

Invesco Insured California Municipal Securities
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 811-07111
Invesco Insured California Municipal Securities**

(Exact name of registrant as specified in charter)
1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Address of principal executive offices) (Zip code)
Philip A. Taylor 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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Invesco Insured California Municipal Securities

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invesco.com/us

MS-CE-ICAMS-QTR-1 07/10

Invesco Advisers, Inc.

Schedule of Investments

July 31, 2010

(Unaudited)

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|--|------------------|------------------|------------------------------|------------|
| <i>Municipal Obligations 107.0%</i> | | | | |
| <i>California 104.3%</i> | | | | |
| Alameda County Joint Powers Authority, Ser 2008 (AGM Insd) (a) | 5.00% | 12/01/24 | \$ 235 | \$ 247,434 |
| Alhambra Unified School District, Ser 2009 B (AGC Insd) (a)(b) | 0.00 | 08/01/35 | 280 | 58,948 |
| Alhambra Unified School District, Ser 2009 B (AGC Insd) (a)(b) | 0.00 | 08/01/36 | 450 | 88,565 |
| Alvord Unified School District, Ser 2008 A (AGM Insd) (a) | 5.00 | 08/01/28 | 185 | 193,436 |
| Anaheim Public Financing Authority, Electric System Ser 2007 A (NATL-RE Insd) (a) | 4.50 | 10/01/37 | 1,000 | 959,210 |
| Bay Area Toll Authority, San Francisco Bay Area Ser 2009 F-1 (c) | 5.25 | 04/01/29 | 760 | 823,186 |
| Bay Area Toll Authority, San Francisco Bay Area Ser 2009 F-1 (c) | 5.25 | 04/01/26 | 680 | 753,270 |
| Beverly Hills Unified School District, Election of 2008 Ser 2009 (b) | 0.00 | 08/01/26 | 205 | 94,031 |
| Beverly Hills Unified School District, Election of 2008 Ser 2009 (b) | 0.00 | 08/01/32 | 430 | 134,861 |
| California Health Facilities Financing Authority, Children s Hospital, Ser 2010 A (AGM Insd) (a) | 5.25 | 07/01/38 | 450 | 452,052 |
| California Health Facilities Financing Authority, Scripps Memorial Hospital Ser 2010 A | 5.00 | 11/15/36 | 250 | 251,460 |
| California Infrastructure & Economic Development Bank, Bay Area Toll Bridges Seismic Retrofit 1st Lien Ser 2003 A (FGIC Insd) (ETM) (a)(d) | 5.00 | 01/01/28 | 1,500 | 1,819,020 |
| California Municipal Finance Authority, Community Hospitals Central California (COP) | 5.00 | 02/01/19 | 250 | 252,070 |
| California Pollution Control Financing Authority, San Jose Water Control Project Ser 2010 | 5.10 | 06/01/40 | 300 | 301,131 |
| California State Department of Veterans Affairs, Home Purchase Ser 2002 A (AMBAC Insd) (a) | 5.35 | 12/01/27 | 1,500 | 1,524,945 |
| California State Public Works Board, Department of Mental Health Coaling Ser 2004 A | 5.00 | 06/01/25 | 230 | 230,382 |
| California State University, Ser 2005 A (AMBAC Insd) (a) | 5.00 | 11/01/35 | 500 | 508,525 |
| California Statewide Communities Development Authority, American Baptist Homes West Ser 2010 | 6.25 | 10/01/39 | 250 | 251,705 |
| Campbell Union High School District, Election of 2006 Ser 2008 B (AGC Insd) (a) | 5.00 | 08/01/35 | 590 | 605,252 |

