

Reserves and Resources – 12/31/19⁽¹⁾

Proven Reserves											
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Copper %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper (Tons)
Greens Creek ⁽²⁾	7	14.8	0.08	2.6	5.4	-	106	1	180	390	-
Lucky Friday ⁽²⁾	4,185	15.4	-	9.6	4.1	-	64,506	-	401,020	172,880	-
Casa Berardi Open Pit ⁽³⁾	5,873	-	0.08	-	-	-	-	447	-	-	-
Casa Berardi Underground ⁽³⁾	974	-	0.16	-	-	-	-	156	-	-	-
San Sebastian ⁽²⁾	35	4.8	0.08	-	-	-	166	3	-	-	-
Fire Creek ^(2,4)	22	1.2	1.51	-	-	-	28	33	-	-	-
Total	11,096						64,805	640	401,200	173,270	-
Probable Reserves											
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Copper %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper (Tons)
Greens Creek ⁽²⁾	10,713	12.2	0.09	2.8	7.3	-	130,791	932	305,010	778,020	-
Lucky Friday ⁽²⁾	1,386	11.4	-	7.6	3.7	-	15,815	-	104,720	50,640	-
Casa Berardi Open Pit ⁽³⁾	11,802	-	0.07	-	-	-	-	809	-	-	-
Casa Berardi Underground ⁽³⁾	1,978	-	0.15	-	-	-	-	305	-	-	-
San Sebastian ⁽²⁾	66	10.9	0.07	-	-	-	716	5	-	-	-
Fire Creek ^(2,4)	37	0.6	0.56	-	-	-	23	21	-	-	-
Total	25,983						147,346	2,072	409,730	828,660	-
Proven and Probable Reserves											
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Copper %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper (Tons)
Greens Creek ⁽²⁾	10,721	12.2	0.09	2.8	7.3	-	130,897	932	305,190	778,410	-
Lucky Friday ⁽²⁾	5,571	14.4	-	9.1	4.0	-	80,321	-	505,740	223,520	-
Casa Berardi Open Pit ⁽³⁾	17,675	-	0.07	-	-	-	-	1,257	-	-	-
Casa Berardi Underground ⁽³⁾	2,952	-	0.16	-	-	-	-	461	-	-	-
San Sebastian ⁽²⁾	100	8.8	0.08	-	-	-	881	8	-	-	-
Fire Creek ^(2,4)	59	0.9	0.92	-	-	-	51	54	-	-	-
Total	37,078						212,151	2,712	810,930	1,001,930	-

⁽¹⁾ The term "reserve" means that part of a mineral deposit that can be economically and legally extracted or produced at the time of the reserve determination. The term "economically," as used in the definition of reserve, means that profitable extraction or production has been established or analytically demonstrated to be viable and justifiable under reasonable investment and market assumptions. The term "legally," as used in the definition of reserve, does not imply that all permits needed for mining and processing have been obtained or that other legal issues have been completely resolved. However, for a reserve to exist, Hecla must have a justifiable expectation, based on applicable laws and regulations, that issuance of permits or resolution of legal issues necessary for mining and processing at a particular deposit will be accomplished in the ordinary course and in a timeframe consistent with Hecla's current mine plans.

⁽²⁾ Mineral reserves are based on \$1300 gold, \$14.50 silver, \$0.90 lead, \$1.15 zinc, unless otherwise stated. The NSR cut-off grades are \$190/ton for Greens Creek, \$216.19 for the 30 Vein and \$230.98 for the Intermediate Veins at Lucky Friday, and \$127/ton (\$140/tonne) for underground and \$90.72/ton (\$100/tonne) for open pit reserves at San Sebastian.

⁽³⁾ Mineral reserves are based on \$1300 gold and a US\$/CAN\$ exchange rate of 1:1.35 Reserve diluted to an average of 34.7% to minimum width of 9.8 feet (3 m). The average cut-off grades at Casa Berardi are 0.105 oz/ton gold (3.49 g/tonne) for underground mineral reserves and 0.025 oz/ton gold (0.85 g/tonne) for open pit mineral reserves.

⁽⁴⁾ Fire Creek mineral reserves are based on a cut-off grade of 0.433 gold equivalent oz/ton and incremental cut-off grade of 0.135 gold equivalent oz/ton. Unplanned dilution of 10% to 17% included depending on mining method.

