

Eaton Vance Tax-Managed Diversified Equity Income Fund  
Form N-Q  
September 29, 2010

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**Form N-Q**  
**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED**  
**MANAGEMENT INVESTMENT COMPANIES**  
**811-21832**

**Investment Company Act File Number**  
**Eaton Vance Tax-Managed 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

July 31, 2010

Date of Reporting Period

**Item 1. Schedule of Investments**

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

as of July 31, 2010

**PORTFOLIO OF INVESTMENTS (Unaudited)****Common Stocks 100.0%**

<b>Security</b>	<b>Shares</b>	<b>Value</b>
<b>Aerospace &amp; Defense 1.4%</b>		
General Dynamics Corp.	242,575	\$ 14,857,718
Lockheed Martin Corp.	136,645	10,268,872
		<b>\$ 25,126,590</b>
<b>Air Freight &amp; Logistics 0.6%</b>		
FedEx Corp.	127,742	\$ 10,545,102
		<b>\$ 10,545,102</b>
<b>Automobiles 0.3%</b>		
Bayerische Motoren Werke AG	92,419	\$ 4,974,524
		<b>\$ 4,974,524</b>
<b>Beverages 3.0%</b>		
Coca-Cola Co. (The)	287,455	\$ 15,841,645
Diageo PLC	368,543	6,395,842
PepsiCo, Inc.	490,885	31,863,345
		<b>\$ 54,100,832</b>
<b>Biotechnology 1.0%</b>		
Amgen, Inc. <sup>(1)</sup>	225,332	\$ 12,287,354
Celgene Corp. <sup>(1)</sup>	110,323	6,084,313
		<b>\$ 18,371,667</b>
<b>Capital Markets 3.5%</b>		
Credit Suisse Group AG	107,005	\$ 4,850,259
Deutsche Bank AG	121,820	8,506,224
Goldman Sachs Group, Inc.	146,549	22,102,520
Northern Trust Corp.	217,208	10,206,604
State Street Corp.	286,832	11,163,502
UBS AG <sup>(1)</sup>	368,882	6,261,835
		<b>\$ 63,090,944</b>
<b>Commercial Banks 5.9%</b>		
Banco Santander Central Hispano SA	832,171	\$ 10,810,824

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Barclays PLC	776,219	4,020,264
BNP Paribas	65,613	4,485,145
DnB NOR ASA	518,197	6,412,273
HSBC Holdings PLC	1,585,095	16,119,200
Intesa Sanpaolo SpA	1,070,988	3,534,840
Itau Unibanco Holding SA ADR	549,799	12,310,000
KeyCorp	846,871	7,164,529
PNC Financial Services Group, Inc.	201,517	11,968,095
U.S. Bancorp	379,185	9,062,521
Wells Fargo & Co.	775,220	21,496,851
		<b>\$ 107,384,542</b>

**Commercial Services & Supplies 0.9%**

Waste Management, Inc.	457,498	\$ 15,532,057
		<b>\$ 15,532,057</b>

**Communications Equipment 2.6%**

Cisco Systems, Inc. <sup>(1)</sup>	1,322,275	\$ 30,504,884
Nokia Oyj ADR	285,578	2,715,847
QUALCOMM, Inc.	269,409	10,259,095
Telefonaktiebolaget LM Ericsson, Class B	377,635	4,166,885
		<b>\$ 47,646,711</b>

	<b>Shares</b>	<b>Value</b>
<b>Security</b>		
<b>Computers &amp; Peripherals 5.8%</b>		
Apple, Inc. <sup>(1)</sup>	198,910	\$ 51,169,598
Hewlett-Packard Co.	479,050	22,055,462
International Business Machines Corp.	250,463	32,159,449
		<b>\$ 105,384,509</b>
<b>Consumer Finance 0.6%</b>		
American Express Co.	251,154	\$ 11,211,515
		<b>\$ 11,211,515</b>
<b>Diversified Financial Services 3.5%</b>		
Bank of America Corp.	1,292,177	\$ 18,142,165
Citigroup, Inc. <sup>(1)</sup>	1,674,600	6,865,860
JPMorgan Chase & Co.	949,694	38,253,674
		<b>\$ 63,261,699</b>
<b>Diversified Telecommunication Services 1.9%</b>		
AT&T, Inc.	781,555	\$ 20,273,537
Frontier Communications Corp.	110,963	847,757
Verizon Communications, Inc.	462,272	13,433,624
		<b>\$ 34,554,918</b>
<b>Electric Utilities 1.8%</b>		
American Electric Power Co., Inc.	373,824	\$ 13,450,187
E.ON AG	537,135	16,065,779
Iberdrola SA	512,650	3,607,225
		<b>\$ 33,123,191</b>
<b>Electrical Equipment 1.4%</b>		
ABB, Ltd. <sup>(1)</sup>	266,125	\$ 5,371,940
Emerson Electric Co.	400,147	19,823,283
		<b>\$ 25,195,223</b>
<b>Electronic Equipment, Instruments &amp; Components 1.0%</b>		
Corning, Inc.	1,039,966	\$ 18,844,184
		<b>\$ 18,844,184</b>
<b>Energy Equipment &amp; Services 1.4%</b>		
Halliburton Co.	403,543	\$ 12,057,865
Schlumberger, Ltd.	234,891	14,013,597