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| | | | | |
|---|------|----------|-------|-----------|
| City & County of San Francisco, City Buildings Ser 2007 A (COP) (NATL-RE & FGIC Insd) (a) | 4.50 | 09/01/37 | 1,000 | 935,350 |
| City & County of San Francisco, Laguna Honda Hospital Ser 2005 I (AGM Insd) (a) | 5.00 | 06/15/30 | 1,360 | 1,398,474 |
| City of Irvine, Limited Obligation Ser 85-7 A (AGM Insd) (a)(e)(f) | 0.30 | 09/02/32 | 718 | 718,000 |
| City of Los Angeles, Ser 2004 A (NATL-RE Insd) (a) | 5.00 | 09/01/24 | 1,030 | 1,111,308 |
| City of Redding, Electric System Ser 2008 A (COP) (AGM Insd) (a) | 5.00 | 06/01/27 | 360 | 372,715 |
| City of Riverside, Issue of 2008 D (AGM Insd) (a) | 5.00 | 10/01/28 | 500 | 520,370 |
| City of San Jose, Airport Ser 2001 (NATL-RE & FGIC Insd) (a) | 5.00 | 03/01/25 | 1,000 | 1,003,340 |
| City of Simi Valley, Public Financing Authority Ser 2004 (COP) (AMBAC Insd) (a) | 5.00 | 09/01/30 | 1,000 | 1,010,990 |
| Clovis Unified School District, Election of 2004 Ser A (NATL-RE & FGIC Insd) (a)(b) | 0.00 | 08/01/29 | 105 | 34,972 |
| Corona-Norco Unified School District, Election of 2006 Ser 2009 B (AGC Insd) (a)(b) | 0.00 | 08/01/28 | 890 | 310,263 |
| Dry Creek Joint Elementary School District, Election 2008 Ser 2009 E (b) | 0.00 | 08/01/48 | 2,860 | 236,665 |
| El Segundo Unified School District, Election of 2008 Ser 2009 A (b) | 0.00 | 08/01/33 | 615 | 151,991 |
| Fontana Unified School District, Ser 2008 B (AGM Insd) (a)(b) | 0.00 | 02/01/33 | 1,055 | 262,400 |
| Gilroy Unified School District, Election of 2008 Ser 2009 A (AGC Insd) (a)(b) | 0.00 | 08/01/29 | 750 | 244,778 |

See accompanying notes which are an integral part of this schedule.

Invesco Insured California Municipal Securities

Schedule of Investments

July 31, 2010

(Unaudited)

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|---|------------------|------------------|------------------------------|------------|
| Golden State Tobacco Securitization Corp., Enhanced Asset-Backed Ser 2005 A (FGIC Insd) (a) | 5.00% | 06/01/38 | \$ 1,000 | \$ 933,130 |
| Grossmont Union High School District, Ser 2006 (NATL-RE Insd) (a)(b) | 0.00 | 08/01/24 | 775 | 365,707 |
| Grossmont-Cuyamaca Community College District, Election of 2002 Ser 2008 C (AGC Insd) (a)(b) | 0.00 | 08/01/30 | 775 | 242,482 |
| Huntington Beach Union High School District, Ser 2004 (AGM Insd) (a) | 5.00 | 08/01/26 | 1,280 | 1,337,510 |
| Kern County Board of Education, Refg Ser 2006 A (COP) (NATL-RE Insd) (a) | 5.00 | 06/01/31 | 1,110 | 1,111,598 |
| Kern County Water Agency Improvement District No. 4, Ser 2008 A (COP) (AGC Insd) (a) | 5.00 | 05/01/28 | 245 | 253,087 |
| La Quinta Financing Authority, Local Agency Ser 2004 A (AMBAC Insd) (a) | 5.25 | 09/01/24 | 1,100 | 1,116,082 |
| Los Angeles County Metropolitan Transportation Authority, Ser 2005 A (AMBAC Insd) (a) | 5.00 | 07/01/35 | 450 | 466,137 |
| Los Angeles County Metropolitan Transportation Authority, Ser 2006 A (AGM Insd) (a) | 4.50 | 07/01/29 | 500 | 510,535 |
| Los Angeles Department of Airports, Los Angeles International Airport Ser A | 5.00 | 05/15/35 | 250 | 255,323 |
| Los Angeles Department of Water & Power, Ser 2001 A (AGM Insd) (a) | 5.25 | 07/01/21 | 1,000 | 1,039,460 |
| Los Angeles Municipal Improvement Corp., Police Headquarters Ser 2006 A (NATL-RE & FGIC Insd) (a) | 4.75 | 01/01/31 | 800 | 791,208 |
| Metropolitan Water District of Southern California, Ser 2009 B (c) | 5.00 | 07/01/27 | 1,240 | 1,368,910 |
| Moorpark Unified School District, Election of 2008 Ser 2009 A (AGC Insd) (a)(b) | 0.00 | 08/01/31 | 2,000 | 557,000 |
| Moreland School District, Ser 2014 C (AMBAC Insd) (a)(b) | 0.00 | 08/01/29 | 315 | 96,525 |
| Murrieta Valley Unified School District Public Financing Authority, Election of 2006 Ser 2008 (AGM Insd) (a)(b) | 0.00 | 09/01/31 | 1,020 | 282,642 |
| Murrieta Valley Unified School District Public Financing Authority, Election of 2006 Ser 2008 (AGM Insd) (a)(b) | 0.00 | 09/01/33 | 820 | 196,726 |
| Oakland Joint Powers Financing Authority, Oakland Administration Buildings Refg 2008 B (AGC Insd) (a) | 5.00 | 08/01/26 | 235 | 244,828 |
| | 5.00 | 06/01/29 | 1,000 | 1,017,020 |

