdings

July 31, 2010

invesco.com/us

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

Invesco Advisers, Inc.

**Invesco Van Kampen Trust for Investment Grade Municipals
 Portfolio of Investments July 31, 2010 (Unaudited)**

Par Amount (000)	Description	Coupon	Maturity	Value
Municipal Bonds 163.9%				
Alabama 2.0%				
\$ 3,660	Alabama St Brd Ed Rev & Impt Southn Univ St Cmnty Rfdg (NATL Insd)	5.250%	07/01/20	\$ 3,936,806
3,225	Bessemer, AL Governmental Util Svc Corp Wtr Supply Rev Rfdg, Ser A (AGL Insd) (a)	5.000	06/01/39	3,321,686
2,000	Healthcare Auth for Baptist Hlth AL, Ser A (b)	6.125	11/15/36	2,102,240
2,525	Huntsville Redstone Vlg, AL Spl Care Fac Fin Auth Redstone Vlg Proj	5.500	01/01/43	1,953,012
3,395	Selma, AL Indl Dev Brd Rev Gulf Opportunity Zone Intl Paper Co Proj, Ser A	6.250	11/01/33	3,562,305
				14,876,049
Alaska 0.7%				
1,575	Matanuska-Susitna Boro, AK Ctf Partn Pub Safety Bldg Lease (AGM Insd)	5.750	03/01/16	1,581,221
5,300	Northern Tob Sec Corp Rev Bkd, Ser A	5.000	06/01/46	3,427,139
				5,008,360
Arizona 4.3%				
2,560	Arizona St Trans Brd Hwy Rev, Ser B	5.000	07/01/25	2,841,293
3,835	Arizona St Trans Brd Hwy Rev, Ser B (a)	5.000	07/01/26	4,220,034
2,265	Glendale, AZ Indl Dev Auth John C Lincoln Hlth Rfdg, Ser B	5.000	12/01/37	2,078,726
750	Glendale, AZ Indl Dev Auth Midwestern Univ	5.000	05/15/35	747,832

Invesco Van Kampen Trust for Investment Grade Municipals
Portfolio of Investments July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
Arizona (continued)				
\$ 1,500	Glendale, AZ Indl Dev Auth Midwestern Univ	5.125%	05/15/40	\$ 1,507,335
1,775	Goodyear, AZ McDowell Rd Coml Corridor Impt Dist Impt (AMBAC Insd)	5.250	01/01/32	1,784,514
3,330	Maricopa Cnty, AZ Indl Dev Auth Hlth Fac Rev Catholic Hlthcare West, Ser C (b)	5.000	07/01/38	3,658,505
1,825	Maricopa Cnty, AZ Pollutn Ctl Corp Pollutn Ctl Rev Rfdg AZ Pub Svc Co, Ser B (b)	5.500	05/01/29	1,900,884
900	Navajo Cnty, AZ Pollutn Ctl Corp Rev, Ser C (b)	5.500	06/01/34	955,305
1,035	Navajo Cnty, AZ Pollutn Ctl Corp Rev, Ser E (b)	5.750	06/01/34	1,106,053
970	Phoenix, AZ Indl Dev Auth Ed Rev Career Success Sch Proj	7.000	01/01/39	990,011
925	Phoenix, AZ Indl Dev Auth Ed Rev Career Success Sch Proj	7.125	01/01/45	949,013
3,400	Pima Cnty, AZ Indl Dev Auth Wtr & Wastewtr Rev Global Wtr Resh LLC Proj (AMT)	6.550	12/01/37	3,397,042
3,145	Salt Riv Proj AZ Agric Impt & Pwr Dist Elec Sys Rev, Ser A (a)	5.000	01/01/28	3,432,422
3,135	University of AZ Med Ctr Corp	5.000	07/01/35	2,903,574
				32,472,543
California 16.9%				
1,300	Anaheim, CA Pub Fin Auth Lease Rev Pub Impt Proj, Ser C (AGM Insd)	6.000	09/01/16	1,476,267

