

Model Description (max 64 characters) : *GRUM 9110 (6 m benches -- Pigage / Reed Interpretation)*
 Easting coordinate of model bottom left hand corner : 2234.37
 Northing coordinate of model bottom left hand corner : 5419.88
 Easting coordinate of model top right hand corner : 3202.11
 Northing coordinate of model top right hand corner : 7079.90
 Model rotation : 0.00
 Datum elevation of top of model : 1336.00
 Number of columns in model (max 128) : 127
 Number of rows in model (max 128) : 219
 Width of columns : 7.62
 Height of rows : 7.58

005095

Number of labels : 5 ; %Pb+Zn ; %Pb ; %Zn ; g/tnAG ; g/tnAu ;

Current Units are :

Linear : m
 Area : m**2
 Volumetric : bcm
 Density : tn/bcm
 Monetary : Cdn\$

BENCH	HEIGHT [m]	CREST ELEVATION [m]	TOE ELEVATION [m]	CREST DEPTH [m]	TOE DEPTH [m]	Description	Bottom Grid #
1	6.00	1336.00	1330.00	0.00	6.00	1330	0
2	6.00	1330.00	1324.00	6.00	12.00	1324	0
3	6.00	1324.00	1318.00	12.00	18.00	1318	0
4	6.00	1318.00	1312.00	18.00	24.00	1312	0
5	6.00	1312.00	1306.00	24.00	30.00	1306	0
6	6.00	1306.00	1300.00	30.00	36.00	1300	0
7	6.00	1300.00	1294.00	36.00	42.00	1294	0
8	6.00	1294.00	1288.00	42.00	48.00	1288	0
9	6.00	1288.00	1282.00	48.00	54.00	1282	0
10	6.00	1282.00	1276.00	54.00	60.00	1276	0
11	6.00	1276.00	1270.00	60.00	66.00	1270	0
12	6.00	1270.00	1264.00	66.00	72.00	1264	0
13	6.00	1264.00	1258.00	72.00	78.00	1258	0
14	6.00	1258.00	1252.00	78.00	84.00	1252	0
15	6.00	1252.00	1246.00	84.00	90.00	1246	0
16	6.00	1246.00	1240.00	90.00	96.00	1240	0
17	6.00	1240.00	1234.00	96.00	102.00	1234	0
18	6.00	1234.00	1228.00	102.00	108.00	1228	0
19	6.00	1228.00	1222.00	108.00	114.00	1222	0
20	6.00	1222.00	1216.00	114.00	120.00	1216	0
21	6.00	1216.00	1210.00	120.00	126.00	1210	0
22	6.00	1210.00	1204.00	126.00	132.00	1204	0
23	6.00	1204.00	1198.00	132.00	138.00	1198	0
24	6.00	1198.00	1192.00	138.00	144.00	1192	0
25	6.00	1192.00	1186.00	144.00	150.00	1186	0
26	6.00	1186.00	1180.00	150.00	156.00	1180	0

