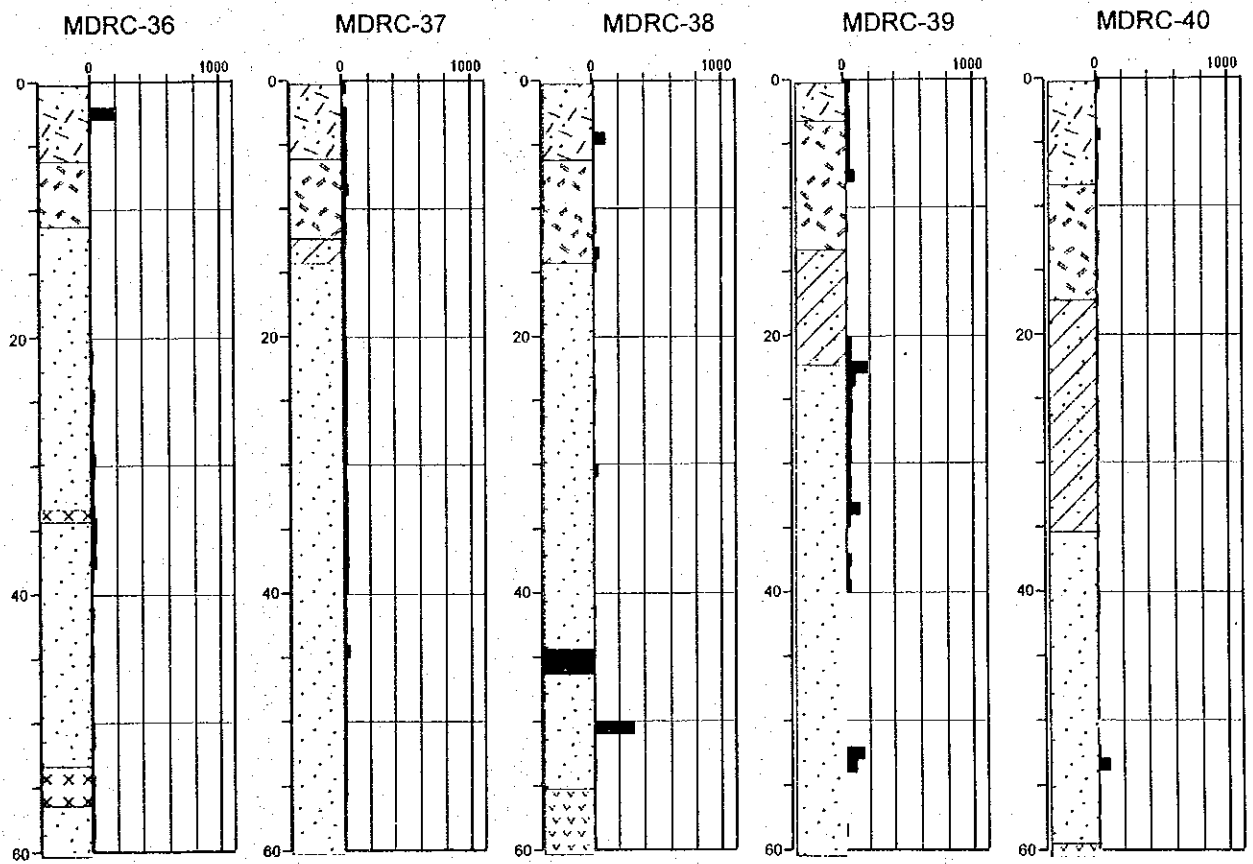
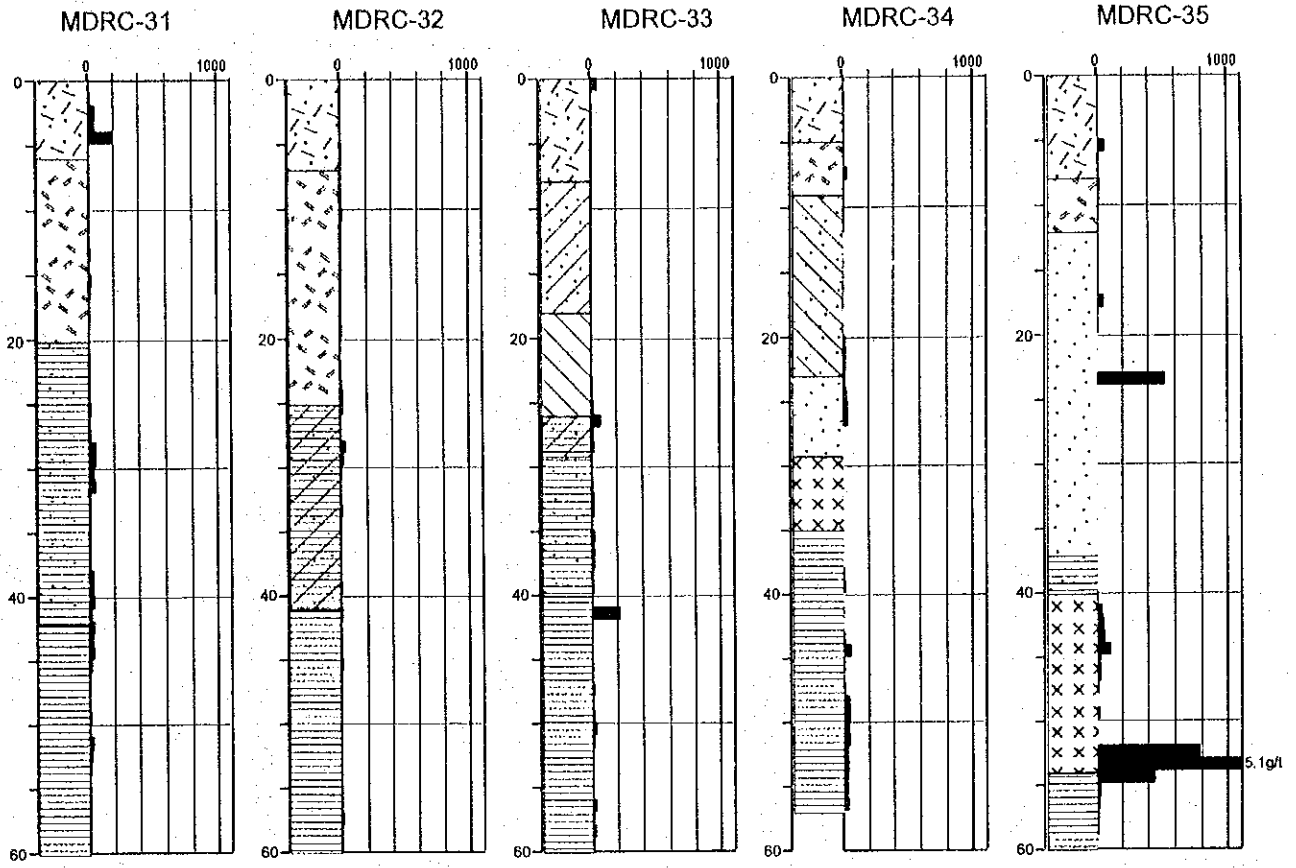
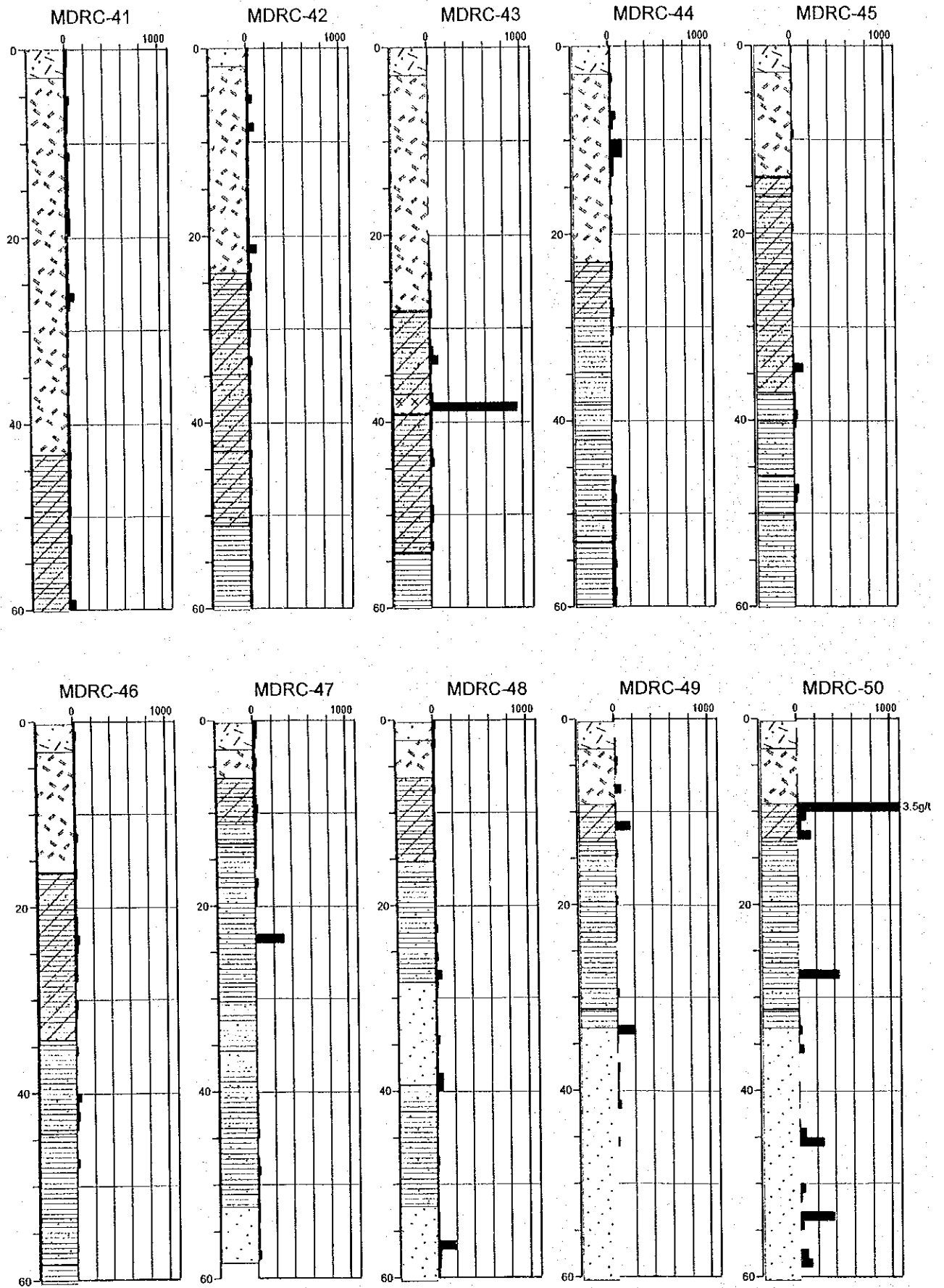


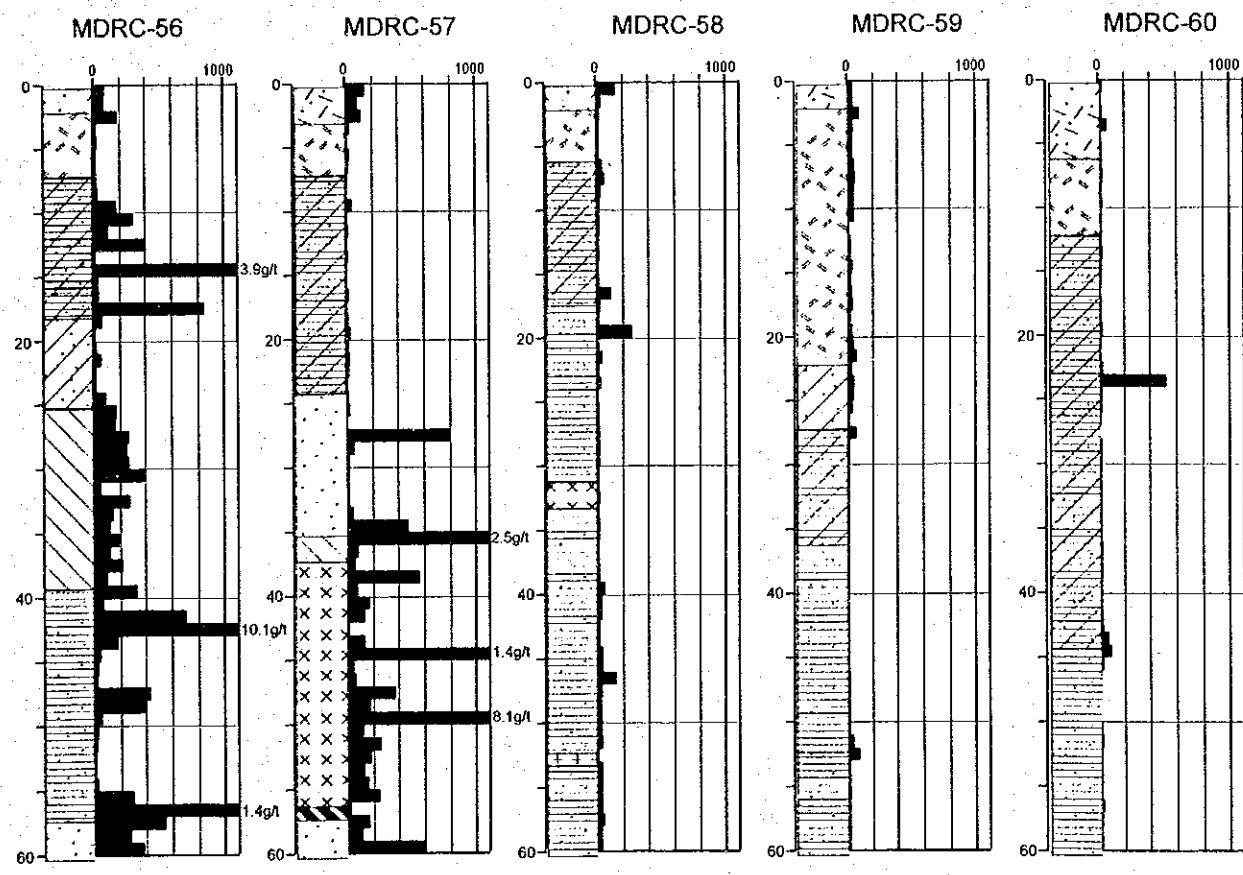
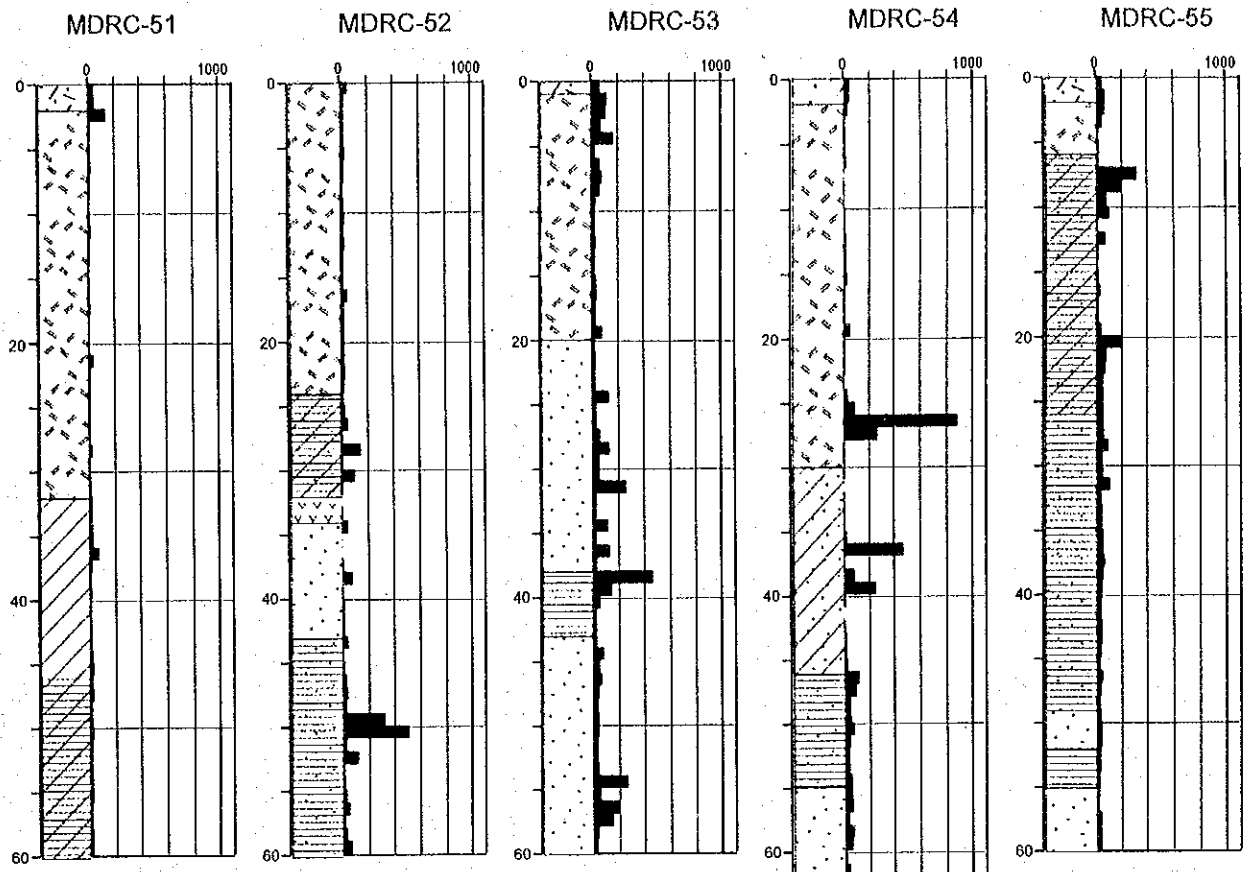
Ap.4 Au 濃集プロファイル (RC)



