

Industry Status: Metals & Mining

1 week 12/12/23 to 12/19/23													
<u>9Weakest</u>	8VWeak	<u>7Weaker</u>	<u>6Weak</u>	5Avg	4Strong	3Stronger	2VStrong	1Strongest					
				68 METALS->	68 METALS->								
			4 Aluminum->	4 Aluminum->	4 Aluminum->								
				2 Copper->	2 Copper->	2 Copper->							
				16 Gold->	16 Gold->								
				22 Indust Mt/Mn->	22 Indust Mt/Mn->								
				<-Nonmet Mining 3	<-Nonmet Mining 3								
				10 Silver->	10 Silver->								
				11 Steel/Iron->	11 Steel/Iron->	11 Steel/Iron->							

December 19, 2023

UP +1 to STRONG strength rating

(4th strongest of 9 levels)

previous move was also UP

1 week 6/7 sub-industries strengthened, 93% positive stocks, 53% stocks >10%



Table of Contents

1

1. INDUSTRY OVERVIEW

1A. Performance1B. Background

2 2. SUB-INDUSTRIES AND STOCK DETAIL

2A. Sub-Industries Overview 2B. Sub-Industries 10-Week Strengthening Analysis 2C. Stocks 1 Week Strongest and Weakest

3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

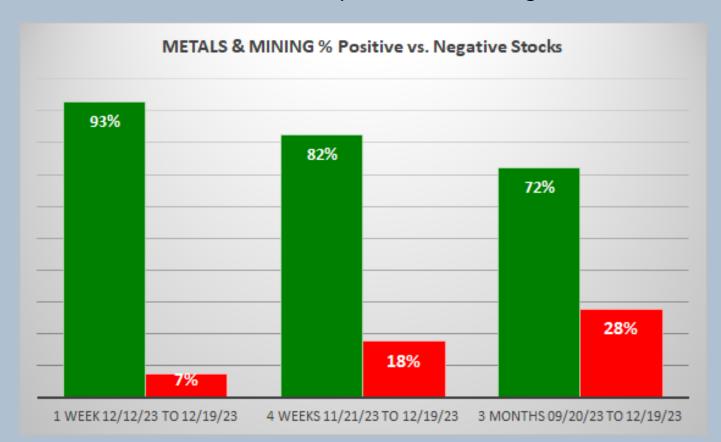
3A. Lookback 3 Months 3B. Lookback 4 weeks 3C. Lookback 1 Week

1. INDUSTRY OVERVIEW 1A. Performance

Past 10 Weeks Strengthening/Weakening week-by-week, per the following chart:

<u>9Weakest</u>	<u>8VWeak</u>	<u>7Weaker</u>	<u>6Weak</u>	5Avg	4Strong	3Stronger	2VStrong	1Strongest	<u>Period</u>
				68 METALS->	68 METALS->				7 Days - 12/12/23 to 12/19/23
				68 METALS					7 Days - 12/05/23 to 12/12/23
				68 METALS					7 Days - 11/28/23 to 12/05/23
				68 METALS					7 Days - 11/21/23 to 11/28/23
				68 METALS					7 Days - 11/14/23 to 11/21/23
			68 METALS->	68 METALS->					7 Days - 11/07/23 to 11/14/23
			68 METALS						7 Days - 10/31/23 to 11/07/23
			68 METALS						7 Days - 10/24/23 to 10/31/23
			<-METALS 68	<-METALS 68					7 Days - 10/17/23 to 10/24/23
			68 METALS->	68 METALS->					7 Days - 10/10/23 to 10/17/23

STRENGTHENING 1 Week vs. Mid- and Longer-Term // 1 week positive/negative stocks ratio is HIGHER than both 4 weeks and 3 Months, per the following chart:



1

1B. Background

Largest of 7 sub-industries (68 stocks, average 10):

- * Industrial Metals & Minerals (22 stocks)
- * Gold (16 stocks)
- * Steel & Iron (11 stocks)
- * Silver (10 stocks)

Top 10 by Market Capitalization:

SCCO/Southern Copper Corp, FCX/Freeport-McMoran Inc, NUE/Nucor Corp, NEM/Newmont Corporation, GOLD/Barrick Gold Corp, AEM/Agnico Eagle Mines Ltd, WPM/Wheaton Precious Metals Corp, FNV/Franco Nevada Corp, STLD/Steel Dynamics Inc, TECK/Teck Resources Limited

2. SUB-INDUSTRIES AND STOCKS DETAIL 2A. Sub-Industries Overview

Strengthened: 6/7 sub-industries Weakened: 1/7 sub-industries

STRONGEST at Stronger rating/3rd strongest of 9 levels:

- * Copper (2 stocks)
- * Steel & Iron (11 stocks)

WEAKEST at Average rating/5th strongest of 9 levels:

