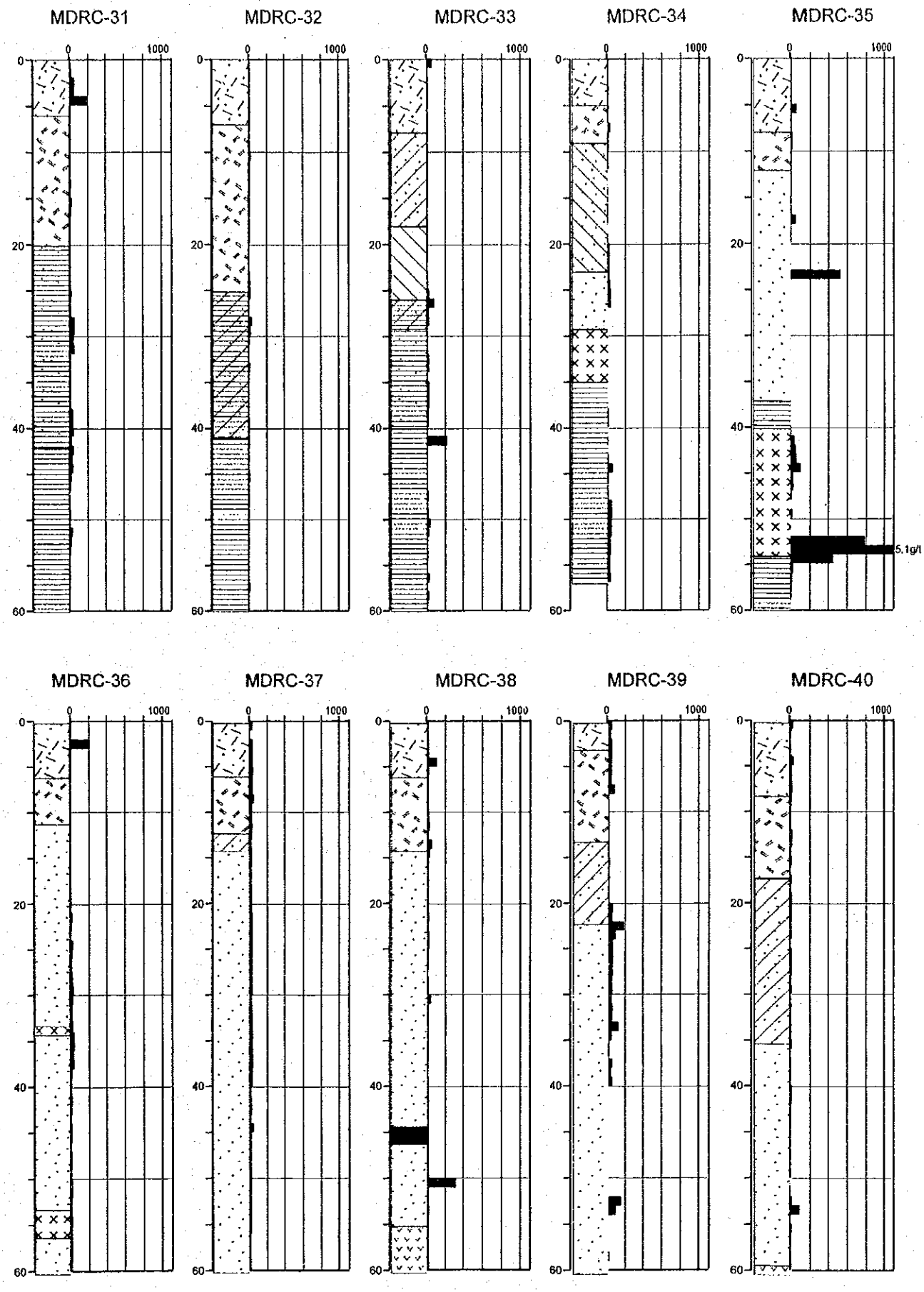
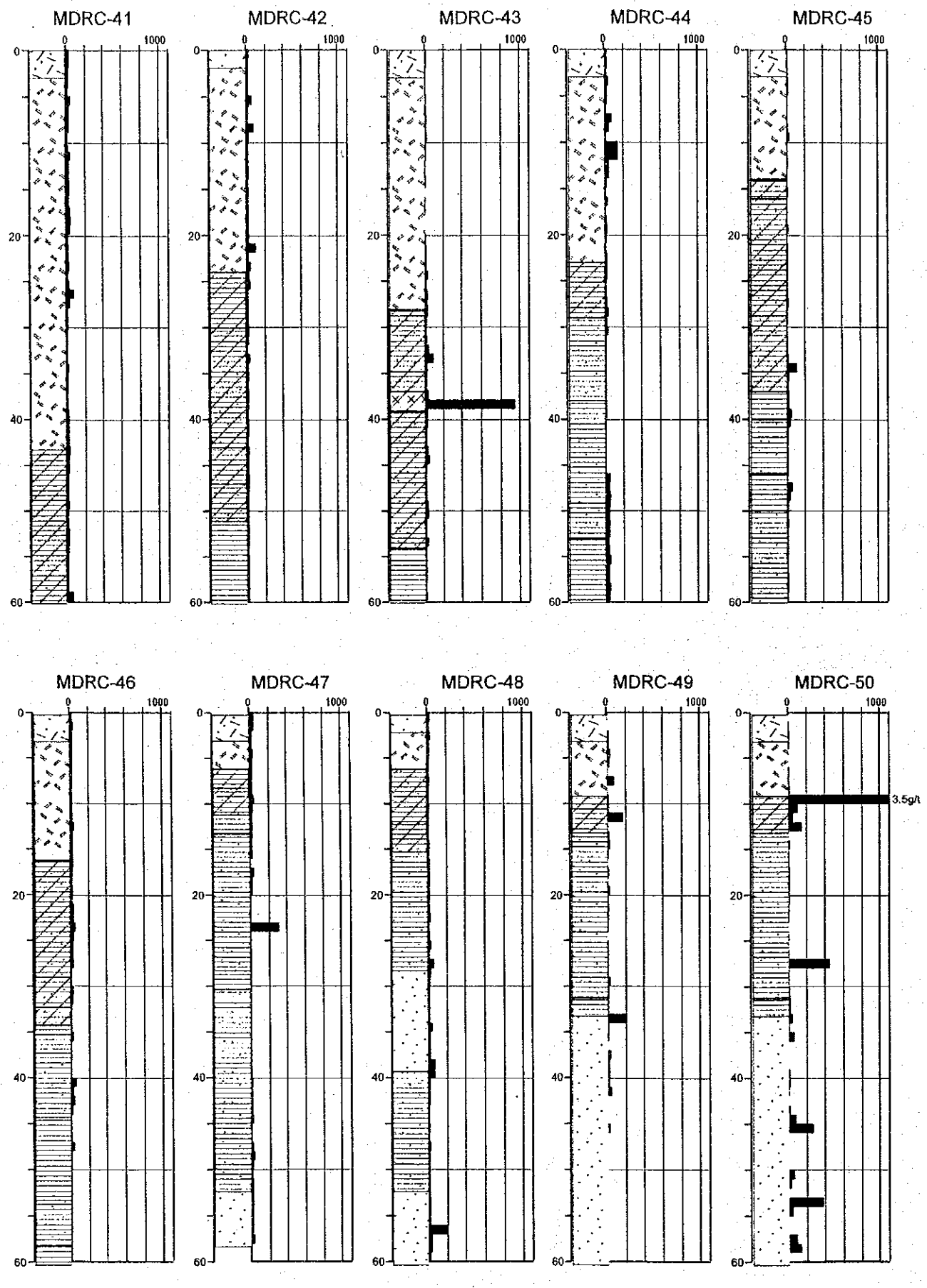
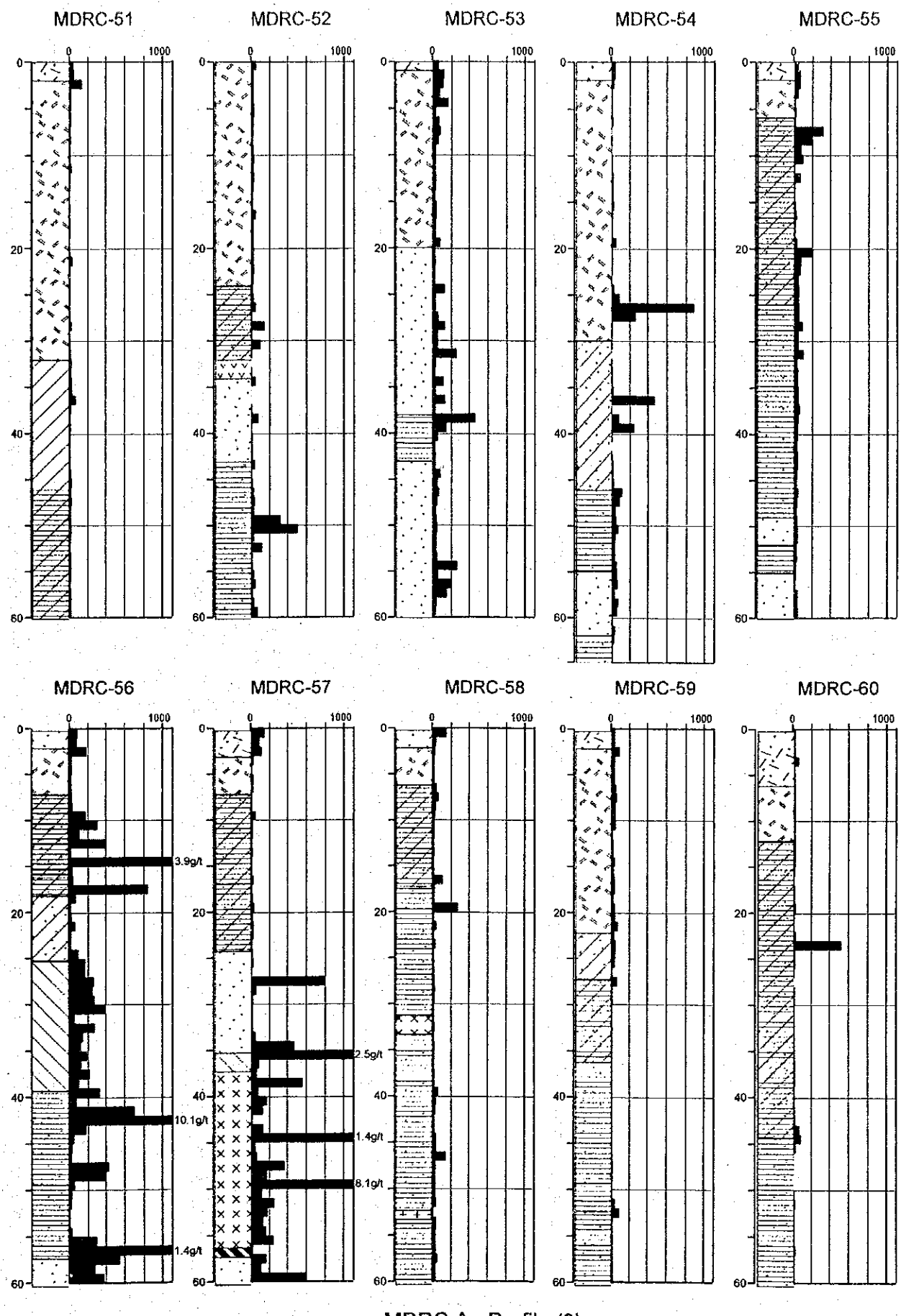
Ap. 4 Le profil de la concentration d'Au (RC)



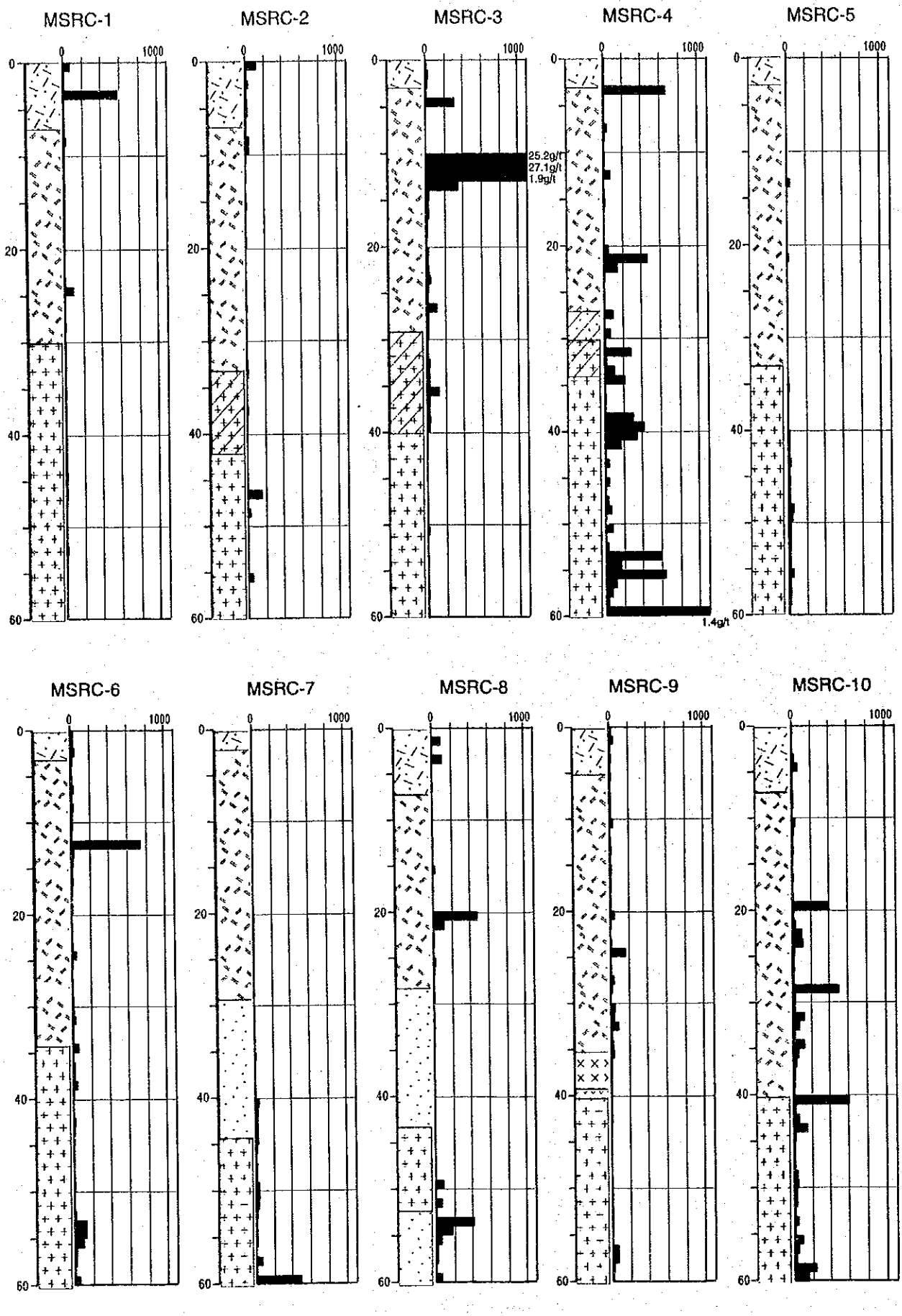
MDRC Au Profile (1)



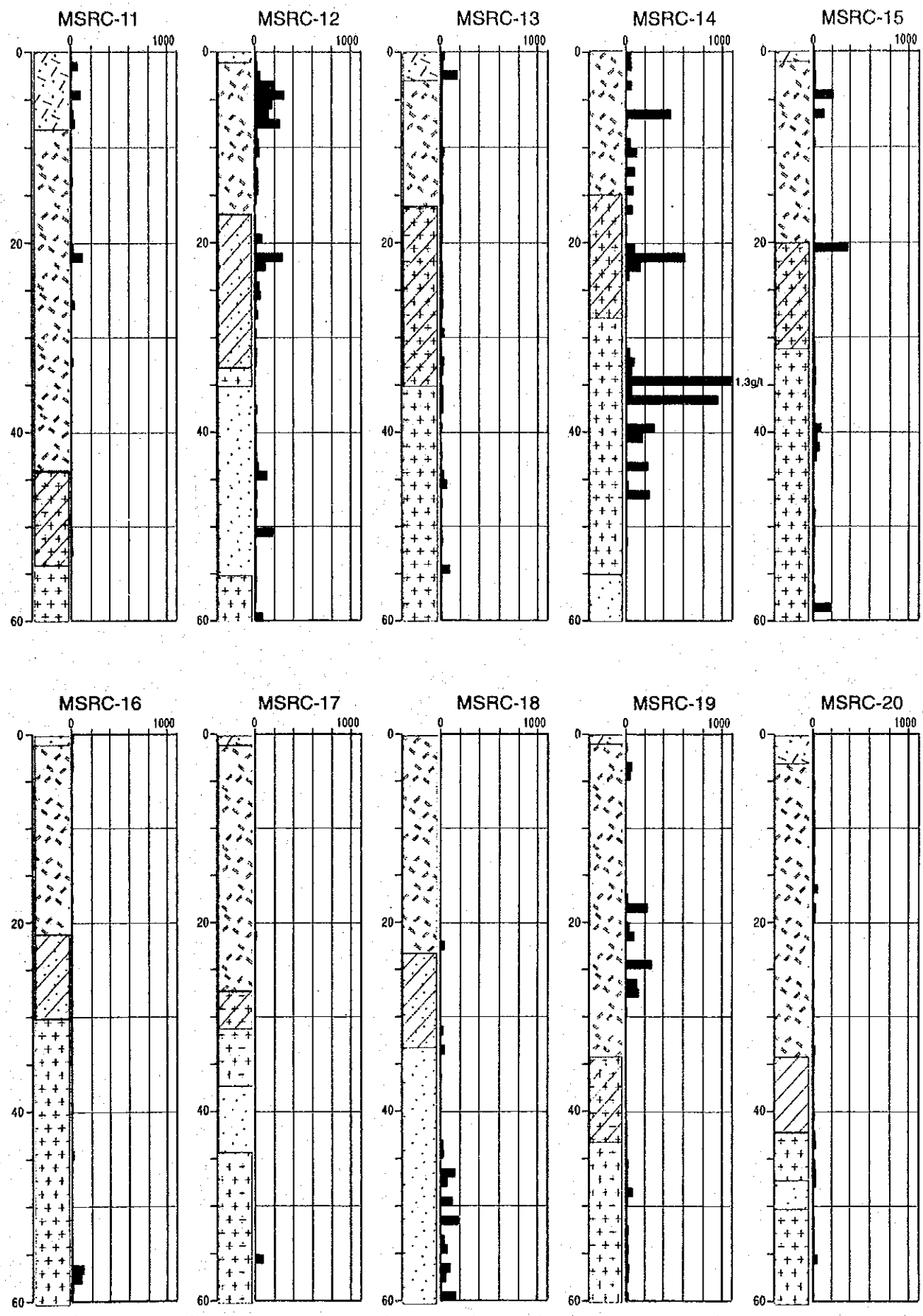
MDRC Au Profile (2)