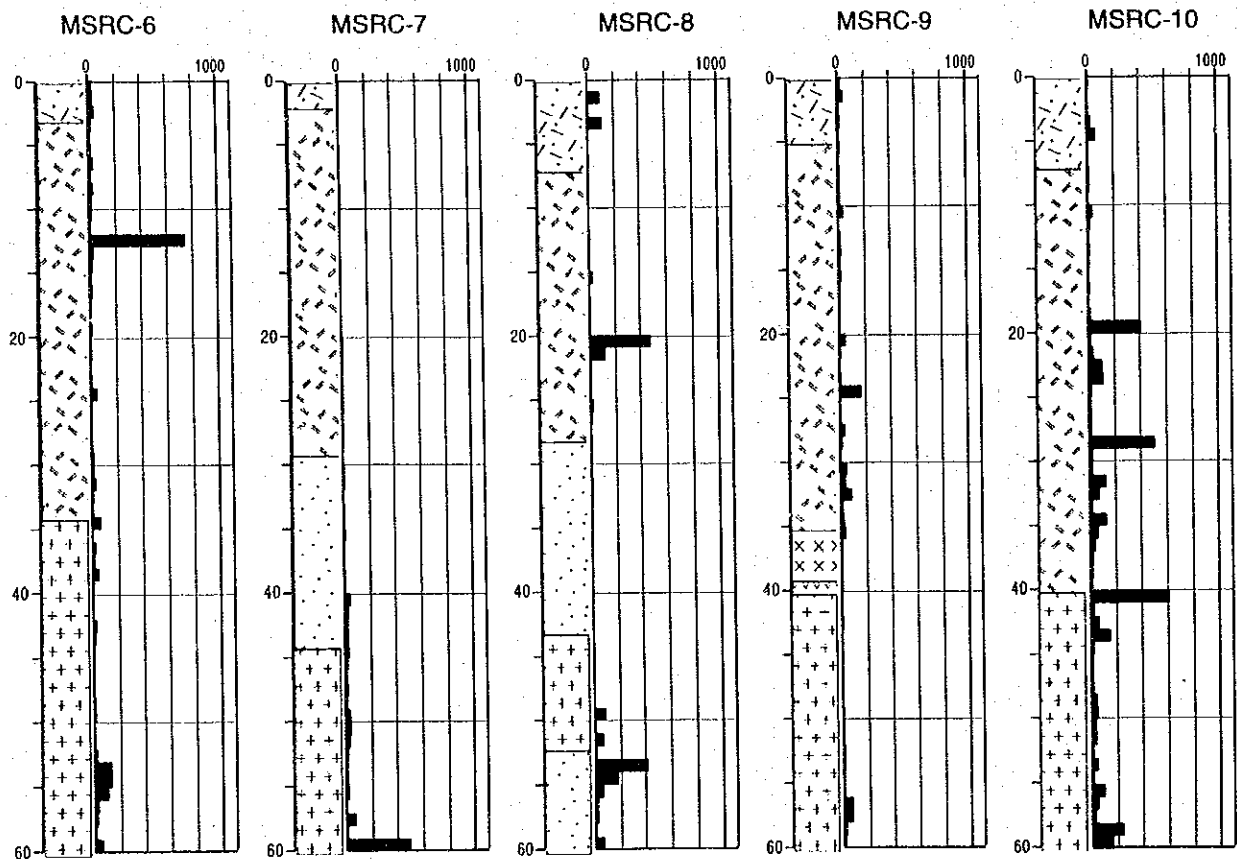
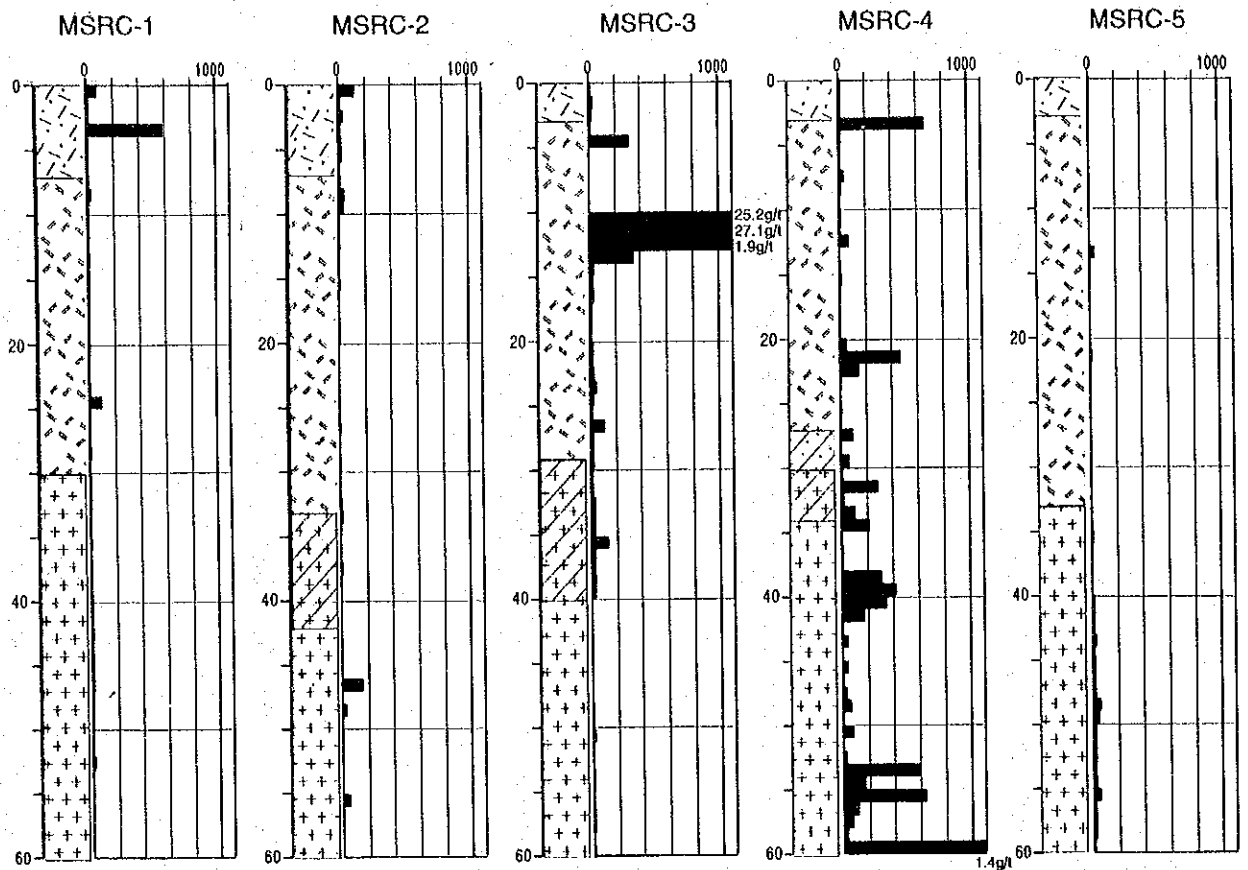
MDRC Au Profile (1)



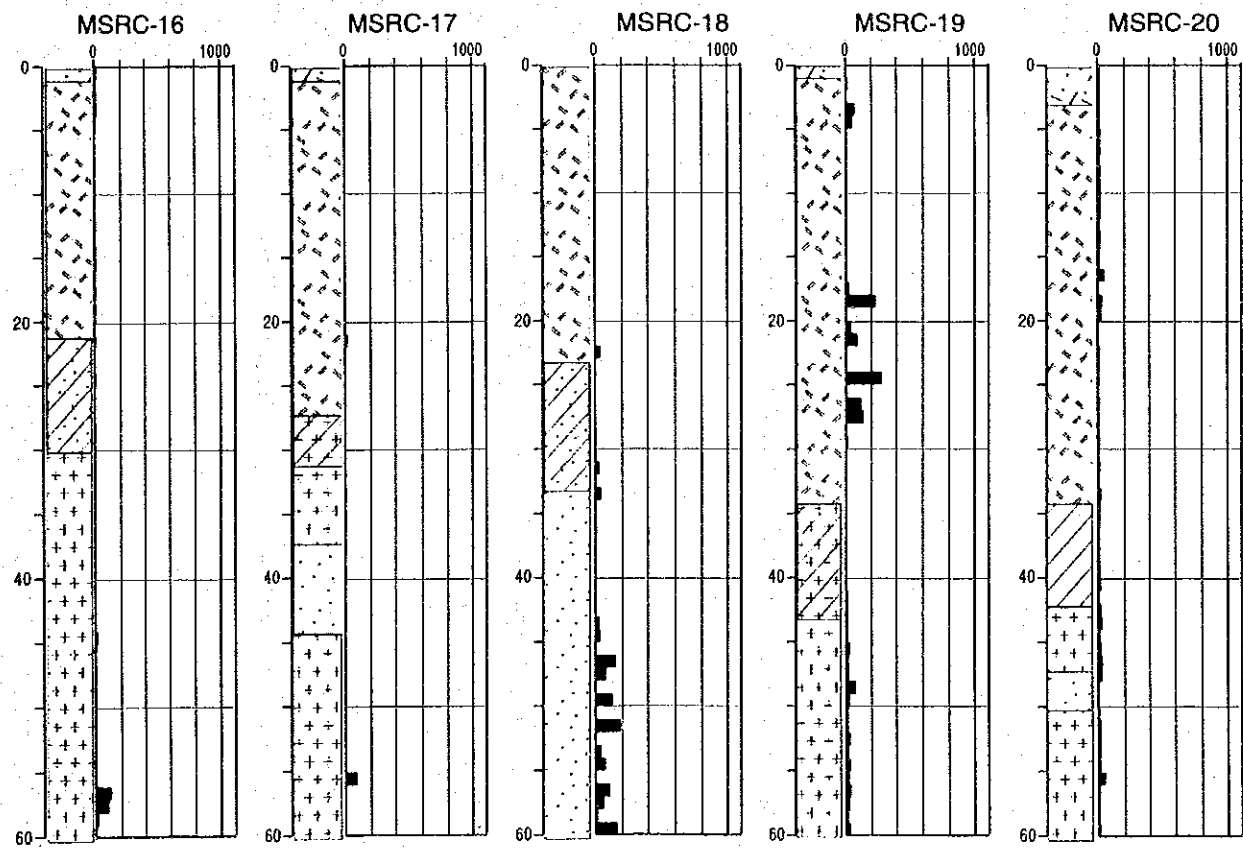
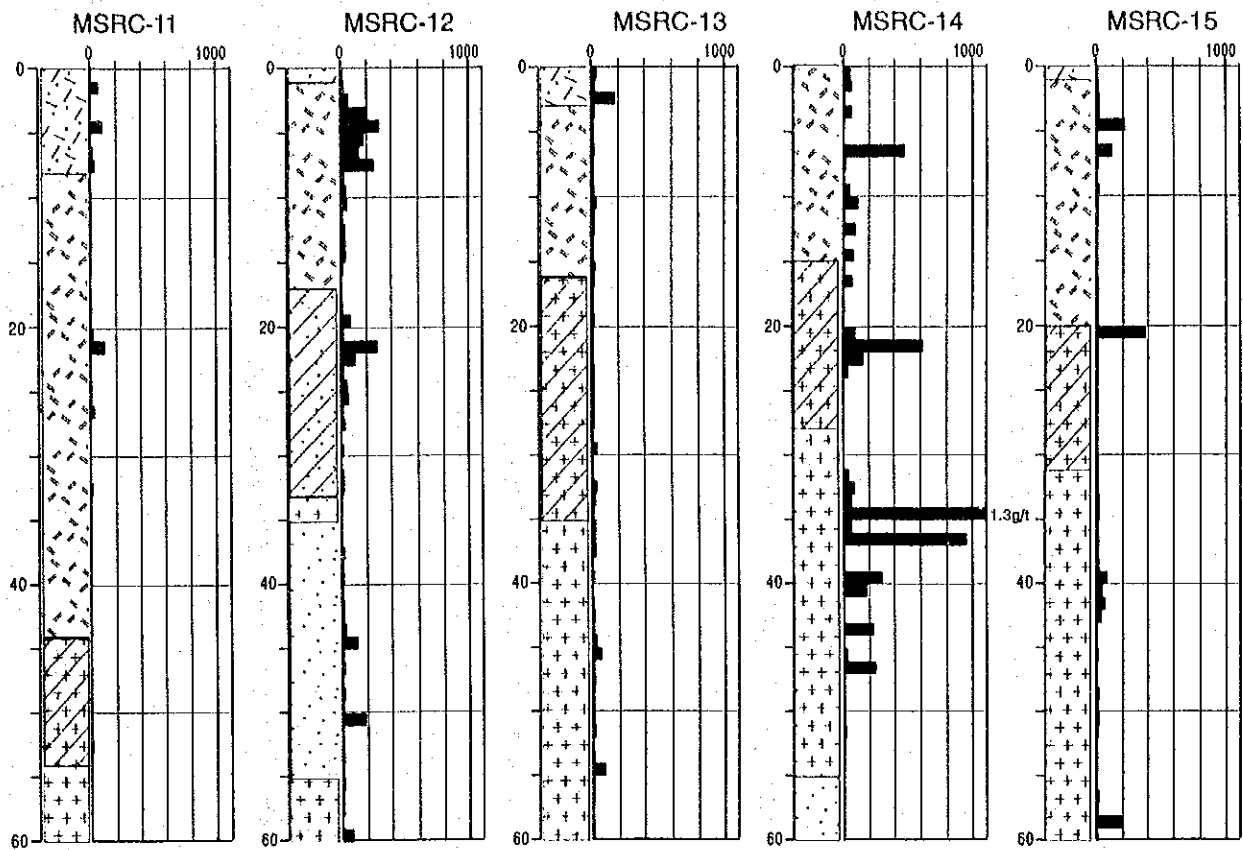
MDRC Au Profile (2)



