

Eaton Vance Tax-Managed Buy-Write Income Fund
Form N-Q
May 30, 2018

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES**

811-21676

Investment Company Act File Number

Eaton Vance Tax-Managed Buy-Write 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)

December 31

Date of Fiscal Year End

March 31, 2018

Date of Reporting Period

Item 1. Schedule of Investments

Eaton Vance**Tax-Managed Buy-Write Income Fund**

March 31, 2018

PORTFOLIO OF INVESTMENTS (Unaudited)**Common Stocks 99.9%**

| Security | Shares | Value |
|---|---------------|----------------------|
| Aerospace & Defense 3.6% | | |
| Boeing Co. (The) ⁽¹⁾ | 17,785 | \$ 5,831,346 |
| Northrop Grumman Corp. ⁽¹⁾ | 12,027 | 4,198,866 |
| Textron, Inc. ⁽¹⁾ | 11,648 | 686,882 |
| United Technologies Corp. ⁽¹⁾ | 27,757 | 3,492,386 |
| | | \$ 14,209,480 |
| Air Freight & Logistics 0.1% | | |
| C.H. Robinson Worldwide, Inc. | 5,324 | \$ 498,912 |
| | | \$ 498,912 |
| Airlines 0.5% | | |
| Southwest Airlines Co. ⁽¹⁾ | 36,616 | \$ 2,097,365 |
| | | \$ 2,097,365 |
| Auto Components 0.4% | | |
| Goodyear Tire & Rubber Co. (The) | 3,713 | \$ 98,692 |
| Lear Corp. ⁽¹⁾ | 7,250 | 1,349,152 |
| | | \$ 1,447,844 |
| Banks 6.8% | | |
| Bank of America Corp. ⁽¹⁾ | 96,896 | \$ 2,905,911 |
| Citigroup, Inc. ⁽¹⁾ | 56,054 | 3,783,645 |
| Fifth Third Bancorp ⁽¹⁾ | 57,446 | 1,823,911 |
| JPMorgan Chase & Co. ⁽¹⁾ | 85,013 | 9,348,880 |
| KeyCorp ⁽¹⁾ | 85,122 | 1,664,135 |
| M&T Bank Corp. ⁽¹⁾ | 4,618 | 851,374 |
| PNC Financial Services Group, Inc. (The) ⁽¹⁾ | 13,046 | 1,973,077 |
| SunTrust Banks, Inc. | 5,538 | 376,806 |
| Wells Fargo & Co. ⁽¹⁾ | 86,859 | 4,552,280 |
| | | \$ 27,280,019 |

Beverages 2.4%

| | | | |
|------------------------------------|---------|----|------------------|
| Coca-Cola Co. (The) ⁽¹⁾ | 122,893 | \$ | 5,337,243 |
| PepsiCo, Inc. ⁽¹⁾ | 38,171 | | 4,166,365 |
| | | \$ | 9,503,608 |

Biotechnology 3.0%

| | | | |
|--|--------|----|-------------------|
| AbbVie, Inc. ⁽¹⁾ | 19,355 | \$ | 1,831,951 |
| Alexion Pharmaceuticals, Inc. ⁽²⁾ | 3,580 | | 399,027 |
| Amgen, Inc. ⁽¹⁾ | 18,988 | | 3,237,074 |
| Celgene Corp. ⁽¹⁾⁽²⁾ | 37,323 | | 3,329,585 |
| Gilead Sciences, Inc. ⁽¹⁾ | 38,604 | | 2,910,355 |
| Vertex Pharmaceuticals, Inc. ⁽²⁾ | 1,850 | | 301,513 |
| | | \$ | 12,009,505 |