MDRC Au Profile (3)



MSRC Au Profile (1)



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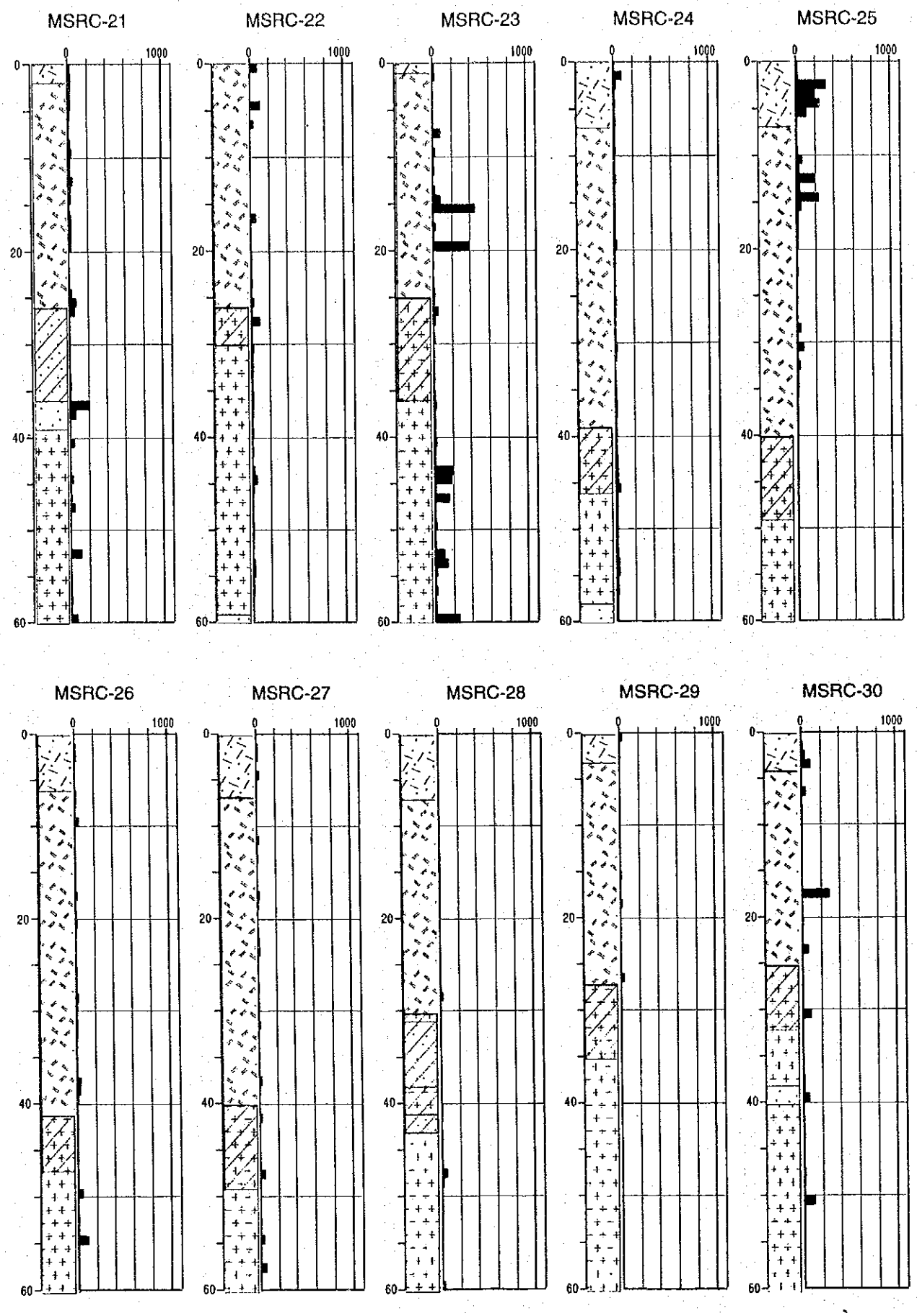
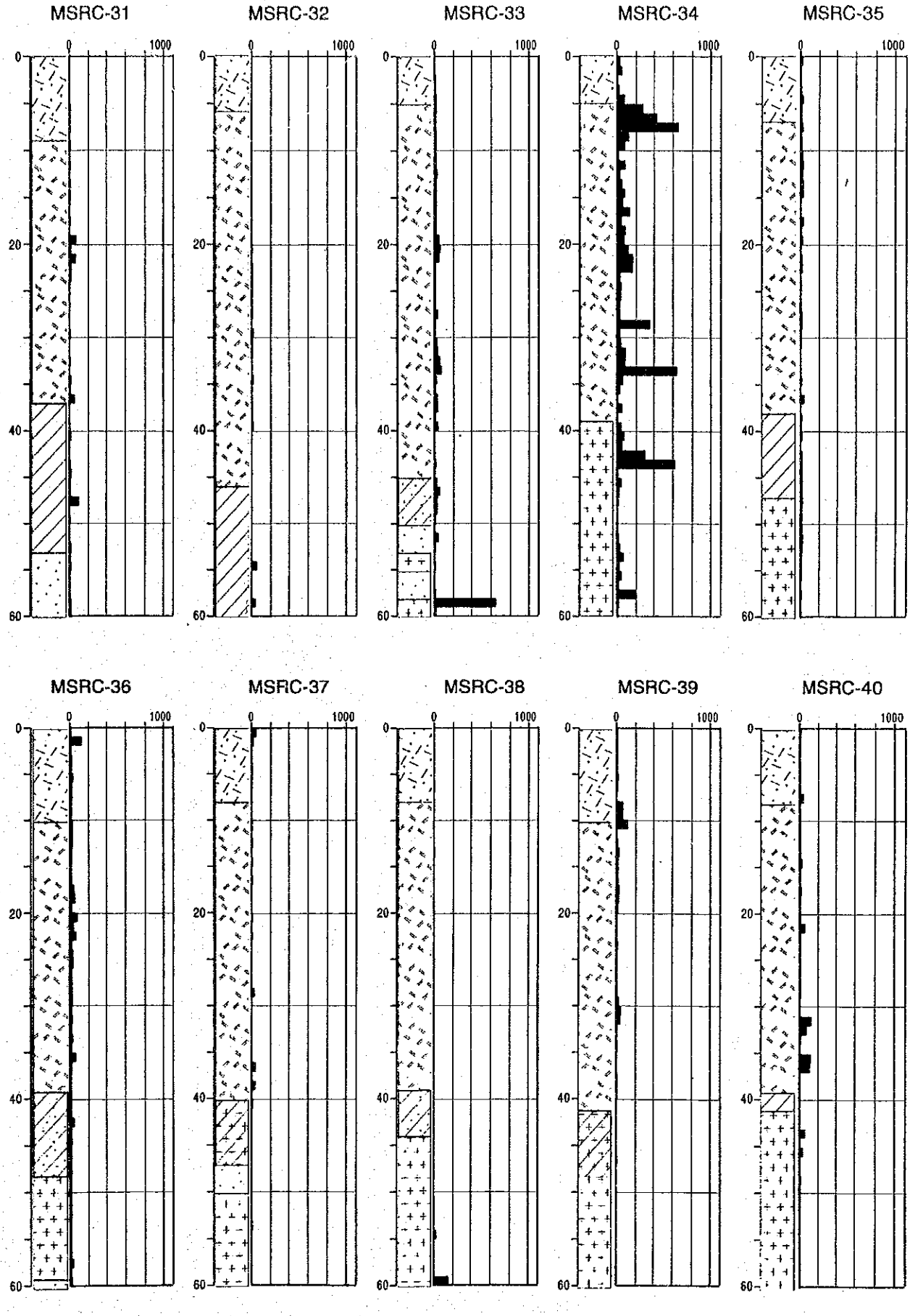
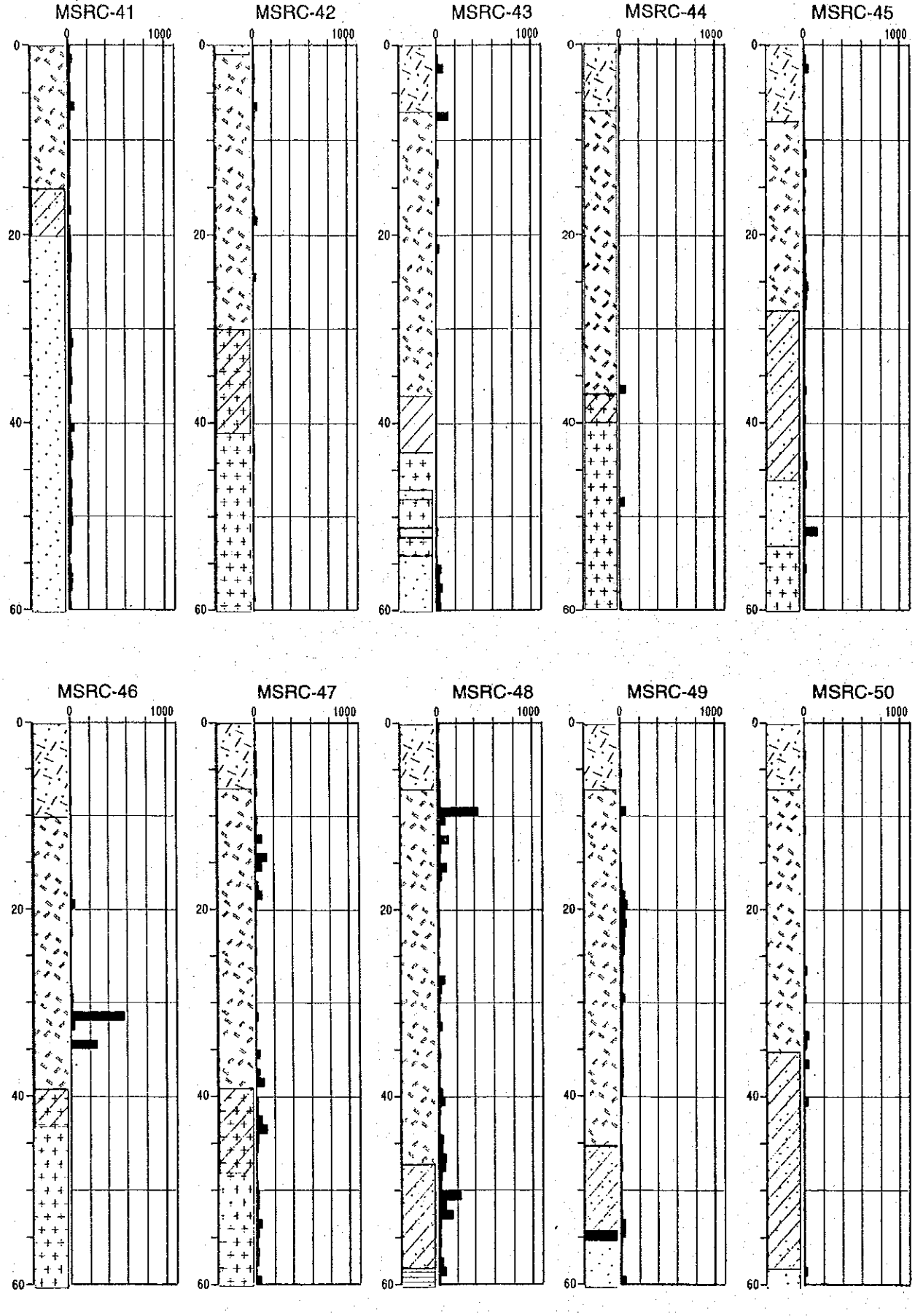


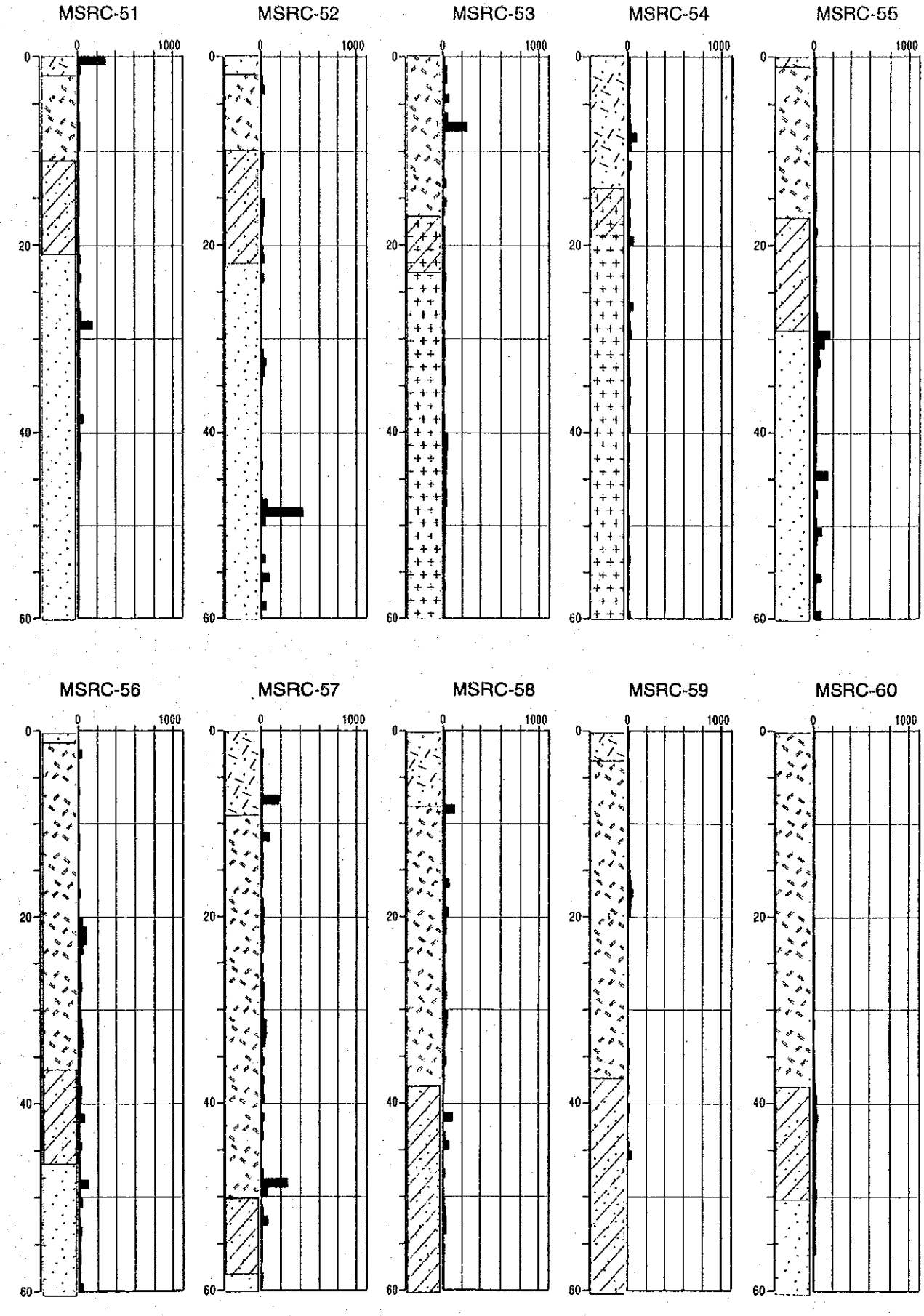
MSRC Au Profile (3)



MSRC Au Profile (4)



MSRC Au Profile (5)



MSRC Au Profile (6)

