SPECIFIC GRAVITY DATA - DRILL CORE

60008471 - 60008474

60008173; 1449
4010

HECLA MINING COMPANY - ROSEBUD PROJECT
1995 UNDERGROUND IN-FILL DRILLING PROGRAM
SPECIFIC GRAVITY MEASUREMENTS

HOLE ID	Sample Location (ft. downhole)	Au (opt)	Ag (opt)	Formation	Sample Description	Specific Gravity (g/ml)
D-109-95	7.6	0.365	0.51	LBT	fg, K-altered ash flow/flow breccia	2.39
	22.8	0.317	2.68	LBT	pink-matrix monolithic tuff breccia	2.62
	41.8	0.002	0.03	LBT	planar-laminated fg ash	2.56
	50.6	0.001	0.02	LBT	clast-supported heterolithic breccia	2.50
	70.4	0.689	1.03	LBT	vfg massive ash tuff w/ abund stockwork	2.61
	100.6	0.004	0.06	LBT	flow-banded/foliated fg ash	2.53
	136.5	0.013	0.06	LBT	med-gr tuffaceous ash	2.51
D-113-95	75.0	0.062	n/a	LBT	mod planar-laminated ash tuff	2.34
	77.2	0.822	n/a	LBT	silicified, vugy/open-space crackle breccia	2.49
	84.6	0.213	n/a	LBT	argillized & K-altered tuff breccia	2.42
	93.0	0.538	n/a	LBT	K-altered volcanic breccia	2.43
	109.0	1.035	n/a	LBT	K-altered massive tuff	2.54
	113.0	0.857	n/a	LBT	calcite pebble dike?	2.47
	125.8	0.274	n/a	LBT	propylitized & argillized massive tuff	2.41
	133.5	2.055	n/a	LBT	K-altered massive tuff w/ abund clay-filled fractures	2.49
	156.5	0.351	n/a	LBT	K-altered ash tuff	2.52
	176.0	0.128	n/a	LBT	K-altered planar-laminated ash tuff	2.42
	180.0	0.196	n/a	LBT	Propylitized LST w/silica stockwork	2.47
	196.0	0.305	n/a	LBT	Propylitized LST w/silica & white clay stockwork	2.52
	206.8	0.016	n/a	LBT	silicified fault (SRF)	2.70
	207.5	0.017	n/a	Tos	silicified lithic tuff breccia	2.53
	218.5	0.003	n/a	Dozer	fg aphanitic ash tuff	2.32
D-114-95	94.6	2.945	5.84	LBT	pink-matrix-supported het breccia; vugy, stkwk	2.11
	108.7	0.806	0.86	LBT	pink-matrix-supported het breccia; vugy, stkwk	2.44
	175.5	0.396	0.76	LBT	pink-matrix-supported monolithic breccia	2.49
	190.0	0.387	2.26	LBT	vfg planar-banded ash flow	2.50
	212.8	0.096	0.47	LBT	silicified LST	2.44
	230.3	0.004	0.04	LBT	silicified LST	2.40
	273.8	0.008	0.07	LBT	silicified, vugy, chloritized ash flow	2.65
	295.5	0.002	0.07	LBT	silicified, vugy, pumice-rich ash flow	2.31
D-117-95	37.0	n/a	n/a	LBT	K-altered matrix-supported tuff breccia	2.39
	72.2	n/a	n/a	LBT	silicified, K-altered matrix-supported tuff breccia	2.41
	54.0	n/a	n/a	LBT	K-altered matrix-supported tuff breccia	2.32
	82.5	n/a	n/a	LBT	K-altered matrix-supported tuff breccia	2.43
	93.8	n/a	n/a	LBT	fg ash tuff	2.35
	96.0	n/a	n/a	LBT	welded ash flow tuff	2.36
	109.0	n/a	n/a	LBT	K-altered matrix-supported tuff breccia	2.34
	122.0	n/a	n/a	LBT	argillized crackle breccia	2.37
	130.0	n/a	n/a	LBT	planar-laminated ash tuff	2.55
	136.5	n/a	n/a	LBT	fg massive ash tuff	2.42
	149.5	n/a	n/a	LBT	K-altered matrix-supported tuff breccia	2.36
	165.0	n/a	n/a	LBT	massive ash tuff	2.49
	179.4	n/a	n/a	LBT	coarse-gr LST	2.21
	188.9	n/a	n/a	LBT	fg LST	2.34
	200.0	n/a	n/a	LBT	fg ash tuff	2.50
	214.0	n/a	n/a	LBT	weakly altered LST	2.45
	224.0	n/a	n/a	LBT	LST breccia	2.43
	246.8	n/a	n/a	LBT	K-altered matrix-supported tuff breccia	2.42
	255.0	n/a	n/a	LBT	propylitized fg ash tuff	2.47