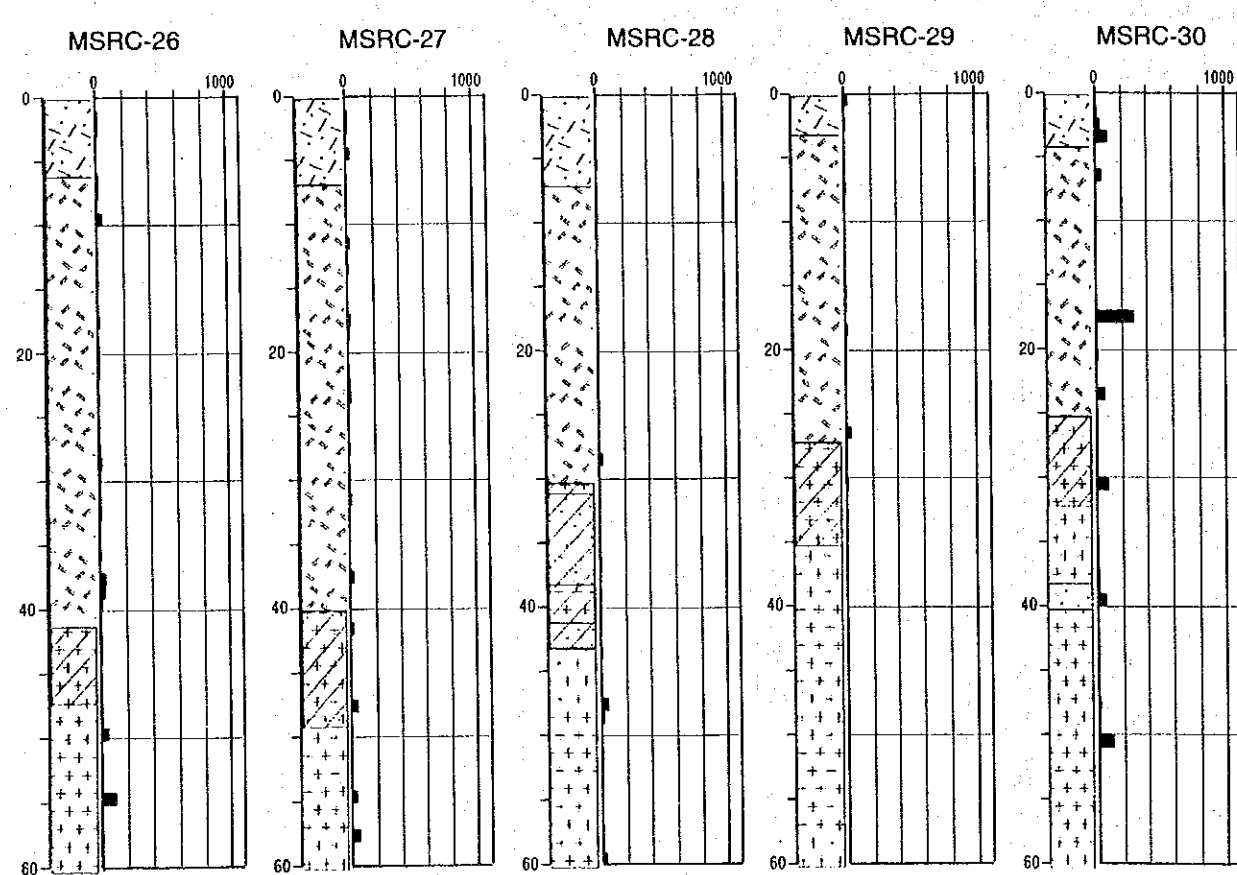
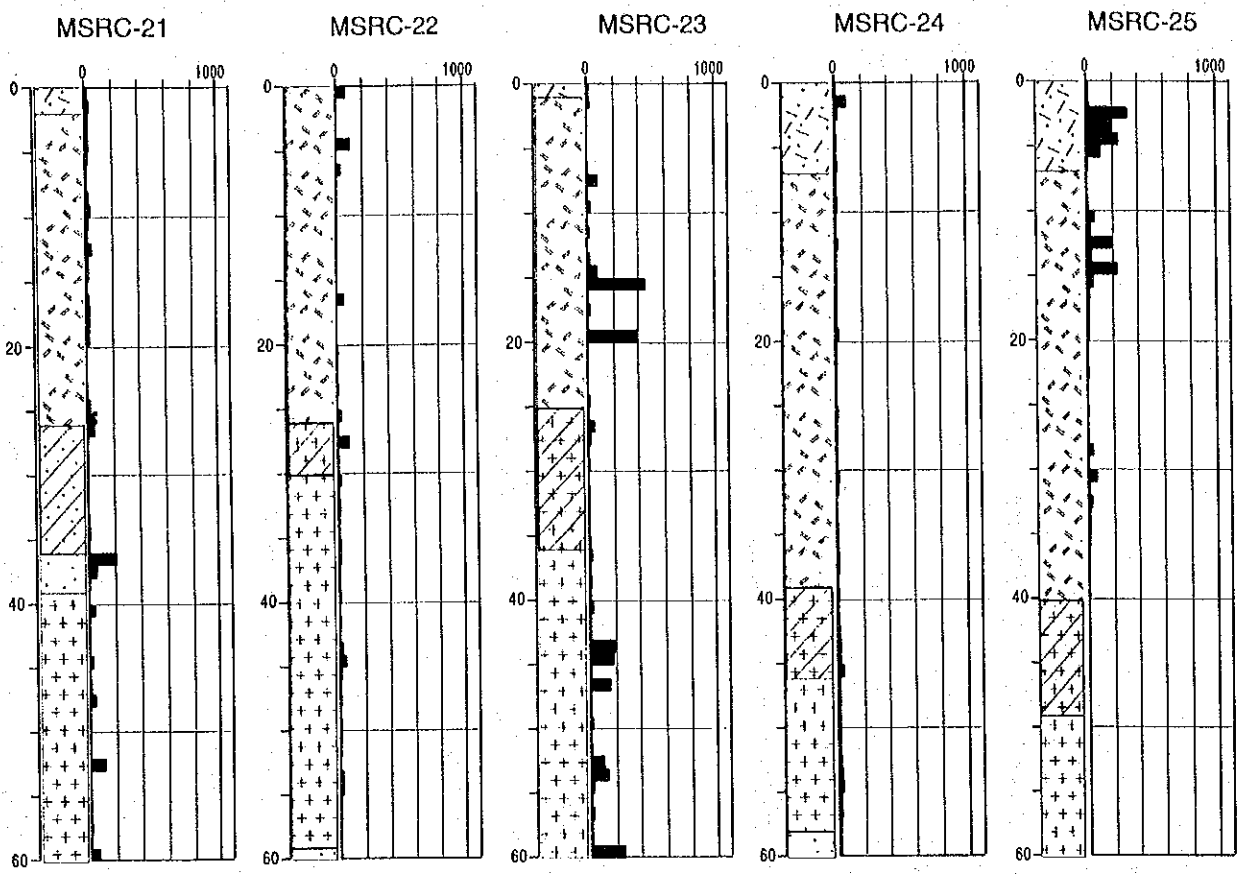
MDRC Au Profile (3)



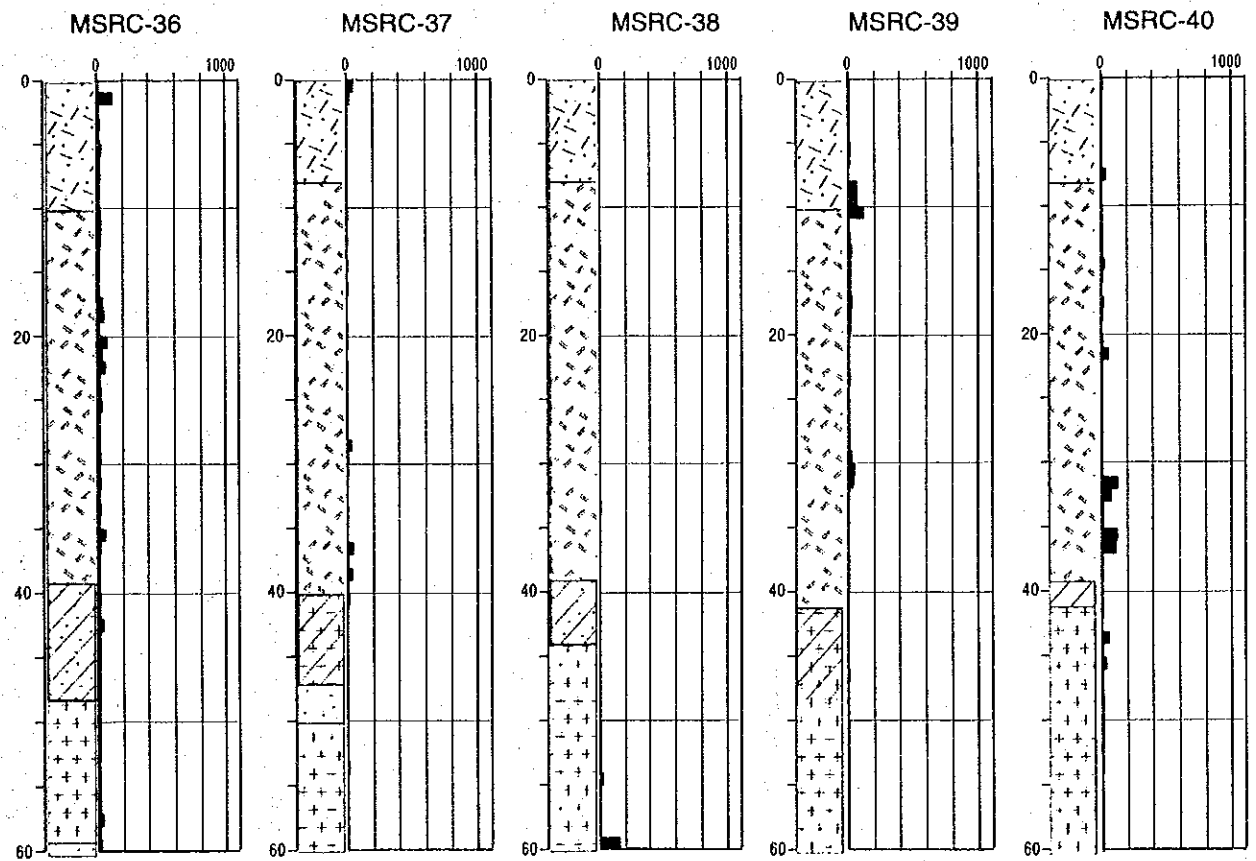
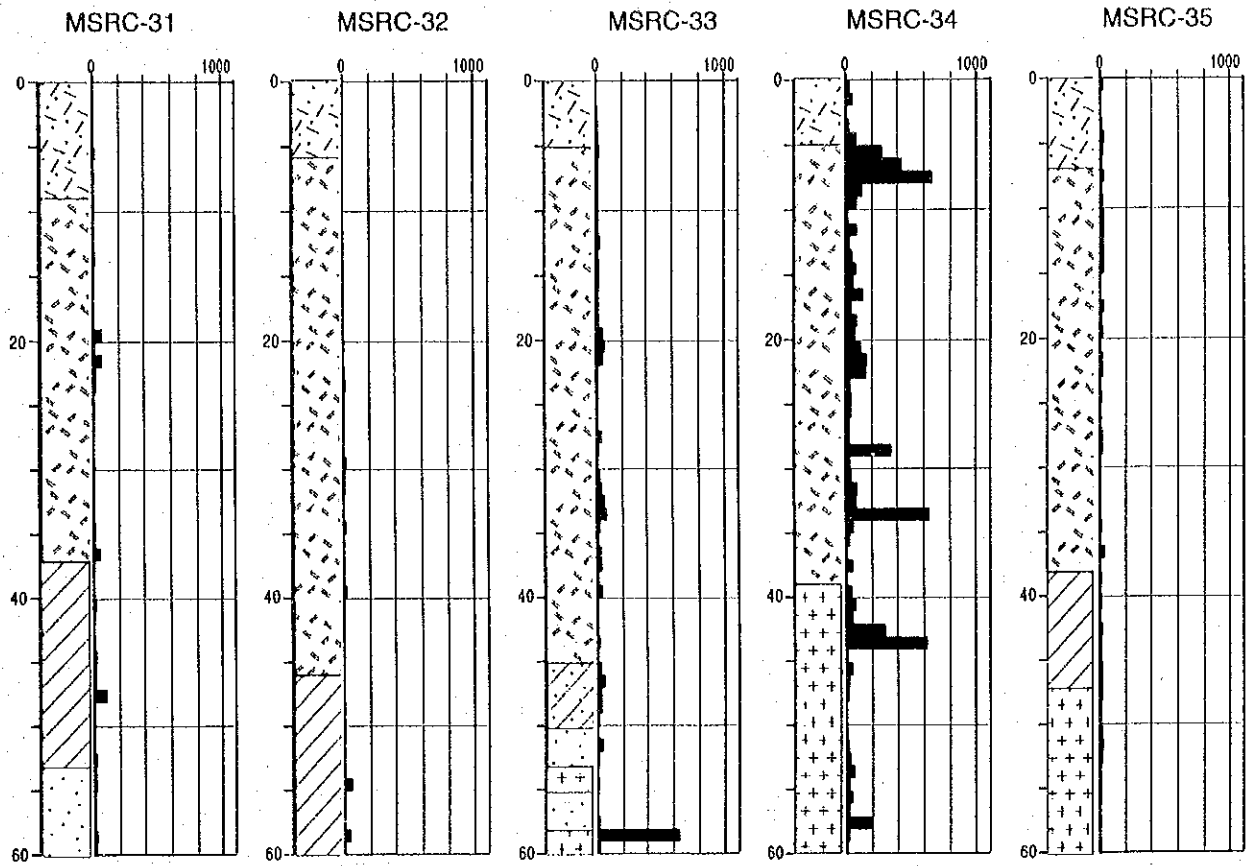
MSRC Au Profile (1)