Ap. 5 La figure de la colonne géologique de DDH

site: MDDH-6 Depth (m): 0-40m No. 1/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
0				Surface soil (0.0-0.1m) & hard carapace (0.1-1.0m)	reddish brown		14
			1.00 Laterite	Soft carapace	yellow brown		17
							25
			3.40	Saprolite	brown-reddish brown		20
			5.22				38
		6.68m (2mm) Qtz Vn∠45°	Weathered Psammitic Schist	Weathered fine grained psammitic schist	yellow brown		6
							5
							9
		8.76m (2mm) Qtz Vn∠45°, 9.94m (3mm), 10.99m (4mm) Qtz Vn∠54°, 11.22m (2mm) Qtz Vn∠70°, 12.28m (2mm) Qtz Vn∠60°					7
10							<5
							5
							8
							<5
			13.25	Medium grained psammitic schist, with bio. rich blk. bands	dark green -grey	Chlorite	86
		14.50m (6mm) Qtz Vn∠40°					47
			14.52	Fine grained psammitic schist with qtz veinlets	red-brown		23
		16.00m (2mm) Qtz Vn∠50°	16.42	Medium grained psammitic schist with grn spots	red-brown	Chlorite	190
		17.73m (4mm) Qtz Vn∠50°					23
			18.43	Fine to medium grained psammitic schist	red-brown		17
20							266
		20.12m (3mm) Qtz Vn∠52°, 20.60m (3mm) Qtz Vn∠40°, 21.10m (13mm) Qtz Vn∠33°,	21.35				293
				Medium grained psammitic schist with shear zone (23.40-23.45m, ∠60°)	dark brown		5
			23.45				5
		23.40m (0.05mm) Sheared zone, 23.50m (3mm) Qtz Vn∠20°		Medium grained psammitic schist	dark grey -dark brown		5
							<5
		27.75m (30mm) Qtz Vn∠72°, 28.45m (0.05mm) Qtz Vn∠53°, 28.57m (0.4mm) Qtz Vn∠80°, 28.97m (6mm) Qtz Vn∠85°,					<5
			27.00	27.25-27.75m; Dk grey-dk bw bio rich m.gd psammitic schist 27.78-28.57m; Grey-dk bw f.gd psammitic schist 28.57-29.17m; Bw-dk grey m.gd psammitic schist 29.17-29.45m; Dk grey f.gd psammitic schist 29.45-29.55m; Yellow-bw ser(str)-bio-silic schist 29.55-29.90m; Qtz vein (w=35cm)	dark grey -dark brown		<5
30							<5
							137
		∠38°	29.90 Medium Grained Psammitic Schist	29.90-30.12m; Red bw ser(str) rich hm(str) alt silic schist 30.12-30.83m; Dk grey-dk bw f.gd psammitic schist 30.83-41.64m; Red bw-red dk bw m.gd psammitic schist	grey -dark grey -dark brown	Chlorite / Hematite	<5
							<5
							<5
							<5
							<5
							<5
		35.01m (20mm) Qtz Vn∠44°, 35.18m (3mm) Qtz Vn∠60°					666
							40
		36.77-37.00m Qtz Net Vn & weak zone, Chloritized, with very fine Py					179
40							5

site: MDDH-6 Depth (m): 40-80m No. 2/5

depth (m)	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
40	40.60m (12mm), 40.68m (5mm), 40.78m (10mm), 40.84m (12mm) Qtz Vn∠75-85°	Medium Grained Psammitic Schist	30.83-41.64m; Red bw-red dk bw m.gd psammitic schist 41.64-43.92m; Dk bw-dk grey v.f.gd psammitic schist	grey -dark grey -dark brown	Hematite	22
		43.92				66
						29
						15
			Mudy schist	brownish grey -brownish dark grey	Chlorite	136
	45.03-45.08m, Hmt-Qtz Net Vn ∠56° 45.75-46.07m, Qtz Net Vn, 46.90m (20mm), 46.98m (10mm), Hmt Clay-Qtz Vn					32
						38
						32
						20
50	49.70m (10mm), Qtz Vn, 50.12-50.18m, 50.37-50.60m, Qtz Net Vn, 51.39m (6mm), 51.69m (5mm), 52.00 (4mm), 52.42 (8mm), 52.61 (4mm), Hmt Qtz Vt∠55-76°					19
						45
						24
		52.26	Fine grained psammitic schist	dark brown -dark grey	Silic	26
						28
		54.76	Mudy schist	brownish dark grey	Silic Hematite	23
	54.68-55.10m, 57.76-57.93m, Hmt-Qtz Net Vn 58.32-58.41m, Qtz Net Vn	Alternation of Dark Grey Fine Grained Psammitic Schist & Mudy Schist				12
						35
						50
						9
60	59.55m (6mm) Qtz Vt, 60.25m (20mm) Hmt Qtz Vn∠45° 62.40m (5mm) Qtz Vt∠60°					19
						<5
						<5
						5
		63.00	Alternation of drk grey f.gd psammitic schist & mudy schist	dark brown -dark grey	Hematite	16
	64.65m (2mm) Qtz Vt∠71°					16
						6
		66.91	Hard mudy schist	dark grey -black		<5
	67.20m (2mm) Qtz Vt, 68.48m (7mm) Qtz Vt∠80°					11
						5
70						13
	70.35m (3mm) Hmt Qtz Vt∠57° 70.85m (3mm) Hmt Qtz Vt∠82° 70.92m (4mm) Hmt Qtz Vt∠70°					<5
						7
						8
					Pyrite	13
						29
		75.33	M.gd psammitic schist	dark brown -grey		46
	76.05-76.40m Py diss imp Hm & Qtz Net Vt	76.68	Alternation of drk grey f.gd psammitic schist & mudy schist	dark grey	Silic Hematite	121
						111
						84
80						129

site: MDDH-6 Depth (m): 80-120m No. 3/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
80			Alternation of Dark Grey Fine Grained Psammitic Schist & Mudy Schist	Drk grey f. gd psammitic schist with mudy schist	dark grey-black	Pyrite, Silic	60
							54
							52
							55
							20
							107
							150
							84
							84
90		92.10m (10mm) ∠70° , Py rich (25%), gm clay (chlorite) bearing gg Qtz Vn, 92.15m (20mm) ∠56° , Py (3-5%), wht-L.grey Qtz Vn, 92.36m (12mm) ∠60° , Py Net Vn (20%), wht-L.grey Qtz V					109
							172
							49
							49
							52
							33
			95.80				135
			Quartz Porphyry	Quartz porphyry	dark grey		19
							9
							19
100							86
			100.82				17
				Quartz porphyry	yellow-white		<5
							<5
							<5
							<5
							48
			106.34				223
				Quartz porphyry	dark grey		19
							81
110			109.95				77
		Qtz Vt (4-6mm) 8-12 Vt/m	Alternation of Dark Grey Fine Grained Sandstone & Black Mudstone	Fine to medium grained sandstone	dark grey-green dark grey	Pyrite, Silic	111
							224
							58
							16
							43
							56
							124
							93
							66
120							47

site: MDDH-6 Depth (m): 120-160m No. 4/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration	Mineralization	Au (ppb)
120			Alternation of Dark Grey Fine Grained Sandstone & Black Mudstone	Fine to very fine grained sandstone		Silic		42
								33
								69
								58
								80
		125.53-125.60m (0.07mm), Py diss Imp L.grey Qtz Vn some parts porous grn clay (chl?) filling						52
								26
								192
								26
130								35
								30
								64
								17
								129
		134.57-134.75m ∠42°, fault (slickenside), with Py						869
					dark grey-black			630
								220
		137.40m (2-8mm) ∠45°, wht-L.grey Qtz-Py bearing						82
								62
140								56
								70
								351
								444
								227
								463
								121
								38
		148.56m (10mm), 148.72m (10mm) ∠30°, Qtz Vt Py dis with grn spot					Chlorite	47
								114
150								40
								77
		152.60m (13mm) 152.88m (30mm)	151.87					69
		153.97m (30mm) lt.bw-gry-grn Qtz-Chl Vt	Quartz Porphyry ~ Granodiorite Porphyry	151.87-152.39m; Coarse.grained granodiorite porphyry	dark green-grey			15
								16
				152.39-152.67m; Fine grained silic (str) sandstone	dark grey			21
								9
		155.09m (10mm), 156.02m (60mm), 157.10m (50mm), 158.13m (50mm), 159.05m (30mm), Bio & Py bearig Qtz Vn∠30-65°		152.67-157.10m; Coarse.grained granodiorite porphyry	green-grey		Pyrite Chlorite	60
								11
			157.10	157.10-157.59m;Silic sandstone	light grey			18
								5
				157.59-169.40m; Coarse.grained granodiorite porphyry	green-grey			21
160								17

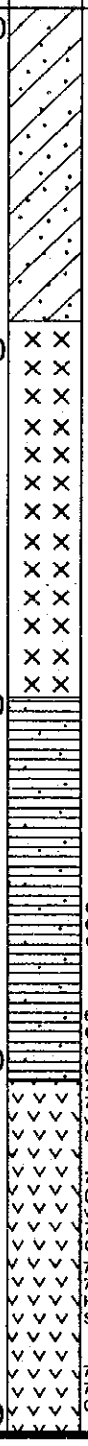
site: MDDH-6 Depth (m): 160-200m No. 5/5

depth (m)	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
160	160.06m (0.4mm), ∠26° , gry-L.gm Qtz Vt, Py bearing (5%)	Quartz Porphyry ~ Granodiorite Porphyry	Coarse.grained granodiorite porphyry	green-grey	Pyrite, Silic	20
	161.85m (17mm), 162.86m (10mm), 163.03-163.35m (32mm), 163.62m (30mm), 163.83-163.94m (11mm), Bio & Py bearig Qtz Vn∠13-55°					9
						20
						9
						22
						80
						54
						9
						17
170		169.30	Alternation of drk grey silic sandstone & psammitic schist	dark grey-dark, brown-dark green		70
	173.15-174.00m (1-2mm), Qtz Vt	Alternation of Dark Grey Silitic Sandstone & Psammitic Schist				43
						40
						43
						27
						79
						111
						47
						25
						60
180						15
						19
						38
						16
		183.20	Alternation of drk grey f.gd sandstone & .blk mud	grey		34
						115
		185.55	Fine to medium grained psammitic schist	grey-dark grey		759
						58
						43
						41
190						23
	190.34-190.85m ∠62-72° irg	190.34	Blk mudy schist	blak-dark grey		15
			190.34-190.85m; Quartz vein			13
	192.40-192.45m, 193.34m (6mm) gm Qtz with Py, Bio ∠57°	192.00	Alternation of drk grey f.gd sandstone & blk mud	dark grey		7
		193.45	Fine to medium grained psammitic schist	grey -dark grey		7
						14
						13
	198.30 (20mm) ∠75° Qtz Vn				Chlorite	46
						16
	199.83 (10mm) ∠40° Qtz Vn					17
200						14

site: MDDH-7 Depth (m): 0-40m No. 1/3

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
0				Hard carapace, soil (0.00-0.10m)	reddish brown		447
				1.20 Soft carapace			20
			Laterite	2.00 Saprolite	yellow brown		25
				4.45			26
		5.25m (2mm) ∠30° Hm&Qtz Vt		Weathered medium grained psamitic schist	reddish brown		5
		Hm spot ∠54° ∠50° ∠37° Qtz Vt (1mm)		5.90 Medium to fine grained psamitic schist with bio.rich blk.bands	reddish brown -brown		18
				7.65 Fine to medium grained psamitic schist with grn chl spots	reddish brown -grey dark, brown	Chlorite	5
10		10.0-14.0m; Qtz&Hm Vt∠45-60° (1-3mm, MAX9mm)		10.75-10.90m; Medium grained psamitic schist with green spots			8
		∠55°		10.90 Medium to fine grained psamitic schist with bio. rich blk.bands	reddish brown -yellow brown		6
				13.80 Fine grained psamitic schist with parpl dk grn-yellow bw chl spots	purple dark brown -yellow brown		54
		16.0m, 16.5m; Qtz&Hm Vt ∠40-58° (1-2mm)		15.45 Very fine grained psamitic schist	purple brown		22
		18.0m Qtz Vt ∠42° (1-3mm)		17.85 Fine grained psamitic schist with dk grn spots	dark green grey /purple brown		5
20				18.60 Fine grained psamitic schist	purple brown		27
		20.0m Qtz Vt (1-3mm)		19.70 Bio bearing fine grained psamitic schist			17
		21.3m Bio spor		22.45-22.85m; Fine grained psamitic schist with parpl dk bw spots	purple brown		32
		23.10-23.35m 23.50-23.85m; Qtz&Hm Net		22.85 Fine grained psamitic schist	purple-orange brown		45
			Weathered Medium to Fine Grained Psamitic Schist	24.05 Fine grained psamitic schist with hm(str)stain along schistosity		Hematite	49
							35
							23
							5
							477
							63
							154
							18
							24
							4240
							186
							170
							144
30		27.50m, 28.65m, 29.65-30.30m, 30.47m (30mm), 31.90-32.05m, 34.53m (30mm), Qtz&Hm Net ∠33-50°					82
							1699
					purple-yellow brown		121
							57
							1607
							199
							917
							20
							6
							12
40							47

site: MDDH-7 Depth (m): 40-80m No. 2/3

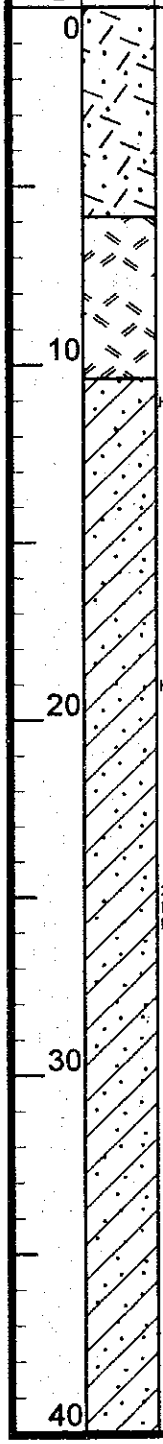


Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
	Weathered Medium to Fine Grained Psamitic Schist	Weathered medium grained psamitic schist interbeded with silic(wk)fine grained sandstone	dark grey, yellow brown	Silic	85
					114
					51
					366
					47
	45.00	Weathered medium grained psamitic schist	brown yellow -brown grey	Hematite	117
		48.00-48.77m; Silic (m-str), very fine grained psamitic schist			44
	48.77				41
∠35°					40
	Quartz Porphry	48.77-49.85m; yellow bw qtz po, wht pl. prominent	dark grey, black, yellowish brown, dark green, reddish brown		9
		49.85-51.60m; hm (str) dk grey quartz porphyry with red-bw spots			7
					6
		51.60-57.07m; Pl (wht, ϕ 5mm) prominent quartz porphyry			30
					51
		57.07-59.30m; Chloritized quartz porphyry			43
					14
					97
					53
	59.30				62
∠35-40°	Alternation of Dark Grey Very Fine Grained Psamitic Schist & Black Mudy Schist	Alternation of drk grey v.f.gd psamitic schist & blk. mudy schist Hm stain along schistosity	black, grey, yellowish brown	Py and/or Asp	270
					106
					16
					36
65.00m(14mm), 66.70m(20mm), Qtz&Hm Net ∠70°				Chlorite	53
					219
				Hematite	444
	66.82				423
		Fine to medium grained psamitic schist	dark grey		167
69.30m(4-5mm), Qtz with very fine orange spot (Py & El?)					110
	70.00				732
70.52m (13mm), 70.80m (10mm), wht-milky wht Qtz & Cal	Altered Diorite -Andesite	Altered diorite-andesite	grey -pale green		34
					36
	72.09		dark green		517
72.09-72.25m (16mm), Qtz with Py&Bio					54
	73.45	Altered diorite-andesite with Hm stain along joint	green -light green	Hematite	55
73.40-73.85m QtzNet Vt					29
74.50m (5mm), 75.75m (14mm) Hm&Qtz, Ser bearing	76.95	Compact diorite-andesite	dark green -grey		35
					5
77.78m (8mm), 78.50m (40mm) Qtz Vn with Bio&Py					7
					5

site: MDDH-7 Depth (m): 80-100m No. 3/3

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration: Py and/or Asp	Alteration: Silic	Alteration: Chlorite	Mineralization	Au (ppb)
80			Altered Diorite -Andesite	Compact diorite-andesite	dark green -grey					19
		81.09m(10mm), Lt. gry Qtz Vn Bio>>Py ∠50°								21
		82.30m(10mm), Lt. gry comp. Qtz Vn ∠51°								20
		84.05m (10mm), 84.20m (30mm), pale gry Qtz Vn Bio>>Py ∠40-50°								18
										34
										16
										11
										13
										14
90		89.92m, Qtz Vn ∠32°	89.92							20
		∠32°	Quartz Vein 91.65	Quartz vein	white -light grey					15
		91.65m, Qtz Vn ∠49°								18
		93.95m (10mm), Bio rich wht Qtz Vn ∠40°	Fine to Very Fine Grained Biotite Schist with Laminated Black.Mudy Schist	Fine to very fine grained biotite schist with laminated blk.mudy schist	grey -dark grey					15
										16
										45
										56
										27
										23
										17
100		96.22m (10mm), Bio rich gry Qtz Vn ∠32°	100.00							18
110										
120										

site: MDDH-8 Depth (m): 0-40m No. 1/5

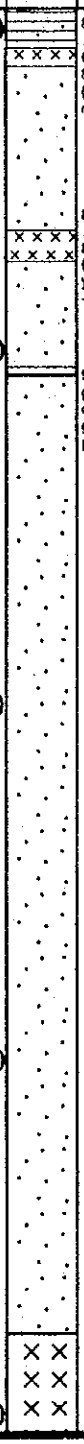


Lithology	Description	color	Alteration / Mineralization	Au (ppb)
	Hard carapace	reddish brown	Hematite	23
				21
				84
				117
4.00 Laterite	Soft carapace	yellow-brown		83
5.70	Saprolite	milky white -yellow brown		5
				5
				6
				5
10.35				5
	Very fine grained psamitic schist	yellow brown -red brown		5
11.10	Fine grained psamitic shist	red brown-purple brown		5
				5
				5
				5
				5
				5
				15
				5
				5
				5
21.70				5
Weathered Psamitic Schist	Medium grained psamitic shist with bio.rich blk.bands	purple dark brown -reddish dark brown		5
				5
				5
				5
				5
				5
				5
				5
				5
				5
				84
				5
				5
35.90				6
	Fine grained psamitic shist with bio.rich blk.lens	yellow brown -dark brown		5
				5
				5
				5

site: MDDH-8 Depth (m): 40-80m No. 2/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
40			Weathered Psamitic Schist	Fine grained psamitic shist with bio.rich blk.lens	yellow brown -dark brown	Hematite	5
							10
							5
							12
							5
			46.00				7
		47.12m (20mm) ∠75° Hm rich brec Qtz Vn, 47.94m (20mm) ∠56° Hm cloudy wht Qtz Vn, 49.45m (50mm) ∠60° Hm rich brec Qtz Vn		Very fine grained psamitic schist interbeded with thin bk mud	dark grey -black		16
							29
			48.00				44
50				Very fine grained psamitic schist with bio.spots	dark brown -dark grey		74
							22
			51.05				19
			Psamitic Schist	Fine to medium grained psamitic shist with bio.diss.(5-6%)	red brown- yellow brown		38
							119
			54.45				15
				Fine grained psamitic shist with bio rich.(max.15%) thin seam	dark grey -black		16
							131
			57.10				14
				Fine to medium grained psamitic shist interbeded with thin blk.mud			5
							40
60		59.33m (30mm) ∠60° Hm&L.gry Qtz Vn, 59.80-60.03m, 60.35-60.75m Hm&Qtz Vn,			grey- yellowish grey		12
			62.08				13
			Granodiorite Porphyry 62.35	M.gd.Biotite granodiorite porphyry	yellow brown- brown		10
				62.35-64.05m; Very fine grained psamitic schist			16
			64.05				13
				Thinnly beded alternation of fine to medium grained psamitic shist and blak. pelitic schist with qtz veinlets		Py and/or Asp	29
							10
							18
							25
70			Alternation of Fine to Medium Grained Psamitic Shist		grey -dark grey	Silic	24
							22
							14
							30
							14
							14
							42
		77.84m (16mm) Bio rich, Hm&cloudy wht compact Qtz Vn					141
		79.50-79.60m bw clay&bcc zone with strong silic sand bcc					408
80							317
							173

site: MDDH-8 Depth (m): 80-120m No. 3/5



depth (m)	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
80		Thinnly beded alternation of fine to medium grained psamitic shist and blak. pelitic schist with qtz veinlets 80.95-81.35m, 86.15-87.00, 90.02-90.15m; M. gd. biotite granodiorite porphyry	grey-dark grey	Py and/or Asp Silic	39 327 180 57 40 35 13 35 20 32
90	90.15 Alternation of Fine to Medium Grained Psamitic Shist	Thinnly beded alternation of fine to medium grained psamitic shist and blak. pelitic schist with qtz veinlets.	grey -dark grey		20 19 27 71 47 40 82 29 34 33 28 21 28 21 22 62 44 32 44 35 46 19 33 43 45 66 85
100	117.25				
110	Granodiorite Porphyry	Silic c.gd.Biotite granodiorite porphyry	dark green grey		40 18 26
120					

