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### BEAR MARKET and BEAR MARKET RECOVERY

The first quarter of 2016 proved to be very volatile for the equity markets. While there are several factors that contributed to the volatility, the Federal Open Market Committee (FOMC) shifting from hawkish to dovish policy is certainly a big one. A hawkish policy typically favors higher interest rates and tighter monetary controls to keep inflation in check. A dovish policy refers to an economic outlook which generally supports low interest rates as a means of encouraging growth within the economy. It was surmised by many that the FOMC would raise interest rates four times this year, but recent consensus is for perhaps only two hikes in 2016. The small- and micro-cap market started the year off with a 16.04% decline in the Russell 2000 Index and a 17.50% decline in the Russell Microcap Index through February 11, 2016. However, the markets rebounded nicely in the second half of February and March to finish down modestly. As seen in the table below, the Russell 2000 Index lost 1.52% and the Russell Microcap Index lost 5.44% for the first quarter of 2016.

#### INDEX PERFORMANCE

	TOTAL RETURN 3/31/2016	
	March 2016	2016 YTD
S&P 500 Index	6.78%	1.35%
Dow Jones Industrial Average	7.22%	2.20%
Russell 2000 Index	7.98%	-1.52%
Russell Microcap Index	7.09%	-5.44%

Past performance does not guarantee future results.

"While it may be too early to say the indexes are at bear market lows, the declines and length of bear market seem to be close to average."

As we have been saying for some time, the small- and micro-cap have been in a stealth bear market. In other words, the average stock has been in a bear market, but the indexes have not experienced a bear market. We can finally say both the Russell 2000 and the Russell Microcap Indexes hit bear market territory in the first quarter of 2016. While it may be too early to say the indexes are at bear market lows, the declines and length of the bear market seem to be close to average.



The two tables below give the bear market history for both the Russell 2000 Index and Russell Microcap Index. It should be noted that the Russell 2000 Index started on 12/29/1978 and the Russell Microcap Index started on 6/1/2005. As can be seen below, this is the 10th bear market for the Russell 2000 Index, and the average decline is a little more than 34% with the average length being 8.7 months. This is the 7th bear market for the Russell Microcap Index, and the average decline is 32% with the average length being 7.6 months. The majority of bear markets are usually associated with a recession or a "black swan" event. While it is difficult to rule out a recession or a "black swan" event in the near future, it appears unlikely to us, which gives us confidence that the worst of the decline for small- and micro-cap stocks is behind us.

### RUSSELL 2000 INDEX BEAR MARKETS

Months	Ending Day	Percent Decline
2	3/27/1980	-26.3%
14	8/12/1982	-26.2
13	7/25/1984	-24.1
2	10/28/1987	-38.9
12	10/31/1990	-32.5
5	10/08/1998	-36.5
7	10/09/2002	-44.1
20	3/9/2009	-58.9
5	10/03/2011	-29.1
7	2/11/2016	-25.7

**Average 8.7 Months** **-34.2%**

Source: Frank Russell Company

### RUSSELL MICROCAP BEAR MARKETS

Months	Ending Day	Percent Decline
20	3/9/2009	-64.3
4	8/24/2010	-22.1
6	10/13/2011	-30.5
8	2/11/2016	-28.6

**Average 7.6 Months** **-32.0%**

Source: Frank Russell Company

"...we believe that positive returns could be realized in the future if the bear market bottom is really behind us"



It may not be a surprise, but historically as the tables below indicate, the best time to put new dollars to work were at bear market lows. The two tables show the Russell 2000 Index and the Russell Microcap Index performance for 6 months, 12 months, and 3 years after the bear market low. As can be seen below, each period results in a positive return. In addition, the average gain for the Russell 2000 Index and the Russell Microcap Index are impressive after the bear market, particularly for the 12 month, and the 3 year periods. While it is not clear if the bear market did bottom on February 11, 2016, we believe that positive returns could be realized in the future if the bear market bottom is really behind us.

### **RUSSELL 2000 INDEX BEAR MARKET RECOVERY**

Bear Market Low	Total Return		
	6 Months	12 Months	3 Years
3/27/1980	51.9%	75.2%	127.1%
8/12/1982	65.7	93.9	98.1
7/25/1984	19.6	30.7	78.7
10/28/1987	36.5	38.8	13.2
10/31/1990	43.1	55.3	118.4
10/8/1998	28.7	37.7	32.5
10/9/2002	13.8	59.4	95.1
3/9/2009	70.8	95.1	138.0
10/3/2011	37.0	37.6	81.3
2/11/2016	?	?	?
<b>Average</b>	<b>40.8%</b>	<b>58.2%</b>	<b>87.0%</b>

Source: Frank Russell Company

**Past Performance does not guarantee future results**

### **RUSSELL MICROCAP INDEX BEAR MARKET RECOVERY**

Bear Market Low	Total Return		
	6 Months	12 Months	3 Years
3/9/2009	79.9	102.2	143.7
8/24/2010	37.2	17.0	86.1
10/3/2011	32.5	44.9	88.1
2/11/2016	?	?	?
<b>Average</b>	<b>49.9%</b>	<b>54.7%</b>	<b>106.0%</b>

Source: Frank Russell Company

**Past Performance does not guarantee future results**



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**Federal Open Market Committee (FOMC)** is the branch of the Federal Reserve Board that determines the direction of monetary policy. **Russell 2000 Index** is an index measure the performance approximately 2,000 small-cap companies in the Russell 3000 Index, which is made up of 3,000 of the biggest U.S. stocks. **Russell Microcap Index** is a capitalization weighted index of 2,000 small-cap and micro-cap stocks that captures the smallest 1,000 companies in the Russell 2000, plus 1,000 smaller U.S.-based listed stocks. **S&P 500 Index** is an index of 500 stocks chosen for market size, liquidity and industry grouping, among other factors. The S&P 500 is designed to be a leading indicator of U.S. equities and is meant to reflect the risk/return characteristics of the large cap universe. **Dow Jones Industrial Index** is a price-weighted average of 30 significant stocks traded on the New York Stock Exchange and the NASDAQ. **Bear market** is a market condition in the prices of securities are falling, and widespread pessimism causes the negative sentiment to be self-sustaining. A downturn of 20% or more in multiple broad market indexes, such as the DJIA or S&P 500, over at least a two month period, is considered an entry into a bear market.

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