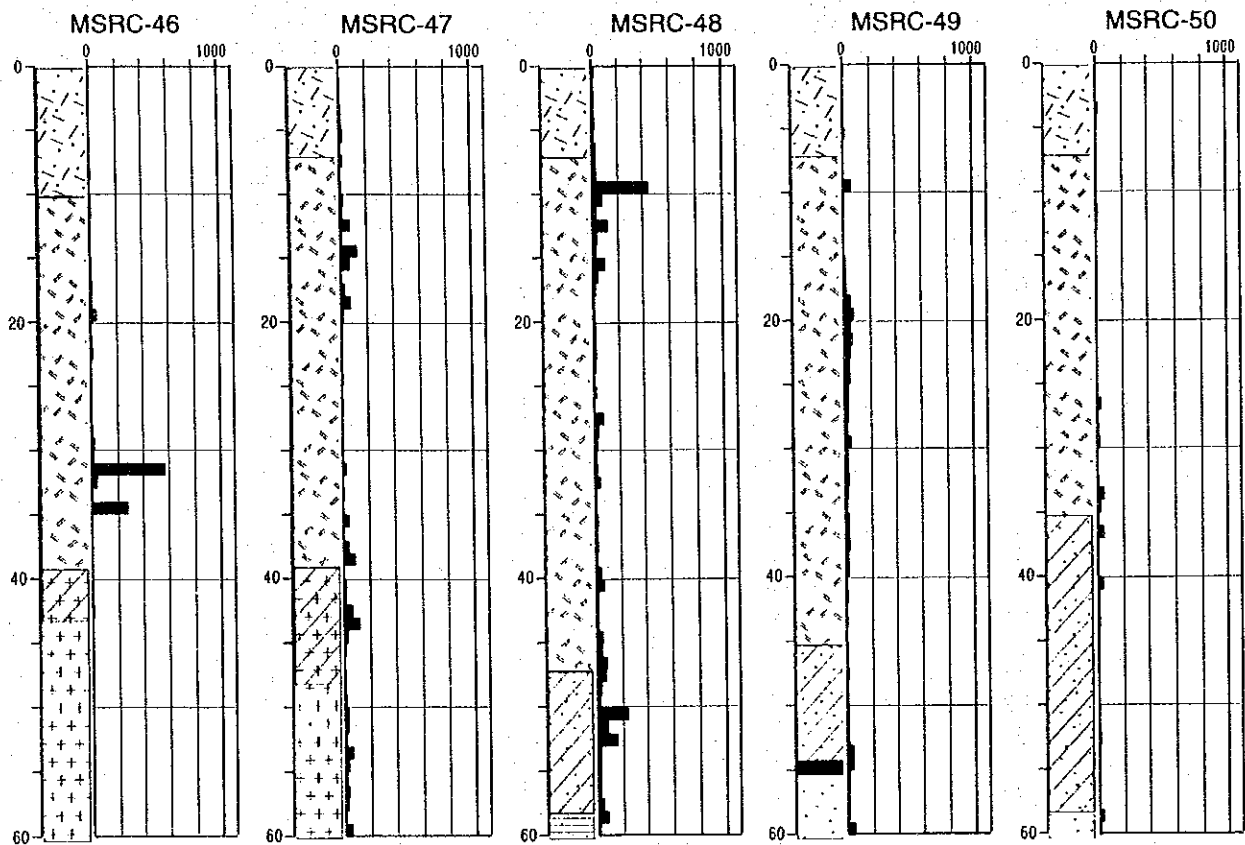
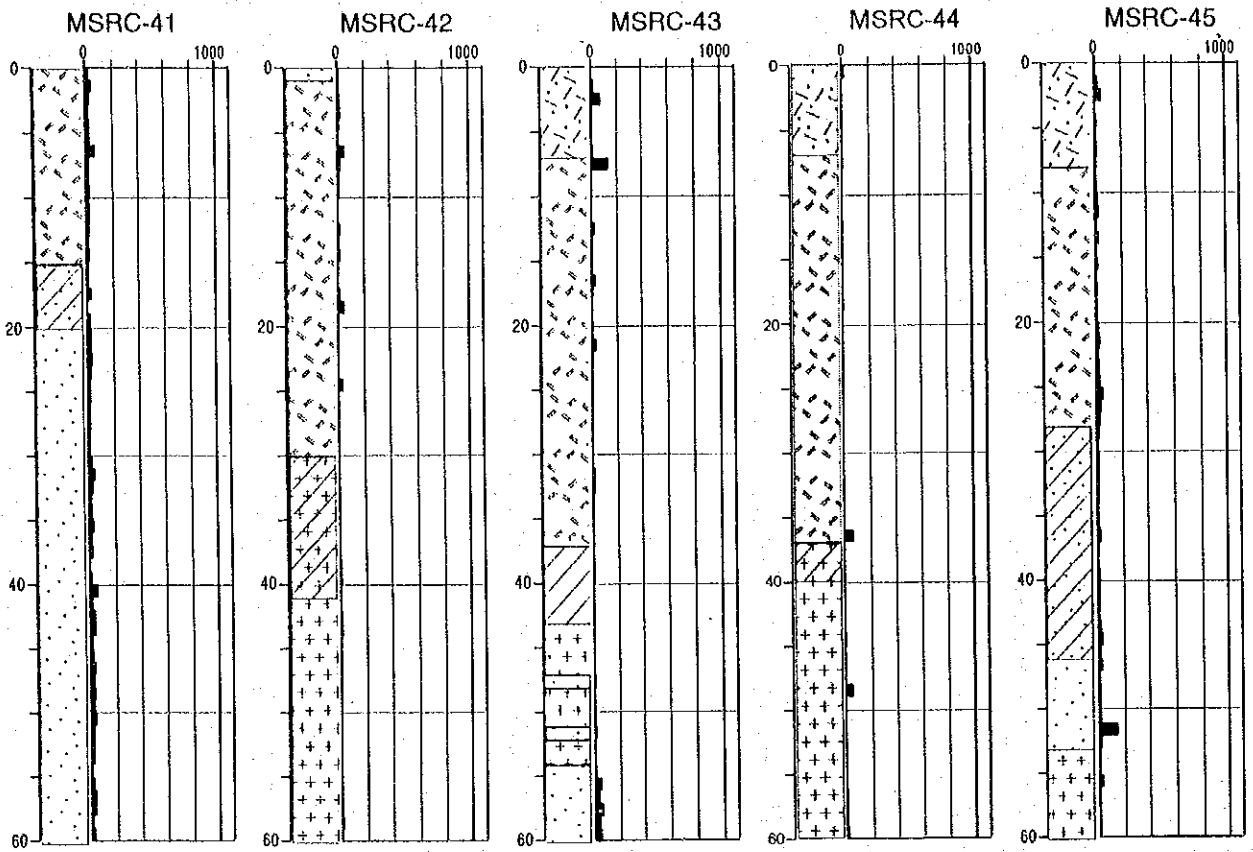
MSRC Au Profile (2)



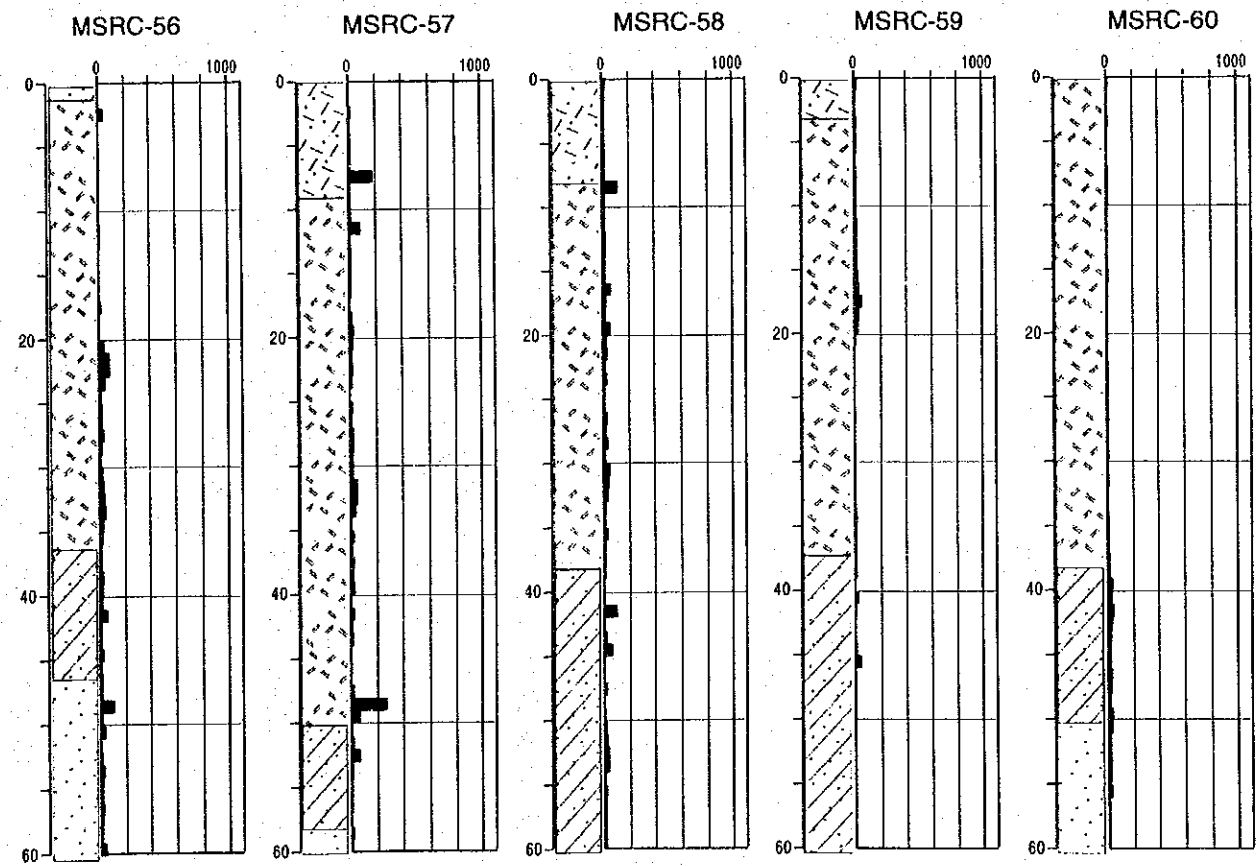
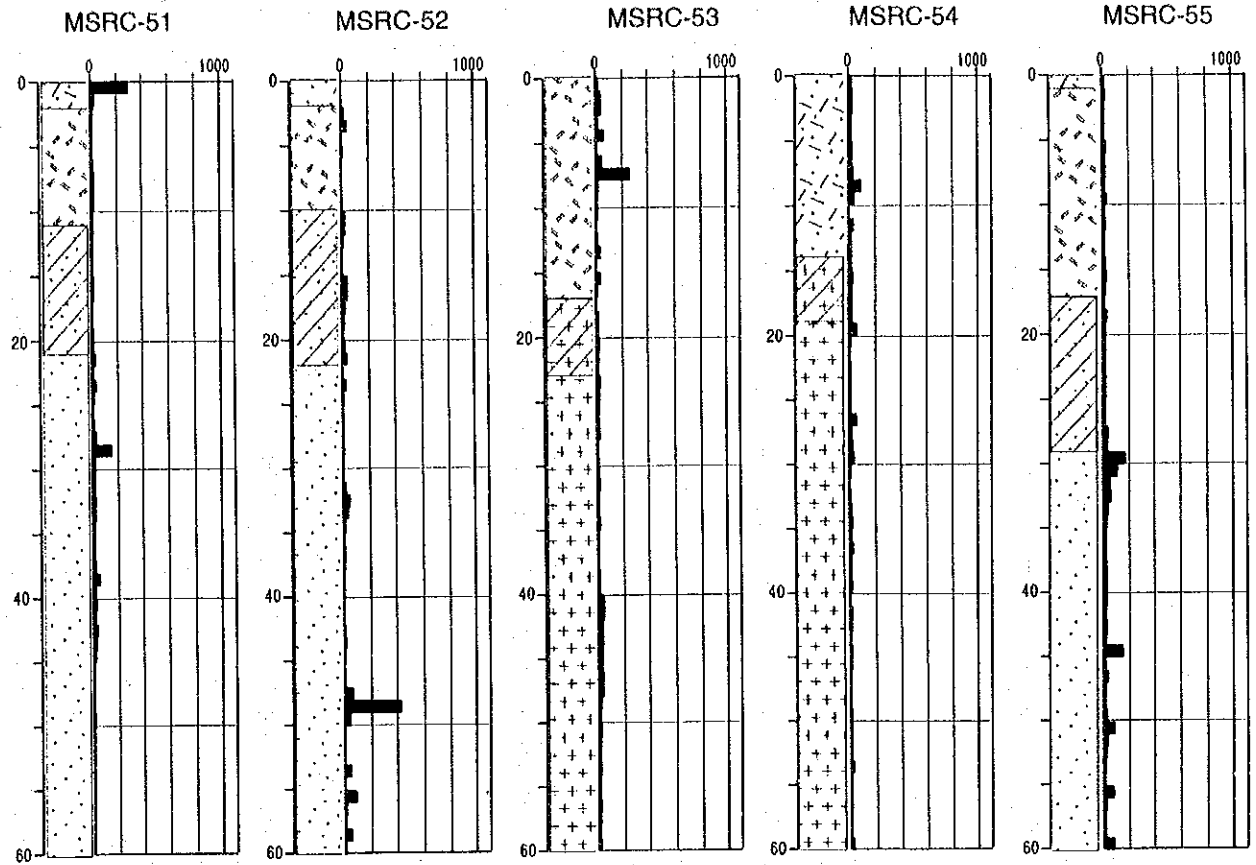
MSRC Au Profile (3)



MSRC Au Profile (4)



MSRC Au Profile (5)



MSRC Au Profile (6)