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Portfolio of Investments July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
California (continued)				
\$ 1,500	Bay Area Toll Auth CA Toll Brdg Rev San Francisco Bay Area, Ser F1 (a)	5.000%	04/01/39	\$ 1,543,200
4,500	Bay Area Toll Auth CA Toll Brdg Rev San Francisco Bay Area, Ser F1	5.000	04/01/39	4,629,600
1,250	Beverly Hills, CA Uni Sch Dist Cap Apprec 2008 Election	*	08/01/28	503,962
1,500	California Hlth Fac Fin Auth Rev Catholic Hlthcare West, Ser A	6.000	07/01/34	1,622,505
3,000	California Hsg Fin Agy Rev Home Mtg, Ser G (AMT) (a)	4.950	08/01/23	2,824,230
2,000	California Hsg Fin Agy Rev Home Mtg, Ser G (AMT) (a)	5.050	02/01/29	1,872,100
7,300	California Hsg Fin Agy Rev Home Mtg, Ser I (AMT) (a)	4.800	08/01/36	5,924,315
4,800	California Hsg Fin Agy Rev Home Mtg, Ser K (AMT)	5.300	08/01/23	4,737,936
5,500	California Hsg Fin Agy Rev Home Mtg, Ser K (AMT)	5.450	08/01/28	5,245,350
1,500	California Pollutn Ctl Fin Auth Solid Waste Disp Rev Waste Mgmt Inc Proj, Ser B (AMT)	5.000	07/01/27	1,506,465
695	California St (AMBAC Insd)	5.125	10/01/27	695,188
990	California St Dept Wtr Res Cent VY Proj Rev Wtr Sys, Ser X (NATL Insd)	5.000	12/01/29	1,040,787
10	California St Dept Wtr Res Cent VY Proj Rev Wtr Sys, Ser X (NATL Insd) (Prerefunded @ 12/01/12)	5.000	12/01/29	11,065

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Portfolio of Investments July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
California (continued)				
\$ 1,175	California St Dept Wtr Res Wtr Rev Cent Vly Proj, Ser AE (a)	5.000%	12/01/24	\$ 1,309,044
1,500	California St Dept Wtr Res Wtr Rev Cent Vly Proj, Ser AE (a)	5.000	12/01/25	1,663,275
1,500	California St Dept Wtr Res Wtr Rev Cent Vly Proj, Ser AE (a)	5.000	12/01/26	1,649,190
875	California St Dept Wtr Res Wtr Rev Cent Vly Proj, Ser AE (a)	5.000	12/01/27	955,771
1,500	California St Dept Wtr Res Wtr Rev Cent Vly Proj, Ser AE (a)	5.000	12/01/28	1,627,815
2,900	California St Econ Recovery Rfdg, Ser A	5.250	07/01/21	3,313,308
5,000	California St Univ Rev & Co Systemwide, Ser A (AMBAC Insd)	5.000	11/01/33	5,040,900
1,800	California St Var Purp	5.750	04/01/31	1,926,954
4,000	California St Vet, Ser CD (AMT)	4.600	12/01/32	3,481,040
1,500	California Statewide Cmnty Dev Auth Rev Front Porch Cmnty & Svc, Ser A (c)	5.125	04/01/37	1,348,335
2,700	California Statewide Cmnty Dev Auth Rev Hlth Fac Adventist Hlth, Ser A	5.000	03/01/30	2,686,527
2,000	California Statewide Cmnty Dev Auth Rev Kaiser Permanente, Ser A	5.000	04/01/19	2,229,700
2,360	California Statewide Cmnty Dev Auth Rev Sutter Hlth, Ser A	5.000	11/15/43	2,242,566
590	Daly City, CA Hsg Dev Fin Agy Mobile Home Pk Rev Third Tier Franciscan Rfdg, Ser C	6.500	12/15/47	520,250

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Portfolio of Investments July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
California (continued)				
\$ 1,750	Florin, CA Res Consv Dist Cap Impt Elk Grove Wtr Svc, Ser A (NATL Insd)	5.000%	09/01/33	\$ 1,597,907
3,000	Florin, CA Res Consv Dist Cap Impt Elk Grove Wtr Svc, Ser B (NATL Insd)	5.000	03/01/33	2,742,060
2,000	Foothill/Eastern Corridor Agy CA Toll Rd Rev Cap Apprec Rfdg (NATL Insd)	*	01/15/17	1,312,880
10,750	Foothill/Eastern Corridor Agy CA Toll Rd Rev Sr Lien, Ser A (d)	*	01/01/23	6,893,330
3,000	Fremont, CA Uni Sch Dist, Ser A (NATL Insd)	5.000	08/01/25	3,117,540
3,150	Golden St Tob Sec Corp CA Tob Settlement Rev Asset Bkd Sr, Ser A-1	4.500	06/01/27	2,740,973
8,515	Golden St Tob Sec Corp CA Tob Settlement Rev Asset Bkd Sr, Ser A-1	5.750	06/01/47	6,064,894
4,000	Golden St Tob Sec Corp CA Tob Settlement Rev Enhanced, Ser A	5.000	06/01/45	3,656,440
1,000	Hesperia, CA Pub Fin Auth Rev Redev & Hsg Proj, Ser A (Syncora Gtd)	5.000	09/01/37	800,340
1,800	Los Angeles, CA Uni Sch Dist, Ser D	5.000	07/01/22	1,999,458
2,500	Metropolitan Wtr Dist Southn CA Wtrwks Rev Auth, Ser A	5.000	01/01/34	2,668,850
1,500	Metropolitan Wtr Dist Southn CA Wtrwks Rev Auth, Ser B1 (NATL Insd)	5.000	10/01/33	1,544,835

