

HoleID	From	To	Rocktype	interval	recovered	%rec	colour	%py	%chl	type1	veins/meter	sericite
LMD01	0.00	1.30	slope deposit	1.30	0.60	46	white-purple					
LMD01	1.30	2.50	slope deposit	1.20	0.60	50	white-purple					
LMD01	2.50	3.10	slope deposit	0.60	0.20	33	white-purple					
LMD01	3.10	3.50	slope deposit	0.40	0.20	50	white-purple					
LMD01	3.50	4.50	slope deposit	1.00	0.30	30	white-purple					
LMD01	4.50	5.50	slope deposit	1.00	0.40	40	white-purple					
LMD01	5.50	6.00	slope deposit	0.50	0.35	70	white-purple					
LMD01	6.00	7.10	slope deposit	1.10	0.00	0	white-purple					
LMD01	7.10	8.50	slope deposit	1.40	0.35	25	white-purple					
LMD01	8.50	9.10	slope deposit	0.60	0.10	17	white-purple					
LMD01	9.10	9.80	slope deposit	0.70	0.60	86	white-purple					
LMD01	9.80	10.30	slope deposit	0.50	0.50	100	white-purple					
LMD01	10.30	11.40	slope deposit	1.10	0.60	55	white-purple					
LMD01	11.40	12.10	slope deposit	0.70	0.50	71	white-purple					
LMD01	12.10	13.10	rhyl	1.00	0.40	40	white	present	present	several		present
LMD01	13.10	13.80	rhyl	0.70	0.45	64	white	present	present	several		present
LMD01	13.80	14.50	rhyl	0.70	0.70	100	white-pink	present	present	several		present
LMD01	14.50	15.60	rhyl	1.10	1.10	100	white-pink	present	present	several		present
LMD01	15.60	17.00	rhyl	1.40	1.30	93	white-pink	present	present	several		present
LMD01	17.00	17.60	rhyl	0.60	0.60	100	white-pink	present	present	several		present
LMD01	17.60	19.10	rhyl	1.50	1.06	71	white-pink	present	present	several		present
LMD01	19.10	20.50	rhyl	1.40	1.20	86	white-pink	present	present	several		present
LMD01	20.50	21.10	rhyl	0.60	0.07	12	white-pink	present	present	several		present
LMD01	21.10	22.10	rhyl	1.00	1.20	120	white-pink	present	present	several		present
LMD01	22.10	23.10	rhyl	1.00	1.20	120	white-pink	present	present	several		present
LMD01	23.10	24.40	rhyl	1.30	0.60	46	white-pink	present	present	several		present
LMD01	24.40	25.00	rhyl	0.60	0.56	93	white-pink	present	present	several		present
LMD01	25.00	26.80	rhyl	1.80	1.45	81	white-pink	present	present	several		present
LMD01	26.80	27.70	rhyl	0.90	1.10	122	white-pink	present	present	several		present
LMD01	27.70	29.50	rhyl	1.80	1.60	89	white-pink	present	present	several		present
LMD01	29.50	30.70	rhyl	1.20	1.15	96	white-pink	present	present	several		present
LMD01	30.70	32.50	rhyl	1.80	1.90	106	white-pink	present	present	several		present
LMD01A	0.00	2.50	slope deposit	2.50	0.80	32	white-purple	absent	absent	absent		absent
LMD01A	2.50	3.00	slope deposit	0.50	0.40	80	white-purple	absent	absent	absent		absent