Ap.5 DDH 柱状图

site: MDDH-6

Depth (m): 40-80m

No. 2/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
40	.	40.60m (12mm), 40.68m (5mm), 40.78m (10mm), 40.84m (12mm) Qz Vn Z75-85*	Medium Grained Psammitic Schist 43.92	30.83-41.64m; Red bw-red dk bw m.gd psammitic schist	grey -dark grey -dark brown	Hematite	22
				41.64-43.92m; Dk bw-dk grey v.f.gd psammitic schist			66
50		45.03-45.08m, Hmt Qtz Net Vn Z56* 45.75-46.07m, Qtz Net Vn 46.90m (20mm), 46.98m (10mm), Hmt Clay-Qtz Vn 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 Vn Z55-76*	Alteration of Dark Grey Fine Grained Psammitic Schist & Mudy Schist	Mudy schist	brownish grey -brownish dark grey	Chlorite	15
							136
							32
							38
							32
							20
							19
							45
							24
							26
60		54.68-55.10m, 57.76-57.93m, Hmt Qtz Net Vn 58.32-58.41m, Qtz Net Vn 59.55m (6mm) Qtz Vn, 60.25m (20mm) Hmt Qtz Vn Z45* 62.40m (5mm) Qtz Vn Z60*	Alteration of Dark Grey Fine Grained Psammitic Schist & Mudy Schist	52.26 Fine grained psammitic schist	dark brown -dark grey	Silic Hematite	28
				54.76 Mudy schist			23
							12
							35
							50
							9
							19
							<5
							<5
							5
70		64.65m (2mm) Qtz Vn Z71* 67.20m (2mm) Qtz Vn, 68.48m (7mm) Qtz Vn Z80* 70.35m (3mm) Hmt Qtz Vn Z57* 70.85m (3mm) Hmt Qtz Vn Z82* 70.92m (4mm) Hmt Qtz Vn Z70*	Alteration of drk grey f.gd psammitic schist & mudy schist	63.00 Alteration of drk grey f.gd psammitic schist & mudy schist	dark brown -dark grey	Hematite	16
				66.91 Hard mudy schist			16
							6
							<5
							11
							5
							13
							<5
							7
							8
80		76.05-76.40m Py diss imp Hm & Qtz Net Vn		75.33 M.gd psammitic schist	dark brown -grey	Hematite Pyrite	29
				76.68 Alteration of drk grey f.gd psammitic schist & mudy schist			46
							121
							111
		84					
		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
											109
90		92.10m (10mm) Z70°, Py rich (25%), gm clay (chlorite) bearing gg Qtz Vn.					172				
		92.15m (20mm) Z56°, Py (3-5%), wht-L. grey Qtz Vn.					49				
		92.36m (12mm) Z60°, Py Net Vn (20%), wht-L. grey Qtz V	95.80				49				
				Quartz porphyry			52				
							33				
							135				
							19				
							9				
100					dark grey		19				
							86				
				100.02	Quartz porphyry		17				
			Quartz Porphyry		yellow-white		<5				
							<5				
							<5				
							<5				
							48				
				106.34	Quartz porphyry		223				
							19				
					dark grey		81				
110							77				
		Qtz Vt (4-6mm) 8-12 V/m		Fine to medium grained sandstone			111				
							224				
							58				
							16				
			Alternation of Dark Grey Fine Grained Sandstone & Black Mudstone		dark grey-green dark grey	Pyrite Silic	43				
							56				
							124				
							93				
							66				
120							47				

site: MDDH-6

Depth (m): 160-200m

No. 5/5

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)						
160	XX XX XX XX XX XX XX XX XX XX	160.06m (0.4mm), ∠26° , gry-L.grn Qtz Vt, Py bearing (5%) 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°	Quartz Porphyry ~ Granodiorite Porphyry	Coarse.grained granodiorite porphyry	green-grey	Pyrite Silic	20						
							9						
							20						
							9						
							22						
							80						
							54						
							9						
							17						
							70						
170	173.15-174.00m (1-2mm), Qtz Vt	Alternation of Dark Grey Siltic Sandstone & Psammitic Schist	Alternation of drk grey silic sandstone & psammitic schist	dark grey- dark, brown- dark green	Pyrite Silic	43						
							40						
							43						
							27						
							79						
							111						
							47						
							25						
							60						
							15						
180		Alternation of Dark Grey Siltic Sandstone & Psammitic Schist	Alternation of drk grey f.gd sandstone & .blk mud	grey	Pyrite Silic	19						
							38						
							16						
							34						
							115						
							759						
							58						
							43						
							41						
							23						
190	190.34-190.85m ∠62-72° irg	Blk muddy schist	190.34-190.85m; Quartz vein	blak- dark grey	Pyrite Silic	15						
							13						
							192.00	192.40-192.45m, 193.34m (6mm) grn Qtz with Py, Bio ∠57°	Alternation of drk grey f.gd sandstone & blk mud	dark grey	Pyrite Silic	7
													7
													14
													13
													46
													16
													17
													14
200	199.30 (20mm) ∠75° Qtz Vn			grey -dark grey	Chlorite							16
													17
200	199.83 (10mm) ∠40° Qtz Vn				Chlorite	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	Chlorite	447
1.20			Laterite	Soft carapace			20
2.00		Saprolite			yellow brown		25
4.45				Weathered medium grained psamitic schist	reddish brown		26
5.90		5.25m (2mm) $\angle 30^\circ$ Hm&Qtz Vt		Medium to fine grained psamitic schist with bio.rich blk.bands	reddish brown -brown		5
7.65		Hm spot $\angle 54^\circ$ $\angle 50^\circ$ $\angle 37^\circ$ Qtz Vt (1mm)		Fine to medium grained psamitic schist with grn chl spots	reddish brown -grey dark, brown		18
10.90		10.0-14.0m; Qtz&Hm Vt $\angle 45-60^\circ$ (1-3mm, MAX9mm)		10.75-10.90m; Medium grained psamitic schist with green spots			5
13.80		$\angle 55^\circ$		Medium to fine grained psamitic schist with bio. rich blk.bands	reddish brown -yellow brown		27
15.45		16.0m, 16.5m; Qtz&Hm Vt $\angle 40-58^\circ$ (1-2mm)		Fine grained psamitic schist with parpl dk grn-yellow bw chl spots	purple dark brown -yellow brown		17
17.85		18.0m Qtz Vt $\angle 42^\circ$ (1-3mm)		Very fine grained psamitic schist	purple brown		32
18.60		20.0m Qtz Vt (1-3mm)		Fine grained psamitic schist with dk grn spots	dark green grey /purple brown	45	
19.70		21.3m Bio spor		Fine grained psamitic schist	purple brown	49	
22.85		23.10-23.35m; 23.50-23.65m; Qtz&Hm Net		Bio bearing fine grained psamitic schist		35	
24.05		27.50m, 28.65m, 29.65-30.30m, 30.47m (30mm), 31.90-32.05m, 34.53m (30mm), Qtz&Hm Net $\angle 33-50^\circ$		22.45-22.85m; Fine grained psamitic schist with parpl dk bw spots	purple brown	23	
			Weathered Medium to Fine Grained Psamitic Schist	Fine grained psamitic schist	purple-orange brown	5	
					Fine grained psamitic schist with hm(str)stain along schistosity		477
							63
							154
							18
							24
							4240
							186
							170
							144
					purple-yellow brown	82	
						1699	
						121	
						57	
						1607	
						199	
						917	
						20	
						6	
						12	
40						47	

site: MDDH-7

Depth (m): 40-80m

No. 2/3

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
40	[diagonal lines]		Weathered Medium to Fine Grained Psamitic Schist	Weathered medium grained psamitic schist interbedded with silic(wk) fine grained sandstone	dark grey, yellow brown	Silic	85
							114
45.00	[diagonal lines]		Weathered medium grained psamitic schist	Weathered medium grained psamitic schist		Hematite	51
							366
48.00-48.77m	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	48.00-48.77m;	brown yellow -brown grey		47
							117
48.77	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	48.77-49.85m;			44
							41
49.85-51.60m	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	49.85-51.60m;			40
							9
51.60-57.07m	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	51.60-57.07m;			7
							6
57.07-59.30m	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	57.07-59.30m;			30
							51
59.30	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	Chloritized quartz porphyry	dark grey, black, yellowish brown, dark green, reddish brown		43
							14
60	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	48.77-49.85m;			97
							53
65.00m(14mm), 66.70m(20mm), Qtz&Hm Net 270°	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	48.77-49.85m;			62
							270
66.82	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	49.85-51.60m;			106
							16
69.30m(4-5mm), Qtz with very fine orange spot (Py & El?)	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	51.60-57.07m;			36
							53
70.00	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	57.07-59.30m;			219
							444
70.52m (13mm), 70.80m (10mm), wht-milky wht Qtz & Cal	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	Chloritized quartz porphyry	black, grey, yellowish brown		423
							167
72.09	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	48.77-49.85m;			110
							732
72.09-72.25m (16mm), Qtz with Py&Bio	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	49.85-51.60m;			34
							36
73.40-73.85m Qtz&Hm Net Vt	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	51.60-57.07m;			517
							54
74.50m (5mm), 75.75m (14mm) Hm&Qtz, Ser bearing	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	57.07-59.30m;			55
							29
77.78m (8mm), 78.50m (40mm) Qtz Vn with Bio&Py	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	Chloritized quartz porphyry	dark green -grey		35
							5
80	[diagonal lines]		Silic (m-str), very fine grained psamitic schist	Compact diorite-andesite			7
							5

site: MDDH-7

Depth (m): 80-100m

No. 3/3

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)			
80		81.09m (10mm), Lt. gry Qtz Vn Bio>>Py Z50°	Altered Diorite-Andesite 89.92 Quartz Vein 91.65 Fine to Very Fine Grained Biotite Schist with Laminated Black.Mudy Schist 100.00	Compact diorite-andesite	dark green-grey white-light grey grey-dark grey	Py and/or Asp Silic Chlorite	19			
		82.30m (10mm), Lt. gry comp. Qtz Vn Z51°							21	
		84.05m (10mm), 84.20m (30mm), pale gry Qtz Vn Bio>>Py Z40-50°							20	
									18	
									34	
									16	
									11	
									13	
									14	
90				89.92m, Qtz Vn Z32°						20
				Z32°			Quartz Vein	Quartz vein	white-light grey	15
				91.65m, Qtz Vn Z49°				Fine to very fine grained biotite schist with laminated blk.mudy schist		18
				93.95m (10mm), Bio rich whit Qtz Vn Z40°						15
						16				
						45				
						56				
		96.22m (10mm), Bio rich gry Qtz Vn Z32°				27				
						23				
						17				
100						18				
110										
120										

site: MDDH-8		Depth (m): 0-40m			No. 1/5				
depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)		
0	[Pattern]		Laterite	Hard carapace	reddish brown	Hematite	23		
				Soft carapace			yellow-brown	21	
				Saprolite			milky white -yellow brown	84	
		5							
	[Pattern]	Hlt&Qtz Vt (2mm)	Weathered Psamitic Schist	Very fine grained psamitic schist	yellow brown -red brown	Hematite	117		
				10.35			Fine grained psamitic schist	83	
10	[Pattern]		Weathered Psamitic Schist	11.10	red brown-purple brown	Hematite	5		
								5	
								5	
								5	
								5	
	[Pattern]	Hlt&Qtz Vt (2-3mm)	Weathered Psamitic Schist	21.70	purple dark brown -reddish dark brown	Hematite	5		
								5	
20	[Pattern]	24.55m (20mm) Hm&wht cloudy wht brecc Qtz Vn	Weathered Psamitic Schist			Hematite	5		
									5
									5
									5
									5
									5
									5
	[Pattern]	∠47°	Weathered Psamitic Schist	35.90	yellow brown -dark brown	Hematite	84		
							Fine grained psamitic schist with bio.rich blk.lens	5	
								5	
30	[Pattern]		Weathered Psamitic Schist			Hematite	5		
									5
									5
									5
									5
40	[Pattern]		Weathered Psamitic Schist			Hematite	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 schist with bio.rich blk.lens	yellow brown -dark brown	Hematite	5	
								10
			46.00				5	
							12	
							5	
							7	
		47.12m (20mm) ∠75° Hm rich brecc Qtz Vn,	48.00	Very fine grained psamitic schist interbedded with thin blk mud	dark grey -black		16	
		47.94m (20mm) ∠56° Hm cloudy wht Qtz Vn,		Very fine grained psamitic schist with bio.spots	dark brown -dark grey		29	
50		49.45m (50mm) ∠60° Hm rich brecc Qtz Vn	Psamitic Schist					44
				51.05	Fine to medium grained psamitic schist with bio.diss.(5-6%)		red brown- yellow brown	74
				54.45	Fine grained psamitic schist with bio rich.(max.15%) thin seam		dark grey -black	22
				57.10	Fine to medium grained psamitic schist interbedded with thin blk.mud			19
			62.08				38	
		59.33m (30mm) ∠60° Hm&L.gry Qtz Vn,		Granodiorite Porphyry 62.35	M.gd.Biotite granodiorite porphyry		yellow brown- brown	119
60		59.80-60.03m, 60.35-60.75m Hm&Qtz Vn,		62.35-64.05m; Very fine grained psamitic schist			15	
			64.05				16	
					Thinly bedded alternation of fine to medium grained psamitic schist and blk. pelitic schist with qtz veinlets			13
			Alternation of Fine to Medium Grained Psamitic Schist				14	
								5
								40
							12	
							13	
							10	
							16	
							13	
							29	
							10	
						18		
						25		
						24		
						22		
						14		
						30		
						14		
						42		
						141		
						408		
80		77.84m (16mm) Bio rich, Hm&cloudy wht compact Qtz Vn,			grey -dark grey	Py and/or Asp Silic	317	
		79.50-79.60m bw clay&bec zone with strong silic sand bec					173	

site: MDDH-8		Depth (m): 80-120m		No. 3/5			
depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
80		80.00m (40mm) Z46* Py rich gry Qtz Vn	Alternation of Fine to Medium Grained Psamitic Schist	Thinly beded alternation of fine to medium grained psamitic schist 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
		80.95-81.35m (4mm) Z27* milky wht-L.grey ser					327
		85.78m (17mm) Z36* L.grey Qtz Vn					180
		86.15-87.00m (8.5mm), ifg, yellowish pale gry -gyr ser Py Bio					57
		90.02-90.15m grn-pale gry, chlonized, granodiorite porphyry?					40
		90.02-90.15m					35
		90.02-90.15m					13
		90.02-90.15m					35
		90.02-90.15m					20
		90.02-90.15m					32
		90.02-90.15m					20
		90.02-90.15m					19
		90.02-90.15m					27
		90.02-90.15m					71
		90					
90.02-90.15m	40						
90.02-90.15m	82						
90.02-90.15m	29						
90.02-90.15m	34						
90.02-90.15m	33						
90.02-90.15m	28						
90.02-90.15m	21						
90.02-90.15m	28						
90.02-90.15m	21						
90.02-90.15m	22						
90.02-90.15m	62						
90.02-90.15m	44						
90.02-90.15m	32						
90.02-90.15m	44						
100		90.02-90.15m	117.25	Silic c.gd.Biotite granodiorite porphyry	dark green grey	Py and/or Asp Silic	35
		90.02-90.15m	46				
		90.02-90.15m	19				
		90.02-90.15m	33				
		90.02-90.15m	43				
		90.02-90.15m	45				
		90.02-90.15m	66				
		90.02-90.15m	85				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
90.02-90.15m	18						
90.02-90.15m	26						
110		90.02-90.15m	117.25	Silic c.gd.Biotite granodiorite porphyry	dark green grey	Py and/or Asp Silic	40
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
120		90.02-90.15m	117.25	Silic c.gd.Biotite granodiorite porphyry	dark green grey	Py and/or Asp Silic	40
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				
		90.02-90.15m	40				
		90.02-90.15m	18				
		90.02-90.15m	26				