27	6.00	1180.00	1174.00	156.00	162.00	1174	0
28	6.00	1174.00	1168.00	162.00	168.00	1168	0
29	6.00	1168.00	1162.00	168.00	174.00	1162	0
30	6.00	1162.00	1156.00	174.00	180.00	1156	0
31	6.00	1156.00	1150.00	180.00	186.00	1150	0
32	6.00	1150.00	1144.00	186.00	192.00	1144	0
33	6.00	1144.00	1138.00	192.00	198.00	1138	0
34	6.00	1138.00	1132.00	198.00	204.00	1132	0
35	6.00	1132.00	1126.00	204.00	210.00	1126	0
36	6.00	1126.00	1120.00	210.00	216.00	1120	0
37	6.00	1120.00	1114.00	216.00	222.00	1114	0
38	6.00	1114.00	1108.00	222.00	228.00	1108	0
39	6.00	1108.00	1102.00	228.00	234.00	1102	0
40	6.00	1102.00	1096.00	234.00	240.00	1096	0
41	6.00	1096.00	1090.00	240.00	246.00	1090	0
42	6.00	1090.00	1084.00	246.00	252.00	1084	0
43	6.00	1084.00	1078.00	252.00	258.00	1078	0
44	6.00	1078.00	1072.00	258.00	264.00	1072	0
45	6.00	1072.00	1066.00	264.00	270.00	1066	0
46	6.00	1066.00	1060.00	270.00	276.00	1060	0
47	6.00	1060.00	1054.00	276.00	282.00	1054	0
48	6.00	1054.00	1048.00	282.00	288.00	1048	0
49	6.00	1048.00	1042.00	288.00	294.00	1042	0
50	6.00	1042.00	1036.00	294.00	300.00	1036	0
51	6.00	1036.00	1030.00	300.00	306.00	1030	0
52	6.00	1030.00	1024.00	306.00	312.00	1024	0
53	6.00	1024.00	1018.00	312.00	318.00	1018	0
54	6.00	1018.00	1012.00	318.00	324.00	1012	0
55	6.00	1012.00	1006.00	324.00	330.00	1006	0
56	6.00	1006.00	1000.00	330.00	336.00	1000	0
57	6.00	1000.00	994.00	336.00	342.00	994	0
58	6.00	994.00	988.00	342.00	348.00	988	0
59	6.00	988.00	982.00	348.00	354.00	982	0
60	6.00	982.00	976.00	354.00	360.00	976	0
61	6.00	976.00	970.00	360.00	366.00	970	0
62	6.00	970.00	964.00	366.00	372.00	964	0
63	6.00	964.00	958.00	372.00	378.00	958	0
64	6.00	958.00	952.00	378.00	384.00	952	0
65	6.00	952.00	946.00	384.00	390.00	946	0
66	6.00	946.00	940.00	390.00	396.00	940	0
67	6.00	940.00	934.00	396.00	402.00	936	0
68	6.00	934.00	928.00	402.00	408.00	928	0
69	6.00	928.00	922.00	408.00	414.00	922	0
70	6.00	922.00	916.00	414.00	420.00	916	0

Detailed Listing for Rock Type # [1]

Rock Type Description : NONCALCAREOUS PHYLLITE

Rock Code : 20 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [2]

Rock Type Description : NONCALCAREOUS BIOTITE-MUSCOVITE-ANDALUSITE SCHIST
Rock Code : 22 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [3]

Rock Type Description : CARBONACEOUS PHYLLITE
Rock Code : 30 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [4]

Rock Type Description : MARBLE

Rock Code : 32 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [5]

Rock Type Description : CALCAREOUS PHYLLITE

Rock Code : 40 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [6]

Rock Type Description : GREENSTONE

Rock Code : 48 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn

Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000

Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [7]

Rock Type Description : ALTERED PHYLLITE

Rock Code : 56 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn

Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000

Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [8]

Rock Type Description : WASTE - UNDIFFERENTIATED PHYLLITE
 Rock Code : 77 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [9]

Rock Type Description : OVERBURDEN - UNDIFFERENTIATED
 Rock Code : 82 Density : 2.2000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Waste Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [10]

Rock Type Description : AIR

Rock Code : 99 Density : 0.0000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Air Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 0.0000 - S/pile Waste : 0.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [11]

Rock Type Description : CARBONACEOUS QUARTZITE

Rock Code : 2 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [12]

Rock Type Description : NONCARBONACEOUS QUARTZITE
Rock Code : 3 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [13]

Rock Type Description : PYRITIC MASSIVE SULPHIDES
Rock Code : 5 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [14]

Rock Type Description : BARITIC MASSIVE SULPHIDES

Rock Code : 7 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [15]

Rock Type Description : QUARTZITES - DISSEMINATED SULPHIDES

Rock Code : 12 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [16]

Rock Type Description : MIXED QUARTZITES AND MASSIVE SULPHIDES

Rock Code : 15 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00

East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000

Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn

Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000

Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [17]

Rock Type Description : MASSIVE PYRITIC AND BARITIC SULPHIDES

Rock Code : 18 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00

East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000

Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn

Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000

Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [18]