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Portfolio of Investments July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	California (continued)			
\$ 260	Morongo Band of Mission Indians CA Enterprise Rev Indians Enterprise Casino, Ser B (c)	5.500%	03/01/18	\$ 247,065
3,500	Palm Springs, CA Fin Auth Lease Rev Convention Ctr Proj, Ser A (NATL Insd)	5.500	11/01/35	3,555,125
1,700	Palomar Pomerado Hlthcare Dist CA Ctf Partn	6.750	11/01/39	1,858,746
2,280	Quechan Indian Tribe Ft Yuma Indian Reservation CA & Govt Proj	7.000	12/01/27	1,878,424
1,850	San Francisco, CA City & Cnty Arpt Commn Intl Arpt Rfdg 2nd, Ser A-4 (AMT) (b)	6.500	05/01/19	1,974,135
3,000	Temecula, CA Redev Agy Tax Temecula Redev Proj No 1 (NATL Insd)	5.250	08/01/36	2,798,850
4,700	Tobacco Sec Auth Northn CA Tob Settlement Rev, Ser A-1	5.375	06/01/38	3,579,050
3,550	Tobacco Sec Auth Northn CA Tob Settlement Rev, Ser A-1	5.500	06/01/45	2,437,040
2,300	Tobacco Sec Auth Southn CA Tob Settlement, Ser A-1	5.000	06/01/37	1,687,280
7,600	Tobacco Sec Auth Southn CA Tob Settlement, Ser A-1	5.125	06/01/46	4,879,200
1,600	Turlock, CA Hlth Fac Rev Emanuel Med Ctr Inc	5.375	10/15/34	1,419,056
3,250	Vernon, CA Elec Sys Rev, Ser A	5.125	08/01/21	3,467,653
				128,548,776

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Par Amount (000)	Description	Coupon	Maturity	Value
	Colorado 2.5%			
\$ 2,000	Aurora, CO Ctf Partn (AMBAC Insd) (Prerefunded @ 12/01/10)	5.500%	12/01/30	\$ 2,035,420
3,405	Colorado Ed & Cultural Fac Auth Rev Impt Charter Sch Rfdg (Syncora Gtd)	5.250	12/01/23	3,476,948
800	Colorado Hlth Fac Auth Hlth & Residential Care Fac Volunteers of Amer Care, Ser A	5.250	07/01/27	726,456
600	Colorado Hlth Fac Auth Hlth & Residential Care Fac Volunteers of Amer Care, Ser A	5.300	07/01/37	481,386
7,300	Colorado Hlth Fac Auth Rev Catholic Hlth, Ser C-5 (AGM Insd) (a)	5.000	09/01/36	7,407,237
1,125	Colorado Hlth Fac Auth Rev Hosp Portercare Adventist Hlth (Prerefunded @ 11/15/11)	6.500	11/15/31	1,224,202
970	Montezuma Cnty, CO Hosp Dist Hlth Fac Enterprise Hosp Rfdg	5.900	10/01/37	842,018
1,200	North Range, CO Met Dist No 2 Ltd Tax	5.500	12/15/37	933,936
2,050	Salida, CO Hosp Dist Rev	5.250	10/01/36	1,651,029
				18,778,632
	Connecticut 0.7%			
3,580	Connecticut St Spl Oblig Pkg Rev Bradley Intl Arpt, Ser A (ACA Insd) (AMT)	6.600	07/01/24	3,431,609