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Oxnard Financing Authority, Redwood Trunk Sewer
& Headworks Ser 2004 A (NATL-RE & FGIC Insd)

(a)

Patterson Joint Unified School District, Election of
2008 Ser 2009 B (AGM Insd) (a)(b)

0.00 03/01/49 3,920 311,483

Planada Elementary School District, Ser 2009 B
(AGC Insd) (a)(b)

0.00 07/01/49 2,095 170,219

Poway Unified School District, School Facilities
Improvement District No. 07-1, 2008 Election Ser A
(b)

0.00 08/01/30 790 245,935

Poway Unified School District, School Facilities
Improvement District No. 07-1, 2008 Election Ser A
(b)

0.00 08/01/31 730 212,634

Rancho Mirage Redevelopment Agency, Ser 2003 A
(NATL-RE Insd) (a)

5.00 04/01/33 1,000 922,210

Rocklin Unified School District Community Facilities
District, No. 2 Ser 2007 (NATL-RE Insd) (a)(b)

0.00 09/01/34 1,235 251,174

Rocklin Unified School District Community Facilities
District, No. 2 Ser 2007 (NATL-RE Insd) (a)(b)

0.00 09/01/35 1,255 235,564

Rocklin Unified School District Community Facilities
District, No. 2 Ser 2007 (NATL-RE Insd) (a)(b)

0.00 09/01/36 1,230 214,512

Rocklin Unified School District Community Facilities
District, No. 2 Ser 2007 (NATL-RE Insd) (a)(b)

0.00 09/01/37 1,025 167,280

Roseville Joint Union High School District, Election
of 2004 Ser 2007 C (AGM Insd) (a)(b)

0.00 08/01/25 675 298,728

See accompanying notes which are an integral part of this schedule.

Invesco Insured California Municipal Securities

Schedule of Investments

July 31, 2010

(Unaudited)