| Security | Shares | Value |
|---|--------|---------------------|
| Capital Markets 2.2% | | |
| Invesco, Ltd. ⁽¹⁾ | 38,480 | \$ 1,231,745 |
| Lazard, Ltd., Class A ⁽¹⁾ | 9,511 | 499,898 |
| Legg Mason, Inc. | 3,441 | 139,877 |
| S&P Global, Inc. ⁽¹⁾ | 21,350 | 4,079,131 |
| State Street Corp. ⁽¹⁾ | 27,413 | 2,733,898 |
| | | \$ 8,684,549 |
| Chemicals 2.3% | | |
| AdvanSix, Inc. ⁽²⁾ | 1,530 | \$ 53,213 |
| DowDuPont, Inc. ⁽¹⁾ | 80,552 | 5,131,968 |
| Eastman Chemical Co. | 3,608 | 380,933 |
| Ingevity Corp. ⁽²⁾ | 2,787 | 205,374 |
| Sherwin-Williams Co. (The) ⁽¹⁾ | 8,618 | 3,379,290 |
| | | \$ 9,150,778 |
| Commercial Services & Supplies 0.1% | | |
| Waste Management, Inc. | 4,649 | \$ 391,074 |
| | | \$ 391,074 |
| Communications Equipment 1.1% | | |
| Cisco Systems, Inc. ⁽¹⁾ | 98,957 | \$ 4,244,266 |
| | | \$ 4,244,266 |
| Consumer Finance 1.3% | | |
| American Express Co. ⁽¹⁾ | 23,394 | \$ 2,182,193 |
| Discover Financial Services ⁽¹⁾ | 40,754 | 2,931,435 |
| | | \$ 5,113,628 |
| Containers & Packaging 0.7% | | |
| Avery Dennison Corp. ⁽¹⁾ | 15,307 | \$ 1,626,369 |
| WestRock Co. ⁽¹⁾ | 16,727 | 1,073,371 |
| | | \$ 2,699,740 |
| Distributors 0.6% | | |
| Genuine Parts Co. ⁽¹⁾ | 27,494 | \$ 2,470,061 |
| | | \$ 2,470,061 |
| Diversified Financial Services 1.2% | | |
| Berkshire Hathaway, Inc., Class B ⁽¹⁾⁽²⁾ | 24,462 | \$ 4,879,680 |

| | | | |
|--|---------|----|------------------|
| | | \$ | 4,879,680 |
| Diversified Telecommunication Services 1.7% | | | |
| AT&T, Inc. ⁽¹⁾ | 122,161 | \$ | 4,355,040 |
| CenturyLink, Inc. | 19,521 | | 320,730 |
| Verizon Communications, Inc. ⁽¹⁾ | 43,975 | | 2,102,884 |
| | | \$ | 6,778,654 |
| Electric Utilities 1.1% | | | |
| Duke Energy Corp. ⁽¹⁾ | 23,843 | \$ | 1,847,117 |
| Edison International ⁽¹⁾ | 20,090 | | 1,278,930 |
| Exelon Corp. | 5,174 | | 201,838 |
| Pinnacle West Capital Corp. | 7,168 | | 572,006 |
| Xcel Energy, Inc. ⁽¹⁾ | 12,009 | | 546,169 |
| | | \$ | 4,446,060 |

| Security | Shares | Value |
|--|--------|----------------------|
| Electrical Equipment 0.5% | | |
| Emerson Electric Co. ⁽¹⁾ | 32,303 | \$ 2,206,295 |
| | | \$ 2,206,295 |
| Energy Equipment & Services 1.0% | | |
| Halliburton Co. ⁽¹⁾ | 30,502 | \$ 1,431,764 |
| Schlumberger, Ltd. ⁽¹⁾ | 39,317 | 2,546,955 |
| | | \$ 3,978,719 |
| Equity Real Estate Investment Trusts (REITs) 1.8% | | |
| Apartment Investment & Management Co., Class A | 12,428 | \$ 506,441 |
| AvalonBay Communities, Inc. ⁽¹⁾ | 11,002 | 1,809,389 |
| Equity Residential ⁽¹⁾ | 14,774 | 910,374 |
| Host Hotels & Resorts, Inc. ⁽¹⁾ | 58,590 | 1,092,117 |
| Kimco Realty Corp. ⁽¹⁾ | 78,276 | 1,127,174 |
| ProLogis, Inc. ⁽¹⁾ | 22,296 | 1,404,425 |
| Realty Income Corp. | 4,920 | 254,512 |
| | | \$ 7,104,432 |
| Food & Staples Retailing 0.9% | | |
| Costco Wholesale Corp. | 802 | \$ 151,121 |
| CVS Health Corp. ⁽¹⁾ | 47,515 | 2,955,908 |
| Kroger Co. (The) | 10,531 | 252,112 |
| Walmart, Inc. | 1,859 | 165,395 |
| | | \$ 3,524,536 |
| Food Products 1.4% | | |
| Kellogg Co. ⁽¹⁾ | 14,423 | \$ 937,639 |
| Kraft Heinz Co. (The) ⁽¹⁾ | 8,326 | 518,627 |
| Mondelez International, Inc., Class A ⁽¹⁾ | 46,954 | 1,959,390 |
| Tyson Foods, Inc., Class A ⁽¹⁾ | 28,696 | 2,100,260 |
| | | \$ 5,515,916 |
| Health Care Equipment & Supplies 2.9% | | |
| Abbott Laboratories ⁽¹⁾ | 78,922 | \$ 4,729,006 |
| Baxter International, Inc. ⁽¹⁾ | 37,878 | 2,463,585 |
| Stryker Corp. ⁽¹⁾ | 23,912 | 3,847,919 |
| Zimmer Biomet Holdings, Inc. | 3,848 | 419,586 |
| | | \$ 11,460,096 |
| Health Care Providers & Services 2.0% | | |
| AmerisourceBergen Corp. | 2,394 | \$ 206,387 |