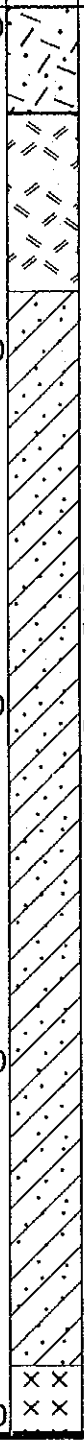
site: MDDH-8 Depth (m): 120-160m No. 4/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
120				Silic c.gd.Biotite granodiorite porphyry			20
							14
							29
				131.25-131.65, 132.08-134.52m; Biotite bearing m.gd. granodiorite porphyry			5
							5
					dark green grey	Py and/or Asp	5
							12
							30
							8
130							5
							15
							18
			132.08	Biotite bearing m.gd. granodiorite porphyry	milky white-pale grey		5
							18
		134.83-135.00m L. grey Qtz Net Vn	134.52	Silic Biotite granodiorite porphyry with qtz.veinlets			5
			Granodiorite Porphyry				9
							5
							5
							9
140					dark green-grey	Silic	6
							5
							5
							6
							5
			144.45	Biotite bearing m.gd. granodiorite porphyry			7
							21
							59
					white-blue grey		68
							14
150							52
							29
			151.45				56
				Very fine to fine grained psamitic schist with bio rich seams			110
							125
		155.08m (140mm) ∠62° Py diss pale gry-gry Qtz Vn	Psamitic Schist		dark grey -black	Chlorite	20
							8
		156.60m (20mm) ∠55° L. grey Qtz Vn					19
							17
							45
160							103

site: MDDH-8 Depth (m): 160-200m No. 5/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration	Mineralization	Au (ppb)
160			Psamitic Schist	Qtz bearing silic(str) f. grained psamitic schist with bio.rich lens	dark green -grey	Py and/or Asp	Chlorite	469
				160.46-161.20m; Silic(str) f. grained psamitic schist with bio. lens				15
				164.73-164.83m; Silic(str) blk.mud. Bio.rich				161
		164.50m (12mm) gry Qtz Vn, Bio bearing ∠40-60°	164.83					370
			165.80	Fine to medium grained bio.rich psamitic shist	dark grey-black			245
				Fine grained bio.rich psamitic shist	pale green			41
								37
								119
								71
170		168.95m (20mm) ∠36° , Bio>Py diss imp, pale gry Qtz Vn					Chlorite	51
								169
				172.23-172.70m; Silic(str) blk.mud. Bio.rich				96
			172.70					66
		173.73m EL spot bearing		Very fine grained psamitic schist	dark grey-black			7900
			174.90					39
			175.75	Bio.rich psamitic schist	dark grey-black			71
			176.80	Very fine grained psamitic schist	dark grey			29
				Alternation of drk grey psamitic schist & grn spots bearing f. gd. psamitic schist	dark grey			73
								54
180								34
								41
								39
								127
								870
			185.00					66
			Very Fine to Fine Grained Psamitic Schist	Very fine to fine grained psamitic schist with bio rich parts	dark grey-black	Py and/or Asp	Silic	43
								55
								50
								81
190								37
		190.92m (50mm) ∠45° , Py diss imp, wht-gry Qtz Vn						27
								41
		195.60-196.02m (50-100mm) Py diss imp(M), wht Qtz Vn, sand schist brc (30%) bearing						40
								30
								35
								45
		196.35m (25mm) ∠42° , Py diss imp, pale grn-wht Qtz Vn						37
								30
		197.12m (50mm) ∠70° , Py imp, cloudy wht Qtz Vn						46
200								48

site: MDDH-9 Depth (m): 0-40m No. 1/4



depth (m)	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
0			0.00-0.35m; Surface soil	dark brown		80
			0.35-0.70m; Hard carapace	red brown		36
			0.70-2.65m; Soft carapace	yellow brown		38
		Laterite	Saprolite	milky white -choco. brown		33
						29
			Saprolite	red -choco. brown		29
						49
						37
		Psamitic Schist	Weathered medium grained psamitic shist	milky wht/orange bw/purpl bw		28
			Weathered fine grained psamitic shist	yellow brown -grey		69
						28
			Weathered fine grained psamitic shist	yellow brown -grey		40
						39
	16.00m (20mm), Hm&Qtz Vein (Broken core)		Weathered fine to medium grained psamitic shist fine Bio imp.(7-8vol.%)	brown -dark grey	Hematite	129
	17.63m (40mm) Hm&brec Qtz					33
	19.12-19.17m, Hm&Qtz Vn∠34°					37
	19.30m (15mm), Hm&brec Qtz Vn ∠36°					39
						715
						139
						262
						219
						357
	23.83m (20mm), Hm,Qtz&Cc Vn					2009
						542
			Weathered fine grained psamitic shist fine Bio imp.(7-8vol.%)	dark brown -dark grey		21
						227
						78
						71
						134
						68
	30.70m (15mm), Hm&Qtz (Broken core)					153
						51
			Quartz vein (w=1-3mm) bearing silic (wk) medium grained psamitic schist	dark grey		50
						62
			Weathered medium grained psamitic shist fine Bio.imp.(8vol%)	dark brown -dark grey		102
			38.50-40.20m; Weathered fine grained psamitic shist with f.gd.Bio bearing			21
						29
						14
	× × 38.85m (20-30mm), Blk Bio rich Vt ∠23°	Granodiorite Porphyry	Weathered m.gd.biotite granodiorite porphyry with Hm.stain along fault plane	yellow -pale green		34
40	× ×					5

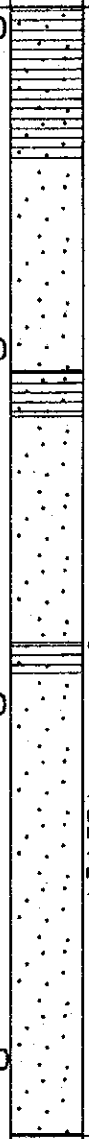
site: MDDH-9 Depth (m): 40-80m No. 2/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
40				Weathered (wk) m. gd. biotite granodiorite porphyry with Hm. stain along fault plane	reddish brown-orange brown	Silic / Hematite	17
							15
							29
							27
							24
				44.35			
				Weathered (wk) m. gd. biotite granodiorite porphyry, epidotization prominate	green-dark grey		12
		46.85-47.00m (15mm) Hm rich		46.35			15
		48.60-48.65m (5mm) wht Qtz Vn		Medium grained biotite granodiorite porphyry Bio rich (30vol.%)	dark grey		12
							11
				48.60			
50				Silic coarse grained biotite granodiorite porphyry Bio (25-30 vol.%) along qtz veinlets			8
		49.95m (10mm), 50.18m (10mm), Hm&cludy wht Qtz Vn					6
							8
							6
		53.75m (1mm), 53.88m (2mm), Hm&cludy wht Qtz Vn∠54-60°					6
							9
		55.47m (3mm), Bio rich pale gry Qtz ∠45°					6
							6
							7
							35
60		59.05m (50mm), 59.50m (30mm), 60.33-60.42 (9mm), Bio bearing wht Qtz Vn∠28-50°	Granodiorite Porphyry				10
							7
							8
							10
					dark green-dark grey	Py and/or Asp / Silic	11
		64.35-64.58m (23mm), 66.98m (50mm), Bio rich gry Qtz Vn ∠50°					29
							38
							38
							6
		68.33m (80mm) milky wht-L.gry porous Qtz Vn∠46°					8
70		68.82m (50mm) Bio rich cloudy wht Qtz Vn∠75°					8
							8
							7
		72.58-72.63m (50mm), 73.91m (50mm), Bio rich L.gry Qtz Vn∠50-80°					7
							7
							8
		75.07m (50mm), cloudy wht Qtz Vn					5
							11
		75.82-75.89m (70mm), 78.61-78.76mm (15mm), Bio rich blk & L.gry Qtz Vn					9
							12
80							11

site: MDDH-9 Depth (m): 80-120m No. 3/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
80		80.53-80.62m (90mm), 82.00m (18mm), Bio rich gry Qtz Vn ∠32-62°	Granodiorite Porphyry	Silic coarse grained biotite granodiorite porphyry Bio (25-30 vol. %) along qtz veinlets	dark green-dark grey	Py and/or Asp; Chlorite; Silic	9
		84.95m (14mm), 85.46m (60mm), 85.95m (20mm), 86.32m (50mm), 86.89m (70mm), Bio rich gry Qtz Vn ∠25-58°					12
							19
							16
							11
							14
							12
							43
							17
90		∠30°					48
			90.48				42
		∠35°	Psamitic Schist 91.97	Fine grained silic (str) psamitic schist with bio rich seams	dark grey		58
			Hornblede Diorite 92.30	Fine grained hornblede diorite with small amout of py (<1 vol %) imp.	dark green-grey-black		495
							121
				Fine to medium grained bio.rich silic (str) psamitic shist with py (15 vol.%)=Asp			3704
				94.70m; Au spot bearing			1458
		97.86m (20mm), L. gry Qtz Vn					980
				97.26m; El observed in the shear fold? zone			1552
100							564
				100.00-130.00m; parallel laminated alignment of py. & asp.			250
							914
							256
							362
		103.33m (20mm), dark gry Qtz Vn Py diss ∠28°					692
			Psamitic Schist				328
							94
							55
					dark grey		153
							159
110							160
							43
							240
							330
							152
							88
							38
							57
							41
		117.80-118.15m wht Qtz Vt, Net Vt					76
120							85

site: MDDH-9 Depth (m): 120-151.75m No. 4/4



depth (m)	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
120			Fine to medium grained bio.rich silic (str) psamitic shist with py (15 vol. %) = Asp. 100.00-130.00m; parallel laminated alignment of py. & asp.	dark grey	Py and/or Asp; Chlorite; Silic	68 189 111 135 80 71 55 310
		128.70				26
130		Psamitic Schist	Silic (m) very fine grained psamitic schist with blk.mudy schist	dark grey -black		53 44 26 29 27
		134.43				25
	137.36m (40mm), drk gry Qtz Vn ∠42°		Fine to medium grained bio.rich silic (m) psamitic shist with blk. mudy schist.	dark grey		17 20 42 27
140		139.78				25
	142.82m (120mm), Bio rich, chloritized L. gry Qtz Vn∠40° 143.71m (24mm), Py Vt, L. gry Qtz Vn ∠40°		Silic (m) very fine grained psamitic schist with blk. mudy schist	dark grey -black		32 32 34 45 13 13 12 10 11
150		151.75				73 11 8
160						

site: MDDH-10 Depth (m): 0 - 40m No. 1/4

depth (m)	Qtzuartz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
0			Fine to medium grained psamitic schist Broken core	reddish brown		13
	∠40° 3.22-(0.02)m Hm + cloudy wht Qtz Vn					20
						17
	3.67-3.95(0.28)m Hm + cloudy wht Qtz Vn					17
		4.20	F.g. psamitic schist with dk grn-dk gy spot. Bio(wk)	reddish brown (dk grn-dk gry)	Bio	23
		5.40	Fine to medium grained psamitic schist, Pelitic schist bearing	reddish brown (dk brown)		22
	∠58°					26
						16
		8.55	F.g. psamitic schist with dk grn-dk gy spot	reddish brown (dk grn-dk gy)		22
	∠55°	9.25	Medium grained psamitic schist	reddish brown		16
10						23
	∠33°					27
	12.00-12.16(0.16)m ∠30° Hm + bw-lt gry c.g. Qtz Vlt Ntwk	11.60	Medium grained psamitic schist with dark green - dark gray spot	reddish brown (dk grn-dk gry)	Hematite	89
	12.58-(0.03)m ∠38° Hm + ylw-lt gry c.g. Qtz Vn 13.90-14.00(0.10)m Hm + dk gry c.g. Qtz Vn Ntwk	Weathered Psamitic schist				124
						88
						68
						63
	∠40°					69
		17.44	Medium grained psamitic schist with dark gray spot	reddish brown		90
	∠50°	18.90	Medium grained psamitic schist (porous) Showing many dark green - dark gray spot (chl) around with quartz veinlet	reddish brown (dk grn-dk gry)	Chlorite Silic	70
20						7
	20.06-20.50(0.44)m Hm(str) + bw-lt gry Qtz Vlt Ntwk zone					9
						12
						27
						27
	∠48°	25.45				407
		Meta andesite	Meta andesite, Bio bearing , Chl	dark green	Chlorite	78
		26.30	Medium grained psamitic schist	reddish brown - dark brown		392
	∠30°				Silic	13
30	∠34°	29.05	Very fine grained psamitic schist, partly dark gray pelitic schist	brown - dark brown		12
		Psamitic schist				9
	∠65°					9
		32.85	Medium grained psamitic schist,	dark brown - dark gray		10
	∠46°	33.90	Fine grained psamitic schist, Chloritized Bio patch bearing (cdt schist)	dark brown	Hematite	19
					Bio	9
	∠45°	35.52	Fine to medium grained psamitic schist, Hm (film - 2mm) bearing (cdt schist)	dark brown - dark gray		9
	36.79-36.85(0.06)m ∠40° 37.81-37.87(0.06)m ∠40° Hm, Chl + grn-lt gry c.g. Qtz Vn				Chlorite	40
						56
						17
40	39.05-40.10 (1.05)m many Qtz Vlt (film-7mm)					8

site: MDDH-10 Depth (m): 40 - 80m No. 2/4

depth (m)	column	Qtzuartz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
40			Psamitic schist 41.35		dark brown - dark gray	Silic	29
		41.40-41.66 (0.22) m Hm + lt gly Qtz Vn ntwk		Alternated pelitic schist and fine grained psamitic schist (partly very fine grained),			232
		41.75 (22mm) m ∠63° Hm + lt gly Qtz Vn					46
		∠58°					29
		∠12°	Pelitic schist / Psamitic schist		black - dark gray		27
		∠38°					60
							29
							28
50							56
							86
		∠45°					54
		52.00 (18mm) m ∠45° Qtz Vn					35
				53.90-54.65m medium grained psamitic schist with dark green spot	reddish brown	Hematite	28
							43
					black - dark gray		52
		56.21 (0.09) m Hm + Qtz Vlt (1-10mm) Ntwk	56.30				78
				Fine grained psamitic schist with dark green spot, Qtz Vlt (film - max; 5mm) bearing	reddish brown - dark brown - dark green		30
							13
						Hematite	20
60		∠38°	59.75				23
				Very fine grained psamitic schist (muddy)	dark gray		29
		∠30°	61.37				24
				Fine to medium grained psamitic schist, Partly pelitic schist Quartz veinlet bearing (1-8mm, 2-10/m)			22
		∠45°					40
							28
		∠32°					22
					dark green - gray (black)		16
		∠26°					23
						Chlorite	25
70							20
		69.93 (0.02) m ∠77° lt grn-gry Qtz Vn (Chl)	Psamitic schist				102
							150
							978
							22
		∠26°					22
		∠41°	75.72				27
		76.54m (24mm) ∠45° 77.84-78.00m		Coarse grained psamitic schist, Bio bearing, Quartz veinlet bearing (1-8mm, many)	gray	Bio	22
		78.24m (21mm) ∠25° 79.30m (30mm) ∠80°					23
		79.30m (15mm) ∠77° grn-lt gry Qtz Vn (Chl)	78.26				21
80				Fine to medium grained psamitic schist, Qtz Vlt bearing (1-10mm, many)	dark gray		18