* Totals may not represent the sum of parts due to rounding

Measured and Indicated Resources – 12/31/19

Measured Resources											
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Copper %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper (Tons)
Greens Creek ⁽⁵⁾	76	12.5	0.09	2.6	9.4	-	949	7	2,000	7,140	-
Lucky Friday ^(5,6)	8,060	7.5	-	4.8	2.6	-	60,788	-	385,040	210,730	-
Casa Berardi Open Pit ⁽⁷⁾	193	-	0.02	-	-	-	-	4	-	-	-
Casa Berardi Underground ⁽⁷⁾	1,841	-	0.15	-	-	-	-	273	-	-	-
San Sebastian ^(5,8)	-	-	-	-	-	-	-	-	-	-	-
Fire Creek ^(5,9)	47	0.7	0.92	-	-	-	34	43	-	-	-
Hollister ^(5,10)	103	3.6	0.57	-	-	-	376	59	-	-	-
Midas ^(5,11)	134	6.9	0.44	-	-	-	927	59	-	-	-
Heva ⁽¹²⁾	5,480	-	0.06	-	-	-	-	304	-	-	-
Hosco ⁽¹²⁾	33,070	-	0.04	-	-	-	-	1,296	-	-	-
Rio Grande Silver ⁽¹³⁾	-	-	-	-	-	-	-	-	-	-	-
Star ⁽¹⁴⁾	-	-	-	-	-	-	-	-	-	-	-
Total	49,004						63,073	2,044	387,040	217,870	-
Indicated Resources											
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Copper %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper (Tons)
Greens Creek ⁽⁵⁾	8,569	11.7	0.10	2.8	8.1	-	100,187	828	242,010	691,750	-
Lucky Friday ^(5,6)	2,720	8.0	-	5.1	2.4	-	21,641	-	138,620	65,930	-
Casa Berardi Open Pit ⁽⁷⁾	3,341	-	0.05	-	-	-	-	155	-	-	-
Casa Berardi Underground ⁽⁷⁾	4,463	-	0.14	-	-	-	-	631	-	-	-
San Sebastian ^(5,8)	2,846	6.3	0.05	2.2	3.3	1.4	17,952	155	30,300	45,660	19,900
Fire Creek ^(5,9)	211	0.7	0.66	-	-	-	142	140	-	-	-
Hollister ^(5,10)	182	2.2	0.58	-	-	-	410	105	-	-	-
Midas ^(5,11)	616	5.0	0.37	-	-	-	3,064	229	-	-	-
Heva ⁽¹²⁾	5,570	-	0.07	-	-	-	-	369	-	-	-
Hosco ⁽¹²⁾	31,620	-	0.04	-	-	-	-	1,151	-	-	-
Rio Grande Silver ⁽¹³⁾	516	14.8	-	2.1	1.1	-	7,620	-	10,760	5,820	-
Star ⁽¹⁴⁾	1,126	2.9	-	6.2	7.4	-	3,301	-	69,900	83,410	-
Total	61,779						154,315	3,762	491,590	892,570	19,900
Measured & Indicated Resources											
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Copper %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper (Tons)
Greens Creek ⁽⁵⁾	8,645	11.7	0.10	2.8	8.1	-	101,135	835	244,010	698,880	-
Lucky Friday ^(5,6)	10,780	7.6	-	4.9	2.6	-	82,428	-	523,670	276,660	-
Casa Berardi Open Pit ⁽⁷⁾	3,534	-	0.04	-	-	-	-	158	-	-	-
Casa Berardi Underground ⁽⁷⁾	6,304	-	0.14	-	-	-	-	904	-	-	-
San Sebastian ^(5,8)	2,846	6.3	0.05	2.2	3.3	1.4	17,952	155	30,300	45,660	19,900
Fire Creek ^(5,9)	257	0.7	0.71	-	-	-	176	182	-	-	-
Hollister ^(5,10)	285	2.8	0.58	-	-	-	786	164	-	-	-
Midas ^(5,11)	750	5.3	0.38	-	-	-	3,990	288	-	-	-
Heva ⁽¹²⁾	11,050	-	0.06	-	-	-	-	672	-	-	-
Hosco ⁽¹²⁾	64,690	-	0.04	-	-	-	-	2,447	-	-	-
Rio Grande Silver ⁽¹³⁾	516	14.8	-	2.1	1.1	-	7,620	-	10,760	5,820	-
Star ⁽¹⁴⁾	1,126	2.9	-	6.2	7.4	-	3,301	-	69,900	83,410	-
Total	110,782						217,388	5,805	878,640	1,110,430	19,900

