

Eaton Vance Tax-Managed Global Diversified Equity Income Fund

Form N-Q

March 30, 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 COMPANIES**

**811-21973**

**Investment Company Act File Number**

**Eaton Vance Tax-Managed Global  
Diversified Equity Income Fund**

(Exact Name of Registrant as Specified in Charter)

**Two International Place, Boston, Massachusetts 02110**

(Address of Principal Executive Offices)

Maureen A. Gemma

**Two International Place, Boston, Massachusetts 02110**

(Name and Address of Agent for Services)

**(617) 482-8260**

(Registrant's Telephone Number, Including Area Code)

**October 31**

Date of Fiscal Year End

**January 31, 2010**

Date of Reporting Period

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**Item 1. Schedule of Investments**

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**Table of Contents****Eaton Vance Tax-Managed Global Diversified Equity Income Fund****as of January 31, 2010****PORTFOLIO OF INVESTMENTS (Unaudited)****Common Stocks 97.9%****Security****Aerospace & Defense 0.9%**

General Dynamics Corp.

Lockheed Martin Corp.

**Shares****Value**

303,955

\$ 20,319,392

163,861

12,210,921

**\$ 32,530,313****Air Freight & Logistics 0.2%**

FedEx Corp.

97,287

\$ 7,622,436

**\$ 7,622,436****Automobiles 0.4%**

Bayerische Motoren Werke AG

376,368

\$ 16,084,309

**\$ 16,084,309****Beverages 1.8%**

Coca-Cola Co. (The)

Diageo PLC

PepsiCo, Inc.

137,778

\$ 7,474,456

2,350,832

39,513,132

319,596

19,054,314

**\$ 66,041,902****Biotechnology 0.8%**Amgen, Inc.<sup>(1)</sup>Celgene Corp.<sup>(1)</sup>

297,451

\$ 17,394,934

200,270

11,371,331

**\$ 28,766,265****Capital Markets 4.3%**

Credit Suisse Group AG

Deutsche Bank AG

Goldman Sachs Group, Inc.

Northern Trust Corp.

State Street Corp.

UBS AG<sup>(1)</sup>

1,210,828

\$ 52,376,952

294,968

17,993,385

221,575

32,952,634

269,331

13,606,602

271,930

11,660,358

2,062,352

26,831,200

**\$ 155,421,131****Chemicals 0.3%**

Monsanto Co.

164,136

\$ 12,454,640

		<b>\$ 12,454,640</b>
<b>Commercial Banks 10.3%</b>		
Banco Bilbao Vizcaya Argentaria SA	2,633,122	\$ 40,138,122
Banco Santander Central Hispano SA	4,175,310	59,627,355
Barclays PLC	4,381,398	18,726,140
BNP Paribas SA	525,188	37,517,794
HSBC Holdings PLC	9,071,365	97,114,065
Intesa Sanpaolo SpA <sup>(1)</sup>	6,045,235	23,011,993
Itau Unibanco Holding SA ADR	2,099,663	40,229,543
PNC Financial Services Group, Inc.	299,849	16,620,630
U.S. Bancorp	441,934	11,083,705
Wells Fargo & Co.	975,008	27,719,477
		<b>\$ 371,788,824</b>
<b>Commercial Services &amp; Supplies 0.5%</b>		
Waste Management, Inc.	549,914	\$ 17,624,744
		<b>\$ 17,624,744</b>
<b>Communications Equipment 2.1%</b>		
Cisco Systems, Inc. <sup>(1)</sup>	1,268,849	\$ 28,511,037
Nokia Oyj ADR	1,460,446	19,993,506