| | Interest Rate | Maturity Date | Principal Amount (000) | Value |
|--|------------------|------------------|------------------------------|------------|
| Sacramento City Financing Authority, 1999 Solid Waste & Redevelopment (AMBAC Insd) (a) | 5.75% | 12/01/22 | \$ 180 | \$ 181,346 |
| Sacramento Municipal Utility District, Election Ser U (AGM Insd) (a) | 5.00 | 08/15/24 | 1,000 | 1,097,570 |
| San Diego County Water Authority, Ser 2004 A (COP) (AGM Insd) (a) | 5.00 | 05/01/29 | 700 | 724,465 |
| San Francisco City & County Airports Commission, Ser 2010 F | 5.00 | 05/01/40 | 500 | 500,535 |
| San Francisco City & County Public Utilities Commission, Water Refg Ser A 2001 (AGM Insd) (a) | 5.00 | 11/01/31 | 2,000 | 2,022,740 |
| San Jose Evergreen Community College District, Election Ser 2008 B (AGM Insd) (a)(b) | 0.00 | 09/01/32 | 1,000 | 256,960 |
| School Facilities Financing Authority, Grant Joint Union High School District Ser 2008 A (AGM Insd) (a)(b) | 0.00 | 08/01/33 | 1,870 | 437,861 |
| Simi Valley Unified School District, Election of 2004 Ser 2007 C (AGM Insd) (a)(b) | 0.00 | 08/01/28 | 480 | 159,346 |
| Simi Valley Unified School District, Election of 2004 Ser 2007 C (AGM Insd) (a)(b) | 0.00 | 08/01/30 | 380 | 107,859 |
| Southern California Public Power Authority, Transmission Refg Ser 2002 A (AGM Insd) (a) | 5.25 | 07/01/18 | 1,000 | 1,074,930 |
| Turlock Irrigation District, Ser 2010 A | 5.00 | 01/01/35 | 300 | 306,201 |
| Tustin Unified School District, No. 2002-1 Election of 2002 Ser 2008 C (AGM Insd) (a) | 5.00 | 06/01/28 | 250 | 263,395 |
| Twin Rivers Unified School District, Ser 2009 (BANs) (b) | 0.00 | 04/01/14 | 250 | 226,610 |
| University of California, Ser 2007 A (NATL-RE Insd) (a) | 4.50 | 05/15/37 | 1,000 | 931,450 |
| University of California, Ser 2007 J (AGM Insd) (a) | 4.50 | 05/15/31 | 1,000 | 1,006,780 |
| University of California, Ser 2009 O | 5.25 | 05/15/39 | 500 | 538,800 |
| University of California, Ser 2009 W (c)(g) | 5.00 | 05/15/34 | 1,435 | 1,497,437 |
| Upland Unified School District, Election 2000 Ser 2001 B (AGM Insd) (a) | 5.125 | 08/01/25 | 1,000 | 1,058,430 |
| Val Verde Unified School District, Ser 2005 B (COP) (NATL-RE & FGIC Insd) (a) | 5.00 | 01/01/30 | 675 | 625,887 |
| Washington Unified School District-Yolo County, Ser 2004 A (NATL-RE & FGIC Insd) (a) | 5.00 | 08/01/22 | 1,375 | 1,469,724 |
| West Basin Municipal Water District, Refg Ser 2008 B (COP) (AGC Insd) (a) | 5.00 | 08/01/27 | 245 | 257,270 |
| | 0.00 | 08/01/25 | 570 | 260,040 |

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| | | | | |
|---|-------|----------|-------|---------------|
| Yosemite Community College District, Election of 2004 Ser 2008 C (AGM Insd) (a)(b) | | | | |
| Yosemite Community College District, Election of 2004 Ser 2008 C (AGM Insd) (a)(c) | 5.00 | 08/01/32 | 2,515 | 2,603,855 |
| Yucaipa Valley Water District, Ser 2004 A (COP) (NATL-RE Insd) (a) | 5.25 | 09/01/24 | 1,000 | 1,016,470 |
| | | | | 51,702,709 |
| Guam 0.2% | | | | |
| Territory of Guam Section 30, Ser A | 5.625 | 12/01/29 | 95 | 97,914 |
| Puerto Rico 1.4% | | | | |
| Puerto Rico Electric Power Authority, Ser XX | 5.25 | 07/01/40 | 200 | 202,072 |
| Puerto Rico Sales Tax Financing Corp., Ser 2009 A | 5.00 | 08/01/11 | 240 | 251,472 |
| Puerto Rico Sales Tax Financing Corp., Ser 2010 C | 5.00 | 08/01/35 | 250 | 248,060 |
| | | | | 701,604 |
| Virgin Islands 1.1% | | | | |
| Virgin Islands Public Finance Authority, Matching Fund Loan Diago A | 6.625 | 10/01/29 | 240 | 270,453 |
| Virgin Islands Public Finance Authority, Ser 2010 A | 5.00 | 10/01/25 | 250 | 254,070 |
| | | | | 524,523 |
| Total Investments 107.0% (Cost \$52,164,802) | | | | 53,026,750 |
| Other Assets Less Liabilities 1.9% | | | | 947,074 |
| Floating Rate Note and Dealer Trusts Obligations Related to Securities Held (8.9)% | | | | |
| Notes with interest rates ranging from 0.16% to 0.27% at 07/31/10 and contractual maturities of collateral ranging from 04/01/26 to 05/15/34 (See Note 1E) (h) | | | | (4,415,000) |
| Net Assets 100.0% | | | | \$ 49,558,824 |

See accompanying notes which are an integral part of this schedule.

