Metals and Mining

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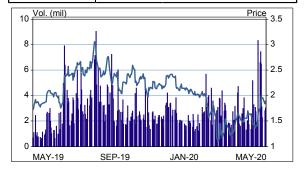
Endeavour Silver Corp. (EXK) Rating: Buy

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Mining Restart Underway; Virus Mitigation Efforts at Site and in Local Communities; Ramp-up Schedule; Reiterate Buy

Stock Data				05/28/2020				
Price				\$1.83				
Exchange			NYSE					
Price Target			\$3.00					
52-Week High				\$3.20				
52-Week Low				\$0.99				
Enterprise Value	e (M)			\$255				
Market Cap (M)		\$263						
Public Market F		127.5						
Shares Outstan	143.8							
3 Month Avg Vo	2,896,936							
Short Interest (I	11.37							
Balance Sheet Metrics								
Cash (M)			\$19.4					
Total Debt (M)			\$11.					
Total Cash/Sha	re			\$0.14				
Cash (M): includes ca	sh & equivalent	s and f	finished g	goods inventory				
EPS Diluted								
Full Year - Dec	2019A	20	020E	2021E				
FY	(0.36)	((0.23)	(0.05)				
Revenue (\$M)								
Full Year - Dec	2019A	20	020E	2021E				
FY	121.7	3	32.5	119.7				



Mining restart following COVID-19 suspension. On May 28, 2020, Endeavour Silver announced the restart of all three of its underground silver-gold mining operations in Mexico. The firm received approval for a restart of its Guanaceví, Bolañitos, and El Compas operations following the filing of mine operating and health plans with the Secretariat of Health in Mexico, amid development of a company specific restart plan. Endeavour intends to implement diligent COVID-19 monitoring, prevention, and response protocols, which have already been put in place at the sites.

Company measures to ensure employee and community health. Endeavour has mandated that all employees and contractors reporting for work must participate in a medical screening for COVID-19 at each mine. Additionally, the company has retained COVID-19 test kits in the event that a given employee or contractor is recommended for testing by the firm's doctors. While often common practice beyond the mining industry, Endeavour also continues to implement a variety of social distancing and sanitation measures throughout its work place, as well as conducting education campaigns at its mines and local communities. In minimizing any supply chain risk, the company remains prudent in increasing its inventory levels. Looking ahead, we expect Endeavour to continue focusing on its COVID-19 prevention campaign, which should ultimately facilitate a smooth transition back into production. We also highlight that the firm's mining activities meaningfully benefit neighboring communities.

Asset-wide ramp-up underway. At present, the firm's three mines are undergoing ramp-up activities to reach their respective normal operating capacities. This includes processing of ore stockpiles, as each mine also works towards catching up on stope development and ore extraction. At Guanaceví, two rebuilt cone crushers were installed during the suspension period, which should allow the plant to reach its 1,200 tonne per day (tpd) capacity sometime in June 2020. We also highlight that mine staff is completing the development of the San Miguel orebody at the Bolañitos mine over the next two months, which should allow the site to reach a capacity of 1,100 tpd before 2Q20. Lastly, the firm commenced the processing of low-grade stockpile ore at El Compas as the mine continues to push towards an ore extraction rate of 250 tpd over the next month. Despite the government mandated mining suspension, which we note has now been lifted for the firm, Endeavour's preparation for an asset-wide ramp-up should permit a smooth transition back to steady-state mining.

We reiterate our Buy recommendation on Endeavour Silver shares and maintain our price target of \$3.00 per share. Our valuation remains based on a DCF from the company's three silver-gold mines in Mexico. We continue to use unchanged 8.0% discount rates for Guanaceví and Bolañitos, in addition to a 10.0% discount rate for El Compas. These discount rates remain in line with comparable assets in similar jurisdictions carrying equal geopolitical risks. We then add Endeavour's liquid assets of \$19.4M (\$0.14 per share), while subtracting debt of \$11.5M (\$0.08 per share), to achieve our NAV of \$2.43 per share. We utilize an unchanged 1.2x NAV multiple to calculate our rounded price target of \$3.00 per share. In short, we look forward to Endeavour's management working through this ramp-up period at its three Mexican assets, and ultimately expect operations to resume normal mining rates during 2H20.

Risks. 1) Commodity price risk; 2) financing risk; 3) increase in capital to construct Terronera; and 4) operating and technical risk.