		<b>\$ 26,071,462</b>
<b>Food &amp; Staples Retailing</b>	<b>2.4%</b>	
Carrefour SA	85,450	\$ 3,928,553
CVS Caremark Corp.	347,693	10,670,698
Tesco PLC	629,574	3,860,773
Wal-Mart Stores, Inc.	493,478	25,261,139
		<b>\$ 43,721,163</b>
<b>Food Products</b>	<b>2.9%</b>	
Danone	63,455	\$ 3,556,967
Kellogg Co.	148,435	7,429,172
Nestle SA	691,185	34,163,165
Unilever NV	237,257	6,978,316
		<b>\$ 52,127,620</b>
<b>Health Care Equipment &amp; Supplies</b>	<b>1.5%</b>	
Covidien PLC	381,920	\$ 14,253,255
Varian Medical Systems, Inc. <sup>(1)</sup>	90,362	4,987,982
Zimmer Holdings, Inc. <sup>(1)</sup>	148,585	7,873,519
		<b>\$ 27,114,756</b>

	<b>Shares</b>	<b>Value</b>
<b>Security</b>		
<b>Health Care Providers &amp; Services 1.6%</b>		
AmerisourceBergen Corp.	390,007	\$ 11,688,510
Cardinal Health, Inc.	166,519	5,373,568
Fresenius Medical Care AG & Co. KGaA ADR	227,329	12,430,350
		<b>\$ 29,492,428</b>
<b>Hotels, Restaurants &amp; Leisure 1.7%</b>		
Carnival Corp.	261,820	\$ 9,079,918
McDonald's Corp.	301,347	21,012,926
		<b>\$ 30,092,844</b>
<b>Household Products 2.8%</b>		
Colgate-Palmolive Co.	383,597	\$ 30,296,491
Procter & Gamble Co.	270,006	16,513,567
Reckitt Benckiser Group PLC	96,161	4,714,880
		<b>\$ 51,524,938</b>
<b>Industrial Conglomerates 3.0%</b>		
General Electric Co.	2,397,867	\$ 38,653,616
Philips Electronics NV	175,039	5,441,428
Siemens AG	104,342	10,206,768
		<b>\$ 54,301,812</b>
<b>Insurance 3.3%</b>		
Allianz SE	35,639	\$ 4,138,749
Berkshire Hathaway, Inc., Class B <sup>(1)</sup>	102,062	7,973,083
Lincoln National Corp.	341,755	8,899,300
MetLife, Inc.	294,880	12,402,653
Prudential Financial, Inc.	235,505	13,492,082
Prudential PLC	698,928	6,082,322
Zurich Financial Services AG	24,762	5,778,881
		<b>\$ 58,767,070</b>
<b>Internet &amp; Catalog Retail 1.1%</b>		
Amazon.com, Inc. <sup>(1)</sup>	166,748	\$ 19,657,922
		<b>\$ 19,657,922</b>
<b>Internet Software &amp; Services 1.3%</b>		
Google, Inc., Class A <sup>(1)</sup>	49,420	\$ 23,961,287
		<b>\$ 23,961,287</b>

**IT Services 0.9%**

MasterCard, Inc., Class A	76,889	\$ 16,149,766
		<b>\$ 16,149,766</b>

**Machinery 2.9%**

Danaher Corp.	477,986	\$ 18,359,442
Deere & Co.	207,679	13,848,036
Illinois Tool Works, Inc.	219,700	9,556,950
PACCAR, Inc.	225,909	10,351,150
		<b>\$ 52,115,578</b>

**Media 0.9%**

Comcast Corp., Class A	393,723	\$ 7,665,787
Walt Disney Co. (The)	264,628	8,915,317
		<b>\$ 16,581,104</b>

**Metals & Mining 3.3%**

ArcelorMittal	79,303	\$ 2,427,841
BHP Billiton, Ltd. ADR	290,376	20,973,859
Freeport-McMoRan Copper & Gold, Inc.	55,108	3,942,426
Goldcorp, Inc.	725,492	28,395,757
United States Steel Corp.	104,335	4,625,171
		<b>\$ 60,365,054</b>