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| | | |
|--|--------|-----------|
| Centene Corp. ⁽¹⁾⁽²⁾ | 7,212 | 770,747 |
| Envision Healthcare Corp. ⁽²⁾ | 19,559 | 751,652 |
| UnitedHealth Group, Inc. ⁽¹⁾ | 29,540 | 6,321,560 |

\$ 8,050,346

Hotels, Restaurants & Leisure 1.8%

| | | |
|--|--------|--------------|
| Marriott International, Inc., Class A ⁽¹⁾ | 12,488 | \$ 1,698,118 |
| Marriott Vacations Worldwide Corp. | 2,064 | 274,925 |
| McDonald's Corp. ⁽¹⁾ | 25,653 | 4,011,616 |
| Wyndham Worldwide Corp. ⁽¹⁾ | 11,235 | 1,285,621 |

\$ 7,270,280

| Security | Shares | Value |
|--|--------|----------------------|
| Household Durables 0.8% | | |
| Leggett & Platt, Inc. ⁽¹⁾ | 11,383 | \$ 504,950 |
| Lennar Corp., Class A ⁽¹⁾ | 18,642 | 1,098,759 |
| Lennar Corp., Class B | 372 | 17,741 |
| Newell Brands, Inc. ⁽¹⁾ | 61,788 | 1,574,358 |
| | | \$ 3,195,808 |
| Household Products 1.2% | | |
| Clorox Co. (The) ⁽¹⁾ | 6,843 | \$ 910,872 |
| Kimberly-Clark Corp. ⁽¹⁾ | 19,850 | 2,186,080 |
| Procter & Gamble Co. (The) ⁽¹⁾ | 21,335 | 1,691,439 |
| | | \$ 4,788,391 |
| Industrial Conglomerates 2.4% | | |
| 3M Co. ⁽¹⁾ | 21,663 | \$ 4,755,462 |
| Honeywell International, Inc. ⁽¹⁾ | 32,197 | 4,652,788 |
| | | \$ 9,408,250 |
| Insurance 4.0% | | |
| Allstate Corp. (The) ⁽¹⁾ | 36,105 | \$ 3,422,754 |
| Chubb, Ltd. | 2,741 | 374,886 |
| Cincinnati Financial Corp. ⁽¹⁾ | 18,908 | 1,404,108 |
| Lincoln National Corp. ⁽¹⁾ | 39,818 | 2,909,103 |
| Marsh & McLennan Cos., Inc. ⁽¹⁾ | 44,342 | 3,662,206 |
| MetLife, Inc. | 6,849 | 314,301 |
| Principal Financial Group, Inc. ⁽¹⁾ | 29,001 | 1,766,451 |
| Prudential Financial, Inc. ⁽¹⁾ | 14,482 | 1,499,611 |
| Travelers Cos., Inc. (The) ⁽¹⁾ | 3,902 | 541,832 |
| | | \$ 15,895,252 |
| Internet & Direct Marketing Retail 3.5% | | |
| Amazon.com, Inc. ⁽¹⁾⁽²⁾ | 5,154 | \$ 7,459,590 |
| Booking Holdings, Inc. ⁽¹⁾⁽²⁾ | 1,797 | 3,738,461 |
| Netflix, Inc. ⁽¹⁾⁽²⁾ | 4,333 | 1,279,752 |
| Shutterfly, Inc. ⁽¹⁾⁽²⁾ | 19,125 | 1,553,906 |
| | | \$ 14,031,709 |
| Internet Software & Services 6.2% | | |
| Alphabet, Inc., Class A ⁽¹⁾⁽²⁾ | 7,724 | \$ 8,010,870 |
| Alphabet, Inc., Class C ⁽¹⁾⁽²⁾ | 7,534 | 7,773,506 |
| Facebook, Inc., Class A ⁽¹⁾⁽²⁾ | 35,046 | 5,600,000 |
| VeriSign, Inc. ⁽¹⁾⁽²⁾ | 27,256 | 3,231,471 |