			2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	203
<u>Guanaceví</u>														
onnes Processed (000's)			270	360	360	360	360	360	360	360	360	360	360	36
illver grade (gpt)			250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.
ilver Recovery			88.0%	91.5%	91.5%	91.5%	91.5%	91.5%	91.5%	91.5%	91.5%	91.5%	91.5%	91.5
Annual silver production (000's oz)			1,910	2,648	2,648	2,648	2,648	2,648	2,648	2,648	2,648	2,648	2,648	2,64
6 growth ilver sales price		\$	-13.3% 17.50 \$	38.6% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0% 17.50 \$	0.0 17.5
Gold grade (gpt) Gold recovery			0.80 90.2%	0.70 90.2%	0.50 90.2%	0.50 90.2%	0.50 90.2%	0.50 90.2%	0.50 90.2%	0.50 90.2%	0.50 90.2%	0.50 90.2%	0.50 90.2%	0. 90.2
Annual gold production (000's oz)			6.3	7.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.
6 growth			2.9%	16.7%	-28.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0
Gold sales price		\$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,57
Gold:Silver ratio			90	90	90	90	90	90	90	90	90	90	90	9
otal silver equivalent ounces produced			2,474	3,305	3,117	3,117	3,117	3,117	3,117	3,117	3,117	3,117	3,117	3,11
% growth			-10.0%	33.6%	-5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0
otal silver equivalent production			2,474	3,305	3,117	3,117	3,117	3,117	3,117	3,117	3,117	3,117	3,117	3,11
otal Revenues		\$	43,286 \$	57,843 \$	54,555 \$	54,555 \$	54,555 \$	54,555 \$	54,555 \$	54,555 \$	54,555 \$	54,555 \$	54,555 \$	54,55
Cash cost per oz		\$	12.00 \$	10.00 \$	10.00 \$	10.00 \$	10.00 \$	10.00 \$	10.00 \$	10.00 \$	10.00 \$	10.00 \$	10.00 \$	10.0
Mining costs		\$	29,682 \$	33,053 \$	31,174 \$	31,174 \$	31,174 \$	31,174 \$	31,174 \$	31,174 \$	31,174 \$	31,174 \$	31,174 \$	31,17
Gross profit (in 000's)		\$	13,604 \$	24,790 \$	23,381 \$	23,381 \$	23,381 \$	23,381 \$	23,381 \$	23,381 \$	23,381 \$	23,381 \$	23,381 \$	23,38
CapEx (in 000's)		\$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,000) \$	(5,00
Tax)			32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.0%	32.
		\$	(2,753) \$	(6,333) \$	(5,882) \$	(5,882) \$	(5,882) \$	(5,882) \$	(5,882) \$	(5,882) \$	(5,882) \$	(5,882) \$	(5,882) \$	(5,8
perating cash flow		\$	5,851 \$	13,457 \$	12,499 \$	12,499 \$	12,499 \$	12,499 \$	12,499 \$	12,499 \$	12,499 \$	12,499 \$	12,499 \$	12,4
ash flow discount rate of operating cash flow	8.0%	\$	5,851 \$	12,460 \$	10,716 \$	9,922 \$	9,922 \$	9,187 \$	8,506 \$	7,876 \$	7,293 \$	6,753 \$	6,253 \$	5,78
	\$ 100,528	,	3,031 3	12,460 3	10,710 3	3,322 3	5,522 \$	3,167 \$	8,500 \$	7,876 \$	7,255 \$	6,755 \$	0,233 3	3,70
otal current cash flow/ Project NAV Common shares	143,838													
Project NAV per share	\$0.70		*****	20215	*****	*****	****		*****		*****	*****		
<u>olañitos</u>			2020E	2021E	<u>2022E</u>	2023E	<u>2024E</u>	<u>2025E</u>	<u>2026E</u>	<u>2027E</u>	2028E	<u>2029E</u>	2030E	203
onnes Processed (000's)			290	355	355	355	355	355	355	355	355	355	355	35
ilver grade (gpt)			45.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60
ilver Recovery			81.0%	81.0%	81.0%	81.0%	81.0%	81.0%	81.0%	81.0%	81.0%	81.0%	81.0%	81.0
Innual silver production (000's oz)			340	555	555	555	555	555	555	555	555	555	555	55
6 growth			-45.6%	63.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0
ilver sales price		\$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.50 \$	17.5
iold grade (gpt)			1.80	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.
iold recovery			85.5%	85.5%	85.5%	85.5%	85.5%	85.5%	85.5%	85.5%	85.5%	85.5%	85.5%	85.
nnual gold production (000's oz)			14.3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21
6 growth			-2.9%	49.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0
Gold sales price		\$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,575 \$	1,57
Gold:Silver ratio Total silver equivalent ounces produced			90 1,631	90 2,487	90 2,487	90 2,487	90 2,487	90 2,487	90 2,487	90 2,487	90 2,487	90 2,487	90 2,487	2,4
otal silver equivalent ounces produced			-16.6%	52.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0
otal silver equivalent production			1,631	2,487	2,487	2,487	2,487	2,487	2,487	2,487	2,487	2,487	2,487	2,4
otal Revenues		Ś	28.547 \$	43.521 \$	43.521 \$	43.521 \$	43.521 \$	43.521 \$	43.521 \$	43.521 \$	43.521 \$	43.521 \$	43.521 \$	43,52
		Ś	6.75 \$	6.00 \$	6.00 \$	6.00 \$	6.00 \$	6.00 \$	6.00 \$	6.00 \$	6.00 \$	6.00 \$	6.00 \$	6.0
ash cost per oz Mining costs		\$	11,011 \$	14,921 \$	14,921 \$	14,921 \$	14,921 \$	14,921 \$	14,921 \$	14,921 \$	14,921 \$	14,921 \$	14,921 \$	14,92
ross profit (in 000's)		\$	17,536 \$	28,599 \$	28,599 \$	28,599 \$	28,599 \$	28,599 \$	28,599 \$	28,599 \$	28,599 \$	28,599 \$	28,599 \$	28,59
		\$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,000) \$	(3,00
			32.0% (4,652) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0% (8,192) \$	32.0 (8,19
		^		(9,19Z) \$		(8,192) \$ 17,407 \$	(8,192) \$ 17,407 \$	(8,192) \$ 17,407 \$	(8,192) \$ 17,407 \$	17,40				
Tax)		\$ \$	9,885 \$	17,407 \$	17,407 \$									
Tax) Operating cash flow	8.0%			17,407 \$	17,407 \$,								
Tax) perating cash flow ash flow discount rate	8.0%			17,407 \$	14,924 \$	13,819 \$	12,795 \$	11,847 \$	10,970 \$	10,157 \$	9,405 \$	8,708 \$	8,063 \$	7,46
Tax) Operating cash flow ash flow discount rate V of operating cash flow rotal current cash flow/Project NAV	\$ 134,156	\$	9,885 \$					11,847 \$	10,970 \$	10,157 \$	9,405 \$	8,708 \$	8,063 \$	7,46
LapEX (in 000's) Tax) Departing cash flow Cash flow discount rate PV of operating cash flow Total current cash flow/Project NAV Common shares Project NAV per share		\$	9,885 \$					11,847 \$	10,970 \$	10,157 \$	9,405 \$	8,708 \$	8,063 \$	7,46