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	<b>Shares</b>	<b>Value</b>
<b>Security</b>		
QUALCOMM, Inc.	258,523	\$ 10,131,516
Telefonaktiebolaget LM Ericsson, Class B	1,947,639	18,874,387
		<b>\$ 77,510,446</b>
<b>Computers &amp; Peripherals 2.4%</b>		
Apple, Inc. <sup>(1)</sup>	187,338	\$ 35,991,376
Hewlett-Packard Co.	459,694	21,637,797
International Business Machines Corp.	240,344	29,415,702
		<b>\$ 87,044,875</b>
<b>Consumer Finance 0.3%</b>		
American Express Co.	321,494	\$ 12,107,464
		<b>\$ 12,107,464</b>
<b>Diversified Financial Services 1.3%</b>		
Bank of America Corp.	552,994	\$ 8,394,449
JPMorgan Chase & Co.	961,289	37,432,594
		<b>\$ 45,827,043</b>
<b>Diversified Telecommunication Services 2.3%</b>		
AT&T, Inc.	711,910	\$ 18,054,038
France Telecom SA	986,946	22,627,843
Koninklijke KPN NV	1,624,605	26,901,008
Verizon Communications, Inc.	548,664	16,141,695
		<b>\$ 83,724,584</b>
<b>Electric Utilities 2.5%</b>		
American Electric Power Co., Inc.	347,864	\$ 12,053,488
E.ON AG	1,160,448	42,689,881
FirstEnergy Corp.	234,552	10,231,158
Iberdrola SA	2,894,551	24,643,858
		<b>\$ 89,618,385</b>
<b>Electrical Equipment 1.7%</b>		
ABB, Ltd. <sup>(1)</sup>	1,805,429	\$ 32,685,145
Emerson Electric Co.	511,709	21,256,392
Vestas Wind Systems A/S <sup>(1)</sup>	156,023	8,206,567
		<b>\$ 62,148,104</b>
<b>Electronic Equipment, Instruments &amp; Components 0.5%</b>		

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Corning, Inc.	997,947	\$ 18,042,882
		<b>\$ 18,042,882</b>
<b>Energy Equipment &amp; Services 0.7%</b>		
Diamond Offshore Drilling, Inc.	106,056	\$ 9,707,306
Schlumberger, Ltd.	222,046	14,091,039
		<b>\$ 23,798,345</b>
<b>Food &amp; Staples Retailing 2.4%</b>		
Carrefour SA	488,254	\$ 23,821,552
CVS Caremark Corp.	308,214	9,976,887
Tesco PLC	3,897,124	26,375,075
Wal-Mart Stores, Inc.	513,603	27,441,808
		<b>\$ 87,615,322</b>
<b>Food Products 5.7%</b>		
Danone	328,022	\$ 18,757,274
Kellogg Co.	142,438	7,751,476
Nestle SA	2,650,890	125,656,765
Unilever NV	1,778,137	54,446,620
		<b>\$ 206,612,135</b>
<b>Health Care Equipment &amp; Supplies 1.5%</b>		
Baxter International, Inc.	250,325	\$ 14,416,217
Boston Scientific Corp. <sup>(1)</sup>	1,288,616	11,120,756