| | | |
|---|--------|----------------------|
| | | \$ 24,615,847 |
| IT Services 3.4% | | |
| Fidelity National Information Services, Inc. ⁽¹⁾ | 26,132 | \$ 2,516,512 |
| International Business Machines Corp. ⁽¹⁾ | 22,338 | 3,427,319 |
| Mastercard, Inc., Class A ⁽¹⁾ | 33,952 | 5,947,032 |
| Visa, Inc., Class A ⁽¹⁾ | 13,804 | 1,651,235 |
| | | \$ 13,542,098 |
| Life Sciences Tools & Services 1.1% | | |
| Thermo Fisher Scientific, Inc. ⁽¹⁾ | 20,985 | \$ 4,332,563 |
| | | \$ 4,332,563 |

| Security | Shares | Value |
|--|---------|----------------------|
| Machinery 0.8% | | |
| Caterpillar, Inc. | 2,706 | \$ 398,810 |
| Dover Corp. ⁽¹⁾ | 6,336 | 622,322 |
| Snap-on, Inc. ⁽¹⁾ | 6,380 | 941,305 |
| Stanley Black & Decker, Inc. ⁽¹⁾ | 8,690 | 1,331,308 |
| | | \$ 3,293,745 |
| Media 3.0% | | |
| Comcast Corp., Class A ⁽¹⁾ | 153,659 | \$ 5,250,528 |
| Time Warner, Inc. ⁽¹⁾ | 15,261 | 1,443,385 |
| Walt Disney Co. (The) ⁽¹⁾ | 54,115 | 5,435,311 |
| | | \$ 12,129,224 |
| Metals & Mining 0.4% | | |
| Nucor Corp. ⁽¹⁾ | 25,287 | \$ 1,544,783 |
| | | \$ 1,544,783 |
| Multi-Utilities 1.9% | | |
| Centerpoint Energy, Inc. | 14,223 | \$ 389,710 |
| CMS Energy Corp. ⁽¹⁾ | 65,445 | 2,964,004 |
| Dominion Energy, Inc. | 1,997 | 134,658 |
| DTE Energy Co. ⁽¹⁾ | 10,342 | 1,079,705 |
| NiSource, Inc. ⁽¹⁾ | 49,999 | 1,195,476 |
| Public Service Enterprise Group, Inc. ⁽¹⁾ | 34,219 | 1,719,163 |
| SCANA Corp. | 5,297 | 198,902 |
| | | \$ 7,681,618 |
| Multiline Retail 0.7% | | |
| Kohl's Corp. ⁽¹⁾ | 22,868 | \$ 1,498,082 |
| Macy's, Inc. ⁽¹⁾ | 48,228 | 1,434,301 |
| | | \$ 2,932,383 |
| Oil, Gas & Consumable Fuels 4.8% | | |
| Andeavor ⁽¹⁾ | 19,643 | \$ 1,975,300 |
| Chevron Corp. ⁽¹⁾ | 51,120 | 5,829,725 |
| EOG Resources, Inc. ⁽¹⁾ | 25,247 | 2,657,752 |
| Exxon Mobil Corp. ⁽¹⁾ | 51,594 | 3,849,428 |
| Newfield Exploration Co. ⁽¹⁾⁽²⁾ | 40,729 | 994,602 |
| Phillips 66 ⁽¹⁾ | 24,334 | 2,334,117 |
| Williams Cos., Inc. (The) ⁽¹⁾ | 58,161 | 1,445,883 |
| | | \$ 19,086,807 |