	<b>Shares</b>	<b>Value</b>
<b>Security</b>		
<b>Multi-Utilities 2.5%</b>		
PG&E Corp.	306,831	\$ 13,623,297
Public Service Enterprise Group, Inc.	569,097	18,723,291
RWE AG	61,746	4,361,025
Sempra Energy	161,321	8,025,720
		<b>\$ 44,733,333</b>
<b>Multiline Retail 0.4%</b>		
Target Corp.	150,078	\$ 7,702,003
		<b>\$ 7,702,003</b>
<b>Office Electronics 0.4%</b>		
Xerox Corp.	652,385	\$ 6,354,230
		<b>\$ 6,354,230</b>
<b>Oil, Gas &amp; Consumable Fuels 9.5%</b>		
Apache Corp.	194,613	\$ 18,601,110
Chevron Corp.	263,957	20,116,163
ConocoPhillips	226,745	12,520,859
ENI SpA	556,388	11,369,665
Exxon Mobil Corp.	359,407	21,449,410
Hess Corp.	338,213	18,124,835
Occidental Petroleum Corp.	199,235	15,526,384
Peabody Energy Corp.	211,458	9,547,329
Royal Dutch Shell PLC, Class B	654,993	17,304,438
Southwestern Energy Co. <sup>(1)</sup>	340,061	12,395,223
Statoil ASA	326,129	6,596,040
Total SA	165,960	8,377,915
		<b>\$ 171,929,371</b>
<b>Pharmaceuticals 8.1%</b>		
Abbott Laboratories	385,475	\$ 18,919,113
AstraZeneca PLC	131,580	6,597,408
Bayer AG	61,676	3,550,255
Bristol-Myers Squibb Co.	592,160	14,756,627
GlaxoSmithKline PLC	576,389	10,063,535
Johnson & Johnson	408,804	23,747,425
Merck & Co., Inc.	638,018	21,986,100
Novartis AG	196,909	9,572,369
Pfizer, Inc.	1,156,656	17,349,840
Sanofi-Aventis	170,845	9,931,643
Teva Pharmaceutical Industries, Ltd. ADR <sup>(1)</sup>	200,109	9,775,325

**\$ 146,249,640**

**Real Estate Investment Trusts (REITs) 0.9%**

AvalonBay Communities, Inc.	74,082	\$ 7,785,277
Boston Properties, Inc.	94,121	7,708,510

**\$ 15,493,787**

**Road & Rail 0.7%**

CSX Corp.	229,308	\$ 12,089,118
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**\$ 12,089,118**

**Semiconductors & Semiconductor Equipment 0.7%**

Intel Corp.	615,126	\$ 12,671,596
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**\$ 12,671,596**

**Software 3.1%**

Microsoft Corp.	1,350,744	\$ 34,862,703
Oracle Corp.	746,735	17,652,815
SAP AG	88,452	4,040,905

**\$ 56,556,423**

	<b>Shares</b>		<b>Value</b>
<b>Security</b>			
<b>Specialty Retail 3.6%</b>			
Best Buy Co., Inc.	458,485	\$	15,891,090
Gap, Inc. (The)	400,965		7,261,476
Hennes & Mauritz AB	225,608		7,111,644
Home Depot, Inc.	503,417		14,352,419
Staples, Inc.	612,496		12,452,044
TJX Companies, Inc. (The)	196,406		8,154,777
		<b>\$</b>	<b>65,223,450</b>
<b>Textiles, Apparel &amp; Luxury Goods 1.3%</b>			
LVMH Moet Hennessy Louis Vuitton SA	44,842	\$	5,464,405
NIKE, Inc., Class B	242,421		17,851,882
		<b>\$</b>	<b>23,316,287</b>
<b>Tobacco 1.3%</b>			
British American Tobacco PLC	120,651	\$	4,150,976
Imperial Tobacco Group PLC	129,658		3,668,886
Philip Morris International, Inc.	304,921		15,563,168
		<b>\$</b>	<b>23,383,030</b>
<b>Wireless Telecommunication Services 1.3%</b>			
American Tower Corp., Class A <sup>(1)</sup>	198,599	\$	9,183,218
Rogers Communications, Inc., Class B	146,956		5,102,312
Vodafone Group PLC	4,260,992		9,935,312
		<b>\$</b>	<b>24,220,842</b>
<b>Total Common Stocks</b>			
<b>(identified cost \$1,797,034,706)</b>			<b>\$ 1,810,316,122</b>
<b>Short-Term Investments 0.8%</b>			
		<b>Interest</b>	
<b>Description</b>		<b>(000 s omitted)</b>	<b>Value</b>
Eaton Vance Cash Reserves Fund, LLC, 0.25% <sup>(2)</sup>	\$ 14,381	\$	14,381,235
<b>Total Short-Term Investments</b>			
<b>(identified cost \$14,381,235)</b>			<b>\$ 14,381,235</b>