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<b>Security</b>	<b>Shares</b>	<b>Value</b>
Covidien PLC	371,721	\$ 18,794,214
Zimmer Holdings, Inc. <sup>(1)</sup>	177,527	9,998,320
		<b>\$ 54,329,507</b>
<b>Health Care Providers &amp; Services 0.5%</b>		
AmerisourceBergen Corp.	368,733	\$ 10,051,662
Fresenius Medical Care AG & Co. KGaA ADR	191,285	9,686,672
		<b>\$ 19,738,334</b>
<b>Hotels, Restaurants &amp; Leisure 0.8%</b>		
Carnival Corp. <sup>(1)</sup>	249,324	\$ 8,309,969
McDonald's Corp.	329,616	20,577,927
		<b>\$ 28,887,896</b>
<b>Household Products 2.1%</b>		
Colgate-Palmolive Co.	352,709	\$ 28,227,301
Procter & Gamble Co.	562,470	34,620,029
Reckitt Benckiser Group PLC	284,748	14,761,277
		<b>\$ 77,608,607</b>
<b>Industrial Conglomerates 3.2%</b>		
General Electric Co.	1,939,267	\$ 31,183,413
Philips Electronics NV	1,084,049	32,736,237
Siemens AG	579,293	51,654,082
		<b>\$ 115,573,732</b>
<b>Insurance 2.7%</b>		
Allianz SE	232,013	\$ 25,689,789
Lincoln National Corp.	402,666	9,897,530
MetLife, Inc.	442,603	15,632,738
Prudential Financial, Inc.	328,505	16,421,965
Prudential PLC	3,327,115	30,472,125
		<b>\$ 98,114,147</b>
<b>Internet &amp; Catalog Retail 0.5%</b>		
Amazon.com, Inc. <sup>(1)</sup>	145,895	\$ 18,296,692
		<b>\$ 18,296,692</b>
<b>Internet Software &amp; Services 0.9%</b>		
Google, Inc., Class A <sup>(1)</sup>	59,403	\$ 31,449,136

		<b>\$ 31,449,136</b>
<b>IT Services 0.7%</b>		
MasterCard, Inc., Class A	58,390	\$ 14,591,661
Western Union Co.	571,459	10,594,850
		<b>\$ 25,186,511</b>
<b>Machinery 1.4%</b>		
Danaher Corp.	320,553	\$ 22,871,457
Deere & Co.	237,510	11,863,624
Illinois Tool Works, Inc.	193,725	8,444,473
PACCAR, Inc.	192,695	6,942,801
		<b>\$ 50,122,355</b>
<b>Media 0.3%</b>		
Walt Disney Co. (The)	356,250	\$ 10,527,187
		<b>\$ 10,527,187</b>
<b>Metals &amp; Mining 4.3%</b>		
ArcelorMittal	331,565	\$ 12,835,807
BHP Billiton, Ltd. ADR	890,910	61,802,427
Freeport-McMoRan Copper & Gold, Inc.	101,895	6,795,378

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	<b>Shares</b>	<b>Value</b>
<b>Security</b>		
Goldcorp, Inc.	1,961,074	\$ 66,598,073
United States Steel Corp.	132,945	5,906,746
		<b>\$ 153,938,431</b>
<b>Multi-Utilities 2.5%</b>		
GDF Suez	1,272,732	\$ 48,123,496
Public Service Enterprise Group, Inc.	518,906	15,873,335
RWE AG	309,441	27,453,577
		<b>\$ 91,450,408</b>
<b>Multiline Retail 0.4%</b>		
Target Corp.	283,168	\$ 14,518,023
		<b>\$ 14,518,023</b>
<b>Oil, Gas &amp; Consumable Fuels 13.0%</b>		
Anadarko Petroleum Corp.	585,362	\$ 37,334,388
Apache Corp.	109,215	10,787,166
BP PLC	11,219,346	104,676,958
Chevron Corp.	442,675	31,925,721
ENI SpA	3,177,174	73,841,731
Exxon Mobil Corp.	282,069	18,173,706
Hess Corp.	392,440	22,679,108
Occidental Petroleum Corp.	356,961	27,964,325
Royal Dutch Shell PLC, Class B	2,291,887	60,967,346
Total SA	1,408,657	81,410,947
		<b>\$ 469,761,396</b>
<b>Personal Products 0.2%</b>		
Avon Products, Inc.	227,572	\$ 6,859,020
		<b>\$ 6,859,020</b>
<b>Pharmaceuticals 9.8%</b>		
Abbott Laboratories	590,890	\$ 31,281,717
AstraZeneca PLC	665,477	30,889,071
Bristol-Myers Squibb Co.	610,529	14,872,486
GlaxoSmithKline PLC	3,024,642	58,865,773
Johnson & Johnson	221,635	13,931,976
Merck & Co., Inc.	697,963	26,648,227
Novartis AG	1,638,910	87,706,092
Pfizer, Inc.	1,326,670	24,755,662
Sanofi-Aventis	644,489	47,656,303
Teva Pharmaceutical Industries, Ltd. ADR	318,079	18,041,441