Inferred Resources											
Asset	Tons (000)	Silver (oz/ton)	Gold (oz/ton)	Lead %	Zinc %	Copper %	Silver (000 oz)	Gold (000 oz)	Lead (Tons)	Zinc (Tons)	Copper (Tons)
Greens Creek ⁽⁵⁾	1,848	13.7	0.09	3.1	7.4	-	25,393	159	56,670	135,880	-
Lucky Friday ^(5,6)	3,050	8.6	-	6.2	2.7	-	26,155	-	190,500	82,250	-
Casa Berardi Open Pit ⁽⁷⁾	11,724	-	0.04	-	-	-	-	498	-	-	-
Casa Berardi Underground ⁽⁷⁾	2,485	-	0.19	-	-	-	-	471	-	-	-
San Sebastian ^(5,15)	3,518	6.3	0.04	1.7	2.4	0.9	22,189	147	13,250	19,200	7,440
Fire Creek ^(5,9)	543	0.5	0.51	-	-	-	295	278	-	-	-
Fire Creek - Open Pit ⁽¹⁶⁾	74,584	0.1	0.03	-	-	-	5,232	2,178	-	-	-
Hollister ^(5,10,17)	466	2.7	0.40	-	-	-	1,247	185	-	-	-
Midas ^(5,11)	552	2.7	0.33	-	-	-	1,489	183	-	-	-
Heva ⁽¹²⁾	4,210	-	0.08	-	-	-	-	350	-	-	-
Hosco ⁽¹²⁾	7,650	-	0.04	-	-	-	-	314	-	-	-
Rio Grande Silver ⁽¹⁸⁾	3,078	10.7	0.01	1.3	1.1	-	33,097	36	40,990	34,980	-
Star ⁽¹⁴⁾	3,157	2.9	-	5.6	5.5	-	9,432	-	178,670	174,450	-
Monte Cristo ⁽¹⁹⁾	913	0.3	0.14	-	-	-	271	131	-	-	-
Rock Creek ⁽²⁰⁾	100,086	1.5	-	-	-	0.7	148,736	-	-	-	658,680
Montanore ⁽²¹⁾	112,185	1.6	-	-	-	0.7	183,346	-	-	-	759,420
Total	330,050						456,881	4,929	480,080	446,760	1,425,540

Note: All estimates are in-situ except for the proven reserves at Greens Creek and San Sebastian which are in surface stockpiles. Resources are exclusive of reserves.

⁽⁵⁾ Mineral resources are based on \$1500 gold, \$21 silver, \$1.15 lead, \$1.35 zinc and \$3.00 copper, unless otherwise stated. Cut-off grades are as above unless otherwise stated.

⁽⁶⁾ Measured and indicated resources from Gold Hunter and Lucky Friday vein systems are diluted and factored for expected mining recovery using NSR cut-off grades of \$170.18 for the 30 Vein, \$184.97 for the Intermediate Veins and \$207.15 for the Lucky Friday Vein.

⁽⁷⁾ Measured, indicated and inferred resources are based on \$1,500 gold and a US\$/CAN\$ exchange rate of 1:1.35. Underground resources are reported at a minimum mining width of 6.6 to 9.8 feet (2 m to 3 m). The average cut-off grades at Casa Berardi are 0.105 oz/ton gold (3.49 g/tonne) for underground mineral resources and 0.025 oz/ton gold (0.85 g/tonne) for open pit mineral resources.

⁽⁸⁾ Indicated resources reported at a minimum mining width of 5.9 feet (1.8 m) for Hugh Zone, Middle Vein, North Vein, and East Francine Vein and 4.9 feet (1.5 m) for Andrea Vein using a cut-off grade of \$90.72/ton (\$100/tonne). San Sebastian lead, zinc and copper grades are for 1,376,500 tons of indicated resource within the Middle Vein and the Hugh Zone of the Francine Vein.

⁽⁹⁾ Fire Creek mineral resources are reported at a gold equivalent cut-off grade of 0.306 oz/ton. The minimum mining width is defined as four feet or the vein true thickness plus two feet, whichever is greater.