Rock Type Description : CARBONACEOUS QTZITE - LOWER MAIN HORIZON
 Rock Code : 102 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [19]

Rock Type Description : NONCARBONACEOUS QTZITE - LOWER MAIN HORIZON
 Rock Code : 103 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [20]

Rock Type Description : PYRITIC MASSIVE SULPHIDES - LOWER MAIN HORIZON
Rock Code : 105 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [21]

Rock Type Description : BARITIC MASSIVE SULPHIDES - LOWER MAIN HORIZON
Rock Code : 107 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [22]

Rock Type Description : QUARTZITE (DISSEMINATED SULPHIDES) - LOWER MAIN HORIZON
Rock Code : 112 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [23]

Rock Type Description : MIXED QTZITES AND SULPHIDES - LOWER MAIN HORIZON
Rock Code : 115 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [24]

Rock Type Description : MASSIVE SULPHIDES - LOWER MAIN HORIZON
Rock Code : 118 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [25]

Rock Type Description : CARBONACEOUS QUARTZITE - UPPER MAIN HORIZON
Rock Code : 202 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [26]

Rock Type Description : NONCARBONACEOUS QUARTZITE - UPPER MAIN HORIZON
 Rock Code : 203 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [27]

Rock Type Description : PYRITIC MASSIVE SULPHIDES - UPPER MAIN HORIZON
 Rock Code : 205 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [28]

Rock Type Description : BARITIC MASSIVE SULPHIDES - UPPER MAIN HORIZON
 Rock Code : 207 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [29]

Rock Type Description : QTZITES (DISSEMINATED SULPHIDES) - UPPER MAIN HORIZON
 Rock Code : 212 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [30]

Rock Type Description : MIXED QTZITE AND MASSIVE SULPHIDES - UPPER MAIN HORIZON
Rock Code : 215 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [31]

Rock Type Description : MASSIVE SULPHIDES - UPPER MAIN HORIZON
Rock Code : 218 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [32]

Rock Type Description : CARBONACEOUS QUARTZITE - UPPER HORIZON
 Rock Code : 302 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [33]

Rock Type Description : NONCARBONACEOUS QUARTZITE - UPPER HORIZON
 Rock Code : 303 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [34]

Rock Type Description : PYRITIC MASSIVE SULPHIDES - UPPER HORIZON
 Rock Code : 305 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [35]

Rock Type Description : BARITIC MASSIVE SULPHIDES - UPPER HORIZON
 Rock Code : 307 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [36]

Rock Type Description : QTZITES (DISSEMINATED SULPHIDES) - UPPER HORIZON
 Rock Code : 312 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [37]

Rock Type Description : MIXED QTZITES AND MASSIVE SULPHIDES - UPPER HORIZON
 Rock Code : 315 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [38]

Rock Type Description : MASSIVE SULPHIDES - UPPER HORIZON
 Rock Code : 318 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [39]

Rock Type Description : CARBONACEOUS QUARTZITE - CHAMP HORIZON
 Rock Code : 402 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [40]

Rock Type Description : NONCARBONACEOUS QUARTZITE - CHAMP HORIZON
Rock Code : 403 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [41]

Rock Type Description : PYRITIC MASSIVE SULPHIDES - CHAMP HORIZON
Rock Code : 405 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [42]

Rock Type Description : BARITIC MASSIVE SULPHIDES - CHAMP HORIZON
 Rock Code : 407 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [43]

Rock Type Description : QTZITES (DISSEMINATED SULPHIDES) - CHAMP HORIZON
 Rock Code : 412 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [44]

Rock Type Description : MIXED QTZITES AND MASSIVE SULPHIDES - CHAMP HORIZON
Rock Code : 415 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [45]

Rock Type Description : MASSIVE SULPHIDES - CHAMP HORIZON
Rock Code : 418 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [46]

Rock Type Description : CARBONACEOUS QUARTZITE - UPRIGHT PANEL
 Rock Code : 502 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [47]

Rock Type Description : NONCARBONACEOUS QUARTZITE
 Rock Code : 503 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [48]