		<b>\$ 354,648,748</b>
<b>Real Estate Investment Trusts (REITs) 0.6%</b>		
AvalonBay Communities, Inc.	137,875	\$ 10,562,603
Boston Properties, Inc.	175,171	11,363,343
		<b>\$ 21,925,946</b>
<b>Road &amp; Rail 0.4%</b>		
CSX Corp.	323,485	\$ 13,864,567
		<b>\$ 13,864,567</b>
<b>Semiconductors &amp; Semiconductor Equipment 1.2%</b>		
ASML Holding NV ADR	599,831	\$ 18,744,719
Intel Corp.	590,272	11,451,277
NVIDIA Corp. <sup>(1)</sup>	942,432	14,504,028
		<b>\$ 44,700,024</b>

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	<b>Shares</b>		<b>Value</b>
<b>Security Software 2.1%</b>			
Microsoft Corp.	1,380,441	\$	38,900,827
Oracle Corp.	1,036,532		23,902,428
SAP AG	306,172		13,984,814
		<b>\$</b>	<b>76,788,069</b>
<b>Specialty Retail 2.8%</b>			
Best Buy Co., Inc.	629,772	\$	23,081,144
Gap, Inc. (The)	429,067		8,186,599
Hennes & Mauritz AB	310,367		18,264,373
Home Depot, Inc.	847,834		23,747,830
Staples, Inc.	649,346		15,233,657
TJX Companies, Inc. (The)	290,365		11,036,774
		<b>\$</b>	<b>99,550,377</b>
<b>Textiles, Apparel &amp; Luxury Goods 1.3%</b>			
LVMH Moet Hennessy Louis Vuitton SA	296,996	\$	32,359,182
NIKE, Inc., Class B	250,971		15,999,401
		<b>\$</b>	<b>48,358,583</b>
<b>Tobacco 0.8%</b>			
British American Tobacco PLC	475,533	\$	15,718,681
Philip Morris International, Inc.	261,544		11,902,867
		<b>\$</b>	<b>27,621,548</b>
<b>Wireless Telecommunication Services 2.5%</b>			
American Tower Corp., Class A <sup>(1)</sup>	191,051	\$	8,110,115
Rogers Communications, Inc., Class B	660,201		20,637,883
Vodafone Group PLC	29,346,067		62,695,222
		<b>\$</b>	<b>91,443,220</b>
<b>Total Common Stocks (identified cost \$3,659,080,853)</b>			<b>\$ 3,547,646,613</b>
<b>Convertible Preferred Stocks 0.2%</b>			
<b>Security Diversified Financial Services 0.2%</b>			
Bank of America Corp., 10.00% <sup>(2)</sup>	502,554	\$	7,588,566

**Total Convertible Preferred Stocks**  
**(identified cost \$7,538,310)** **\$ 7,588,566**

**Short-Term Investments 1.3%**

<b>Description</b>	<b>Interest (000 s omitted)</b>	<b>Value</b>
Cash Management Portfolio, 0.00% <sup>(3)</sup>	\$ 24,297	\$ 24,297,086
Eaton Vance Cash Reserves Fund, LLC, 0.11% <sup>(3)</sup>	21,118	21,117,658