			2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E
El Compas														
Tonnes Processed (000's)			60	75	45									
Silver grade (gpt)			60.0	79.0	75.0									
Silver Recovery			65.0%	65.0%	65.0%									
Annual silver production (000's oz)			75	124	71									
% growth			-27.9%	64.6%	-43.0%									
Silver sales price			\$ 17.50 \$	17.50 \$	17.50									
Gold grade (gpt)			4.0	5.5	7.1									
Gold recovery			77.3%	77.3%	77.3%									
Annual gold production (000's oz)			6.0	10.3	7.9									
% growth			-21.3%	71.9%	-23.0%									
Gold sales price			\$ 1,575 \$	1,575 \$	1,575									
Gold:Silver ratio			90	90	90									
Total silver equivalent ounces produced			612	1,046	781									
% growth			-22.2%	71.0%	-25.4%									
Total silver equivalent production			612	1,046	781									
Total Revenues			\$ 10,711 \$	18,313 \$	13,661									
Cash cost per oz			\$ 9.25 \$	9.25 \$	9.25									
Mining costs			\$ 5,661 \$	9,680 \$	7,221									
Gross profit (in 000's)			\$ 5,049 \$	8,633 \$	6,440									
CapEx (in 000's)			\$ (300) \$	(300) \$	(300)									
(Tax)			32.0%	32.0%	32.0%									
			\$ (1,520) \$	(2,667) \$	(1,965)									
Operating cash flow			\$ 3,230 \$	5,667 \$	4,175									
Cash flow discount rate		10%												
PV of operating cash flow			\$ 3,230 \$	5,152 \$	3,451									
Total current cash flow/Project NAV	s	11,832												
Common shares	*	143,838												
Project NAV per share		\$0.08												
Source: H.C. Wainwright & Co. estimates.		¥****												
•			2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E	2031E
								2023E	2020E	2027E	2020E	2023E	2030E	

(note: silver equivalent production utilizes HCW price deck and therefore may not exactly match Endeavour outlook or results)

Current value of cash flow

	Total		per share	
Valuation for Guanaceví	\$ 100,528	\$	0.70	HCW estimate
Valuation for Bolañitos	\$ 134,156	\$	0.93	HCW estimate
Valuation for El Cubo	\$ 10,000	\$	0.07	HCW estimate
Valuation for El Compas	\$ 11,832	\$	0.08	HCW estimate
Valuation for Terronera	\$ 50,000	\$	0.35	HCW estimate
Valuation for other exploration properties	\$ 35,000	\$	0.24	HCW estimate
Plus cash & equivalents and finished goods inventory	\$ 19,435	\$	0.14	As of March 31, 2020
Less debt	\$ 11,544	\$	0.08	As of March 31, 2020
Total current value	\$ 349,407	\$	2.43	
Common shares	143,838	As o	of May 7, 20	20
EXK share price	\$ 1.83	As a	of May 28, 2	020
EXK NAV	\$ 2.43			
NAV Premium for target price	1.2x			
Rounded (\$0.25) price target	\$ 3.00		39.0%	discount to price target
Source: H.C. Wainwright & Co. estimates.				

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RETURN ASSESSMENT

Market Outperform (Buy): The common stock of the company is expected to outperform a passive index comprised of all the common stock of companies within the same sector.

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Distribution of Ratings Table as of May 27, 2020											
IB Service/Past 12 Month											
Ratings	Count	Percent	Count	Percent							
Buy	382	90.52%	132	34.55%							
Neutral	37	8.77%	7	18.92%							
Sell	0	0.00%	0	0.00%							
Under Review	3	0.71%	3	100.00%							

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