Invesco Insured California Municipal Securities

Schedule of Investments

July 31, 2010

(Unaudited)

Investment Abbreviations:

| | |
|----------------|--|
| <i>AGC</i> | <i>Assured Guaranty Corp.</i> |
| <i>AGM</i> | <i>Assured Guaranty Municipal Corp.</i> |
| <i>AMBAC</i> | <i>AMBAC Assurance Corp.</i> |
| <i>BANs</i> | <i>Bond Anticipation Notes</i> |
| <i>COP</i> | <i>Certificates of Participation</i> |
| <i>ETM</i> | <i>Escrowed to Maturity</i> |
| <i>FGIC</i> | <i>Financial Guaranty Insurance Co.</i> |
| <i>NATL-RE</i> | <i>National Public Finance Guarantee Corp.</i> |
| <i>Refg</i> | <i>Refunding</i> |
| <i>Ser</i> | <i>Series</i> |

*Notes to Schedule of
Investments:*

- (a) *Principal and/or
interest
payments are
secured by the
bond insurance
company listed.*

- (b) *Capital appreciation bond.*
- (c) *Underlying security related to inverse floater entered into by the Fund. See Note 1E.*
- (d) *Advance refunded; secured by an escrow fund of U.S. Government obligations or other highly rated collateral.*
- (e) *Demand security payable upon demand by the Fund at specified time intervals no greater than thirteen months. Interest rate is redetermined periodically. Rate shown is the rate in effect on July 31, 2010.*
- (f) *Security is considered a cash equivalent.*
- (g) *Security is subject to a shortfall agreement which may require the Trust to pay amounts to a*

counterparty in the event of significant decline in the market value of the security underlying the inverse floater.

In case of a shortfall, the maximum potential amount of payments the Trust could ultimately be required to make under the agreement is \$955,000.

However, such shortfall payment would be reduced by the proceeds from the sale of the security underlying the inverse floater.

- (h) *Floating rate note obligations related to securities held. The interest rates shown reflect the rates in effect at July 31, 2010. At July 31, 2010, the Fund's investments with a value of \$7,046,658 are held by the Dealer Trusts and serve as collateral for the \$4,415,000 in floating rate*

*note and dealer
trust obligations
outstanding at
that date.*

See accompanying notes which are an integral part of this schedule.

Invesco Insured California Municipal Securities

Notes to Quarterly Schedule of Portfolio Holdings

July 31, 2010

(Unaudited)

NOTE 1 Significant Accounting Policies

A. Security Valuations Securities, including restricted securities, are valued according to the following policy.

Securities are fair valued using an evaluated quote provided by an independent pricing service approved by the Board of Trustees. Evaluated quotes provided by the pricing service may be determined without exclusive reliance on quoted prices and may reflect appropriate factors such as institution-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, individual trading characteristics and other market data. Short-term obligations, including commercial paper, having 60 days or less to maturity are recorded at amortized cost which approximates value. Securities with a demand feature exercisable within one to seven days are valued at par. Debt securities are subject to interest rate and credit risks. In addition, all debt securities involve some risk of default with respect to interest and principal payments.

Securities for which market quotations either are not readily available or are unreliable are valued at fair value as determined in good faith by or under the supervision of the Trust's officers following procedures approved by the Board of Trustees. Some of the factors which may be considered in determining fair value are fundamental analytical data relating to the investment; the nature and duration of any restrictions on transferability or disposition; trading in similar securities by the same issuer or comparable companies; relevant political, economic or issuer specific news; and other relevant factors under the circumstances.

Valuations change in response to many factors including the historical and prospective earnings of the issuer, the value of the issuer's assets, general economic conditions, interest rates, investor perceptions and market liquidity. Because of the inherent uncertainties of valuation, the values reflected in the financial statements may materially differ from the value received upon actual sale of those investments.

B. Securities Transactions and Investment Income Securities transactions are accounted for on a trade date basis.

Realized gains or losses on sales are computed on the basis of specific identification of the securities sold.