**Total Short-Term Investments**  
**(identified cost \$45,414,744)** **\$ 45,414,744**

**Total Investments 99.4%**  
**(identified cost \$3,712,033,907)** **\$ 3,600,649,923**

**Table of Contents****Call Options Written (0.1)%**

<b>Description</b>	<b>Number of Contracts</b>	<b>Strike Price</b>	<b>Expiration Date</b>	<b>Value</b>
Dow Jones Euro Stoxx 50 Index	119,520	EUR 3,000	2/19/10	\$ (679,429)
FTSE 100 Index	18,000	GBP 5,600	2/19/10	(71,933)
FTSE 100 Index	18,500	GBP 5,550	2/19/10	(133,075)
S&P 500 Index	6,162	\$ 1,140	2/20/10	(862,680)
S&P 500 Index	2,228	\$ 1,135	2/20/10	(389,900)
SMI Index	4,700	CHF 6,650	2/19/10	(134,260)
SMI Index	13,000	CHF 6,550	2/19/10	(732,912)
<b>Total Call Options Written (identified cost \$(37,772,105))</b>				<b>\$ (3,004,189)</b>
<b>Other Assets, Less Liabilities 0.7%</b>				<b>\$ 25,526,839</b>
<b>Net Assets 100.0%</b>				<b>\$ 3,623,172,573</b>

The percentage shown for each investment category in the Portfolio of Investments is based on net assets.

ADR - American Depositary Receipt

CHF - Swiss Franc

EUR - Euro

GBP - British Pound Sterling

(1) Non-income producing security.

(2) Variable rate security. The stated interest rate represents the rate in effect at January 31, 2010.

(3) Affiliated investment company available to Eaton Vance portfolios and funds which invests in high quality, U.S. dollar denominated money market instruments. The rate shown is the annualized seven-day yield as of January 31, 2010. Net income allocated from the investment in Cash Management Portfolio and Eaton Vance Cash Reserves Fund, LLC for the fiscal year to date ended January 31, 2010 was \$0 and \$217, respectively.

**Table of Contents****Country Concentration of Portfolio**

<b>Country</b>	<b>Percentage of Net Assets</b>	<b>Value</b>
United States	41.8%	\$ 1,516,337,132
United Kingdom	15.5	560,774,865
Switzerland	9.0	325,256,154
France	8.6	312,274,391
Germany	5.7	205,236,509
Netherlands	4.1	146,919,623
Spain	3.4	124,409,335
Italy	2.7	96,853,724
Canada	2.4	87,235,956
Australia	1.7	61,802,427
Brazil	1.1	40,229,543
Sweden	1.0	37,138,760
Finland	0.6	19,993,506
Ireland	0.5	18,794,214
Israel	0.5	18,041,441
Luxembourg	0.4	12,835,807
Panama	0.2	8,309,969
Denmark	0.2	8,206,567
<b>Total Investments</b>	<b>99.4%</b>	<b>\$ 3,600,649,923</b>

The cost and unrealized appreciation (depreciation) of investments of the Fund at January 31, 2010, as determined on a federal income tax basis, were as follows:

<b>Aggregate cost</b>	<b>\$ 3,712,620,002</b>
Gross unrealized appreciation	\$ 317,577,588
Gross unrealized depreciation	(429,547,667)
<b>Net unrealized depreciation</b>	<b>\$ (111,970,079)</b>

Written call options activity for the fiscal year to date ended January 31, 2010 was as follows:

	<b>Number of Contracts</b>	<b>Premiums Received</b>
Outstanding, beginning of period	120,589	\$ 42,754,859
Options written	472,147	105,230,466
Options terminated in closing purchase transactions	(339,647)	(92,481,802)
Options expired	(70,979)	(17,731,418)



**Outstanding, end of period** **182,110**    **\$ 37,772,105**

All of the assets of the Fund are subject to segregation to satisfy the requirements of the escrow agent. At January 31, 2010, the Fund had sufficient cash and/or securities to cover commitments under these contracts.

The Fund is subject to equity price risk in the normal course of pursuing its investment objectives. The Fund generally intends to write index call options above the current value of the index to generate premium income. In writing index call options, the Fund in effect, sells potential appreciation in the value of the applicable index above the exercise price in exchange for the option premium received. The Fund retains the risk of loss, minus the premium received, should the price of the underlying index decline.