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Personal Products 0.1%

| | | | |
|---|-------|----|---------|
| Estee Lauder Cos., Inc. (The), Class A ⁽¹⁾ | 3,326 | \$ | 497,969 |
|---|-------|----|---------|

| | | | |
|--|--|----|----------------|
| | | \$ | 497,969 |
|--|--|----|----------------|

Pharmaceuticals 4.6%

| | | | |
|---|--------|----|-----------|
| Bristol-Myers Squibb Co. ⁽¹⁾ | 70,886 | \$ | 4,483,540 |
|---|--------|----|-----------|

| | | | |
|----------------------------------|--------|--|-----------|
| Johnson & Johnson ⁽¹⁾ | 51,433 | | 6,591,139 |
|----------------------------------|--------|--|-----------|

| | | | |
|----------------------------------|--------|--|-----------|
| Merck & Co., Inc. ⁽¹⁾ | 77,558 | | 4,224,584 |
|----------------------------------|--------|--|-----------|

| | | | |
|-----------------------------|--------|--|-----------|
| Pfizer, Inc. ⁽¹⁾ | 90,780 | | 3,221,782 |
|-----------------------------|--------|--|-----------|

| | | | |
|--|--|----|-------------------|
| | | \$ | 18,521,045 |
|--|--|----|-------------------|

| Security | Shares | Value |
|--|---------|----------------------|
| Professional Services 0.2% | | |
| ManpowerGroup, Inc. | 1,193 | \$ 137,315 |
| Robert Half International, Inc. ⁽¹⁾ | 13,943 | 807,160 |
| | | \$ 944,475 |
| Real Estate Management & Development 0.1% | | |
| CBRE Group, Inc., Class A ⁽²⁾ | 8,158 | \$ 385,221 |
| | | \$ 385,221 |
| Road & Rail 1.3% | | |
| J.B. Hunt Transport Services, Inc. | 3,521 | \$ 412,485 |
| Kansas City Southern ⁽¹⁾ | 11,539 | 1,267,559 |
| Norfolk Southern Corp. ⁽¹⁾ | 25,424 | 3,452,071 |
| | | \$ 5,132,115 |
| Semiconductors & Semiconductor Equipment 4.2% | | |
| Analog Devices, Inc. ⁽¹⁾ | 16,160 | \$ 1,472,661 |
| Applied Materials, Inc. ⁽¹⁾ | 15,313 | 851,556 |
| Broadcom, Ltd. ⁽¹⁾ | 8,718 | 2,054,397 |
| Intel Corp. ⁽¹⁾ | 49,395 | 2,572,491 |
| NVIDIA Corp. ⁽¹⁾ | 23,097 | 5,349,034 |
| QUALCOMM, Inc. ⁽¹⁾ | 53,656 | 2,973,079 |
| Teradyne, Inc. ⁽¹⁾ | 32,470 | 1,484,204 |
| | | \$ 16,757,422 |
| Software 5.3% | | |
| Microsoft Corp. ⁽¹⁾ | 169,068 | \$ 15,430,836 |
| Oracle Corp. ⁽¹⁾ | 93,841 | 4,293,226 |
| salesforce.com, inc. ⁽²⁾ | 4,298 | 499,857 |
| Symantec Corp. | 32,387 | 837,204 |
| | | \$ 21,061,123 |
| Specialty Retail 2.0% | | |
| Advance Auto Parts, Inc. | 3,365 | \$ 398,921 |
| Home Depot, Inc. (The) ⁽¹⁾ | 35,644 | 6,353,186 |
| Tiffany & Co. ⁽¹⁾ | 14,641 | 1,429,840 |
| | | \$ 8,181,947 |
| Technology Hardware, Storage & Peripherals 4.5% | | |
| Apple, Inc. ⁽¹⁾ | 107,029 | \$ 17,957,326 |
| | | \$ 17,957,326 |

Textiles, Apparel & Luxury Goods 0.6%

| | | | |
|------------------------------------|--------|----|------------------|
| NIKE, Inc., Class B ⁽¹⁾ | 30,243 | \$ | 2,009,345 |
| Tapestry, Inc. | 6,923 | | 364,219 |
| | | \$ | 2,373,564 |