Interest income is recorded on the accrual basis from settlement date. Dividend income is recorded on the ex-dividend date. Bond premiums and discounts are amortized and/or accreted for financial reporting purposes.

The Fund may periodically participate in litigation related to Fund investments. As such, the Fund may receive proceeds from litigation settlements. Any proceeds received are included in the Statement of Operations as realized gain/loss for investments no longer held and as unrealized gain/loss for investments still held.

Brokerage commissions and mark ups are considered transaction costs and are recorded as an increase to the cost basis of securities purchased and/or a reduction of proceeds on a sale of securities. Such transaction costs are included in the determination of realized and unrealized gain (loss) from investment securities reported in the Statement of Operations and the Statement of Changes in Net Assets and the realized and unrealized net gains (losses) on securities per share in the Financial Highlights. Transaction costs are included in the calculation of the Fund's net asset value and, accordingly, they reduce the Fund's total returns. These transaction costs are not considered operating expenses and are not reflected in net investment income reported in the Statement of Operations and Statement of Changes in Net Assets, or the net investment income per share and ratios of expenses and net investment income reported in the Financial Highlights, nor are they limited by any expense limitation arrangements between the Fund and the investment adviser.

C. Country Determination For the purposes of making investment selection decisions and presentation in the Schedule of Investments, the investment adviser may determine the country in which an issuer is located and/or credit risk exposure based on various factors. These factors include the laws of the country under which the issuer is organized, where the issuer maintains a principal office, the country in which the issuer derives 50% or more of its total revenues and the country that has the primary market for the issuer's securities, as well as other criteria. Among the other criteria that may be evaluated for making this determination are the country in which the issuer maintains 50% or more of its assets, the type of security, financial guarantees and enhancements, the nature of the collateral and the sponsor organization. Country of issuer and/or credit risk exposure has been determined to be the United States of America, unless otherwise noted.

Invesco Insured California Municipal Securities

D. Other Risks The Fund may invest up to 20% of its net assets in lower-quality debt securities, i.e., junk bonds. Investments in lower-rated securities or unrated securities of comparable quality tend to be more sensitive to economic conditions than higher rated securities. Junk bonds involve a greater risk of default by the issuer because such securities are generally unsecured and are often subordinated to other creditors' claims.

The value of, payment of interest on, repayment of principal for and the ability of the Fund to sell a municipal security may be affected by constitutional amendments, legislative enactments, executive orders, administrative regulations, voter initiatives and the economics of the regions in which the issuers in which the Fund invests are located.

Many municipal securities are issued to finance similar projects, especially those relating to education, health care, transportation and utilities, conditions in those sectors can affect the overall municipal securities market and the Fund.

There is some risk that a portion or all of the interest received from certain tax-free municipal securities could become taxable as a result of determinations by the Internal Revenue Service.

E. Floating Rate Obligations Related to Securities Held The Fund enters into transactions in which it transfers to Special Purpose Trusts established by a Broker Dealer (Dealer Trusts) fixed rate bonds in exchange for cash and residual interests in the Dealer Trusts' assets and cash flows, which are in the form of inverse floating rate investments. The Dealer Trusts fund the purchases of the fixed rate bonds by issuing floating rate notes to third parties and allowing the Fund to retain residual interest in the bonds. The Fund may enter into shortfall agreements with the Dealer Trusts which commit the Fund to pay the Dealer Trusts, in certain circumstances, the difference between the liquidation value of the fixed rate bonds held by the Dealer Trusts and the liquidation value of the floating rate notes held by third parties, as well as any shortfalls in interest cash flows. The residual interests held by the Fund (inverse floating rate investments) include the right of the Fund (1) to cause the holders of the floating rate notes to tender their notes at par at the next interest rate reset date, and (2) to transfer the municipal bond from the Dealer Trusts to the Fund, thereby collapsing the Dealer Trusts. The Fund accounts for the transfer of bonds to the Dealer Trusts as secured borrowings, with the securities transferred remaining in the Fund's investment assets, and the related floating rate notes reflected as Fund liabilities under the caption Floating rate note and dealer trust obligations on the Statement of Assets and Liabilities. The Fund records the interest income from the fixed rate bonds under the caption Interest and records the expenses related to floating rate obligations and any administrative expenses of the Dealer Trusts under the caption Interest and residual trust expenses on the Statement of Operations. The floating rate notes issued by the Dealer Trusts have interest rates that reset weekly and the floating rate note holders have the option to tender their notes to the Dealer Trusts for redemption at par at each reset date.