⁽¹⁰⁾ Hollister mineral resources are reported at a gold equivalent cut-off grade of 0.294 oz/ton. The minimum mining width is defined as four feet or the vein true thickness plus two feet, whichever is greater.

⁽¹¹⁾ Midas mineral resources are reported at a gold equivalent cut-off grade of 0.223 oz/ton. The minimum mining width is defined as four feet or the vein true thickness plus two feet, whichever is greater.

⁽¹²⁾ Measured, indicated and inferred resources were estimated in by Goldminds Geoservices Inc. with effective date 12-July-2013, and are based on \$1,300 gold and a US\$/CAN\$ exchange rate of 1:1. The resources are in-situ without dilution and material loss at a cut-off grade of 0.011 oz/ton gold (0.37 g/tonne) for open pit and 0.06 oz/ton gold (2.0 g/tonne) for underground.

NI43-101 Technical Report, Mineral Resource Update, Heva-Hosco Gold Projects, Rouyn-Noranda, Quebec, Hecla Quebec, December 2013

Prepared by: Claude Duplessis, Eng. Project Manager - GoldMinds Geoservices Inc.; Maxime Dupéré, P. Geo - SGS Canada Inc. (Geostat)

⁽¹³⁾ Indicated resources reported at a minimum mining width of 6.0 feet for Bulldog; resources based on \$26.5 Ag, \$0.85 Pb, and \$0.85 Zn and a cut-off grade of 6.0 silver equivalent oz/ton.

⁽¹⁴⁾ Indicated and Inferred resources reported using \$21 silver, \$0.95 lead, \$1.10 lead minimum mining width of 4.3 feet and a cut-off grade of \$100/ton.

⁽¹⁵⁾ Inferred resources reported at a minimum mining width of 5.9 feet (1.8 m) for Hugh Zone, Middle Vein, North Vein, and East Francine Vein and 4.9 feet (1.5 m) for Andrea Vein using a cut-off grade of \$90.72/ton (\$100/tonne).

San Sebastian lead, zinc and copper grades are for 792,900 tons of inferred resource within the Middle Vein and the Hugh Zone of the Francine Vein.

⁽¹⁶⁾ Inferred open-pit resources for Fire Creek calculated November 30, 2017 using gold and silver recoveries of 65% and 30% for oxide material and 60% and 25% for mixed oxide-sulfide material. Indicated Resources reclassified as Inferred for 2019.

Open pit resources are calculated at \$1400 gold and \$19.83 silver and cut-off grade of 0.01 Au Equivalent oz/ton and is inclusive of 10% mining dilution and 5% ore loss.

Open pit mineral resources exclusive of underground mineral resources.

NI43-101 Technical Report for the Fire Creek Project, Lander County, Nevada; Effective Date March 31, 2018; prepared by Practical Mining LLC, Mark Odell, P.E. for Hecla Mining Company, June 28, 2018

⁽¹⁷⁾ Inferred resources for the Hatter Project at the Hollister Mine calculated using recoveries for gold and silver of 82.7% and 71.8% and an Au equivalent cut-off grade of 0.294 oz/ton

⁽¹⁸⁾ Inferred resources reported at a minimum mining width of 6.0 feet for Bulldog and a cut-off grade of 6.0 equivalent oz/ton silver and 5.0 feet for Equity and North Amethyst vein at a cut-off grade of \$50/ton and \$100/ton; based on \$1400 Au, \$26.5 Ag, \$0.85 Pb, and \$0.85 Zn.

⁽¹⁹⁾ Inferred resource reported at a minimum mining width of 5.0 feet; resources based on \$1400 Au, \$26.5 Ag using a 0.06 oz/ton gold cut-off grade.

⁽²⁰⁾ Inferred resource at Rock Creek reported at a minimum thickness of 15 feet and a cut-off grade of \$24.50/ton NSR and adjusted given mining restrictions as defined by U.S. Forest Service, Kootenai National Forest in the June 2003 'Record of Decision, Rock Creek Project'.

⁽²¹⁾ Inferred resource at Montanore reported at a minimum thickness of 15 feet and a cut-off grade of \$24.50/ton NSR and adjusted given mining restrictions defined by U.S. Forest Service, Kootenai National Forest, Montana DEQ in December 2015 'Joint Final EIS, Montanore Project' and the February 2016 U.S. Forest Service - Kootenai National Forest 'Record of Decision, Montanore Project'.

* Totals may not represent the sum of parts due to rounding