LMD01A	3.00	5.50 slope deposit	2.50	0.50	20 white-purple	absent	absent	absent	absent
LMD01A	5.50	6.40 slope deposit	0.90	0.40	44 white-purple	absent	absent	absent	absent
LMD01A	6.40	7.70 slope deposit	1.30	1.30	100 white-purple	absent	absent	absent	absent
LMD01A	7.70	8.50 slope deposit	0.80	0.50	63 white-purple	absent	absent	absent	absent
LMD01A	8.50	9.40 slope deposit	0.90	0.20	22 white-purple	absent	absent	absent	absent
LMD01A	9.40	10.70 slope deposit	1.30	0.40	31 white-purple	absent	absent	absent	absent
LMD01A	10.70	11.50 slope deposit	0.80	0.05	6 white-purple	absent	absent	absent	absent
LMD01A	11.50	12.10 slope deposit	0.60	0.30	50 white-purple	absent	absent	absent	absent
LMD01A	12.10	12.50 rhyl	0.40	0.25	62 white-red-brown		2 present	several	present
LMD01A	12.50	13.20 rhyl	0.70	0.15	21 white-red-brown		2 present	several	present
LMD01A	13.20	14.50 rhyl	1.30	1.00	77 white-red-brown		2 present	several	present
LMD01A	14.50	16.10 rhyl	1.60	1.35	84 white-red-brown		2 present	several	present
LMD01A	16.10	17.20 rhyl	1.10	1.40	127 white-red-brown		2 present	several	present
LMD01A	17.20	18.40 rhyl	1.20	1.20	100 white-red-brown		2 present	several	present
LMD01A	18.40	19.50 rhyl	1.10	1.10	100 white-red-brown		2 present	several	present
LMD01A	19.50	20.50 rhyl	1.00	1.00	100 white-red-brown		2 present	several	present
LMD01A	20.50	23.10 rhyl	2.60	2.20	85 white-red-brown		2 present	several	present
LMD01A	23.10	26.50 rhyl	3.40	3.40	100 white-red-brown		2 present	several	present
LMD01A	26.50	30.70 rhyl	4.20	4.20	100 white-red-brown		3 present	several	present
LMD01A	30.70	32.45 rhyl	1.75	1.75	100 white-red-brown		3 present	several	present
LMD01A	32.45	35.50 rhyl	3.05	3.05	100 pink		3 present	several	present
LMD01A	35.40	37.10 rhyl	1.70	1.20	71 pink		2 present	several	present
LMD01A	37.10	38.40 rhyl	1.30	1.10	85 pink		2 present	several	present
LMD01A	38.40	39.90 rhyl	1.50	1.55	103 pink		2 present	several	present
LMD01A	39.90	41.40 rhyl	1.50	1.35	90 pink		2 present	several	present
LMD01A	41.40	42.20 rhyl	0.80	0.84	105 pink		3 present	several	present
LMD01A	42.20	43.90 rhyl	1.70	1.40	82 grey		4 present	several	present
LMD01A	43.90	44.80 rhyl	0.90	1.00	111 grey-pink		2 present	several	present
LMD01A	44.80	46.70 rhyl	1.90	1.75	92 grey-pink		2 present	several	present
LMD01A	46.70	48.30 andesite	1.60	1.70	106 grey-green		0 present	several	present
LMD01A	48.30	50.30 andesite	2.00	1.70	85 grey-green		0 present	several	present
LMD01A	50.30	52.50 andesite	2.20	2.40	109 grey-green		0 present	several	present
LMD01A	52.50	54.70 andesite	2.20	2.10	95 grey-green		1 present	several	present
LMD01A	54.70	56.30 andesite	1.60	1.73	108 grey-green		1 present	several	present
LMD01A	56.30	58.80 rhyl	2.50	2.35	94 pink-grey-green		2 present	several	present
LMD01A	58.80	59.30 rhyl	0.50	0.80	160 pink-grey-green		3 present	several	present

LMD01A	59.30	61.50 rhyL	2.20	2.08	95 pink-grey-green	4 present several	present
LMD01A	61.50	63.30 rhyL	1.80	1.45	81 pink-grey-green	5 present several	present
LMD01A	63.30	64.50 rhyL	1.20	1.20	100 pink-grey-green	6 present several	present
LMD01A	64.50	65.70 rhyL	1.20	1.10	92 pink-grey-green	6 present several	present
LMD01A	65.70	67.10 rhyL	1.40	1.50	107 pink-grey-green	4 present several	present
LMD01A	67.10	68.10 rhyL	1.00	1.00	100 pink-grey	2 present several	present
LMD01A	68.10	70.00 rhyL	1.90	1.88	99 pink-grey	3 present several	present
LMD01A	70.00	71.10 rhyL	1.10	0.90	82 pink	4 present several	present
LMD01A	71.10	73.10 rhyL	2.00	1.90	95 pink	8 present several	present
LMD01A	73.10	74.10 rhyL	1.00	1.05	105 pink	5 present several	present
LMD01A	74.10	75.70 rhyL	1.60	1.90	119 pink	2 present several	present
LMD01A	75.70	77.10 rhyL	1.40	1.00	71 pink	8 present several	present
LMD01A	77.10	79.00 rhyL	1.90	1.80	95 pink	8 present several	present
LMD01A	79.00	82.00 rhyL	3.00	2.10	70 pink	4 present several	present
LMD01A	82.00	83.50 rhyL	1.50	1.35	90 pink	4 present several	present
LMD01A	83.50	86.50 rhyL	3.00	2.93	98 pink	8 present several	present
LMD01A	86.50	88.70 andesite	2.20	2.40	109 grey-green	5 present several	present
LMD01A	88.70	90.80 andesite	2.10	1.88	90 grey-green	3 present several	present
LMD01A	90.80	92.50 rhyL	1.70	1.75	103 pink	2 present several	present
LMD01A	92.50	94.30 rhyL	1.80	1.70	94 pink	2 present several	present
LMD01A	94.30	95.80 rhyL	1.50	1.60	107 pink	2 present several	present
LMD01A	95.80	98.00 rhyL	2.20	2.30	105 pink	3 present several	present
LMD01A	98.00	100.30 rhyL	2.30	1.90	83 pink	4 present several	present
LMD01A	100.30	101.20 rhyL	0.90	0.90	100 pink	5 present several	present
LMD01A	101.20	104.00 rhyL	2.80	2.75	98 pink	8 present several	present
LMD01A	104.00	105.40 rhyL	1.40	1.50	107 pink	5 present several	present
LMD01A	105.40	107.10 rhyL	1.70	1.85	109 pink	3 present several	present
LMD01A	107.10	109.60 rhyL	2.50	2.55	102 pink	2 5	3 present
LMD01A	109.60	112.40 rhyL	2.80	2.67	95 pink-grey-green	2 8	6 present
LMD01A	112.40	115.30 rhyL	2.90	2.80	97 pink	4 5	5 present
LMD01A	115.30	118.10 rhyL	2.80	2.90	104 pink	2 5	2 present
LMD01A	118.10	121.20 rhyL	3.10	3.25	105 pink	2 2	2 present
LMD01A	121.20	124.20 rhyL	3.00	3.08	103 pink	1 1	1 present
LMD01A	124.20	125.70 rhyL	1.50	1.45	97 pink	1 1	1 present
LMD01A	125.70	128.30 rhyL	2.60	2.60	100 pink	3 4	5 present
LMD01A	128.30	131.30 rhyL	3.00	2.40	80 pink	4 5	7 present