NOTE 2 Additional Valuation Information

Generally Accepted Accounting Principles (GAAP) defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date, under current market conditions. GAAP establishes a hierarchy that prioritizes the inputs to valuation methods giving the highest priority to readily available unadjusted quoted prices in an active market for identical assets (Level 1) and the lowest priority to significant unobservable inputs (Level 3) generally when market prices are not readily available or are unreliable. Based on the valuation inputs, the securities or other investments are tiered into one of three levels. Changes in valuation methods may result in transfers in or out of an investment's assigned level:

Level 1 Prices are determined using quoted prices in an active market for identical assets.

Level 2 Prices are determined using other significant observable inputs. Observable inputs are inputs that other market participants may use in pricing a security. These may include quoted prices for similar securities, interest rates, prepayment speeds, credit risk, yield curves, loss severities, default rates, discount rates, volatilities and others.

Level 3 Prices are determined using significant unobservable inputs. In situations where quoted prices or observable inputs are unavailable (for example, when there is little or no market activity for an investment at the end of the period), unobservable inputs may be used. Unobservable inputs reflect

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the Fund's own assumptions about the factors market participants would use in determining fair value of the securities or instruments and would be based on the best available information.

The following is a summary of the tiered valuation input levels, as of July 31, 2010. The level assigned to the securities valuations may not be an indication of the risk or liquidity associated with investing in those securities. Because of the inherent uncertainties of valuation, the values reflected in the financial statements may materially differ from the value received upon actual sale of those investments.

| | Level 1 | Level 2 | Level 3 | Total |
|-----------------------|--------------------|----------------|--------------------|--------------|
| Municipal Obligations | \$ | \$53,026,750 | \$ | \$53,026,750 |

Invesco Insured California Municipal Securities

NOTE 3 Investment Securities

Unrealized Appreciation (Depreciation) of Investment Securities on a Tax Basis

| | |
|--|--------------|
| Aggregate unrealized appreciation of investment securities | \$ 2,002,835 |
| Aggregate unrealized (depreciation) of investment securities | (1,141,201) |
| Net unrealized appreciation of investment securities | \$ 861,634 |

Cost of investments for tax purposes is \$52,165,116.

Invesco Insured California Municipal Securities

Item 2. Controls and Procedures.

- (a) As of September 16, 2010, an evaluation was performed under the supervision and with the participation of the officers of the Registrant, including the Principal Executive Officer (PEO) and Principal Financial Officer (PFO), to assess the effectiveness of the Registrant's disclosure controls and procedures, as that term is defined in Rule 30a-3(c) under the Investment Company Act of 1940 (Act), as amended. Based on that evaluation, the Registrant's officers, including the PEO and PFO, concluded that, as of , September 16, 2010, the Registrant's disclosure controls and procedures were reasonably designed so as to ensure: (1) that information required to be disclosed by the Registrant on Form N-Q is recorded, processed, summarized and reported within the time periods specified by the rules and forms of the Securities and Exchange Commission; and (2) that material information relating to the Registrant is made known to the PEO and PFO as appropriate to allow timely decisions regarding required disclosure.
- (b) There have been no changes in the Registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 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 of PEO and PFO as required by Rule 30a-2(a) under the Investment Company Act of 1940.

SIGNATURES

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.

Registrant: Invesco Insured California Municipal Securities

By: /s/ Philip A. Taylor

Philip A. Taylor
Principal Executive Officer

Date: September 29, 2010

Pursuant to the requirements of the Securities and 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/ Philip A. Taylor

Philip A. Taylor
Principal Executive Officer

Date: September 29, 2010

By: /s/ Philip A. Taylor

Sheri Morris
Principal Financial Officer

Date: September 29, 2010

EXHIBIT INDEX

Certifications of Principal Executive Officer (PEO) and Principal Financial Officer (PFO) as required by Rule 30a-2(a) under the Investment Company Act of 1940, as amended.