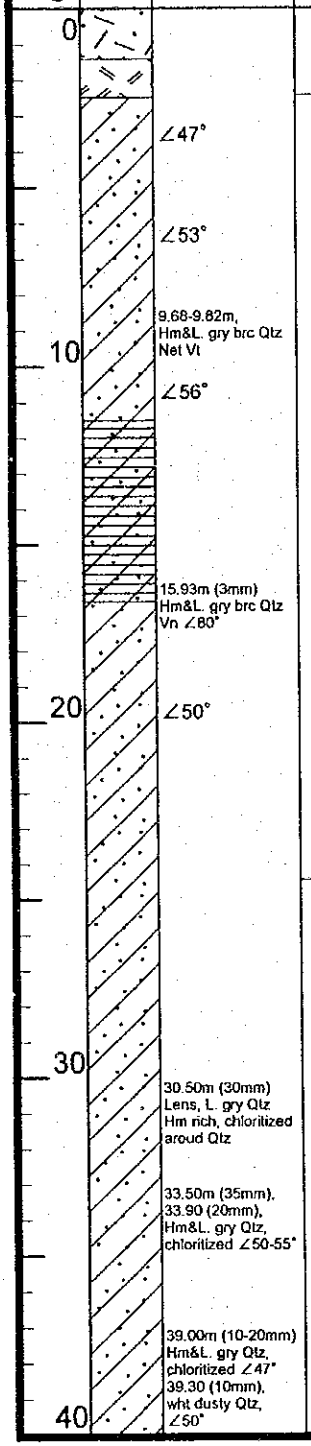
site: MDDH-10 Depth (m): 80m - 120m No. 3/4

depth (m)	column	Qtzuartz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
80		82.16-82.82 (0.66) m dk grn-lt gry Chl Qtz Vlt, Ntwk 83.54-83.73 (0.19) m dk grn-lt gry Qtz Vll, Ntwk	Psamitic schist 83.73	Fine to medium grained psamitic schist, Qtz Vlt bearing (1-10mm, many) 82.00-83.7m Qtz Vn and Ntwk with Py and As-Py dissemination (Py >As-Py)	dark gray	Silic & Chlorite Py >As-Py	19 21 21 25 25 20 23 21 26
90				Alternated fine to very fine grained psamitic schist and pelitic schist, Bio rich bearing, with Qtz Vlt , Strongly pyrite dissemination (Py>As-Py)	dark gray - black	Bio Py >As-Py	31 45 198 25 25 22 24 16 20
100		98.80m (27mm) ∠22° Pale grn-gry Qtz Vn, ∠23°	Psamitic schist / Pelitic schist	98.80m; Qtz Vn; Py Vlt (film - 1mm) baring			96 40 21 15
		105.04m (15m) ∠58° Wht c.g. Qtz Vll, with Py diss Bio, Chl 106.15m (16m) ∠22° Py diss(wk) imp lt gry c.g. Qtz Vn, ∠30°		Alternated pelitic schist and very fine to medium grained psamitic schist, Psamitic schist; Bio rich, 106.15m Biotite schist are chloritized around Qtz Vn (2cm), Py (5%)>>As-Py bearing	black - dark gray - gray	Py >As-Py	50 26 46 22 31 30 45
110							34 42 31 32 144 37 43 33
120							33 160 329

site: MDDH-10 Depth (m): 120m - 153.10m No. 4/4

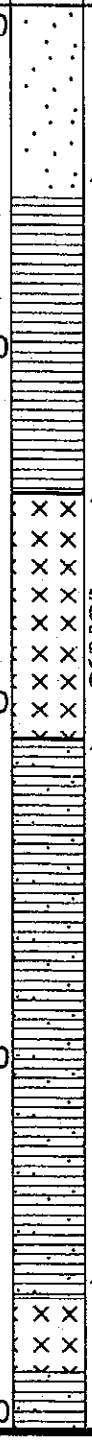
depth (m)	Qtzuartz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
120	Py fill fracture (around Qtz Vlt) ∠60°		Alternated pelitic schist and very fine to medium grained psamitic schist, Psamitic schist; Bio rich			47
	123.00m (20mm) ∠60° lt gry Qtz Vn		120m-123m; fracture around Qtz Vlt imply Py dissemination			39
			123.00m Showing Py dissemination in chlorotized zone			64
						35
				black - dark gray - gray	Silic / Bio / Py	40
		Psamitic schist / Pelitic schist				56
						23
	∠38°					38
						113
130	∠58°	129.97				130
	∠65°		Medium grained psamitic schist,			31
	131.52m (42mm) ∠45° grn(Chl) - lt gry Qtz Vn,		Showing Bio and Chl spot cdt schistosity, and a small amount of chloritoid spot.	dark green - gray	Bio & Chl / Py < As-Py	47
	∠65°		Pyrite and As-Py diss (Py < As-Py)			39
		133.28	131.52m Showing Py diss in Chl zone			65
			Very fine grained Psamitic schist, Bio rich			118
			Partly black colored pelitic schist, Py (2-3%) and As-Py dissm			63
	136.35m (10mm) ∠55° lt gry -lt grn(Chl) Qtz Vn,		136.35m; Py < Ar-Py bearing (thin banded)			312
	136.97m (60mm) ∠55° gry - dk grn(Chl) Qtz Vn		136.97m; Qtz Vn imply Py << Ar-Py diss.			153
	137.54m (14mm) ∠55° dk gry Qtz Vlt					98
	138.55m (80mm) ∠45° gry-dk gry thin banded Qtz Vn	Psamitic schist	138.55m; Strong Py > As-Py bearing			27
140	139.12 (15mm) ∠45° lt gray Qtz Vn wth Chl		139.12m; Py diss			29
	141.70m (13mm) irg. lt gry - dk gry Qtz Vn			dark gray (black)	Silic / Py (2-3%) & As-Py	55
	142.02m (15mm) ∠60° lt gry Qtz Vn,		142.02m; Showing Py dissm around Qtz Vn			56
						96
						238
	146.46m (40mm) ∠52° Pale grn Chl + lt gry Qtz Vn,		146.46m; Showing weakly Py diss. in Chl			95
	148.03m (80mm) ∠50° lt gry Qtz Vn,		148.03m; Qtz Vn wit Py and As-Py dissm			78
	148.78m (18mm) ∠37° wht - lt gry Qtz Vn,		148.73m; Black muddy thin banded with Py diss.			125
						44
150	150.77-151.37m (60cm) wht c.g. Qtz Vlt (Ntwk zone)		150.77-151.37m Chlorite spot with Py			627
						115
						73
						74
		153.10				
160						

site: MDDH-11 Depth (m): 0-40m No. 1/4



Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
	Laterite 1.20	0.00-0.70m; Hard carapace, 0.70-1.20m; Soft carapace	reddish brown	Hematite	41
	2.20	Saprolite	reddish brown		26
∠47°		Weathered fine grained psamitic schist with yellow bw spots	red brown-yellow brown		17
	3.80	Fine to very fine grained schist	red brown-dark brown		31
∠53°	5.69	Mudy schist with Hm films	dark brown		17
	7.12	Alternation of drk grey v.f. gd psamitic schist & blk mudy schist, Hm stain along schistosity	red brown-dark brown		17
9.68-9.82m, Hm&L. gry brc Qtz Net Vt	9.68	Mudy schist with Hm films	dark brown		20
∠56°	10.25	Coarse grained psamitic schist with Hm spots	red brown		19
	11.07	Alternation of drk grey v.f.gd mudy psamitic schist & .blk mudy schist with Hm stain along schistosity	dark brown /red brown		14
	Psamitic Schist				11
					10
					10
					7
					32
					8
					5
15.93m (3mm) Hm&L. gry brc Qtz Vn ∠80°	16.37	Fine to very fine grained schist with Hm & clay fill in joint	red brown		6
	18.60	Coarse grained psamitic schist with Bio spots	yellow brown		9
∠50°	19.05	Fine grained psamitic schist with Hm diss & stain along fractures	dark brown /red brown		7
					8
					10
	22.13	Coarse grained psamitic schist with Hm spots	red brown		339
	24.24				19
					16
		Silic (wk) fine grained psamitic schist with yellow bw -dk grn spots	yellow brown	Silic	43
					13
					12
					13
					20
					22
30.50m (30mm) Lens, L. gry Qtz Hm rich, chloritized aroud Qtz	30.05	Silic (wk) fine to medium grained psamitic schist	dark green grey -red brown		19
	Silic Psamitic Schist				19
					15
33.50m (35mm), 33.90 (20mm), Hm&L. gry Qtz, chloritized ∠50-55°					33
					149
					409
					21
39.00m (10-20mm) Hm&L. gry Qtz, chloritized ∠47° 39.30 (10mm), wht dusty Qtz, ∠50°				Chlorite	21
					40
					13

site: MDDH-11 Depth (m): 40-80m No. 2/4



Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
∠40°	Psamitic Schist 45.43	Sllic (wk) fine to medium grained psamitic schist with dk grn-yellow spots	dark green grey -red brown	Silic; Hematite; Chlorite	11
					38
					13
					11
					12
	Pelitic Schist 53.35	Alternation of drk grey v.f.gd mudy psamitic schist & blk mudy schist Hm stain along schistosity	black- dark grey		11
					18
					107
					21
					22
					14
					323
					162
∠44°					21
	Quartz Porphyry -Granodiorite Porphyry 56.31	Quartz porphyry-granodiorite porphyry 56.15-56.31m; Quartz vein with grn yellow spots	dark grey-green		31
56.15-56.31m (16mm) cloudy wht coarse grained Qtz Vn with grn yellow spot (Chloritised?) ∠26°					110
					25
	61.34	Quartz porphyry-granodiorite porphyry	dark grey-dark green		68
					87
					35
∠52°					30
	Alternation of Mudy Psamitic Schist and Mudy Schist 76.35	Alternation of drk grey v.f.gd mudy psamitic schist & .blk mudy schist Hm stain along schistosity	black/grey/ dark grey		31
					28
					19
					16
					220
					22
					37
					21
					37
					36
					26
					29
					21
∠40°		76.25-76.35m; Fine grained psamitic schist Slickenside on the fault plane of footwall		Chlorite	35
					22
	Granodiorite Porphyry 78.50	Granodiorite porphyry	dark green		26
					28
	Alternation of Mudy Psamitic Schist and Mudy Schist	Alternation of drk grey m-f.gd mudy psamitic schist & .blk mudy schist wuth Hm stain along schistosity with qtz veinlets swarm	black/grey-dark grey		118
					31

site: MDDH-11 Depth (m): 80-120m No. 3/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
80			Alternation of Mudy Psamitic Schist and Mudy Schist 92.35	Alternation of drk grey m-f. gd mudy psamitic schist & .blk mudy schist with Hm stain along schistosity with qtz veinlets swarm	black/grey-dark grey	Hematite; Chlorite	58
		84.60m (18mm) Hm, chloritized wht Qtz Vn∠54°					11
		∠50°					9
		86.00m (12mm), 87.01m (15mm), 89.55m (20mm), 90.36m (10mm), 91.35m (10mm), 92.23m (70mm) chloritized, L. gry Qtz Vn∠30-57°					10
90							74
							12
							9
							525
						Hematite	9
							36
							14
							77
		∠36°	Quartz Porphyry-Granodiorite Porphyry 109.55	Quartz porphyry-granodiorite porphyry	green (92.35-92.95m)		22
							15
							14
					red brown (92.95-93.20m)		22
				96.62-96.40, 97.40-97.60, 98.26-98.51, 100.83-101.18, 102.65-102.85, 108.27-108.70; pale grn, Py>As-Py bearing, chloritized, altered, especially around Qtz vein	pale green (93.20-96.10m)	Py and/or Asp; Silic; Chlorite	41
							43
							28
100		99.47m (20mm) L. gry Qtz Vn∠40°			dark green (96.10-109.55m)		79
							201
							78
							111
							129
							82
		105.29m (19mm) L. gry Qtz Vn∠40°					93
		106.95-107.01m (60mm), gry Qtz Vn chloritized					31
							138
							45
110							112
		∠32°	Quartz Vein 110.95	Quartz vein	white-cloudy white		21
		∠40°					39
			Quartz Porphyry-Granodiorite Porphyry 117.01	Quartz porphyry-granodiorite porphyry	dark green		25
							39
							54
							31
							41
			Alternation of Mudy Psamitic Schist & Mudy Schist	Alternation of drk grey m-f.gd mudy psamitic schist & blk mudy schist Hm stain along schistosity with qtz veinlets swarm	grey -dark grey /black	Py and/or Asp; Silic	40
							39
120							302

site: MDDH-11 Depth (m): 120-150.00m No. 4/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
120			Alternation of Mudy Psamitic Schist & Mudy Schist	Alternation of drk grey m-f.gd mudy psamitic schist & blk mudy schist Hm stain along schistosity with qtz veinlets swarm	grey -dark grey /black	Py and/or Asp; Silic; Chlorite	66
							35
		∠40°					17
							26
							46
							27
		∠60°					33
							40
		Py/As-Py diss					27
130		Py<As-Py diss &Py film					46
							54
							27
		∠62°					42
		Py<As-Py diss &Py film					37
							30
							40
							42
		Py>>As-Py diss					49
							18
140			140.05				19
			Altered diorite 140.85	Altered diorite	dark green		21
			Psamitic Schist	Silic (wk) fine to medium grained psamitic schist with bio	dark grey		15
							19
							14
							15
							17
							15
							45
							30
150			150.00				36
160							

site: MDDH-12 Depth (m): 0-40m No. 1/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
0			Laterite	0.00-0.40m; Hard carapace, 0.40-0.70m; Soft carapace, 0.70-1.40m; Saprolite	brown	Hematite	25
			1.40				13
				Fine to medium grained psamitic shist, qtz grain (ϕ 2-4mm) bearing 4.30 ∠40° Hm+cloudy wht. Qtz vein 5.77~∠45° Hm+c.s grained cloudy wht.	red brown -dark brown /black		11
		4.30m (10mm) Hm &cloudy wht Qtz Vn ∠40°					12
							13
		5.77m (40mm) Hm &coarse grained cloudy wht Qtz Vn with small amount of Bio ∠45°					11
		∠40°	5.76	Very fine to medium grained psamitic schist with Hm (stain), Bio (5%), medium grained qtz. grain bearing blk mud interbeded			21
							55
							1648
10							560
					red brown		16
							14
							28
							25
							14
			15.25				37
				Qtz (ϕ 1mm) bearing medium grained psamitic schist with v.f. dark gray bio accompanied with intense Hm stain	red brown		19
			Psamitic Schist				21
							15
			19.10	Fine to medium grained psamitic shist with v. f. gd.dk grey bio. with Qtz vein (1-7mm) bearing			7
20							11
		21.68m (15mm), 22.55m (10mm) Hm, Py&coarse grained wht Qtz Vn ∠50-75°					17
				Blk pelitic shist			15
					red brown		13
							18
		25.20m (12mm) Bio rich, cloudy wht Qtz Vn, dusty					10
							16
							17
							19
			29.20				17
30		29.08m (10mm) Hm&coarse grained Qtz Vn	29.65	29.20-29.65m; Hard pelitic schist-mudstone	black	Chlorite	14
				Fine grained psamitic shist with small amount of Bio Hm (m-str),chl (wk), Qtz vein (1-6mm) bearing	dark brown -red brown		16
		30.06-30.75m Hm&Qtz Vn (40%) chloritized, no Py					18
							57
		34.60-34.80m Hm&Qtz Net Vn (30%)	34.85	34.42-34.85m; Pelitic schist, Chloritized			1489
				Fine to medium grained psamitic schist with dk grn spots.	red brown		13
		35.80m (50mm) strong Bio rich L. gry dusty Qtz Vn ∠15°					24
							7
							8
40							5

site: MDDH-12 Depth (m): 40-80m No. 2/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
40				Fine to medium grained psamitic shist with dk grn spots	red brown	Chlorite	5
		41.55m (10mm) Hm&cloudy wht dusty Qtz Vn∠65°					5
							5
		45.25m (10mm) Hm&dusty coarse grained Qtz Vn∠40°					38
							43
							33
							30
							20
		48.25m (18mm) Hm(str)&L. gry Qtz Vn∠35°		48.52 Fine grained psamitic shist			904
50				Very fine grained psamitic schist interbeded with thin bk mud	red brown /dark brown -dark grey		138
		50.12m (12mm), 51.05m (13mm) Hm&L. gry Qtz Vn ∠30-66°		49.94	red brown		16
				51.10 Silic coarse grained psamitic shist	red brown		19
				52.48 Fine grained psamitic shist	red brown -dark brown /black		26
		53.25m (50mm), 54.02m (26mm) Hm(str)&L. gry Qtz Vn∠55°		53.45 Very fine grained psamitic schist interbeded with thin bk mud	brown-dark grey		28
		55.31-55.53m (22mm), Hm&cloudy wht Qtz, with Bio chloritized spot bearing ∠34°		54.25 Fine grained psamitic shist with dk grn spots	red brown -dark brown /black		33
							41
							49
				57.40 Very fine grained psamitic schist interbeded with thin bk mud	dark brown		18
				57.85 Fine grained psamitic shist with dk grn spots	red brown		14
60				59.20 Fine to medium grained psamitic shist interbed with qtz veinlets	red brown	Hematite Chlorite	18
			Psamitic Schist				28
							17
							16
				63.70 Fine grained psamitic shist with dk grn spots	red brown		18
							20
		65.27m (18mm) Hm(str)&L. gry Qtz Vn, chloritized∠72°					32
							18
							23
70							16
							16
							24
		72.54m (15mm) gry Qtz Vn∠42°					13
							14
				73.52			15
		74.39m (20mm) Hm&gry Qtz Vn, chloritized∠62°	Psamitic Schist and Pelitic Schist	Thinnly beded alternation of coarse to medium grained psamitic schist and pelitic schist with Qtz veinlets swarm interbeded	brown dark grey /dark brown-grey /dark grey -black		36
							32
		79.50m (22mm) Hm&L. gry Qtz Vn, milky wht clay fill in joint chloritized ∠54°					15
							21
							16
80							20

site: MDDH-12 Depth (m): 80-120m No. 3/4

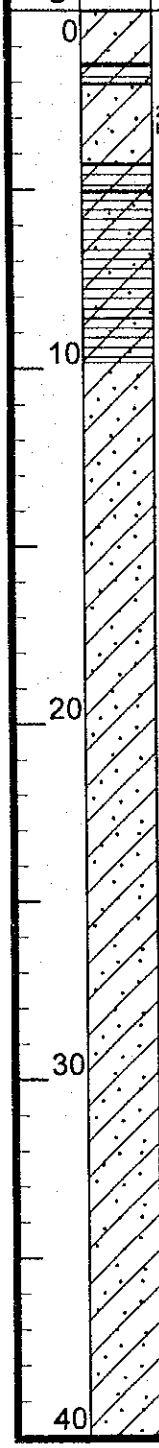
depth (m)	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
80			Thinnly beded alternation of coarse to medium grained psamitic shist and pelitic schist Qtz veinlets swarm interbeded	dark grey-black	Silic	45
		80.90 Pelitic schist	Blk pelitic schist	black-dark grey		213
		81.62	Silic v.f. grained psamitic shist with densely hm.stain	dark brown		10
						61
		84.44 Silic Psamitic Schist	V.f. grained psamitic shist with densely hm.stain	pale green -grey		34
						32
	86.88m (13mm) Hm&L. gry Qtz Vn ∠64°	86.83	Silic coarse grained psamitic shist with blk. Schist	dark brown -dark grey		40
						28
	88.17m (12mm) L. gry Qtz Vn∠52°	89.05		dark grey		23
90						27
		90.30	Silic (wk) m. grained psamitic schist	dark brown -dark grey		29
						26
		93.00				12
	95.81m (14mm) Hm&L. gry Qtz Vn chloritized∠75°	Fine Grained Psamitic Schist	Fine grained psamitic schist Qtz.veinlets swarm	red brown		13
						14
	96.59m (12mm), 96.75m (12mm) Hm&L. gry Qtz Vn ∠52-78°					17
						19
						21
	97.52m (20mm), 100.39m (19mm) pale grn Qtz Vn chloritized∠52-78°					17
100						27
						20
		101.45				24
			Silic m. grained psamitic shist with Qtz.veinlets swarm	dark grey		27
		103.63				17
			Silic m. grained psamitic schist with mudy v.f.gd psamitic schist. Qtz.veinlets swarm	red brown		16
		Silic Psamitic Schist				20
						16
						26
						21
110						33
						13
						13
						22
		113.82				27
	114.43m (8mm), 115.01m (2mm), 115.48m (12mm) Hm&L. gry Qtz Vn partly chloritized ∠32-75°		Silic (wk.) fine to medium grained psamitic shist	red brown /dark grey		24
		116.45				24
			Alternation of blk.hard mud & f.gd.psamitic schist	black/grey		221
	117.75m (20mm), 119.29m (12mm) Hm&Qtz Vt					27
						29
120						28