LMD01A	131.30	134.30 rhyL	3.00	2.84	95 pink	4	5	9 moderate
LMD01A	134.30	137.30 rhyL	3.00	3.00	100 pale-buff	3	3	6 moderate
LMD01A	137.30	139.10 rhyL	1.80	1.90	106 pale-buff	3	0	7 abundant
LMD01A	139.10	142.10 rhyL	3.00	2.65	88 pale-buff	1	0	2 abundant
LMD01A	142.10	144.90 rhyL	2.80	3.10	111 pale-buff	2	0	2 abundant
LMD01A	144.90	148.00 rhyL	3.10	2.95	95 pale-buff	2	0	2 abundant
LMD01A	148.00	151.00 rhyL	3.00	3.08	103 pale-buff	3	0	3 abundant
LMD01A	151.00	153.60 rhyL	2.60	2.68	103 pink	2	0	2 moderate
LMD01A	153.60	155.50 rhyL	1.90	1.70	89 pink	4	0	4 moderate
LMD01A	155.50	158.50 rhyL	3.00	3.04	101 pink-buff	3	0	3 moderate
LMD01A	158.50	160.70 rhyL	2.20	2.40	109 pink-buff	3	0	4 moderate
LMD01A	160.70	161.20 rhyL	0.50	0.50	100 pink-buff	3	0	4 moderate
LMD01A	161.20	161.70 rhyL	0.50	0.60	120 pink	2	0	2 moderate
LMD01A	161.70	162.50 rhyL	0.80	1.00	125 pink	2	0	2 moderate
LMD01A	162.50	167.60 rhyL	5.10	5.00	98 pink	3	0	1 moderate
LMD01A	167.60	169.70 rhyL	2.10	2.10	100 pink-buff	2	0	3 moderate
LMD01A	169.70	171.20 rhyL	1.50	1.55	103 pink-buff	2	0	3 moderate
LMD01A	171.20	174.20 andesite	3.00	3.00	100 green	2	10	4 present
LMD01A	174.20	176.00 rhyL	1.80	1.80	100 pink-green	4	8	5 present
LMD01A	176.00	177.30 rhyL	1.30	1.30	100 green-grey-pink	4	7	4 present
LMD01A	177.30	179.30 rhyL	2.00	1.90	95 green-grey-pink	3	3	4 present
LMD01A	179.30	182.30 rhyL	3.00	2.95	98 pink-buff	2	2	3 moderate
LMD01A	182.30	182.80 rhyL	0.50	0.35	70 pink-buff	2	2	3 moderate
LMD01A	182.80	185.50 rhyL	2.70	2.70	100 pink-buff	2	1	1 moderate
LMD01A	185.50	187.00 rhyL	1.50	1.60	107 pink-buff	2	1	1 moderate
LMD01A	187.00	189.60 rhyL	2.60	2.36	91 pink-buff	2	1	1 present
LMD01A	189.60	190.00 rhyL	0.40	0.35	87 pink-buff	2	1	1 present
LMD01A	190.00	190.70 rhyL	0.70	0.80	114 grey	2	2	1 present
LMD01A	190.70	192.50 rhyL	1.80	1.90	106 grey	2	2	1 present
LMD01A	192.50	193.80 rhyL	1.30	1.48	114 grey	1	3	2 present
LMD01A	193.80	195.50 rhyL	1.70	1.86	109 grey	1	8	2 present
LMD01A	195.50	197.50 rhyL	2.00	2.15	108 green-grey	2	5	2 present
LMD01A	197.50	200.10 rhyL	2.60	2.50	96 grey-green	2	5	2 present
LMD01A	200.10	202.50 rhyL	2.40	2.55	106 grey-green	2	5	2 present
LMD01A	202.50	205.60 rhyL	3.10	3.05	98 grey-green	2	4	3 moderate
LMD01A	205.60	207.10 rhyL	1.50	1.55	103 pink	2	1	2 moderate