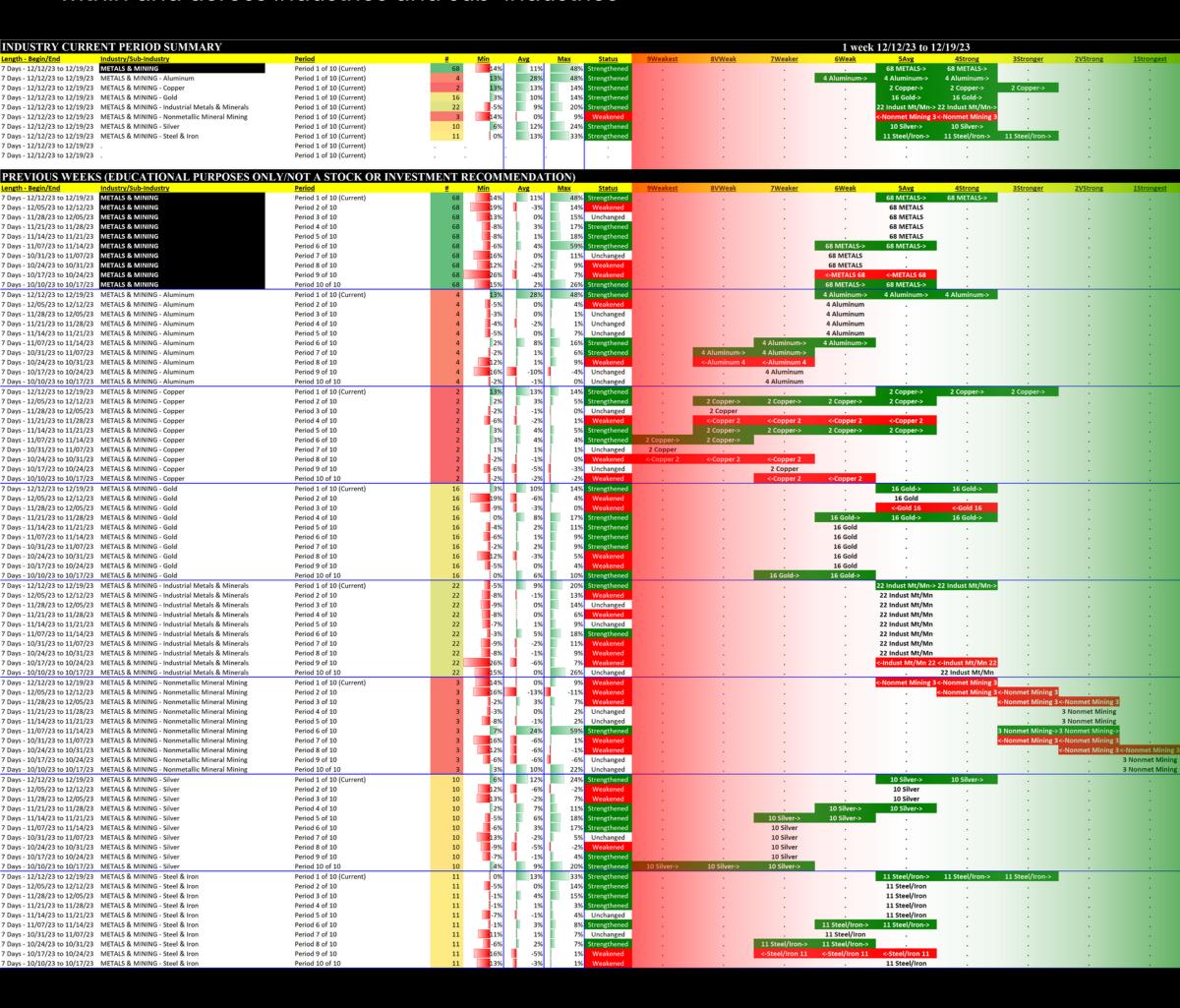
* Nonmetallic Mineral Mining (3 stocks)

2

December 19, 2023

2B. Sub-Industries 10-Week Strengthening Analysis

What: recent week-by-week strength changes for the industry and its sub-industries Why: objective measurement of strengthening and weakening enabling comparison within and across industries and sub-industries