Hematite

site: MDDH-12 Depth (m): 120-150.00m No. 4/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration	Mineralization	Au (ppb)
120		121.68m (50mm) wht Qtz Vn chloritized ∠70°	Alternation of Mud & Psamitic Schist	Alternation of blk.hard mud & f. gd. psamitic schist	black /dark grey	Silic	Py and/or Asp	29
		125.38m (10mm) Py (wk)&L. grey Qtz Vt ∠50°						25
								28
								28
								28
								29
								32
			127.64					348
		127.75-127.82m, 129.17m (14mm) wht-milky wht Qtz, with Cc Net Vt ∠50°	Alternation of Mud & Silic Psamitic Schist	Alternation of blk.hard mud & silic (m) f. gd. psamitic schist	black /dark grey			26
130								20
								27
								144
								80
								16
								893
								7
								127
								8
								12
140								12
								11
								90
								43
								16
								14
								20
								17
								14
								203
150			150.00					14
160								

site: MDDH-13 Depth (m): 0-40m No. 1/4



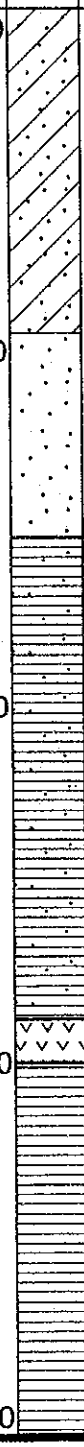
Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
	Psamitic Schist and Pelitic Schist	Medium grained psamitic schist with Hm. along schistosity	red-brown	Hematite	11
		Pelitic schist with Hm. along schistosity (1.53–2.05)	brown-dark grey	Hematite	22
2.56m (10mm) Hm&brecc Qtz Vn		Fine grained psamitic schist	red-brown	Hematite	5
				Hematite	5
		Medium grained psamitic schist with grn. spots (4.35–4.93)	brown-dark grey	Hematite	21
		Fine grained psamitic schist with grey pelitic schist (4.93–9.64)	red-brown	Hematite	5
				Hematite	5
				Hematite	8
				Hematite	11
				Hematite	5
	Psamitic Schist	Medium grained psamitic schist with Hm. films	dark brown	Hematite	12
		Fine grained psamitic schist with Hm. films (11.75–13.40)	red brown	Hematite	5
				Hematite	5
		Medium grained psamitic schist with Hm. films (13.40–14.17)	red brown -dark brown	Hematite	9
		Fine grained psamitic schist with Hm. films	dark grey -grey-brown	Hematite	5
				Hematite	12
				Hematite	9
				Hematite	11
		Coarse grained psamitic schist with rich Hm. films (18.16–20.05)	purple -red brown	Hematite	5
				Hematite	6
		Fine grained psamitic schist with Hm. films	red brown	Hematite	26
				Hematite	29
		Fine grained psamitic schist with grn. spots of chl. (22.30–24.40)	red brown	Hematite	32
22.74-22.94m Hm(str)&L.gry Qtz Vn, chloritized, bearing brecc				Hematite	22
23.80-23.90m Hm&Qtz Net Vn				Hematite	19
		Fine to medium grained psamitic schist with qtz films	red brown	Hematite	23
26.60-26.83m Hm&gry brecciated Qtz Net Vn				Hematite	31
				Hematite	14
27.99m (30mm) Hm&gry Qtz Net Vn chloritized, bearing brecc ∠60°				Hematite	17
				Hematite	29
				Hematite	35
		Coarse grained psamitic schist with Hm. films (30.65–31.90)	purple -red brown	Hematite	13
		Fine grained psamitic schist with Hm. films Agrn. spots along qtz veinletslong	red brown	Chlorite	14
				Chlorite	18
				Chlorite	11
				Chlorite	10
36.93-37.12m, 38.48-38.65m Hm&gry Qtz Net Vn				Chlorite	9
				Chlorite	12
				Chlorite	157
				Chlorite	11

site: MDDH-13 Depth (m): 40-80m No. 2/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
40				Fine grained psamitic schist with Hm. films Agrn. spots along qtz veinletslong			37
		41.42m (30mm), 44.20m (12mm) L. gry-gry Qtz Vn ∠52-70°					9
							9
				44.23-45.65m; dk bw -blk silic very fine gd psamitic schist	red brown		11
							9
			44.93				
				Silic medium grained psamitic schist	red brown/black		22
			46.10				
		46.30m (Max10mm) 46.51m (13mm) L. gry Qtz Vn ∠74-75°		Fine grained psamitic schist with Hm. films	red brown -brown		17
							18
			47.65				
			Psamitic Schist	Bio bearing medium grained psamitic schist	red -dark brown	Chlorite Pyrite	7
50							12
							245
		52.36m (20mm) grn gry Qtz Vn chloritized around Qtz vein ∠22°					1211
							25
			53.30				9
				Silic medium grained psamitic schist with dk grn.-grn. chl spots			6
							7
				53.30-53.70m; Silic blk Pelitic schist with Hm. along schistosity			12
							12
							23
60					red dark brown		18
							16
							17
							18
							140
							24
		65.50m (25mm) grn Qtz Vn with Cc vein ∠24°					16
			66.05				
				Silic fine to medium grained psamitic schist with qtz films			431
		∠40°					15
							8
				66.05-66.58m; Bio rich medium grained psamitic schist with qtz-ca veinlets bearing	dark grey -black		5
70							5
							6
		71.10m (14mm) gry Qtz Vn∠63°	71.17				
				Very fine grained thinnly laminated sandstone with dk grn. chl spots			5
							10
		73.80-73.88m gry Qtz Vn∠54°		71.17-71.37m; Sheared zone			21
			Sandstone		red brown		5
							10
		76.59m (25mm) Hm&L.gry Qtz Vn ∠50°					9
							6
80		∠34°					6

Silic & Hematite
Chlorite
Chlorite

site: MDDH-13 Depth (m): 80-120m No. 3/4



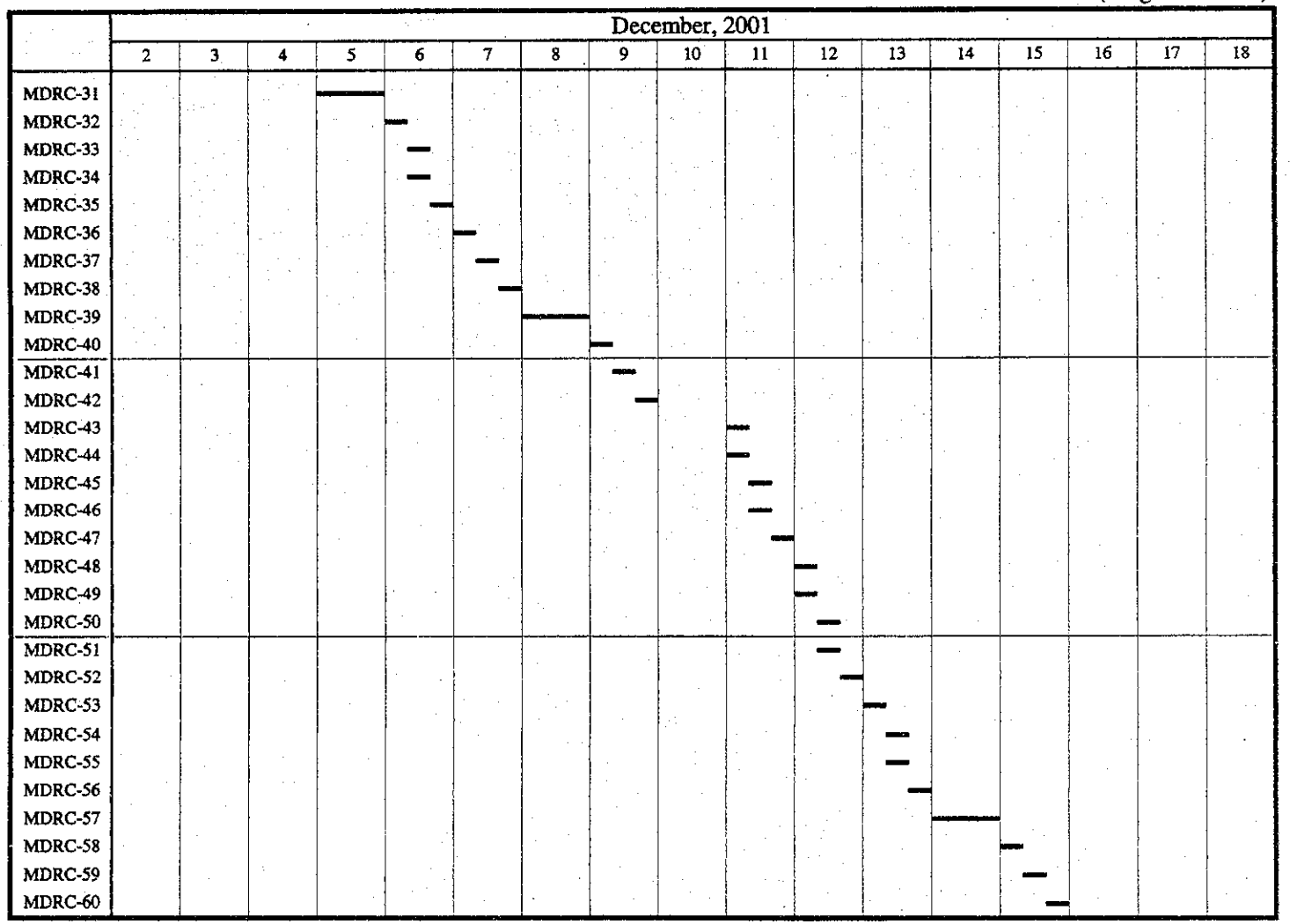
Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
		Silic (wk) fine to medium grained psamitic schist with dk grn. chl spots	red brown	Hematite; Py and/or Asp, Chlorite	231
					59
					121
					57
	64.15	Fine grained psamitic schist with Hm. films	red brown		125
∠50°	Psamitic Schist				8
	86.68	Fine grained psamitic schist	red brown		9
87.40m (15mm), 87.57m (18mm) Hm&pale gry Qtz Vn ∠40°					23
	89.05	Silic(wk) fine to medium grained psamitic schist with dk grn. chl spots	dark grey /dark brown		14
89.50m (50mm) Hm&dark grn Qtz, chloritized					20
				Chlorite	102
90.77m (10mm), 91.36m (10mm) gry Qtz	91.50	Fine grained psamitic schist with grn. spots of chl.	red brown		68
∠50°					11
∠43°	94.60	Coarse grained psamitic schist			13
					28
		Alternation of drk grey silic f gd psamitic schist & blk Pelitic schist		Silic	38
					38
					25
					32
	Alternation of Psamitic Schist & Pelitic Schist		red brown /dark grey		40
					57
					42
					16
					42
					34
					45
106.06-106.48m Hm rich gry Qtz Net Vn				Py and/or Asp	17
					19
107.88m (4mm) Hm&gry Qtz Net Vn, chloritized ∠80°	108.16 Diorite -Andesite	Altered diorite-andesite	dark grey -black		25
					75
	109.27	Alternation of drk grey silic f gd psamitic schist & blk Pelitic schist	dark green.- grey		27
		111.12-111.32m; Qtz vein			14
111.12-111.32m (4mm) wht-pale gry Qtz Vn ∠62°	111.32	Alternation of drk grey silic f gd psamitic schist & blk Pelitic schist showing reverse grading			16
					22
	Alternation of Pelitic Schist & Psamitic Schist		dark green /black /brown-grey		17
				Chlorite	35
					105
					35
					23
					19

site: MDDH-13 Depth (m): 120-150.45m No. 4/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration / Mineralization	Au (ppb)
120		∠48°	Alternation of Psamitic Schist & Pelitic Schist	Alternation of drk grey silic f gd psamitic schist & blk Pelitic schist showing reverse grading	dark green /black /brown-grey	Silic; Py and/or Asp; Chlorite	59
		∠51°					19
		122.78-122.90m L. gry Qtz Vn chloritized, Hm ∠36°					32
							25
							18
		∠58°					27
		∠65°	Diorite-Andesite 125.80	Altered diorite-andesite	dark green.		39
			126.75	Alternation of drk grey silic f gd psamitic schist & blk Pelitic schist			34
							35
130		∠36°					36
							25
							11
							12
							25
		∠50°					27
							24
			Alternation of Psamitic Schist & Pelitic Schist		black /dark grey		18
							31
							48
140		∠41°					20
							15
							28
							28
		∠43°					105
		144.24m (17mm) dk. gry Qtz Vn chloritized ∠50°					42
							68
							50
							443
							48
150		∠43°	150.45				35
160							

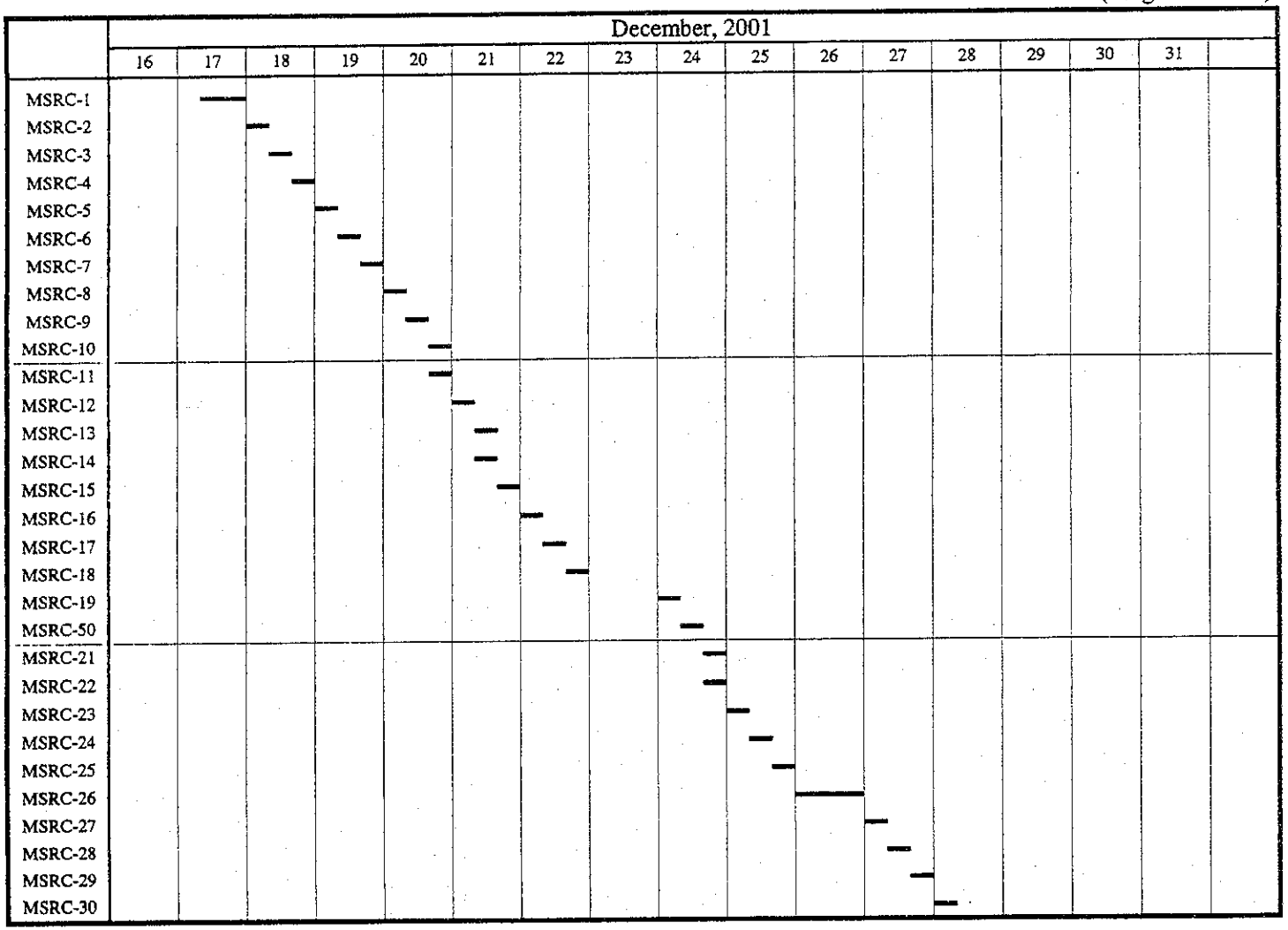
Ap.6 Progress results & Shedule of RC drilling holes (1)

