

Itô’s Lemon – Low Risk Portfolio

Quarterly Report

June 1st, 2019

**Portfolio Snapshot**

Portfolio Value

June 1st, 2019:

**$ 414,769.61 (USD)**

**$ 560,615.05 (CAD)**

Portfolio Composition

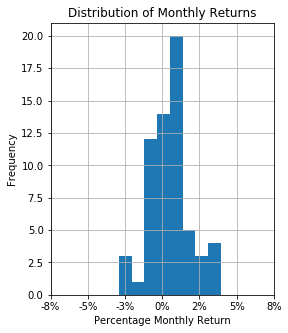
|  |  |
| --- | --- |
| Fixed Income (FI) | 16.2% |
| U.S. Equities (EQ) | 64.6% |
| Emerging Markets Equities (EM) | 9.3% |
| Real Estate (RE) | 9.7% |
| Options (OP) | 0.1% |

Portfolio Holdings

|  |  |  |
| --- | --- | --- |
| FI | ISHARES TIPS BOND ETF | 10.8% |
| ISHARES CORE U.S. AGGREGATE | 10.8% |
| ISHARES 7-10 YEAR TREASURY BO | 10.8% |
| ISHARES 20+ YEAR TREASURY BO | 10.8% |
| ISHARES 1-3 YEAR TREASURY BO | 10.8% |
| ISHARES IBOXX INVESTMENT GRADE | 10.8% |
| EQ | UTILITIES SELECT SECTOR SPDR | 1.1% |
| INDUSTRIAL SELECT SECT SPDR | 1.1% |
| ISHARES MSCI EUROZONE ETF | 1.1% |
| MATERIALS SELECT SECTOR SPDR | 1.1% |
| ISHARES GLOBAL TECH ETF | 1.1% |
| ISHARES US TELECOMMUNICATION | 1.1% |
| ISHARES EUROPE ETF | 1.1% |
| SPDR S&P 500 ETF TRUST | 1.1% |
| ISHARES MSCI EAFE ETF | 1.1% |
| FINANCIAL SELECT SECTOR SPDR | 1.1% |
| TECHNOLOGY SELECT SECT SPDR | 1.1% |
| HEALTH CARE SELECT SECTOR | 1.1% |
| CONSUMER STAPLES SPDR | 1.1% |
| ENERGY SELECT SECTOR SPDR | 1.1% |
| ISHARES MSCI JAPAN ETF | 1.1% |
| EM | ISHARES MSCI BRAZIL ETF | 3.1% |
| ISHARES MSCI CHINA INDEX ETF | 3.1% |
| ISHARES LATIN AMERICA 40 ETF | 3.1% |
| RE | ISHARES US REAL ESTATE ETF | 3.2% |
| SPDR DOW JONES REIT ETF | 3.2% |
| ISHARES COHEN & STEERS REIT | 3.2% |
| OP | OTM PUT OPTIONS ON S&P 500 | 0.1% |

**Five-Year Performance Overview**

\*all values (USD) in this section are annualized and include fees



Headline Numbers

|  |  |
| --- | --- |
| Time-Weighted Return | 4.5% |
| Money-Weighted Return | 5.1% |
| Standard Deviation | 4.8% |
| Sharpe Ratio | 0.94 |

Max Drawdown

|  |  |
| --- | --- |
| Max Drawdown | -4.9% |
| Peak Date | JUL-2016 |
| Trough Date | NOV-2016 |

**Quarter Performance Overview**

\*all returns in this section are monthly

Monthly Returns

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Month End** | **USD Value** | **CAD Value** | **ETF Return** | **Option Return** | **Trading Fees** | **Robo Fee** | **Net Return** |
| MAY-19 | $414,769.61 | $560,615.05 | 0.70% | 1.64% | 0.04% | 0.03% | 2.28% |
| APR-19 | $405,534.07 | $542,945.23 | 0.87% | -0.09% | 0.05% | 0.03% | 0.71% |
| MAR-19 | $402,688.08 | $537,548.31 | 2.01% | -0.09% | 0.03% | 0.03% | 1.87% |

ETF Return Attribution

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Month End** | **Fixed Income** | **Equities** | **Emerging Markets** | **Real Estate** | **ETF Return** |
| MAY-19 | 1.72% | -1.02% | -0.02% | 0.02% | 0.70% |
| APR-19 | -0.20% | 0.53% | 0.56% | -0.02% | 0.87% |
| MAR-19 | 1.65% | 0.22% | -0.21% | 0.35% | 2.01% |

Option Return Attribution

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Month End** | **Delta/Gamma Return** | **Vega Return** | **Theta Return** | **Other Return** | **Option Return** |
| MAY-19 | 0.84% | 0.37% | -0.09% | 0.52% | 1.64% |
| APR-19 | -0.01% | -0.02% | -0.09% | 0.03% | -0.09% |
| MAR-19 | -0.05% | -0.01% | -0.08% | 0.05% | -0.09% |

Value at Risk

**Risk Analytics**

|  |  |
| --- | --- |
| Estimated 1-month 95% VaR | 2.66% |
| Estimated 1-month 95% CVaR | 3.43% |
| Estimated 1-month Volatility | 1.93% |

|  |  |  |
| --- | --- | --- |
| **Scenario (1 Month)** | **$ Change in Portfolio Value** | **% Change in Portfolio Value** |
| GDP down 1% | - $ 3,513.08 | - 0.85% |
| Volatility Up 50% | - $ 3,111.58 | - 0.75% |
| Volatility Down 50% | $ 12,915.81 | 3.11% |
| SPY Down 10% | - $ 7,185.75 | - 1.73% |
| SPY Up 10% | $ 13,544.91 | 3.27% |
| 10Y IR Up 1% | $ 594.31 | 0.14% |

**Scenario Analysis**

**Five-Year Return Attribution**