Green Highlight: Strengthened Red Highlight: Weakened No Highlight: Unchanged

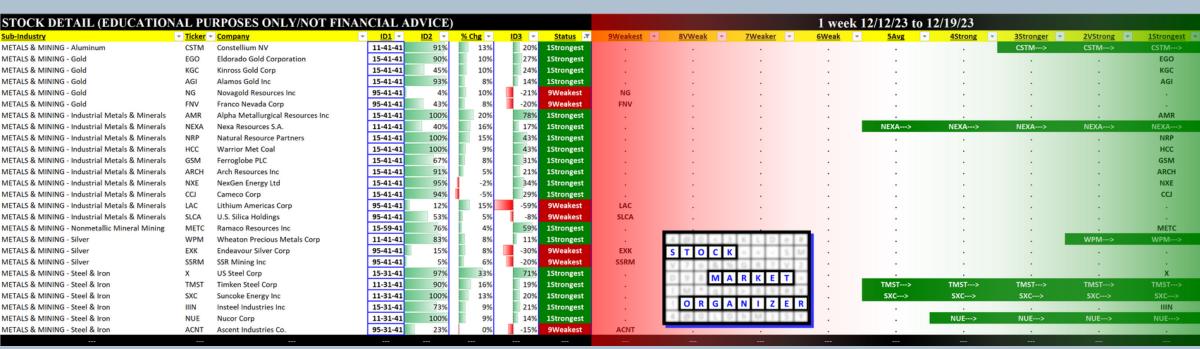
December 19, 2023

2C. Stocks 1 Week Strongest and Weakest

What: stocks currently rated Strongest/Weakest (highest/lowest of 9 strength ratings) Why: most interesting stocks for available capital because

- the Strongest have the least amount of overhead supply to dampen breakouts while
- the Weakest may be prone to volatility, subject to big pops from bottom-fishing and short-covering BUT ALSO to bigger and faster falls.

(Not guaranteed and not a recommendation - weak stocks in weakening sub-industries may be better shorts than high-flyers.)

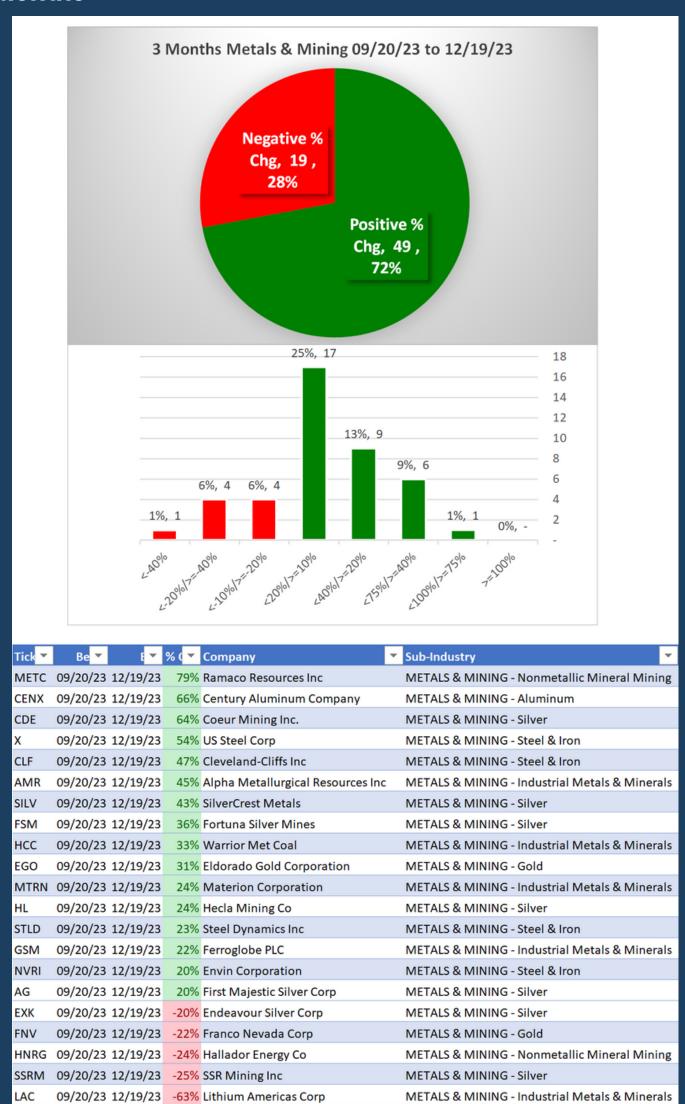


Strongest to Weakest stocks ratio is 19:7 (28% and 10% of total) 12/12/23 to 12/19/23.





3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks) 3A. Lookback 3 Months



16 stocks >+20% and 5 stocks <-20% (24% and 7% of total) 09/20/23 to 12/19/23.

3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

3B. Lookback 4 Weeks



35 stocks >+10% and 2 stocks <-10% (51% and 3% of total) 11/21/23 to 12/19/23.

METALS & MINING - Nonmetallic Mineral Mining

HNRG 11/21/23 12/19/23 -27% Hallador Energy Co



3. STRENGTH BY LOOKBACK PERIOD (with Best/Worst stocks)

3C. Lookback 1 Week



36 stocks >+10% and 1 stock <-10% (53% and 1% of total) 12/12/23 to 12/19/23.

7

December 19, 2023