(Progress results)



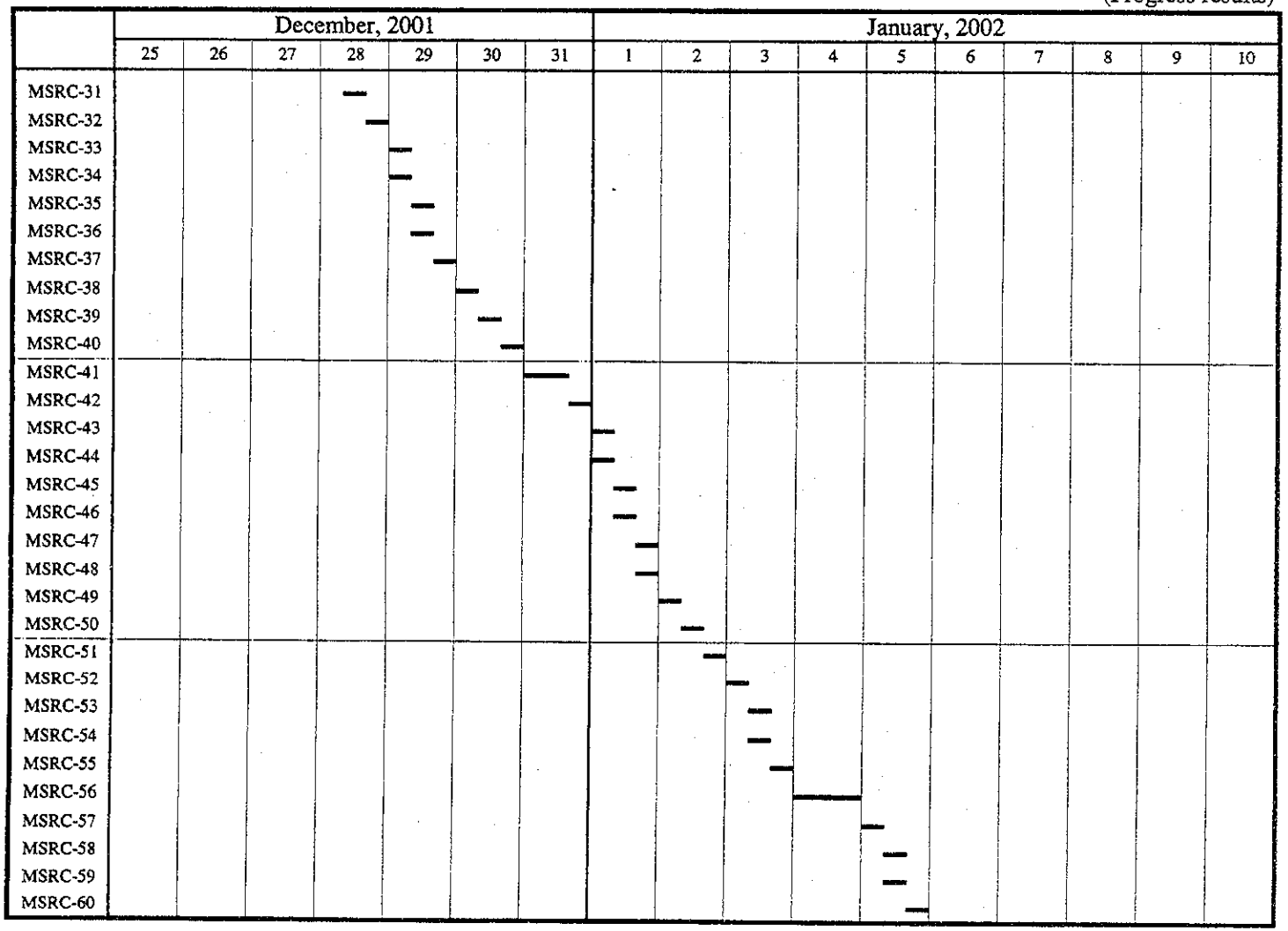
Ap.6 Progress results & Shedule of RC drilling holes (2)

(Progress results)



Ap.6 Progress results & Shedule of RC drilling holes (3)

(Progress results)



Ap. 7 List of the RC Drilling Equipment and Amount of Consumed Materials

(Equipment)

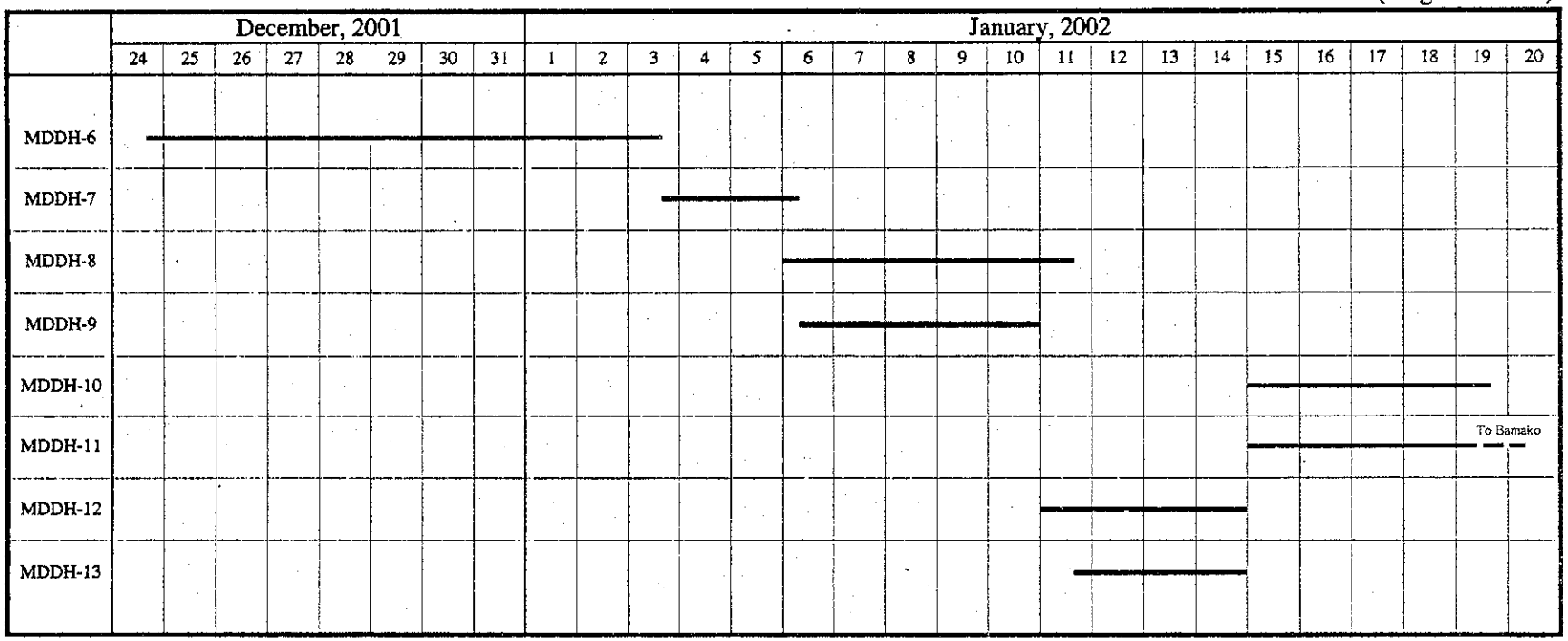
Denomination	Model
Drilling machine	RESKA30-F95, 6x6 trucking
Compressor	Ingersoll-Rand x 1, Power 21 bar/min, mount on 6 x 6 truck
Air hammer	Bourons, ϕ 5"1/2 x 3
Rod	RC50 ϕ 4"1/2 ,3mx 40
Truck	Truck as lod carrier x 1
Clinometer	Tropari
Other materials	Fishing tap(tarauds), Socket/screw bell(cloche)
Power unit	A2-72-4

(Consumed Materials)

Article	unit	Quantity
Cemented Tungusten bit(133mm)	Pcs	17
Cemented Tungusten bit(137mm)	Pcs	21
Diesel	L	22,150
grease	kg	29.4

Ap.8 Progress results & Shedule of diamond drilling holes

(Progress results)



Ap. 9 List of the DD Drilling Equipment and Amount of Consumed Materials

(Equipment)

Denommination	Model
Drilling machine	RESKA30-F95, 6x6 trucking & Ry38
Rod	RC50 ϕ 88.9m/m:3mx 20, ϕ 76.0m/m:3mx 60
Truck	Truck as lod carrier x 1
Clinometer	Tropari
Power unit	A2-72-4
Pompe	MG-15
Other materials	Fishing tap(tarauds), Socket/screw bell(cloche)

(Consumed Materials)

Article	unit	Quantity
Cemented Tungusten bit(97.5mm)	Pcs	6
Cemented Tungusten bit(76.5mm)	Pcs	11
Diesel	L	6,970
grease	kg	35.0
Core box	Pcs	250
Bentonite	L	345

Ap. 10 Le résultat de l'examen par le microscope (lame rocheuse, lame polie)

Thin Section (1)

No.	Sample No.	Rock name	Texture	Minerals																												Remarks
				Quartz	Plagioclase	Albite	K-feldspar	Microcline	Clinopyroxene	Orthopyroxene	Pigionite	Hornblende	Actinolite	Biotite	Muscovite	Calcite	Apatite	Chlorite	Chloritoid	Epidote	Tourmaline	Zircon	Hematite	Pyrite	Magnetite	Titanite	Talc	Graphite	Corundum	Prehnite	Stilpnomelane	Opque mineral	
1	MDDH-1 82. 66T	Biotite-Muscovite-chloritoid schist	Schistosity	◎		◎								○	○			○	○		·					·						·	Chloritoid is completely altered to chlorite.
2	MDDH-6 100. 60T	Hornfels after dacite	Blast-porphyritic	◎	○									◎			○															○	
3	MDDH-7 25. 12T	Red-colored ferruginous(?)	Schistosity	○		○								○	○			◎														◎	
4	MDDH-7 76. 1T	Hornfels after andesite(?)	Blast-porphyritic	◎	◎							○		◎			+	+								+	+					+	Hornblende and biotite are partly replaced to talc and chlorite, respectively.
5	MDDH-8 73. 80T	Biotite-Muscovite-chloritoid schist	Schistosity	◎		◎								○	◎			○	○		·					·						○	Chloritoid is completely altered to chlorite.
6	MDDH-8 134. 45T	Hornfels after andesite(?)	Blast-porphyritic	○	○									◎			○									+						+	
7	MDDH-8 160. 5T	Psammitic biotite schist	Schistosity	◎		◎							◎	◎		·	·	○								+						○	
8	MDDH-9 88. 0T	Hornfels after andesite(?)	Blast-porphyritic	◎	◎							◎		◎			○									○						+	
9	MDDH-9 97. 18T	Biotite-muscovite schist	Schistosity	◎		◎								◎	◎			○								○						○	
10	MDDH-9 103. 6T	Biotite-Muscovite-chloritoid schist	Schistosity	◎		◎								◎	◎			○	○		·					+						◎	Chloritoid is completely altered to chlorite.
11	MDDH-10 108. 80T	Hornfels after andesite(?)	Blast-porphyritic	◎	○							○		◎			·	○								·	○					+	Hornblende and biotite are partly replaced to talc and chlorite, respectively.
12	MDDH-10 149.45T	Biotite schist	schistosity	○	○									◎			·	+							+			·					Chlorite occurs as pseudomorphs after biotite and as porphyroblastic grains, whose long axes are oblique to the schistosity.
13	MDDH-11 103.85T	Biotite hornfels	blastoporphyritic, granoblastic	○	○			·						○		·	·	+				·			·	·							Blastoporphyritic texture after quartz porphyry.
14	MDDH-11 115.2T	Biotite schist	schistosity	○	○									◎			·	+		·					·			·					
15	MDDH-11 119.9T	Biotite graphite schist	schistosity	○	○									◎			·	·							+	·		○					Pink-colored, pleochroic, euhedral carbonate mineral (rhodochrosite?) rarely occurs as small
16	MDDH-11 38.8T	Biotite schist	schistosity	○	○									◎	·			◎							·						·		Red-colored muscovite-biotite-chlorite schist. Red chlorite is abundant in the matrix.
17	MDDH-11 119.15T	Biotite schist	blastopsammitic	○	○									◎	·		·	+							·								Some large apatite crystals (up to 1mm size) are observed in plagioclase-quartz vein.
18	MDDH-11 95.1T	Biotite-muscovite shist	Shistosity	○	○									◎	○		+	+							+	·		·	?				The schistosity is defined by the preferred orientation of biotite and muscovite.

Thin Section (2)

No.	Sample No.	Rock name	Texture	Minerals																														Remarks
				Quartz	Plagioclase	Albite	K-feldspar	Microcline	Clinopyroxene	Orthopyroxene	Pigeonite	Hornblende	Actinolite	Biotite	Muscovite	Calcite	Apatite	Chlorite	Chloritoid	Epidote	Tourmaline	Zircon	Hematite	Pyrite	Magnetite	Titanite	Talc	Graphite	Corundum	Prehnite	Sillpnomelane	Opque mineral		
19	MDDH-12 134.0T	Biotite graphite shist	Shistosity	○	○									◎		·	·	+							+	·		○						Apatite(up to 0.7mm size) is observed in the thick quartz-albite veins. Biotite is sometimes replaced by chlorite.
20	MDDH-13 148.15T	Graphite biotite shist	Shistosity	○	○									◎		·	·	+							+			+						Thick quartz veins are abundant.
21	MDDH-13 51.1T	Meta-sandstone	Blastopsammitic	○	○									○	+			○							+			·						Red-colored, graphite-bearing muscovite-biotite-chlorite blastopsammitic schist.
22	S-2T	Muscovite biotite granite	Equigranular	○	○			+						+	+		·	·							·									Myrmekite is often observed and microcline is rarely observed..
23	S-173T	Two-pyroxene dolerite	Ophitic	·	◎		·		○	○				+		+		+							+					+				Some orthopyroxene crystals are rimmed by inverted pigeonite, which consists of lamellar aggregate of augite and hypersthene. There is filled by micrographic aggregate of quartz and K-feldspar.
24	S-177T	Biotite quartz monzonite	Equigranular	·	○		+	+						○	+		·	·				·			·									Quartz and plagioclase often shows wavy extinction, and plagioclase twins show bending, suggesting weak plastic deformation. Myrmekite is often observed and K-feldspar shows microcline twinning.
25	S-154T	Meta-sandstone	Blastopsamitic	○	+										+		+	○			·	·												Quartz, plagioclase and lithic fragmentsoccur as angular clastic grains. Muscovite, tourmaline, biotite, chlorite and graphite occur in the matrix.
26	S-164T	Three-pyroxene dolerite	Ophitic	·	◎		·		○	○	+			+		·	·	·							+									Pigeonite- and orthopyroxene-bearing dolerite with ophitic texture. Interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar.
27	S-186T	Ferruginous metasediment		+	+									?	·	·		○		·			○								?			Small needle-like hematite is abundant
28	S-201T	Biotite quartz monzonite	Equigranular	·	○		○	○						○	·		+	+				·			+									Myrmekite is often observed, and K-feldspar shows microcline twinning.

