

Metallurgical Test Results Cerro Rojo Project

Fe Liberation at Varying Crush Sizes

Measure	(μm)	% Liberation
d ₉₀	78	90%
d ₈₀	102	80%
d ₇₀	121	70%
d ₆₀	137	60%
d ₅₀	153	50%
d ₄₀	170	40%
d ₃₀	187	30%

Comminution and Magnetic Separation Test Results 100 Mesh Size

Comminution 100% - Metallurgical Recovery Fe(T)				
MAG INTENSITY	% WEIGHT	% Fe	Fe cont	% dist Fe
500 GAUSS	13.56	67.10	9.10	16.61
1.000 GAUSS	0.67	66.43	0.45	0.82
2.000 GAUSS	30.69	65.05	19.97	36.45
4.000 GAUSS	12.16	64.89	7.89	14.40
8.000 GAUSS	14.89	59.82	8.91	16.26
16.000 GAUSS	6.46	52.07	3.36	6.14
TOTAL	78.44	63.33	49.67	90.68

150 Mesh Size

Comminution 100% - 150 mesh					
FRACTION	WEIGHT(g)	% WEIGHT	% Fe	Fe cont	% dist Fe
500 GAUSS	36.10	1.02	67.35	0.69	1.25
1.000 GAUSS	546.90	15.47	68.17	10.55	19.16
2.000 GAUSS	897.05	25.38	60.32	15.31	27.81
4.000 GAUSS	719.35	20.35	64.27	13.08	23.76
8.000 GAUSS	338.80	9.58	64.53	6.18	11.24
16.000 GAUSS	32.20	0.91	63.43	0.58	1.05
NOT MAGNETIC	964.50	27.29	31.71	8.65	15.72
TOTAL	3,534.90	100.00		55.04	100.00

Comminution 100% - Metallurgical Recovery Fe(T)				
MAG INTENSITY	% WEIGHT	% Fe	Fe cont	% dist Fe
500 GAUSS	1.02	67.35	0.69	1.25
1.000 GAUSS	15.47	68.17	10.55	19.16
2.000 GAUSS	25.38	60.32	15.31	27.81
4.000 GAUSS	20.35	64.27	13.08	23.76
8.000 GAUSS	9.58	64.53	6.18	11.24
16.000 GAUSS	0.91	63.43	0.58	1.05
TOTAL	72.71	63.79	46.38	84.28

200 Mesh Size

Comminution 100% - 200 mesh					
FRACTION	WEIGHT(g)	% WEIGHT	% Fe	Fe cont	% dist Fe
500 GAUSS	40.14	1.07	69.03	0.74	1.30
1.000 GAUSS	189.50	5.07	68.49	3.47	6.10
2.000 GAUSS	378.90	10.13	68.75	6.96	12.24
4.000 GAUSS	1,380.56	36.91	68.51	25.29	44.45
8.000 GAUSS	296.28	7.92	65.85	5.22	9.17
16.000 GAUSS	384.35	10.28	63.93	6.57	11.55
NOT MAGNETIC	1,070.73	28.63	30.18	8.64	15.19
TOTAL	3,740.45	100.00		56.89	100.00

Comminution 100% - Metallurgical Recovery Fe (T)				
MAG INTENSITY	% WEIGHT	% Fe	Fe cont	% dist Fe
500 GAUSS	1,07	69,03	0,74	1,30
1.000 GAUSS	5,07	68,49	3,47	6,10
2.000 GAUSS	10,13	68,75	6,96	12,24
4.000 GAUSS	36,91	68,51	25,29	44,45
8.000 GAUSS	7,92	65,85	5,22	9,17
16.000 GAUSS	10,28	63,93	6,57	11,55
TOTAL	71.37	67.60	48.25	84.81

Sample Location Map