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	XX			Silic c.gd. Biotite granodiorite porphyry			20
	XX						14
	XX						29
	XX			131.25-131.65, 132.08-134.52m;			5
	XX			Biotite bearing m.gd. granodiorite porphyry			5
	XX				dark green grey		5
	XX					Py and/or Asp	12
	XX						30
	XX						8
130	XX						5
	XX						15
	XX						18
	XX			132.08 Biotite bearing m.gd. granodiorite porphyry	milky white-pale grey		5
	XX						18
	XX	134.83-135.00m L. grey Qtz Net Vn	Granodiorite Porphyry	134.52 Silic Biotite granodiorite porphyry with qtz.veinlets			5
	XX						9
	XX						5
	XX						5
140	XX				dark green-grey	Silic	9
	XX						6
	XX						5
	XX						6
	XX						5
	XX			144.45 Biotite bearing m.gd. granodiorite porphyry			7
	XX						21
	XX						59
	XX				white-blue grey		68
	XX						14
150	XX						52
	XX						29
	XX			151.45			56
				Very fine to fine grained psamitic schist with bio rich seams			110
							125
		155.08m (140mm) Z62 ⁺ Py diss pale gry-gry Qtz Vn	Psamitic Schist		dark grey-black	Chlorite	20
							8
		156.60m (20mm) Z55 ⁺ 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	[Diagram showing column with dots]	164.50m (12mm) gry Qtz Vn. Bio bearing ∠ 40-60°	Psamitic Schist	Qtz bearing silic(str) f. grained psamitic schist with bio.rich lens	dark green-grey	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
				164.83			370
				165.80			245
				Fine to medium grained bio.rich psamitic schist			41
				Fine grained bio.rich psamitic schist			37
				166.95m (20mm) ∠ 36° . Bio>Py diss imp, pale gry Qtz Vn			119
				172.23-172.70m; Silic(str) blk.mud. Bio.rich			71
				172.70			51
170	[Diagram showing column with dots]	173.73m EL spot bearing	Psamitic Schist	Very fine grained psamitic schist	pale green	Py and/or Asp	169
				174.80			96
				175.75			66
				176.80			7900
				Bio.rich psamitic schist			39
				Very fine grained psamitic schist			71
				174.90			29
				175.75			73
				176.80			54
				180			[Diagram showing column with dots]
185.00	41						
Very fine to fine grained psamitic schist with bio rich parts	39						
185.00	127						
185.00	870						
185.00	66						
185.00	43						
185.00	55						
185.00	50						
185.00	81						
190	[Diagram showing column with dots]	190.82m (50mm) ∠ 45° . Py diss imp, wht-gry Qtz Vn	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	37
				195.60-196.02m (50-100mm) Py diss imp(M), wht Qtz Vn. sand schist brc (30%) bearing			27
				196.35m (25mm) ∠ 42° . Py diss imp, pale grn-wht Qtz Vn			41
				197.12m (50mm) ∠ 70° . Py imp, cloudy wht Qtz Vn			40
				197.12m (50mm) ∠ 70° . Py imp, cloudy wht Qtz Vn			30
				197.12m (50mm) ∠ 70° . Py imp, cloudy wht Qtz Vn			35
				197.12m (50mm) ∠ 70° . Py imp, cloudy wht Qtz Vn			45
				197.12m (50mm) ∠ 70° . Py imp, cloudy wht Qtz Vn			37
				197.12m (50mm) ∠ 70° . Py imp, cloudy wht Qtz Vn			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)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
0				0.00-0.35m; Surface soil	dark brown	Hematite	80
				0.35-0.70m; Hard carapace	red brown		36
				0.70-2.65m; Soft carapace	yellow brown		38
2.65			Laterite	Saprolite	milky white -choco. brown		33
4.70			Laterite	Saprolite	red -choco. brown		29
7.70							49
							37
9.00				Weathered medium grained psamitic schist	milky wh/orange bw/purpl bw		28
10				Weathered fine grained psamitic schist	yellow brown -grey		69
							28
10.80				Weathered fine grained psamitic schist	yellow brown -grey		40
							39
13.30				Weathered fine to medium grained psamitic schist fine Bio imp.(7-8vol.%)			129
							33
							37
							39
16.00m (20mm), Hm&Qtz Vein (Broken core)							715
17.63m (40mm) Hm&brec Qtz							139
19.12-19.17m, Hm&Qtz Vn.∠34°							262
19.30m (15mm), Hm&brec Qtz Vn ∠36°							219
						357	
23.83m (20mm), Hm,Qtz&Cc Vn						2009	
						542	
23.60				Weathered fine grained psamitic schist fine Bio imp.(7-8vol.%)		21	
						227	
						78	
						71	
						134	
						68	
30						153	
						51	
						50	
32.92				Quartz vein (w=1-3mm) bearing silic (wk) medium grained psamitic schist	dark grey	62	
33.60				Weathered medium grained psamitic schist fine Bio imp.(8vol%)		102	
						21	
				38.50-40.20m; Weathered fine grained psamitic schist with f.gd.Bio bearing	dark brown -dark grey	29	
						14	
38.50						34	
40	X X	38.85m (20-30mm), Bk Bio rich Vt ∠23°	Granodiorite Porphyry	Weathered m.gd.biotite granodiorite porphyry with Hm.stain along fault plane	yellow -pale green	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)								
						Py and/or Asp	Silic									
40	X X X X X X X X X X			Weathered (wk) m. gd. biotite granodiorite porphyry with Hm. stain along fault plane	reddish brown-orange brown		Silic Hematite	17								
								15								
								29								
								27								
								24								
								12								
								15								
								12								
								11								
								8								
50	X X X X X X X X X X	48.85-47.00m (15mm) Hm rich 48.60-48.65m (5mm) wht Qtz Vn	Granodiorite Porphyry	Weathered (wk) m. gd. biotite granodiorite porphyry, epidotization prominent	green-dark grey		Silic Hematite	6								
								8								
								6								
								6								
								6								
								9								
								6								
								6								
								7								
								35								
60	X X X X X X X X X X	49.95m (10mm), 50.18m (10mm), Hm&cloudy wht Qtz Vn	Granodiorite Porphyry	Medium grained biotite granodiorite porphyry Bio rich (30vol.%)	dark grey		Py and/or Asp Silic	10								
								7								
								8								
								10								
								11								
								29								
								38								
								38								
								6								
								8								
70	X X X X X X X X X X	53.75m (1mm), 53.88m (2mm), Hm&cloudy wht Qtz Vn $\angle 54-60^\circ$	Granodiorite Porphyry	Silic coarse grained biotite granodiorite porphyry Bio (25-30 vol.%) along qtz veinlets			Py and/or Asp Silic	8								
								6								
								8								
								6								
								6								
								9								
								6								
								6								
								7								
								35								
80	X X X X X X X X X X	55.47m (3mm), Bio rich pale gry Qtz $\angle 45^\circ$	Granodiorite Porphyry		dark green-dark grey		Py and/or Asp Silic	10								
								7								
								8								
								10								
								11								
								29								
								38								
								38								
								6								
								8								
80	X X X X X X X X X X	64.35-84.58m (23mm), 66.98m (50mm), Bio rich gry Qtz Vn $\angle 50^\circ$	Granodiorite Porphyry				Py and/or Asp Silic	8								
								8								
								7								
								7								
								7								
								7								
								8								
								5								
								11								
								9								
80	X X X X X X X X X X	68.33m (80mm) milky wht-L.gry porous Qtz Vn $\angle 46^\circ$	Granodiorite Porphyry				Py and/or Asp Silic	12								
								8								
								8								
								7								
								7								
								7								
								8								
								5								
								11								
								9								
80	X X X X X X X X X X	68.82m (50mm) Bio rich cloudy wht Qtz Vn $\angle 75^\circ$	Granodiorite Porphyry				Py and/or Asp Silic	12								
								8								
								7								
								7								
								7								
								7								
								8								
								5								
								11								
								9								
80	X X X X X X X X X X	72.58-72.63m (50mm), 73.91m (50mm), Bio rich L.gry Qtz Vn $\angle 50-80^\circ$	Granodiorite Porphyry				Py and/or Asp Silic	11								
								11								
								9								
								12								
								11								
								80	X X X X X X X X X X	75.07m (50mm), cloudy wht Qtz Vn	Granodiorite Porphyry				Py and/or Asp Silic	11
																11
																9
																12
																11
80	X X X X X X X X X X	75.82-75.89m (70mm), 78.61-78.78mm (15mm), Bio rich blk & L.gry Qtz Vn	Granodiorite Porphyry				Py and/or Asp Silic									11
																11
																9
																12
																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	XX	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		9
	XX						12
	XX						19
	XX						16
	XX	84.95m (14mm), 85.46m (60mm), 85.95m (20mm), 86.32m (50mm), 86.89m (70mm), Bio rich gry Qtz Vn ∠25-58°					11
	XX						14
	XX						12
	XX						43
	XX						17
90	XX	∠30°					90.48 Psamitic Schist
	XX	∠35°	91.97 Hornblede Diorite	Fine grained hornblede diorite with small amount of py (<1 vol %) imp.	dark green-grey-black	58	
			92.30			495	
				Fine to medium grained bio.rich silic (str) psamitic schist with py (15 vol.%)=Asp		121	
				94.70m; Au spot bearing		3704	
		97.86m (20mm), L. gry Qtz Vn		97.26m; E1 observed in the shear fold? zone		1458	
100				100.00-130.00m; parallel laminated alignment of py. & asp.		980	
						1552	
						564	
						250	
						914	
						256	
						362	
		103.33m (20mm), dark gry Qtz Vn Py diss ∠28°	Psamitic Schist		dark grey	Py and/or Asp Chlorite Silic	692
							328
							94
							55
							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)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
120				Fine to medium grained bio.rich silic (str) psamitic schist with py (15 vol. %) = Asp. 100.00-130.00m; parallel laminated alignment of py. & asp.	dark grey		68 189 111 135 80 71 55 310 26
130			Psamitic Schist	128.70 Silic (m) very fine grained psamitic schist with blk.mudy schist	dark grey -black		53 44 26 29 27 25
		137.36m (40mm), dk gry Qtz Vn Z42°		134.43 Fine to medium grained bio.rich silic (m) psamitic schist with blk. mudy schist.	dark grey	Py and/or Asp Chlorite Silic	17 20 42 27 25
140		142.82m (120mm), Bio rich, chloritized L. gry Qtz Vn Z40° 143.71m (24mm), Py Vt, L. gry Qtz Vn Z40°		139.78 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)	column	Qtz quartz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
0				Fine to medium grained psamitic schist Broken core	reddish brown	Bio	13
		∠40° 3.22-(0.02)m Hm + cloudy wht Qtz Vn					20
		3.67-3.95(0.28)m Hm + cloudy wht Qtz Vn		4.20 F.g. psamitic schist with dk grn-dk gy spot. Bio(wk)	reddish brown (dk grn-dk gry)		17
		∠58°		5.40 Fine to medium grained psamitic schist, Pelitic schist bearing	reddish brown (dk brown)		17
		∠55°		8.55 F.g. psamitic schist with dk grn-dk gy spot	reddish brown (dk grn-dk gry)		23
10				9.25 Medium grained psamitic schist	reddish brown		22
		∠33° 12.00-12.16(0.16)m ∠30° Hm + bw-lt gry c.g. Qtz Vn Ntwk 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	11.80 Medium grained psamitic schist with dark green - dark gray spot	reddish brown (dk grn-dk gry)		26
		∠40°		17.44 Medium grained psamitic schist with dark gray spot	reddish brown		16
		∠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)		23
20		20.06-20.50(0.44)m Hm(stl) + bw-lt gry Qtz Vn Ntwk zone					27
		∠48°	Meta andesite	25.45 Meta andesite, Bio bearing, Chl	dark green	89	
				26.30 Medium grained psamitic schist	reddish brown	124	
		∠30°				88	
		∠34°				68	
		∠65°				63	
		∠46°				69	
		∠45°				90	
30		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	Psamitic schist	29.05 Very fine grained psamitic schist, partly dark gray pelitic schist	reddish brown (dk grn-dk gry)	70	
				32.85 Medium grained psamitic schist,	reddish brown (dk grn-dk gry)	7	
				33.90 Fine grained psamitic schist, Chloritized Bio patch bearing (cdt schist)	reddish brown (dk grn-dk gry)	9	
				35.52 Fine to medium grained psamitic schist, Hm (film - 2mm) bearing (cdt schist)	reddish brown (dk grn-dk gry)	9	
40		39.05-40.10 (1.05)m many Qtz Vn (film-7mm)				27	
						27	
						407	
						78	
						392	
						13	
						12	
						9	
						9	
						10	
						19	
						9	
						9	
						40	
						56	
						17	
						8	

site: MDDH-10 Depth (m): 80m - 120m

No. 3/4

depth (m)	column	Qtz quartz 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 Vlt, 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
				Alternated fine to very fine grained psamitic schist and pelitic schist, Bio rich bearing, with Qtz Vlt, Strongly pyrite dissemination (Py > As-Py)			21
							21
							25
							25
							20
							23
							21
							26
							31
							45
					dark gray - black		198
							25
							22
							24
							16
							20
							96
100		98.80m (27mm) $\angle 22^\circ$ Pale grn-gry Qtz Vn, $\angle 23^\circ$	Psamitic schist / Pelitic schist	98.80m; Qtz Vn; Py Vlt (film - 1mm) bearing			40
							21
							15
							50
							26
							46
							22
		105.04m (15m) $\angle 58^\circ$ Wht c.g. Qtz Vlt, with Py diss Bio, Chl					31
		106.15m (16m) $\angle 22^\circ$ Py diss(wk) imp fl gry c.g. Qtz Vn, $\angle 30^\circ$		106.15m Biotite schist are chloritized around Qtz Vn (2cm), Py (5%) >> As-Py bearing			30
							45
					black - dark gray - gray		34
							42
							31
							32
							144
							37
							43
							33
							33
							160
120							329