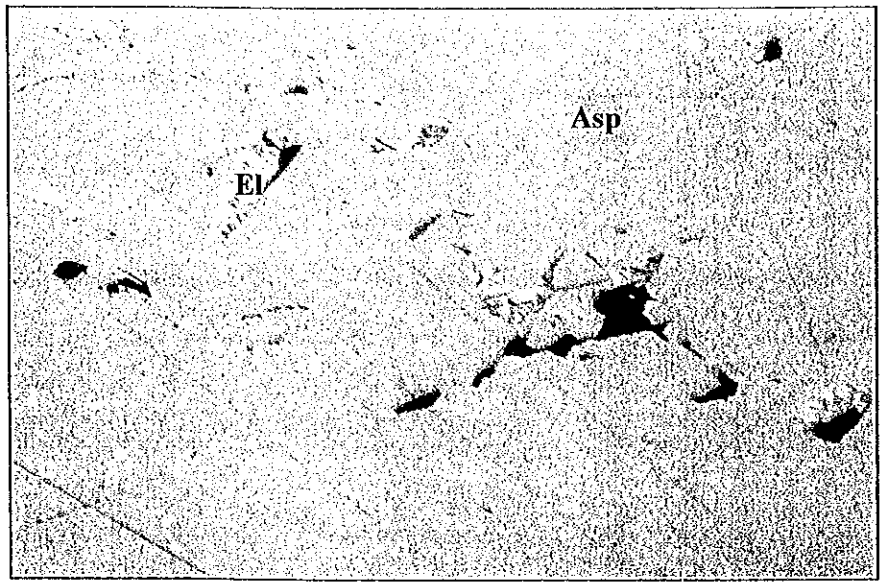
Polished section

No.	Sample	As	Cpy	Ilm	Mc	Po	Py	Sph	Gn	Ru	Elm(grains)	Met. Min.(%)
1	MDDH-6 134.7P	◎	(+)			(+)				△		3 to 5
2	MDDH-6 174.30AP	△	+			◎	○	+			7	<1
3	MDDH-6 174.30BP	(+)	+		(+)	◎	○	+				<1
4	MDDH-6 185.0P	◎	(+)			(+)	+			△	27	1 to 3
5	MDDH-7 69.3AP	◎	(+)				(+)	○				5 to 10
6	MDDH-7 69.3BP	◎	(+)					◎			2	1 to 3
7	MDDH-7 69.3CP	◎	(+)				(+)	◎			2	3 to 5
8	MDDH-7 69.3P	◎	(+)				(+)			△		3 to 5
9	MDDH-8 160.5AP	+	(+)	(+)		◎	(+)	△			5	1 to 3
10	MDDH-8 160.5BP	(+)	(+)	(+)		◎	(+)	△				1 to 3
11	MDDH-8 160.5BP	(+)	(+)	+		◎	+	△				1 to 3
12	MDDH-8 160.5BP	○	(+)	(+)		◎	+	+			1	<1
13	MDDH-8 173.2AP	◎	+	△		△	◎			+	209	>30
14	MDDH-8 173.2BP	△	+	+		◎	○			+		1 to 3
15	MDDH-8 173.64P	+	+	+		◎	△			+		<1
16	MDDH-8 173.75P		+	+			◎			+		1 to 3
17	MDDH-8 183.0AP	△		△	(+)	△	◎			△		<1
18	MDDH-8 183.0BP	△	+	(+)	+	◎	○			+		<1
19	MDDH-9 94.50AP	◎	(+)			+	◎			(+)		10 to 15
20	MDDH-9 94.50BP	◎	(+)			(+)	◎			(+)	13	3 to 5
21	MDDH-9 94.55AP	+	(+)				◎			(+)		15 to 20
22	MDDH-9 94.55BP	(+)	(+)				◎	(+)		(+)		1 to 3
23	MDDH-9 95.10P	+	(+)				◎	△		+		1 to 3
24	MDDH-9 95.13P	+	+			(+)	◎	(+)		+		<1
25	MDDH-9 95.16P		+			(+)	◎	(+)				3 to 5
26	MDDH-9 95.19P	△	+		(+)	○	◎	(+)	(+)	(+)		<1
27	MDDH-9 97.22AP	◎	(+)			(+)	◎			(+)		10 to 15
28	MDDH-9 97.22BP	◎	(+)	(+)		(+)	◎				2	5 to 10
29	MDDH-9 100.60P	◎	+	(+)	(+)	(+)	◎	△			12	3 to 5
30	MDDH-9 102.70P	(+)	(+)	(+)		(+)	◎	+				1 to 3
31	MDDH-9 103.60P	△	(+)	(+)			◎	+				<1
32	MDDH-10 149.50P		+			◎	(+)			(+)		1 to 3
33	MDDH-10 149.55P		(+)	(+)		◎	○		(+)	(+)		3 to 5
34	MDDH-11 52.8P						(+)	(+)				<1
35	MDDH-11 80.0P	(+)					(+)	+				<1
36	MDDH-11 92.4P						(+)	+				<1
37	MDDH-11 100.8P	(+)	(+)				◎	+				<1
38	MDDH-11 103.85P	○	(+)	(+)	(+)	△	◎	△	+			<1
39	MDDH-11 115.2P	(+)	(+)				◎	+				1 to 3
40	MDDH-11 117.9P	(+)	(+)				◎	+				1 to 3
41	MDDH-11 119.2P	△	(+)			(+)	◎	△				3 to 5
42	MDDH-11 119.9P	(+)	△				◎	△				<1
43	MDDH-11 133.0P		(+)		(+)	△	◎	(+)				1 to 3
44	MDDH-11 137.5P	(+)	(+)			+	◎	+				<1
45	MDDH-12 134.0AP		△			(+)	◎	+				3 to 5
46	MDDH-12 134.0BP		(+)			(+)	◎	+				1 to 3
47	MDDH-12 134.2P	(+)	(+)				◎	+				1 to 3
48	MDDH-12 134.25P		(+)				◎	+				1 to 3
49	MDDH-13 125.15P		(+)				◎	+				1 to 3
50	MDDH-13 148.2P	(+)	(+)			(+)	◎	△				3 to 5
51	MDDH-1 82.58P						(+)	+				<1

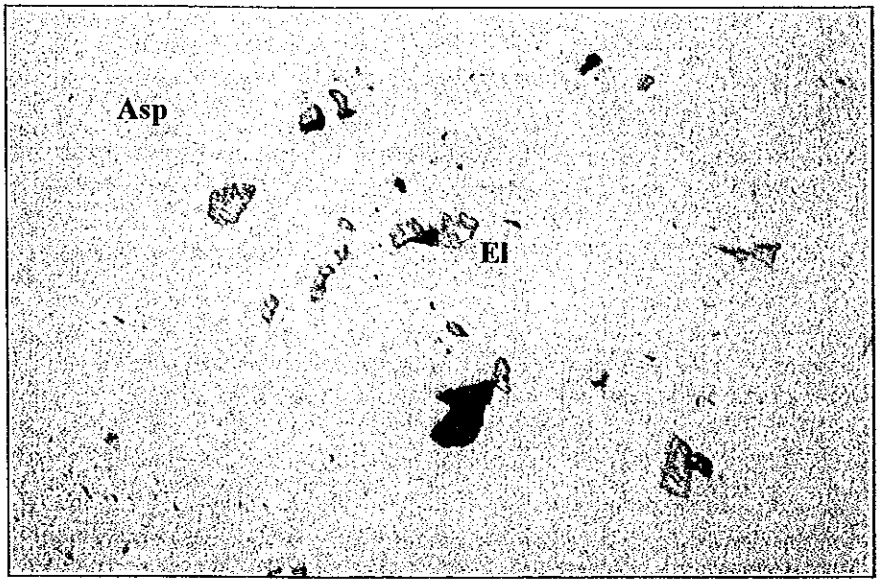
As:arsenopyrite, Cpy:chalcopyrite, Elm:electrum, Gn:galena, , Ilm:ilmenite, Mc:marcasite, Po:pyrrhotite, Py:pyrite, Ru:rutile, Sph:sphalerite, Met. Min. :metallic minerals

◎ ; >30% ○ ; 10 to 30% △ ; 3 to 10% + ; 1 to 3% (+) ; <1%

Sample: MDDH-6 185.00m



20 μ m



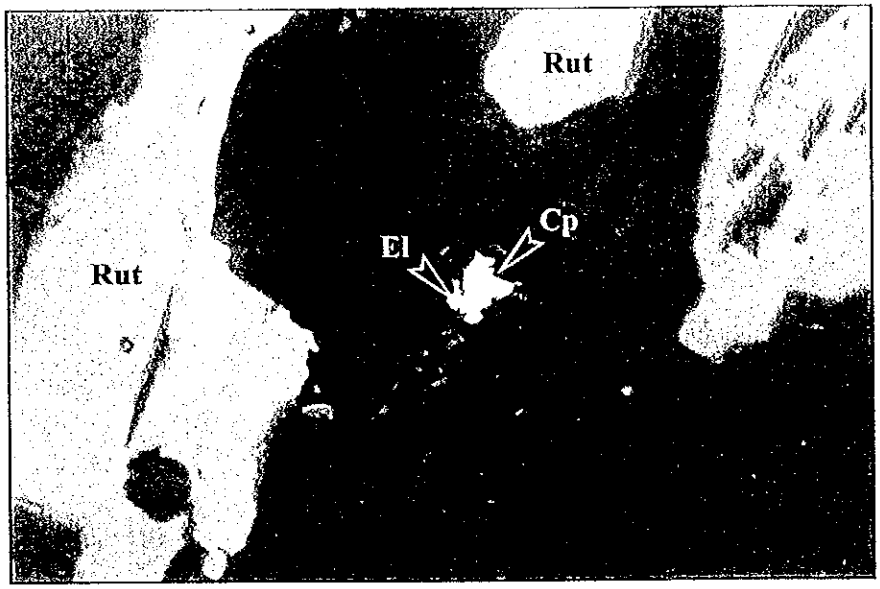
20 μ m

Arsenopyrite (Asp) is the most abundant metallic mineral in the sample. It has euhedral to anhedral crystals form (10 to 500 μ m, max. 0.8 mm), and shows a disseminated distribution. A small amount of anhedral pyrrhotite gains (10 to 150 μ m) sporadically distribute in rock. Several grains are included in the larger arsenopyrite grains. Some coexist with chalcopyrite or sphalerite.

A very small amount of anhedral to subhedral pyrite grains (10 to 30 μ m) and anhedral chalcopyrite grains (10 to 20 μ m) sporadically distribute in rock. Some chalcopyrite grains show close coexisting relationship with pyrrhotite. Only several anhedral sphalerite grains (10 to 20 μ min size) are found. One small unknown mineral is found to coexist with sphalerite. It is about 10 μ m in size, white color, reflectance index about 40%, and shows anisotropy. It may by a (Bi & Pb)-bearing mineral.

14 anhedral grains of electrum (El) are found as inclusions to occur in 4 arsenopyrite grains. These electrum grains are 2 to 10 μ m in size. A small amount of fine subhedral to euhedral rutile grains (5 to 50 μ m) sporadically distribute in rock.

Sample: MDDH-7 69.30m



20 μ m

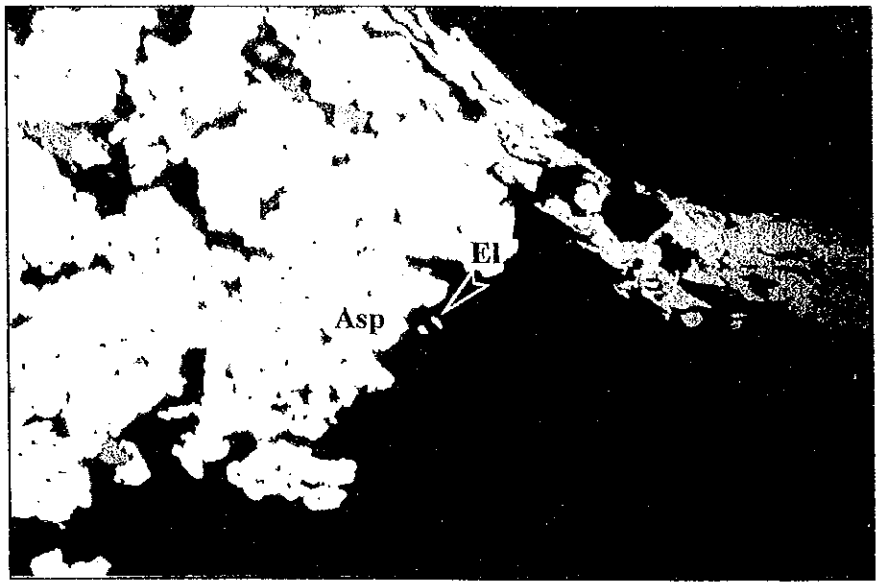
20 μ m

The major metallic mineral is arsenopyrite (Asp: 10 to 50 μ m, anhedral), which occurs with a sporadic distribution in host rock or as un-continue band in micro -fractures.

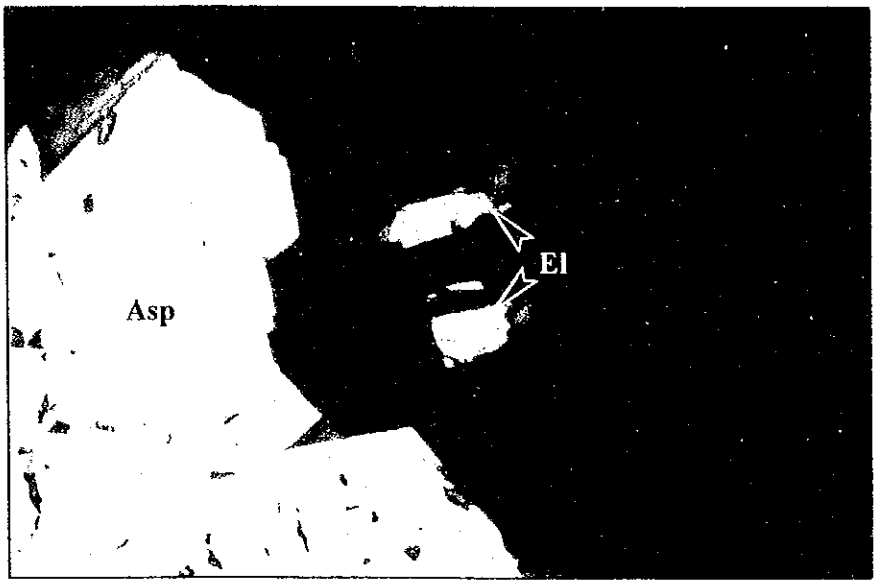
A very small amount of anhedral pyrite (15 to 50 μ m in size) and chalcopyrite (Cp: 10 to 30 μ m in size) sporadically occurs in rock.

Fine euhedral to subhedral rutile (Rut) grains (10 to 30 μ m in size) are disseminated in host rock, but some of them also form several 0.5 to 3 mm aggregates in a micro-fracture.

Sample: MDDH-9 97.22m



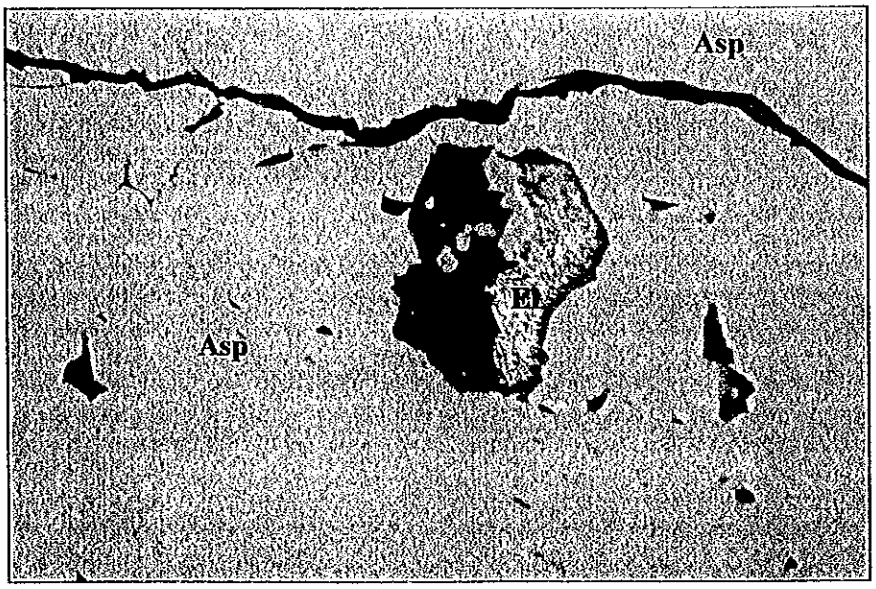
0.05mm



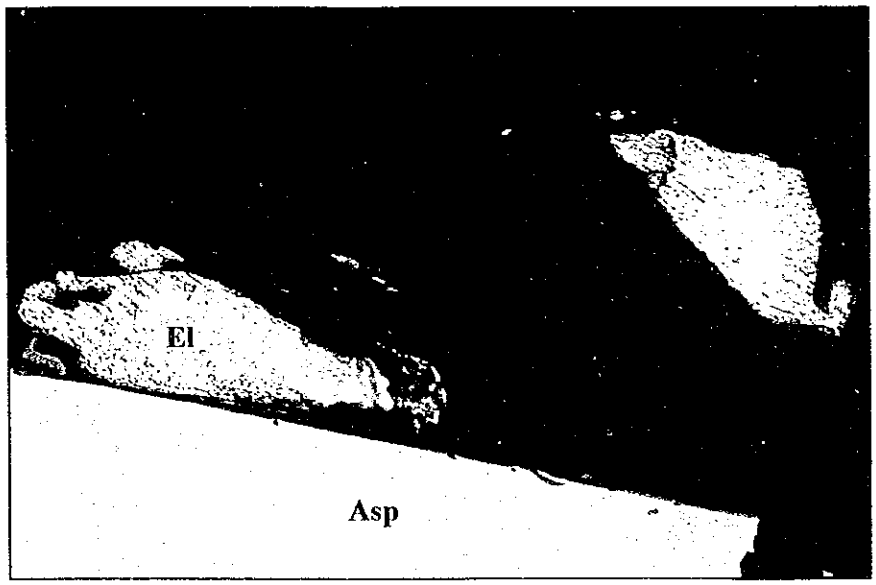
20 μ m

Fine grained (5 to 40 μ m, aggregates 100 to 500 μ m in size) arsenopyrite (Asp) occurs with a disseminated distribution. A small amount of anhedral pyrite (10 to 50 μ m in size) occurs as several micro-veinlets. A very small amount of chalcopyrite and pyrrhotite also occur in the sample. Pyrrhotite commonly occurs as fine inclusions. Tiny anhedral to euhedral ilmenite (5 to 30 μ m) and rutile (5 to 50 μ m) grains are sporadically distributed in the sample.

Sample: MDDH-9 100.60m



20 μ m



20 μ m

Euhedral to anhedral grains of arsenopyrite (Asp: 10 to 100 μ m, max. 0.5 mm; 3 mm for aggregate) and pyrite are major metallic minerals which show a disseminated occurrence.

Pyrite sometimes forms micro-veinlets (20 μ m x 0.4 mm), which surrounds arsenopyrite aggregate. A very small amount of anhedral chalcopyrite (5 to 20 μ m) sporadically occur in gangue minerals, arsenopyrite and pyrite. Fine grained pyrrhotite inclusions are found from arsenopyrite grains. A few macarsite grains are also found in arsenopyrite. It seems to replace pyrrhotite inclusions.

12 grains of electrum (El) were observed from the sample. Nine of them occur in arsenopyrite, and three of them occur in gangue minerals, which are near arsenopyrite. The sizes of 9 grains of electrum are <10 μ m, 3 grains are 20, 20 and 50 μ m respectively. Tiny rutile grains (about 5 to 50 in size) are disseminated in host rock.