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Par Amount (000)	Description	Coupon	Maturity	Value
	Connecticut (continued)			
\$ 2,150	Hamden, CT Fac Rev EFPRBS Whitney Ctr Proj, Ser B	6.125%	01/01/14	\$ 2,143,012
				5,574,621
	District of Columbia 2.4%			
3,650	District Columbia Hosp Rev Sibley Mem Hosp	6.375	10/01/34	3,937,218
1,150	District Columbia Wtr & Swr Auth Pub Util Rev Sub Lien Rfdg, Ser A (AGL Insd) (a)	5.000	10/01/29	1,224,463
2,350	District Columbia Wtr & Swr Auth Pub Util Rev Sub Lien Rfdg, Ser A (AGL Insd) (a)	5.000	10/01/34	2,455,586
6,000	District Columbia Wtr & Swr Auth Pub Util Rev Sub Lien, Ser A (AGM Insd)	5.500	10/01/41	6,371,340
1,100	District of Columbia Hosp Rev Sibley Mem Hosp	6.500	10/01/29	1,213,267
2,000	District of Columbia Rev Friendship Pub Charter Sch Inc (ACA Insd)	5.750	06/01/18	2,032,100
5	District of Columbia, Ser E (AGM Insd)	6.000	06/01/13	5,023
1,000	Metropolitan Washington DC Arpt Auth Sys, Ser A (NATL Insd) (AMT)	5.250	10/01/32	1,008,380
				18,247,377
	Florida 25.6%			
1,000	Alachua Cnty, FL Indl Dev Rev North FL Retirement Vlg	5.250	11/15/17	983,590
1,000	Alachua Cnty, FL Indl Dev Rev North FL Retirement Vlg	5.875	11/15/36	899,650
500	Alachua Cnty, FL Indl Dev Rev North FL Retirement Vlg	5.875	11/15/42	438,895

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Portfolio of Investments July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	Florida (continued)			
\$ 335	Beacon Lakes, FL Cmnty Dev FL Spl Assmt, Ser A	6.000%	05/01/38	\$ 296,787
250	Beacon Lakes, FL Cmnty Dev FL Spl Assmt Sub, Ser B	6.200	05/01/38	219,312
4,960	Brevard Cnty, FL Hlth Fac Auth Hlthcare Fac Rev Hlth First Inc Proj	5.000	04/01/34	4,715,373
1,760	Brevard Cnty, FL Hlth Fac Auth Residential Care Fac Rev Buena Vida Estates Inc	6.750	01/01/37	1,708,238
1,000	Broward Cnty, FL Hsg Fin Auth Multi-Family Hsg Rev Pembroke Pk Apts Proj (AMT)	5.650	10/01/28	981,000
1,300	Capital Tr Agy FL Rev Ft Lauderdale Proj (AMT)	5.750	01/01/32	1,159,847
4,000	Citizens Ppty Ins Corp FL High Risk Sr Sec, Ser A-1	5.000	06/01/14	4,252,160
3,410	Citizens Ppty Ins Corp FL High Risk Sr Sec, Ser A-1	5.250	06/01/17	3,608,189
515	Escambia Cnty, FL Hlth Fac Auth Rev (AMBAC Insd)	5.950	07/01/20	532,510
210	Florida Hsg Fin Agy Homeownership Mtg, Ser B (AMT)	8.595	11/01/18	239,232
350	Florida Hsg Fin Corp Rev Homeowner Mtg, Ser 4 (AGM Insd) (AMT)	6.250	07/01/22	370,884
1,000	Florida Hsg Fin Corp Rev Hsg Wentworth II Apts, Ser A (AMBAC Insd) (AMT)	5.375	11/01/29	1,002,800

Invesco Van Kampen Trust for Investment Grade Municipals
Portfolio of Investments July 31, 2010 (Unaudited) continued

Par Amount (000)	Description	Coupon	Maturity	Value
	Florida (continued)			
\$ 8,475	Florida Ports Fin Comm Rev St Trans Tr Fd Intermodal Pgm (NATL Insd) (AMT)	5.500%	10/01/29	\$ 8,510,425
2,000	Florida Ports Fin Comm Rev St Trans Tr Fd (NATL Insd) (AMT)	5.375	06/01/27	2,000,420
15,000	Florida St Brd Ed Pub Ed Cap Outlay, Ser D (a)	4.750	06/01/35	15,232,050
7,295	Florida St Dept Trans Tpk Rev, Ser A (a)	5.000	07/01/29	7,628,309
1,910	Florida St Tpk Auth Tpk Rev Dept Trans Rfdg, Ser A (a)	5.000	07/01/26	2,028,496
1,935	Florida St Tpk Auth Tpk Rev Dept Trans Rfdg, Ser A (a)	5.000	07/01/27	2,045,663
2,100	Florida St Tpk Auth Tpk Rev Dept Trans Rfdg, Ser A (a)	5.000	07/01/28	2,205,630
2,500	Florida St Tpk Auth Tpk Rev Dept Trans Rfdg, Ser A (a)	5.000		