

PROPERTY: Mt. Anderson
HOLE NO.: MA-85-1
BEARING: 190 deg
DIP-COLLAR: -45 deg

MORANDA EXPLORATION COMPANY LIMITED
STARTED: Sept. 24/85
FINISHED: Sept. 24/85
LENGTH: 60.1 metres
CORE SIZE: NO

FIELD CO-ORDINATES
L 29+75 E
20+78N

DIP TESTS
Bearing 190 deg
Dip -50 deg
Depth 60 m

M.T.S. 105 D/4
PROJECT NO. 611
LOGGED BY: M. Webster/B. Thosae
SHEET 1 of 3

METRES			Reco- l very %	DESCRIPTION OF UNITS	Mineraliza- tion	Sample No.	METRES			ASSAYS					
From	To						From	To	Lgth	Au	Ag	Pb	Zn	Cu	As
01	7.31			OVERBURDEN											
7.31	7.61	~95		IGRANODIORITE: F.g. to s.g., K-spar rich interval 35-160%, chloritized hornblende 25%; plagioclase 10%; quartz 10%. Epidote alteration and sericitic. Moderately magnetic.											
7.61	11.91	100		IGRANODIORITE: C.g.; Plagioclase ~30%; Quartz ~25%; Hb. (unaltered 15%, altered 20%); K-spar 10%; saussureite along fracture surfaces, chloritized Hb's throughout strongly magnetic. Magnetite appears to be concentrated with euhedral coarser grained Hb crystals. Moderately high fracture density mainly 25 deg from core vertical = orientation. Extensively chloritized zone @ 10.5-11.3 m. Hematite stain (powdery red) and goethite on fracture and slickensided surfaces.											
11.91	12.11			IDIORITE: Very chloritized, epidote alteration and sericitization to some degree. Strongly magnetic. Contains <5% Qtz; 10-15% Plag; Hb's mainly chloritized.											
12.11	12.81			IGRANODIORITE: Epidote on fracture surfaces. Minor calcite veinlets (stringers).											
12.81	12.91			IDIORITE: F.g., chloritized, epidote altered.											
12.91	15.81			IGRANODIORITE: C.g.; ~35% Plag; 25% Qtz; 40% chloritic Hb's; <5% K-spar. Chlorite and epidote veinlets locally. Minor calcite veining. Strongly magnetic. Local goethite, hematite, limonitic alteration. Some clay alteration (white). Fractures at 14.6-14.8 m, 15.1-15.8 m		96276	14.6	15.2	.61	40	.21	24	58	8	422
15.81	15.91			IDIORITE: F.g., extensive chlorite alteration, hematite staining, rusty brown alteration. Strongly magnetic.											
15.91	24.41			IGRANODIORITE: C.g. with 3-4 cm intervals of intensive chlorite alteration. Plagioclase sericitic. Rusty yellow brown alteration. Chloritic hornblende. Local calcite stringers. Jarosite alt'n, hematite alt'n. 21.9 m: quartz stringer bearing minor galena/alt. .5 cm width. Alteration - hematite, goethite; sericitized and chloritized extensively throughout, epidote alt'n.		96277	21.9	22.1	.21	10	.41	38	60	6	98
24.41	25.31			IGRANODIORITE TO QUARTZ DIORITE: Chloritic, c. gr., moderate sericitic alt'n, pyrite dissemin. along fracture surfaces.		96278	24.4	25.3	.91	10	.21	22	58	6	84

METRES			DESCRIPTION OF UNITS	Mineraliza- tion	Sample No.	METRES			ASSAYS					
From	To	Reco- very %				From	To	LGth	Au	Ag	Pb	Zn	Cu	As
25.31	30.81		IGRANODIORITE TO DIORITE: C.g., chloritic, calcite stringers throughout. Chlorite and minor epidote concentrated on fracture surfaces. Clay and sericite alt'n. Trace py. Hematite alt'n on fracture surfaces. Strongly magnetic.	2% py	96279	30.25	31.4	1.15	20	.2	50	60	6	28
30.81	33.56		ISHEAR ZONE: Dark green, c.g. granodiorite? Moderately magnetic. Fractures and slickensides throughout.	3-5% py on fractures	96280	32.5	33	.5	10	.2	16	62	14	28
33.56	33.81		IFAULT ZONE: Very broken up, clay and chlorite alt'n, clay gouge.	Trace py										
33.81	37.81		IGRANODIORITE: C.g., extensively altered (chlorite and sericite). Minor hematite alt'n. Abundant calcite stringers. Magnetic.	Trace py										
37.81	38.61		IGRANODIORITE: Shear zone at ~38.4-38.8 m, 20 deg. Pyritic along slickensides, chloritic. Sample at 37.8-38.4 chloritic, sericitic, c. gr. granodiorite-qtz diorite. Goethite and hematite alt'n. Strongly magnetic.		96281	37.8	38.4	.6	10	.2	28	60	6	26
38.61	39.31		ISHEAR ZONE: Grey, green powdery clay alteration.	Py cubic for in stringers & on fracture surfaces ~1%	96282	38.4	48.8	.4	70	.4	14	62	4	34
39.31	49.21		IBrecciated, altered-chlorite, saussurite; abundant shears-slickensides. Calcite veins throughout (.5 cm. Very broken up. Moderately chloritic granodiorite, c.g. diorite intervals. Stringer pyrite and dissen. (especially on fractures). Abundant siliceous intervals. Clay (grey-green) present in shear zone areas.	Massive sulphide lens, py, pyrrhotite?										
			ISiliceous zone in chloritic granodiorite interval. Lens of galena, pyrite, finely dissen. and local blotches.		96283	39.6	40	.4	60	2.4	10	68	16	16
			IDIORITE: Chlorite altered, sericitic. Galena & py crystals with quartz veinlet (.15 cm.	5% py, up to 1-2% Ga, poss. pyrrhotite (disse. & frac)	96284	42.1	43	.9	20	7.0	1920	3100	134	26
			IGranodiorite chloritic. Dissem. sulphides throughout. ISilicified and sericitic to some degree. Minor fractures filled with py and possibly galena.	Py 10% local Ga 1%	96285	43	43.6	.6	10	2.0	64	264	34	18
			IGranodiorite chloritic, slickensided siliceous, clay altered. Mainly fracture py.	Py cubes & minor Ga, 1-2% each	96286	44.95	45.75	.8	20	.6	26	70	14	18

[illegible]