Tobacco 1.3%

| | | | |
|--|--------|----|------------------|
| Altria Group, Inc. | 3,090 | \$ | 192,569 |
| Philip Morris International, Inc. ⁽¹⁾ | 48,980 | | 4,868,612 |
| | | \$ | 5,061,181 |

Trading Companies & Distributors 0.1%

| | | | |
|-----------------------------|--------|----|----------------|
| Fastenal Co. ⁽¹⁾ | 10,080 | \$ | 550,267 |
| | | \$ | 550,267 |

| | Value |
|--|-----------------------|
| Total Common Stocks 99.9% (identified cost \$130,109,008) | \$ 398,917,976 |
| Total Written Call Options (0.3)% (premiums received \$2,702,021) | \$ (1,309,800) |
| Other Assets, Less Liabilities 0.4% | \$ 1,433,714 |
| Net Assets 100.0% | \$ 399,041,890 |

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

(1) Security (or a portion thereof) has been pledged as collateral for written options.

(2) Non-income producing security.

Written Call Options (0.3)%

Exchange-Traded Options (0.3)%

| Description | Number of Contracts | Notional Amount | Exercise Price | Expiration Date | Value |
|---------------|------------------------|--------------------|-------------------|--------------------|-----------------------|
| S&P 500 Index | 120 | \$ 31,690,440 | \$ 2,775 | 4/4/18 | \$ (2,100) |
| S&P 500 Index | 120 | 31,690,440 | 2,795 | 4/6/18 | (3,300) |
| S&P 500 Index | 120 | 31,690,440 | 2,775 | 4/11/18 | (17,700) |
| S&P 500 Index | 120 | 31,690,440 | 2,790 | 4/13/18 | (18,300) |
| S&P 500 Index | 120 | 31,690,440 | 2,765 | 4/16/18 | (41,400) |
| S&P 500 Index | 120 | 31,690,440 | 2,760 | 4/18/18 | (61,800) |
| S&P 500 Index | 120 | 31,690,440 | 2,710 | 4/20/18 | (196,200) |
| S&P 500 Index | 120 | 31,690,440 | 2,685 | 4/23/18 | (309,600) |
| S&P 500 Index | 120 | 31,690,440 | 2,700 | 4/25/18 | (261,000) |
| S&P 500 Index | 120 | 31,690,440 | 2,675 | 4/27/18 | (398,400) |
| Total | | | | | \$ (1,309,800) |

At March 31, 2018, the Fund had sufficient cash and/or securities to cover commitments under open derivative contracts.

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The Fund is subject to equity price risk in the normal course of pursuing its investment objectives. The Fund writes 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 March 31, 2018, the aggregate fair value of open 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 \$1,309,800.

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)

In cases where the inputs used to measure fair value fall in different levels of the fair value hierarchy, the level disclosed is determined based on the lowest level input that is significant to the fair value measurement in its entirety. The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

At March 31, 2018, the hierarchy of inputs used in valuing the Fund's investments and open derivative instruments, which are carried at value, were as follows:

| Asset Description | Level 1 | Level 2 | Level 3 | Total |
|------------------------------|-----------------------|----------------|----------------|-----------------------|
| Common Stocks | \$ 398,917,976* | \$ | \$ | \$ 398,917,976 |
| Total Investments | \$ 398,917,976 | \$ | \$ | \$ 398,917,976 |
| Liability Description | | | | |
| Written Call Options | \$ (1,309,800) | \$ | \$ | \$ (1,309,800) |
| Total | \$ (1,309,800) | \$ | \$ | \$ (1,309,800) |

* The level classification by major category of investments is the same as the category presentation in the Portfolio of Investments.

At March 31, 2018, there were no investments transferred between Level 1 and Level 2 during the fiscal year to date then ended.

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.

Item 3. Exhibits

A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act is attached hereto.

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 Buy-Write Income Fund

By: /s/ Edward J. Perkin
Edward J. Perkin
President

Date: May 24, 2018

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/ Edward J. Perkin
Edward J. Perkin
President

Date: May 24, 2018

By: /s/ James F. Kirchner
James F. Kirchner
Treasurer

Date: May 24, 2018