**Total Investments 100.8%**  
**(identified cost \$1,811,415,941)** **\$ 1,824,697,357**

**Call Options Written (1.0)%**

Description	Number of Contracts	Strike Price	Expiration Date	Value
S&P 500 Index	4,115	\$ 1,095	8/21/10	\$ (9,731,975)
S&P 500 Index	3,905	1,100	8/21/10	(8,063,825)

**Total Call Options Written**  
**(premiums received \$19,250,717)** **\$ (17,795,800)**

**Other Assets, Less Liabilities 0.2%** **\$ 3,624,315**

**Net Assets 100.0%** **\$ 1,810,525,872**

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

ADR - American Depositary Receipt

- (1) Non-income producing security.
- (2) 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 July 31, 2010. Net income allocated from the investment in Eaton Vance Cash Reserves Fund, LLC and Cash Management Portfolio, an affiliated investment company, for the fiscal year to date ended July 31, 2010 was \$25,435 and \$0, respectively.

### Country Concentration of Portfolio

Country	Percentage of Net Assets	Value
United States	76.0%	\$ 1,376,689,014
United Kingdom	5.1	92,913,836
Germany	3.8	68,274,579
Switzerland	3.6	65,998,449
France	2.0	35,744,628
Canada	1.9	33,498,069
Netherlands	1.5	26,433,341
Australia	1.2	20,973,859
Italy	0.8	14,904,505
Spain	0.8	14,418,049
Ireland	0.8	14,253,255
Norway	0.7	13,008,313
Brazil	0.7	12,310,000
Sweden	0.6	11,278,529
Israel	0.5	9,775,325
Panama	0.5	9,079,918
Finland	0.2	2,715,847
Luxembourg	0.1	2,427,841
<b>Total Investments</b>	<b>100.8%</b>	<b>\$ 1,824,697,357</b>

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

<b>Aggregate cost</b>	<b>\$ 1,811,879,132</b>
Gross unrealized appreciation	\$ 199,157,863
Gross unrealized depreciation	(186,339,638)

**Net unrealized appreciation** **\$ 12,818,225**

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

	<b>Number of Contracts</b>	<b>Premiums Received</b>
Outstanding, beginning of period	9,070	\$ 23,976,998
Options written	75,859	156,482,423
Options terminated in closing purchase transactions	(74,971)	(157,044,620)
Options expired	(1,938)	(4,164,084)
<b>Outstanding, end of period</b>	<b>8,020</b>	<b>\$ 19,250,717</b>

All of the assets of the Fund are subject to segregation to satisfy the requirements of the escrow agent. At July 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 July 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 \$17,795,800.

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)

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

At July 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	\$ 149,997,561	\$ 17,550,573	\$	\$ 167,548,134
Consumer Staples	153,439,225	71,418,358		224,857,583
Energy	154,352,775	43,648,058		198,000,833
Financials	249,019,565	70,189,992		319,209,557
Health Care	181,513,281	39,715,210		221,228,491
Industrials	173,885,344	21,020,136		194,905,480
Information Technology	279,360,916	8,207,790		287,568,706
Materials	57,937,213	2,427,841		60,365,054
Telecommunication Services	48,840,448	9,935,312		58,775,760
Utilities	53,822,495	24,034,029		77,856,524
<b>Total Common Stocks</b>	<b>\$ 1,502,168,823</b>	<b>\$ 308,147,299*</b>	<b>\$</b>	<b>\$ 1,810,316,122</b>
Short-Term Investments	\$	\$ 14,381,235	\$	\$ 14,381,235
<b>Total Investments</b>	<b>\$ 1,502,168,823</b>	<b>\$ 322,528,534</b>	<b>\$</b>	<b>\$ 1,824,697,357</b>

**Liability Description**

Call Options Written	\$	(17,795,800)	\$	\$	(17,795,800)
<b>Total</b>	<b>\$</b>	<b>(17,795,800)</b>	<b>\$</b>	<b>\$</b>	<b>(17,795,800)</b>

\* Includes foreign equity securities whose values were adjusted to reflect market trading of comparable securities or other correlated instruments 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.

**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 Diversified Equity Income Fund

By: /s/ Duncan W. Richardson

Duncan W. Richardson  
President

Date: September 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: September 24, 2010

By: /s/ Barbara E. Campbell

Barbara E. Campbell  
Treasurer

Date: September 24, 2010