LMD01A	207.10	210.10	rhyl	3.00	3.00	100	pink	3	0	2	moderate
LMD01A	210.10	213.20	rhyl	3.10	3.05	98	pink	1	1	4	moderate
LMD01A	213.20	215.80	rhyl	2.60	2.75	106	pink	1	1	2	moderate
LMD01A	215.80	217.80	rhyl	2.00	2.05	103	pink-grey	0	8	1	moderate
LMD01A	217.80	219.20	rhyl	1.40	1.50	107	buff	0	1	1	moderate
LMD01A	219.20	221.20	rhyl	2.00	2.25	113	buff	0	1	1	present
LMD01A	221.20	222.40	rhyl	1.20	1.50	125	pink-red	1	0	1	moderate
LMD01A	222.40	224.50	rhyl	2.10	2.20	105	pink-red	1	0	3	moderate
LMD01A	224.50	225.50	rhyl	1.00	1.45	145	pink-grey	1	1	1	moderate
LMD01A	225.50	227.20	rhyl	1.70	1.70	100	pink	1	1	3	moderate
LMD01A	227.20	229.30	rhyl	2.10	2.35	112	pink	1	5	4	moderate
LMD01A	229.30	229.90	rhyl	0.60	0.55	92	pink	3	5	3	moderate
LMD01A	229.90	231.73	cong	1.83	2.07	113	grey-brown	absent	absent	absent	absent
LMD01A	231.73	232.10	shale	0.37	0.37	100	grey-brown	absent	absent	absent	absent
LMD01A	232.10	233.80	cong	1.70	1.70	100	grey-brown	absent	absent	absent	absent
LMD01A	233.80	234.60	cong	0.80	0.80	100	grey	absent	absent	absent	absent
LMD01A	234.60	237.60	cong	3.00	2.97	99	grey	absent	absent	absent	absent
LMD01A	237.60	239.30	cong	1.70	1.62	95	grey	absent	absent	absent	absent
LMD01A	239.30	242.30	cong	3.00	2.92	97	grey	absent	absent	absent	absent

chalcopyrite galena

comment1

qtzite clast, c sst matrix

sheared fabric in qtzite clasts-mylonite
clast also chert, alt volcanics

10.1 - 10.3 white sheared alt volcs, 10.3-10.6 sand pebbles,
sand and gravel
altered volcanics, qtz-py-chl veins

bedding to core angle about 60
stockwork veins

stuck 9.30 am, then broke on the 23/11/2006, abandoned.

conglomerate pebbles in sst matrix

qtz-siderite+py vein 16.4 m sent for PETROLOGY
17.4 m S-prominent 84 to 215
prominent foliation to core axis about 40 degrees

some veins strongly chloritic
sericite well developed in cleavage

spotted with chl patches (3-5mm) allinged into cleavage

trace

trace

trace galena and chalcopyrite

patches

143.0 - 143.35 galena pervasive; 144.7 galena trace

red rock patches

fault zone 160.4 - 161.2

very broken

spotted rock

vughy qtz vein

distinct colour change, a little more pink to reddish slightly
more veins

Fault at 229.9, sharp with a grey clay pug 10cm.

End of hole

comment2

type 1 veins are white qtz + siderite, often also with chl. Typically 2-10mm thick.

HQ casing set at 12.0

HQ casing reamed to 12.5

HQ finally recovered, some NQ lost



change from NQ to LTK60

very broken with clay, sericite, pressure went up here

patches of chlorite in spots, but also with veins.

fine disseminated pyrite
veins cut at high angle by prominent cleavage

Lake Margaret Fault here = Great Lyell Fault (Noll and Hall 2005)