site: MDDH-10 Depth (m): 120m - 153.10m

No. 4/4

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

site: MDDH-11

Depth (m): 40-80m

No. 2/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)							
40	.	∠40°	Psamitic Schist 45.43	Silic (wk) fine to medium grained psamitic schist with dk grn-yellow spots	dark green grey -red brown	Silic	11							
							38							
50		∠44°	Pelitic Schist 53.35	Alternation of drk grey v.f.gd muddy psamitic schist & blk muddy schist Hm stain along schistosity	black- dark grey	Hematite	13							
							11							
							12							
							11							
							18							
							107							
60	X X X X X X X X X X X X X X	56.15-56.31m (16mm) cloudy wht coarse grained Qtz Vn with gm yellow spot (Chloritised?) ∠26°	Quartz Porphyry-Granodiorite Porphyry 56.31	Quartz porphyry-granodiorite porphyry 56.15-56.31m; Quartz vein with grn yellow spots	dark grey- green	Chlorite	21							
							22							
							14							
							323							
							162							
							21							
70		∠52°	Quartz Porphyry-Granodiorite Porphyry 61.34	Quartz porphyry-granodiorite porphyry	dark grey- dark green	Chlorite	31							
							110							
							25							
							68							
							87							
							35							
							80	X X X X X X	∠40°	Alternation of Mudy Psamitic Schist and Mudy Schist 76.35	Alternation of drk grey v.f.gd muddy psamitic schist & blk muddy schist Hm stain along schistosity	black/grey/ dark grey	Chlorite	30
														31
														28
														19
														16
														220
22														
37														
21														
37														
36														
26														
29														
21														
35														
80	X X X X X X	∠40°	Granodiorite Porphyry 78.50	Granodiorite porphyry	dark green	Chlorite	22							
							26							
							28							
80		∠40°	Alternation of Mudy Psamitic Schist and Mudy Schist	Alternation of drk grey m-f.gd muddy psamitic schist & blk muddy schist with Hm stain along schistosity with qtz veinlets swarm	black/grey- dark grey	Chlorite	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		84.60m (18mm) Hm, chloritized whl Qtz Vn $\angle 54^\circ$	Alternation of Mudy Psamitic Schist and Mudy Schist	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
							11
							9
							10
							74
							12
							9
							525
							9
90		86.00m (12mm), 87.01m (15mm), 89.55m (20mm), 90.36m (10mm), 91.35m (10mm), 92.23m (70mm) chloritized, L. gry Qtz Vn $\angle 30-57^\circ$					92.35
							14
							77
							22
	X X	$\angle 36^\circ$	Quartz Porphyry-Granodiorite Porphyry	Quartz porphyry-granodiorite porphyry	green (92.35-92.95m)	Hematite Chlorite	15
	X X						14
	X X						22
	X X						41
	X X						43
	X X						28
	X X						79
	X X						201
	X X						78
	X X						111
100	X X	99.47m (20mm) L. gry Qtz Vn $\angle 40^\circ$				Py and/or Asp Silic Chlorite	129
	X X						82
	X X						93
	X X						31
	X X						138
	X X						45
	X X						112
110	X X	105.29m (19mm) L. gry Qtz Vn $\angle 40^\circ$	109.55	Quartz Vein	white- cloudy white		21
	X X		110.95	Quartz Vein			39
	X X						25
	X X						39
	X X						54
	X X						31
	X X						41
	X X						40
	X X						39
120		106.95-107.01m (69mm), gry Qtz Vn chloritized	117.01	Alternation of Mudy Psamitic Schist & Mudy Schist	grey -dark grey /black	Py and/or Asp Silic	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 drk grey m-f.gd muddy psamitic schist & blk muddy schist Hm stain along schistosity with qtz veinlets swarm			66
							35
							17
							26
							46
							27
							33
							40
							27
130							46
							54
							27
							42
							37
							30
							40
							42
							49
							18
140							19
	V V V V		140.05 Altered diorite	Altered diorite	dark green		21
			140.85				15
				Silic (wk) fine to medium grained psamitic schist with bio			19
							14
							15
							17
							15
							45
							30
150							36
			150.00				
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
		4.30m (10mm) Hm & cloudy wht Qtz Vn $\angle 40^\circ$		Fine to medium grained psamitic schist, qtz grain (ϕ 2-4mm) bearing 4.30 $\angle 40^\circ$ Hm+cloudy wht. Qtz vein 5.77- $\angle 45^\circ$ Hm+c.s grained cloudy wht.	red brown -dark brown /black		11
		5.77m (40mm) Hm & coarse grained cloudy wht Qtz Vn with small amount of Bio $\angle 45^\circ$					12
							13
							11
							21
							55
							1648
							560
10					red brown		16
							14
							28
							25
							14
							37
							19
							21
							15
20							7
						11	
		21.68m (15mm), 22.55m (10mm) Hm, Py & coarse grained wht Qtz Vn $\angle 50-75^\circ$		Blk pelitic schist	red brown	17	
						15	
						13	
						18	
						10	
						16	
						17	
						19	
30						17	
		29.08m (10mm) Hm & coarse grained Qtz Vn		29.20-29.65m; Hard pelitic schist-mudstone	black	14	
						16	
		30.06-30.75m Hm & Qtz Vn (40%) chloritized, no Py		Fine grained psamitic schist with small amount of Bio Hm (m-str), chl (wk), Qtz vein (1-6mm) bearing	dark brown -red brown	18	
						57	
		34.60-34.80m Hm & Qtz Net Vn (30%)		34.42-34.85m; Pelitic schist, Chloritized		1489	
						13	
		35.80m (50mm) strong Bio rich L. gry dusty Qtz Vn $\angle 15^\circ$		Fine to medium grained psamitic schist with dk grn spots.	red brown	24	
						7	
40						8	
						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	[diagonal lines]	41.55m (10mm) Hm&cloudy wht dusty Qtz Vn $\angle 65^\circ$		Fine to medium grained psamitic schist with dk grn spots	red brown	Chlorite	5
							5
							5
							38
							43
							33
							30
							20
							904
							138
50	[diagonal lines]	48.25m (18mm) Hm(str)&L. gry Qtz Vn $\angle 35^\circ$	Psamitic Schist	48.51 Fine grained psamitic schist	red brown /dark brown -dark grey	Chlorite	16
				49.94 Very fine grained psamitic schist interbedded with thin bk mud	red brown		19
				51.10 Silic coarse grained psamitic schist	red brown		26
				52.48 Fine grained psamitic schist	red brown -dark brown /black		28
				53.45 Very fine grained psamitic schist interbedded with thin bk mud	brown-dark grey		33
				54.25 Fine grained psamitic schist with dk grn spots	red brown -dark brown /black		41
				57.40 Very fine grained psamitic schist interbedded with thin bk mud	dark brown		49
				57.85 Fine grained psamitic schist with dk grn spots	red brown		18
				59.20 Fine to medium grained psamitic schist interbed with qtz veinlets	red brown		14
				60	[diagonal lines]		53.25m (50mm), 54.02m (26mm) Hm(str)&L. gry Qtz Vn $\angle 55^\circ$
28							
17							
16							
18							
20							
32							
18							
23							
16							
70	[diagonal lines]	65.27m (18mm) Hm(str)&L. gry Qtz Vn, chloritized $\angle 72^\circ$	Psamitic Schist	Fine grained psamitic schist with dk grn spots	red brown	Hematite Chlorite	16
							16
							24
							13
							14
							15
							36
							32
							15
							21
80	[diagonal lines]	72.54m (15mm) gry Qtz Vn $\angle 42^\circ$	Psamitic Schist and Pelitic Schist	Thinly beded alternation of coarse to medium grained psamitic schist and pelitic schist with Qtz veinlets swarm interbedded	brown dark grey /dark brown-grey /dark grey -black	Hematite Chlorite	16
							16
							20
							20
80	[diagonal lines]	74.39m (20mm) Hm&gry Qtz Vn, chloritized $\angle 62^\circ$	Psamitic Schist and Pelitic Schist	Thinly beded alternation of coarse to medium grained psamitic schist and pelitic schist with Qtz veinlets swarm interbedded	brown dark grey /dark brown-grey /dark grey -black	Hematite Chlorite	15
							15
							16
							20
80	[diagonal lines]	79.50m (22mm) Hm&L. gry Qtz Vn, milky wht clay fill in joint chloritized $\angle 54^\circ$	Psamitic Schist and Pelitic Schist	Thinly beded alternation of coarse to medium grained psamitic schist and pelitic schist with Qtz veinlets swarm interbedded	brown dark grey /dark brown-grey /dark grey -black	Hematite Chlorite	15
							15
							16
							20

site: MDDH-12

Depth (m): 80-120m

No. 3/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
80				Thinly bedded alternation of coarse to medium grained psamitic schist and pelitic schist Qtz veinlets swarm interbeded	dark grey-black	Silic	45
			Pelitic schist	Blk pelitic schist	black-dark grey		213
				Silic v.f. grained psamitic schist with densely hm.stain	dark brown		10
				V.f. grained psamitic schist with densely hm.stain	pale green-grey		61
			Silic Psamitic Schist				34
				Silic coarse grained psamitic schist with blk. Schist	dark brown-dark grey		32
							40
							28
							23
							27
90		86.88m (13mm) Hm&L. gry Qtz Vn Z64*			dark grey	29	
		88.17m (12mm) L. gry Qtz Vn Z52*		Silic (wk) m. grained psamitic schist	dark brown-dark grey	26	
						12	
				Fine grained psamitic schist Qtz.veinlets swarm		13	
						14	
						17	
			Fine Grained Psamitic Schist		red brown	19	
						21	
						17	
100		97.52m (20mm), 100.39m (19mm) pale gm Qtz Vn chloritized Z52-78*				27	
						20	
				Silic m. grained psamitic schist with Qtz.veinlets swarm	dark grey	24	
						27	
				Silic m. grained psamitic schist with muddy v.f.gd psamitic schist. Qtz.veinlets swarm		17	
						16	
						20	
						16	
						26	
						21	
110			Silic Psamitic Schist		red brown	33	
						13	
						13	
						22	
						27	
				Silic (wk.) fine to medium grained psamitic schist	red brown /dark grey	24	
						24	
						221	
				Alternation of blk.hard mud & f.gd.psamitic schist	black/grey	27	
						29	
120		114.43m (8mm), 115.01m (2mm), 115.48m (12mm) Hm&L. gry Qtz Vn partly chloritized Z32-75*				28	
		117.75m (20mm), 119.29m (12mm) Hm&Qtz Vn					

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 $\angle 70^\circ$ 125.38m (10mm) Py (wk)&L. grey Qtz Vt $\angle 50^\circ$ 127.75-127.82m, 129.17m (14mm) wht-milky wht Qtz, with Cc Net Vt $\angle 50^\circ$	Alternation of Mud & Psamitic Schist	Alternation of blk.hard mud & f. gd. psamitic schist	black /dark grey	Py and/or Asp	29			
							25			
							28			
							28			
							28			
			130		127.75-127.82m, 129.17m (14mm) wht-milky wht Qtz, with Cc Net Vt $\angle 50^\circ$	Alternation of Mud & Psamitic Schist	Alternation of blk.hard mud & f. gd. psamitic schist	black /dark grey	Py and/or Asp	29
										32
										348
										26
										20
140						Alternation of Mud & Silic Psamitic Schist	Alternation of blk.hard mud & silic (m) f. gd. psamitic schist	black /dark grey	Silic	27
										144
										80
										16
										893
			150			Alternation of Mud & Silic Psamitic Schist	Alternation of blk.hard mud & silic (m) f. gd. psamitic schist	black /dark grey	Silic	7
										127
										8
										12
										12
160						Alternation of Mud & Silic Psamitic Schist	Alternation of blk.hard mud & silic (m) f. gd. psamitic schist	black /dark grey	Silic	11
										90
										43
										16
										14
			160			Alternation of Mud & Silic Psamitic Schist	Alternation of blk.hard mud & silic (m) f. gd. psamitic schist	black /dark grey	Silic	20
										17
										14
										203
										14

site: MDDH-13

Depth (m): 0-40m

No. 1/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
0				Medium grained psamitic schist with Hm. along schistosity	red-brown	Hematite	11
1.53				Pelitic schist with Hm. along schistosity	brown-dark grey		22
2.05		2.56m (10mm) Hm&brecc Qtz Vn	Psamitic Schist and Pelitic Schist	Fine grained psamitic schist	red-brown		5
4.35				Medium grained psamitic schist with grn. spots	brown-dark grey		5
4.93				Fine grained psamitic schist with grey pelitic schist			21
							5
							5
							8
10					red-brown		11
							5
				Medium grained psamitic schist with Hm. films	dark brown		12
							5
				Fine grained psamitic schist with Hm. films	red brown		5
							9
				Medium grained psamitic schist with Hm. films	red brown-dark brown		5
							12
				Fine grained psamitic schist with Hm. films	dark grey-grey-brown		9
							11
							5
20				Coarse grained psamitic schist with rich Hm. films	purple-red brown		6
							26
				Fine grained psamitic schist with Hm. films	red brown		29
						32	
				Fine grained psamitic schist with grn. spots of chl.	red brown	22	
						19	
			Psamitic Schist	Fine to medium grained psamitic schist with qtz films		23	
						31	
						14	
						17	
						29	
						35	
				Coarse grained psamitic schist with Hm. films	purple-red brown	13	
						14	
				Fine grained psamitic schist with Hm. films Agrn. spots along qtz veinlets/long		18	
						11	
					red brown	10	
						9	
						12	
						157	
40						11	

2.56m (10mm) Hm&brecc Qtz Vn

22.74-22.94m Hm(str)&L gry Qtz Vn, chloritized, bearing brecc

23.80-23.90m Hm&Qtz Net Vn

26.60-26.83m Hm&gry brecciated Qtz Net Vn

27.99m (30mm) Hm&gry Qtz Net Vn chloritized, bearing brecc.∠60°

36.93-37.12m, 38.48-38.65m Hm&gry Qtz Net Vn

Hematite

Chlorite

Chlorite

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	[diagonal lines]	41.42m (30mm), 44.20m (12mm) L. gry-gry Qtz Vn ∠52-70°	Psamitic Schist	Fine grained psamitic schist with Hm. films Agrn. spots along qtz veinlets/long	red brown	Chlorite Pyrite	37		
				44.23-45.65m; dk bw -blk silic very fine gd psamitic schist			9		
				44.93			Silic medium grained psamitic schist	9	
				46.10			Fine grained psamitic schist with Hm. films	11	
				47.65			Bio bearing medium grained psamitic schist	9	
				53.30			Silic medium grained psamitic schist with dk grn.-grn. chl spots	22	
				52.36m (20mm) gm gry Qtz Vn chloritized around Qtz vein ∠22°			Silic Psamitic Schist	red brown/black	17
				53.30-53.70m; Silic blk Pelitic schist with Hm. along schistosity			red brown -brown	18	
				66.05			Silic fine to medium grained psamitic schist with qtz films	7	
				66.05-66.58m; Bio rich medium grained psamitic schist with qtz-ca veinlets bearing			red -dark brown	12	
50	[diagonal lines]	65.50m (25mm) gm Qtz Vn with Cc vein ∠24°	Sandstone	Very fine grained thinniy laminated sandstone with dk grn. chl spots	red dark brown	Silic & Hematite Chlorite	245		
				71.17-71.37m; Sheared zone			1211		
				71.10m (14mm) gry Qtz Vn ∠63°			25		
				73.80-73.88m gry Qtz Vn ∠54°			9		
				76.59m (25mm) Hm&L. gry Qtz Vn ∠50°			6		
				77.00-77.00m			7		
				77.00-77.00m			12		
				77.00-77.00m			12		
				77.00-77.00m			23		
				77.00-77.00m			18		
60	[diagonal lines]	73.80-73.88m gry Qtz Vn ∠54°	Sandstone	71.17-71.37m; Sheared zone	dark grey -black	Chlorite	16		
				73.80-73.88m; Sheared zone			17		
				76.59m (25mm) Hm&L. gry Qtz Vn ∠50°			18		
				77.00-77.00m			140		
				77.00-77.00m			24		
				77.00-77.00m			16		
				77.00-77.00m			431		
				77.00-77.00m			15		
				77.00-77.00m			8		
				77.00-77.00m			5		
70	[diagonal lines]	76.59m (25mm) Hm&L. gry Qtz Vn ∠50°	Sandstone	71.17-71.37m; Sheared zone	red brown	Chlorite	5		
				73.80-73.88m; Sheared zone			5		
				76.59m (25mm) Hm&L. gry Qtz Vn ∠50°			6		
				77.00-77.00m			5		
				77.00-77.00m			10		
				77.00-77.00m			21		
				77.00-77.00m			5		
				77.00-77.00m			10		
				77.00-77.00m			9		
				77.00-77.00m			6		
80	[diagonal lines]	76.59m (25mm) Hm&L. gry Qtz Vn ∠50°	Sandstone	71.17-71.37m; Sheared zone	red brown	Chlorite	6		
				73.80-73.88m; Sheared zone			6		

site: MDDH-13

Depth (m): 80-120m

No. 3/4

depth (m)	column	Qz vein and Fracture	Lithology	Description	color	Alteration Mineralization	Au (ppb)
80		<p>∠50°</p> <p>87.40m (15mm), 87.57m (18mm) Hm&pale gry Qtz Vn ∠40°</p> <p>89.50m (50mm) Hm&dark gm Qtz, chloritized</p> <p>90.77m (10mm), 91.36m (10mm) gry Qtz</p> <p>∠50°</p> <p>∠43°</p> <p>106.06-106.48m Hm rich gry Qtz Net Vn</p> <p>107.88m (4mm) Hm&gry Qtz Net Vn, chloritized ∠80°</p> <p>111.12-111.32m (4mm) whl-pale gry Qtz Vn ∠62°</p>	Psamitic Schist	Silic (wk) fine to medium grained psamitic schist with dk grn. chl spots	red brown	<p>Silic</p> <p>Hematite</p> <p>Py and/or Asp, Chlorite</p> <p>Chlorite</p> <p>Py and/or Asp</p> <p>Chlorite</p> <p>Chlorite</p>	231
84.15				Fine grained psamitic schist with Hm. films	red brown		59
86.68				Fine grained psamitic schist	red brown		121
89.05			Silic(wk) fine to medium grained psamitic schist with dk grn. chl spots	dark grey /dark brown	57		
91.50			Fine grained psamitic schist with grn. spots of chl.	red brown	125		
94.60			Coarse grained psamitic schist		8		
			Alternation of drk grey silic f gd psamitic schist & blk Pelitic schist	red brown /dark grey	9		
					23		
					14		
					20		
100			102				
			68				
			11				
			13				
			28				
			38				
			38				
			25				
			32				
			40				
			57				
			42				
			16				
			42				
			34				
			45				
			17				
			19				
110			108.16				
		Diorite -Andesite	Altered diorite-andesite	dark grey -black	25		
			109.27		75		
			111.32		27		
					14		
					16		
					22		
					17		
					35		
					105		
					35		
					23		
120					19		

Ap.6 RC ボーリング掘削実績表及び工程表

Ap.7 RC ボーリング使用機器，消耗品及び数量一覧表

Ap.8 DDH ボーリング掘削実績表及び工程表

Ap.9 DDH ボーリング使用機器，消耗品及び数量一覧表

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)

	December, 2001							January, 2002																							
	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
MDDH-6	—————							—————																							
MDDH-7												—————																			
MDDH-8														—————																	
MDDH-9														—————																	
MDDH-10																							—————								
MDDH-11																														To Bamako	
MDDH-12																					—————										
MDDH-13																						—————									

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

(Equipment)

Denomination	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 檢鏡結果(岩石薄片, 研磨薄片)

Thin Section (1)

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	Stilpnomelane	Opaque 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 schist	Shistosity	○	○								⊙	○		+	+						+											The schistosity is defined by the preferred orientation of biotite and muscovite.