HOLE ID	Sample Location (ft. downhole)	Au (opt)	Ag (opt)	Formation	Sample Description	Specific Gravity (g/ml)
D-121-95	86.9	0.668	7.08	LBT	strongly stockworked massive ash tuff	2.32
	115.1	0.384	7.20	LBT	silicified, vugy, clast-supported tuff breccia	2.45
	151.8	0.113	0.68	LBT	vugy, silicified, clay-matrix fault/hydrothermal breccia	2.48
D-124-95	2.0	0.002	0.02	LBT	planar-banded fg ash tuff	2.54
	24.6	0.019	0.11	LBT	K-altered matrix-supported monolithic tuff breccia	2.39
	49.0	0.018	0.54	LBT	K-altered matrix-supported monolithic tuff breccia	2.34
	87.0	1.135	5.01	LBT	K-altered clast-supported heterolithic tuff breccia	2.54
	119.2	0.001	0.03	LBT	K-altered matrix-supported heterolithic tuff breccia	2.35
	203.1	1.980	18.00	LBT	finely-laminated fg ash tuff	2.61
	220.6	0.803	1.69	LBT	pumice-rich ash flow	2.41
	229.6	0.098	0.34	LBT	clay-rich, vugy LST	2.28
	240.4	0.006	0.06	LBT	strongly argillized & chloritized flow banded ash	2.29
D-126-95	153.5	n/a	n/a	LBT	convoluted-laminated ash tuff	2.49
D-127-95	21.2	0.065	11.10	LBT	K-altered matrix-supported tuff breccia (Ag veinlets)	2.36
	62.9	0.082	0.17	LBT	K-altered matrix-supported tuff breccia	2.36
	127.2	0.007	0.41	LBT	propylitized, stockworked planar-laminated ash tuff	2.61
	134.8	0.703	1.48	LBT	LST w/ clay-filled vugs	2.36
	148.2	0.448	8.90	LBT	LST / clay-matrix breccia w/ clay-filled vugs	2.21
D-128-95	69.8	0.122	0.64	LBT	heterolithic matrix-supported tuff breccia	2.34
	96.9	0.058	1.22	LBT	monolithic matrix-supported tuff breccia	2.42
	192.6	0.018	0.36	LBT	convoluted-laminated ash flow	2.50
	212.9	0.197	25.30	LBT	Ag-stockworked vfg foliated ash	2.56
	237.4	0.286	9.83	LBT	LST	2.43
D-131-95	160.5	n/a	n/a	LBT	stockworked, vugy, planar-laminated ash flow	2.37
	176.5	n/a	n/a	LBT	silicified, vugy, brecciated LST	2.49
	180.6	n/a	n/a	LBT	calcite-stockworked, vugy, brecciated LST	2.38
	195.5	n/a	n/a	LBT	vfg ash flow w/ vugy veins of calcite + sulfide + clay	2.48
					Average SG of all samples	2.43
					Average SG minus vugy samples	2.44
					Average SG of vugy samples	2.40