Rock Type Description : PYRITIC MASSIVE SULPHIDES - UPRIGHT PANEL
 Rock Code : 505 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [49]

Rock Type Description : BARITIC MASSIVE SULPHIDES
 Rock Code : 507 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [50]

Rock Type Description : QTZITES (DISSEMINATED SULPHIDES) - UPRIGHT PANEL

Rock Code : 512 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [51]

Rock Type Description : MIXED QTZITES AND MASSIVE SULPHIDES - UPRIGHT PANEL

Rock Code : 515 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [52]

Rock Type Description : MASSIVE SULPHIDES - UPRIGHT PANEL

Rock Code : 518 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [53]

Rock Type Description : CARBONACEOUS QUARTZITE - GNOME'S CAP

Rock Code : 602 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [54]

Rock Type Description : NONCARBONACEOUS QUARTZITE - GNOME'S CAP
 Rock Code : 603 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [55]

Rock Type Description : PYRITIC MASSIVE SULPHIDES - GNOME'S CAP
 Rock Code : 605 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [56]

Rock Type Description : BARITIC MASSIVE SULPHIDES - GNOME'S CAP
Rock Code : 607 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [57]

Rock Type Description : QTZITES (DISSEMINATED SULPHIDES) - GNOME'S CAP
Rock Code : 612 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [58]

Rock Type Description : MIXED QTZITES AND MASSIVE SULPHIDES - GNOME'S CAP
Rock Code : 615 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [59]

Rock Type Description : MASSIVE SULPHIDES - GNOME'S CAP
Rock Code : 618 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [60]

Rock Type Description : CARBONACEOUS QUARTZITE - 08N
 Rock Code : 702 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [61]

Rock Type Description : NONCARBONACEOUS QUARTZITE - L08N
 Rock Code : 703 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [62]

Rock Type Description : PYRITIC MASSIVE SULPHIDES - L08N
 Rock Code : 705 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [63]

Rock Type Description : BARITIC MASSIVE SULPHIDES - L08N
 Rock Code : 707 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
 East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
 Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
 Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
 Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [64]

Rock Type Description : QTZITES (DISSEMINATED SULPHIDES) - L08N
Rock Code : 712 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [65]

Rock Type Description : MIXED QTZITES AND MASSIVE SULPHIDES - L08N
Rock Code : 715 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00
East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000
Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn
Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000
Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Detailed Listing for Rock Type # [66]

Rock Type Description : MASSIVE SULPHIDES - L08N

Rock Code : 718 Density : 2.7000 Status : Live Pen Color : (0) Black

Slope Angles

North-West : 45.00 North : 45.00 North-East : 45.00 West : 45.00

East : 45.00 South-West : 45.00 South : 45.00 South-East : 45.00

Mining Costs

Blasting Cost : 0.0000 Loading Cost : 0.0000 Fixed Hauling Cost : 0.0000

Drilling Cost : 0.0000 Mining Services Cost : 0.0000

Metallurgical Properties

Material Type : Ore Primary Mineral : %Pb+Zn

Cut-Off Grades for Primary Mineral - Ore-S/pile : 3.0000 - S/pile Waste : 4.0000

Recovery Factors (Percentage) - %Pb+Zn : 100.00 %Pb : 100.00 %Zn : 100.00 g/tnAG : 100.00 g/tnAu : 100.00

Scale factors are :

Grade Model Scale Factor for %Pb+Zn : 1000
Grade Model Scale Factor for %Pb : 1000
Grade Model Scale Factor for %Zn : 1000
Grade Model Scale Factor for g/tnAG : 100
Grade Model Scale Factor for g/tnAu : 1000

Density Model Scale Factor : 1000
Variance Model Scale Factor : 1000
Economic Model Scale Factor : 100
Surface Elevation Grid Model Scale Factor : 10

Contouring factors are :

Smoothing Factor : 2
Tension Factor : 5
Number of Decimal Places in Contour Labels : 1
Mine Model Type : Open Pit
Printer Port : LPT1