At January 31, 2010, the aggregate fair value of derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) in a liability position and whose primary underlying risk exposure is equity price risk was \$3,004,189.

Under generally accepted accounting principles for fair value measurements, a three-tier hierarchy to prioritize the assumptions, referred to as inputs, is used in valuation techniques to measure fair value. The three-tier hierarchy of inputs is summarized in the three broad levels listed below.

Level 1    quoted prices in active markets for identical investments

Level 2    other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)

Level 3    significant unobservable inputs (including a fund's own assumptions in determining the fair value of investments)

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The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

At January 31, 2010, the inputs used in valuing the Fund's investments, which are carried at value, were as follows:

Asset Description	Quoted Prices in Active Markets for Identical Assets			Significant Other Observable Inputs	Significant Unobservable Inputs	Total
	(Level 1)	(Level 2)	(Level 3)			
Common Stocks						
Consumer Discretionary	\$ 169,515,203	\$ 66,707,864	\$	\$	\$ 236,223,067	
Consumer Staples	153,308,158	319,050,376			472,358,534	
Energy	172,662,759	320,896,982			493,559,741	
Financials	362,144,191	343,040,365			705,184,556	
Health Care	232,365,616	225,117,238			457,482,854	
Industrials	174,204,221	125,282,030			299,486,251	
Information Technology	327,862,743	32,859,200			360,721,943	
Materials	153,557,263	12,835,807			166,393,070	
Telecommunication Services	62,943,731	112,224,073			175,167,804	
Utilities	38,157,980	142,910,813			181,068,793	
<b>Total Common Stocks</b>	<b>\$ 1,846,721,865</b>	<b>\$ 1,700,924,748*</b>	<b>\$</b>	<b>\$</b>	<b>\$ 3,547,646,613</b>	
Convertible Preferred Stocks	\$ 7,588,566	\$	\$	\$	7,588,566	
Short-Term Investments	24,297,086	21,117,658			45,414,744	
<b>Total Investments</b>	<b>\$ 1,878,607,517</b>	<b>\$ 1,722,042,406</b>	<b>\$</b>	<b>\$</b>	<b>\$ 3,600,649,923</b>	
<b>Liability Description</b>						
Call Options Written	\$ (3,004,189)	\$	\$	\$	(3,004,189)	
<b>Total</b>	<b>\$ (3,004,189)</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>(3,004,189)</b>	

\* Includes foreign equity securities whose values were adjusted to reflect market trading that occurred after the close of trading in their applicable foreign markets.

The Fund held no investments or other financial instruments as of October 31, 2009 whose fair value was determined using Level 3 inputs.

For information on the Fund's policy regarding the valuation of investments and other significant accounting policies, please refer to the Fund's most recent financial statements included in its semiannual or annual report to shareholders.

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**Item 2. Controls and Procedures**

(a) It is the conclusion of the registrant's principal executive officer and principal financial officer that the effectiveness of the registrant's current disclosure controls and procedures (such disclosure controls and procedures having been evaluated within 90 days of the date of this filing) provide reasonable assurance that the information required to be disclosed by the registrant on this Form N-Q has been recorded, processed, summarized and reported within the time period specified in the Commission's rules and forms and that the information required to be disclosed by the registrant on this Form N-Q has been accumulated and communicated to the registrant's principal executive officer and principal financial officer in order to allow timely decisions regarding required disclosure.

(b) There have been no changes in the registrant's internal controls over financial reporting during the fiscal quarter for which the report is being filed that have materially affected, or are reasonably likely to materially affect the registrant's internal control over financial reporting.

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**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.

**Eaton Vance Tax-Managed Global Diversified Equity Income Fund**

By: /s/ Duncan W. Richardson

Duncan W. Richardson  
President

Date: March 24, 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/ Duncan W. Richardson

Duncan W. Richardson  
President

Date: March 24, 2010

By: /s/ Barbara E. Campbell

Barbara E. Campbell  
Treasurer

Date: March 24, 2010