Thin Section (2)

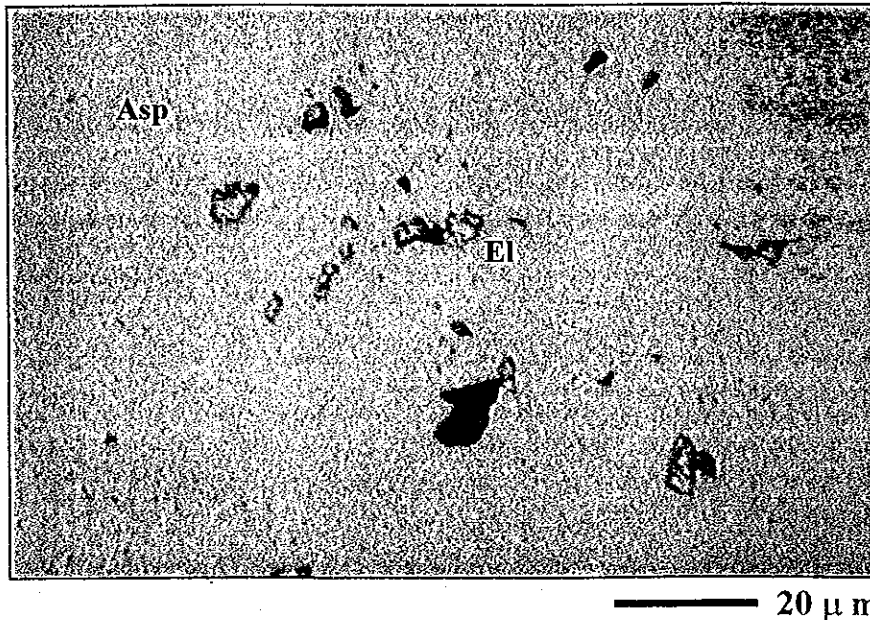
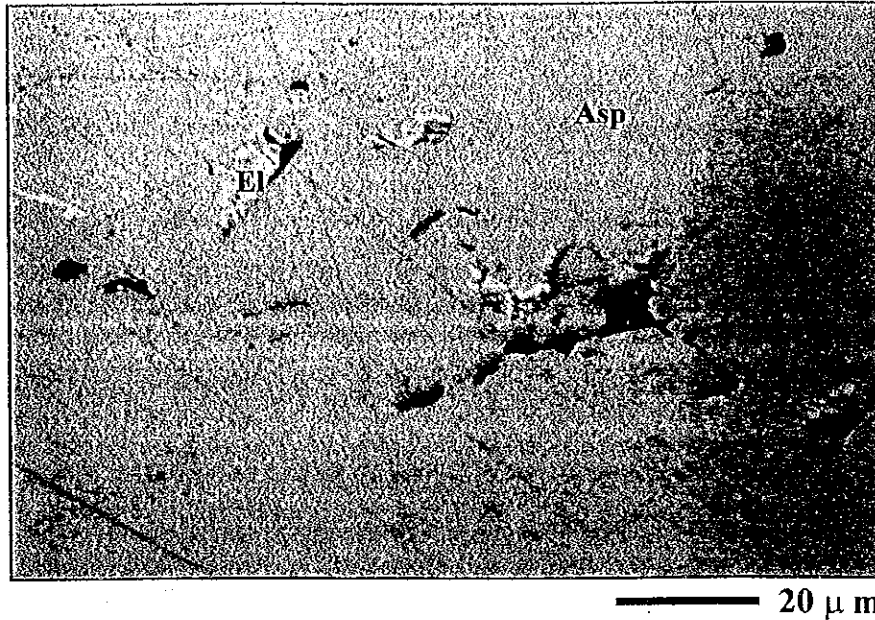
No.	Sample No.	Rock name	Texture	Minerals																	Remarks													
				Quartz	Plagioclase	Albite	K-feldspar	Microcline	Clinopyroxene	Orthopyroxene	Pigeonite	Hornblende	Actinolite	Biotite	Muscovite	Calcite	Apatite	Chlorite	Chloritoid	Epidote		Tourmaline	Zircon	Hematite	Pyrite	Magnetite	Titanite	Talc	Graphite	Corundum	Prehnite	Stilpnomelane	Opaque mineral	
19	MDDH-12 134.0T	Biotite graphite schist	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 schist	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. 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.		
24	S-177T	Biotite quartz monzonite	Equigranular	·	○		+	+			○	+		·	·				·													Quartz, plagioclase and lithic fragments occur as angular clastic grains. Muscovite, tourmaline, biotite, chlorite and graphite occur in the matrix.		
25	S-154T	Meta-sandstone	Blastopsamitic	○	+							+		+	○			·	·														Pigeonite- and orthopyroxene-bearing dolerite with ophitic texture. Interstitial spaces are filled by micrographic aggregate of quartz and K-feldspar.	
26	S-164T	Three-pyroxene dolerite	Ophitic	·	⊙				○	○	+		+	·	·	·								+										
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



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 grains (10 to 150 μ m) sporadically distribute in rock. Several grains are included in the larger arsenopyrite grains. Some coexist with chalcopyrite or sphalerite.

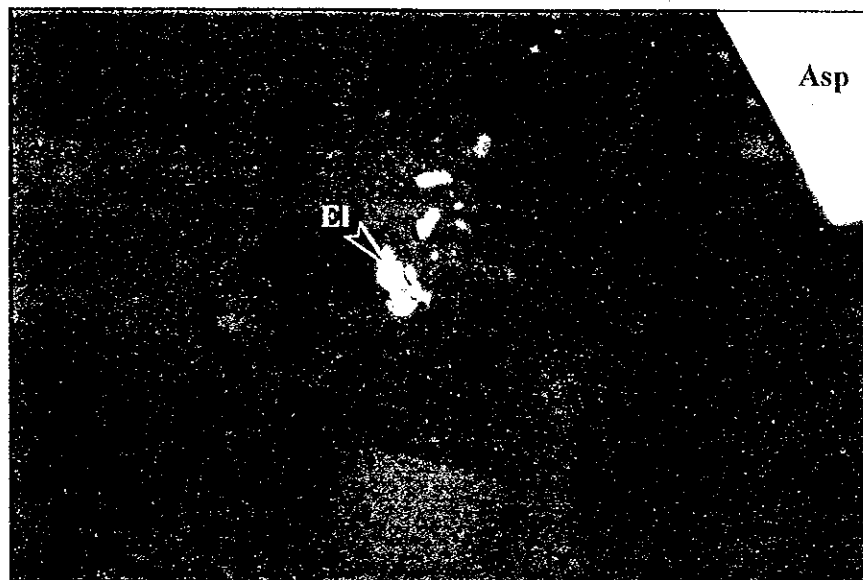
A very small amount of anhedral to subhedral pyrite grains (10 to 30 μ m) and anhedral chalcopyrite grains (10 to 20 μ m) sporadically distribute in rock. Some chalcopyrite grains show close coexisting relationship with pyrrhotite. Only several anhedral sphalerite grains (10 to 20 μ min size) are found. 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 be 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



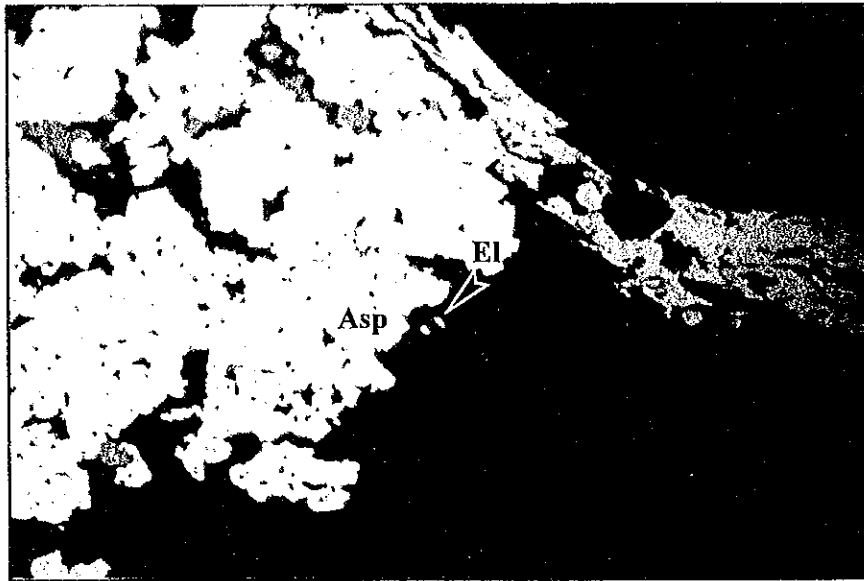
20 μ m

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.

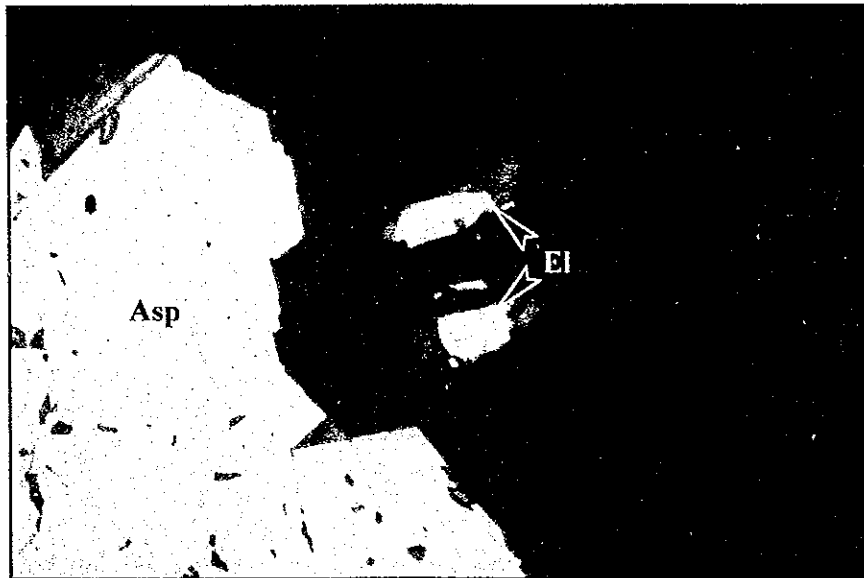
A very small amount of anhedral pyrite (15 to 50 μ m in size) and chalcopyrite (Cp: 10 to 30 μ m in size) sporadically occurs in rock.

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



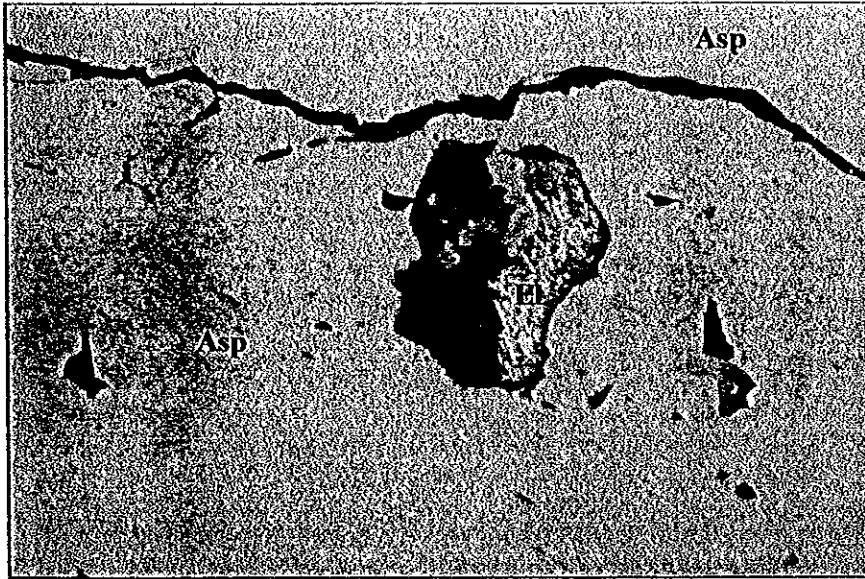
0.05mm



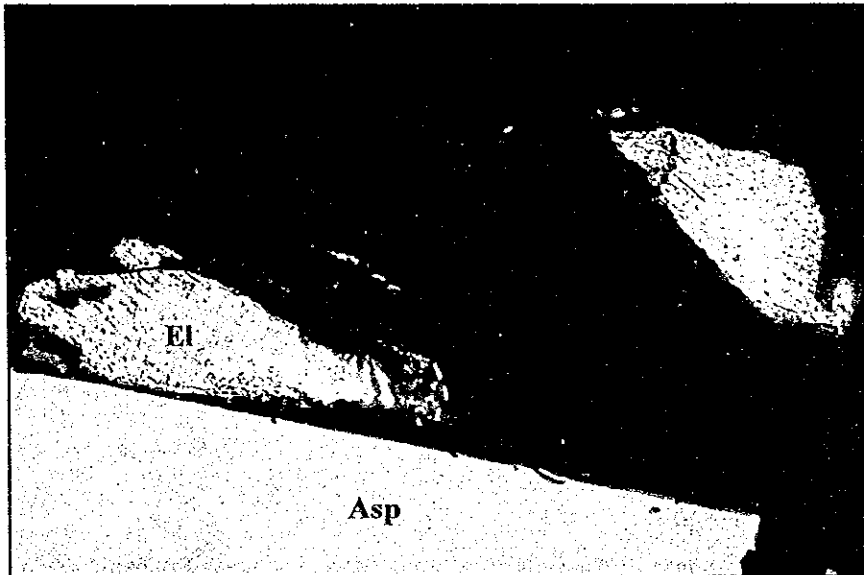
20 μm

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.