

App. 6-4 Summary of the Drilling Operation on MJP-10

Operation	Survey Period				Total man day		
	Period	Days	Work day	Off day	Engineer	Worker	
			days	days	man	man	
Preparation	23.6.1989 ~ 26.6.1989	4	4	0	16	60	
Drilling	27.6.1989 ~ 19.7.1989	23	Drilling	22	1	88	264
			Recovering				
Removing	20.7.1989 ~ 20.7.1989	1	1	0	4	12	
Total	23.6.1989 ~ 20.7.1989	28	27	1	108	336	
Drilling length			Core recovery of 100 m hole				
Length planned	500.00 m	Overburden	7.80m	Depth of hole	Core recovery	Core recovery cumulated	
Increase or Decrease in length		Core length	483.60m	( m )	( % )	( % )	
Length drilled	500.30 m	Core recovery	98.1	0 ~ 100	93.3	93.3	
				100 ~ 200	98.7	96.1	
				200 ~ 300	98.7	97.0	
				300 ~ 400	99.8	97.7	
				400 ~ 500.3	100	98.1	
Working hours	h	%	%	Efficiency of Drilling			
Drilling	318° 20'	61.2	56.2	Total m/work period(m/day)	500.30 m/22 days (22.74m/day)		
Other working	155° 00'	29.8	27.3	Total m/total shift (m/shift)	500.30 m/63 shifts (7.94m/shift)		
Recovering	46° 40'	9.0	8.2	Drilling length/bit(each sized bit)			
Total	520° 00'	100	91.7	Bit size	HX	NQ	BQ
Reassemblage	38° 00'		6.7	Drilled length	10.10m	287.90m	202.30
Dismantlement	9° 00'		1.6	Core length	0.60m	280.90m	202.10
Water transportation	(160° 00')						
Road construction and others	(126° 00')						
G.Total	567° 00'		100				
Casing pipe inserted							
Size	Meterage ( m )	Meterage drilling × 100 length ( % )	Recovery ( % )				
H X	9.10	1.8	100				
N X	48.10	9.6	100				
B X	298.00	59.6	100				

App. 6-5 Summary of the Drilling Operation on MJP-11

Operation	Survey Period				Total man day		
	Period	Days	Work day	Off day	Engineer	Worker	
Preparation	12.6.1989 ~ 12.6.1989	0.5	0.5	0	2	5	
Drilling	13.6.1989 ~ 21.6.1989	9	Drilling	9	0	36	108
			Recovering				
Removing	22.6.1989 ~ 22.6.1989	1	1	0	3	9	
Total	12.6.1989 ~ 22.6.1989	10.5	10.5	0	41	122	
Drilling length	250.00 m		Overburden	1.10m	Core recovery of 100 m hole		
Length planed					Depth of hole	Core recovery	Core recovery cumulated
Increase or Decrease in length	-	Core length	242.0m		( m )	( % )	( % )
Length drilled	251.00 m	Core recovery	96.8		0 ~ 100	92.9	92.9
					100 ~ 200	99.2	96.0
					200 ~ 251	99.8	96.8
					~		
Working hours	h	%	%	Efficiency of Drilling			
Drilling	145'00"	67.1	62.8	Total m/work period(m/day)	251.00 m/ 9 days (27.88m/day)		
Other working	56'20"	26.1	24.4	Total m/total shift (m/shift)	251.00 m/27 shifts (9.29m/shift)		
Recovering	14'40"	6.8	6.3	Drilling length/bit(each sized bit)			
Total	216'00"	100	93.5	Bit size	HX	NQ	BQ
Reassemblage	7'00"		3.0	Drilled length	4.10m	146.00m	100.90
Dismantlement	8'00"		3.5	Core length	1.20m	140.30m	100.50
Water transportation	(53'00")						
Road construction and others							
G.Total	231'00"		100				
Casing pipe inserted	Size	Meterage ( m )	Meterage drilling × 100 length ( % )	Recovery ( % )			
	H X	3.10	1.2	100			
	N X	24.10	9.6	100			
	B X	150.10	60.0	100			

App. 6-6 Summary of the Drilling Operation on MJP-12

Operation	Survey Period				Total man day		
	Period	Days	Work day	Off day	Engineer	Worker	
Preparation	2.6.1989 ~ 5.6.1989	4	4 days	0 days	16 man	60 man	
Drilling	6.6.1989 ~ 11.6.1989	6	Drilling	0	24	72	
			Recovering				
Removing	12.6.1989 ~ 12.6.1989	0.5	0.5	0	2	5	
Total	2.6.1989 ~ 12.6.1989	10.5	10.5	0	42	137	
Drilling length	Core recovery of 100 m hole						
Length planned	150.00 m	Overburden	1.60m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)	
Increase or Decrease in length	-	Core length	142.40m	0 ~ 100	93.4	93.4	
Length drilled	151.00 m	Core recovery	95.3 %	100 ~ 151	98.8	95.3	
Working hours		h	%	Efficiency of Drilling			
Drilling	74°10'	54.5	41.5	Total m/work period(m/day)	151.00 m/ 6 days (25.16m/day)		
Other working	57°50'	42.5	32.3	Total m/total shift (m/shift)	151.00 m/15 shifts (10.06m/shift)		
Recovering	4°00'	3.0	2.2	Drilling length/bit(each sized bit)			
Total	136°00'	100	76.0	Bit size	HX	NQ	BQ
Reassemblage	39°00'		21.8	Drilled length	3.10m	147.90m	
Dismantlement	4°00'		2.2	Core length	1.00m	141.40m	
Water transportation and others	(28°00')						
G.Total	179°00'		100				
Casing pipe inserted		Meterage drilling × 100 Recovery length (%)					
Size	Meterage (m)						
H X	1.60	1.1	100				
N X	27.10	18.1	100				

App. 6-7 Summary of the Drilling Operation on MJP--13

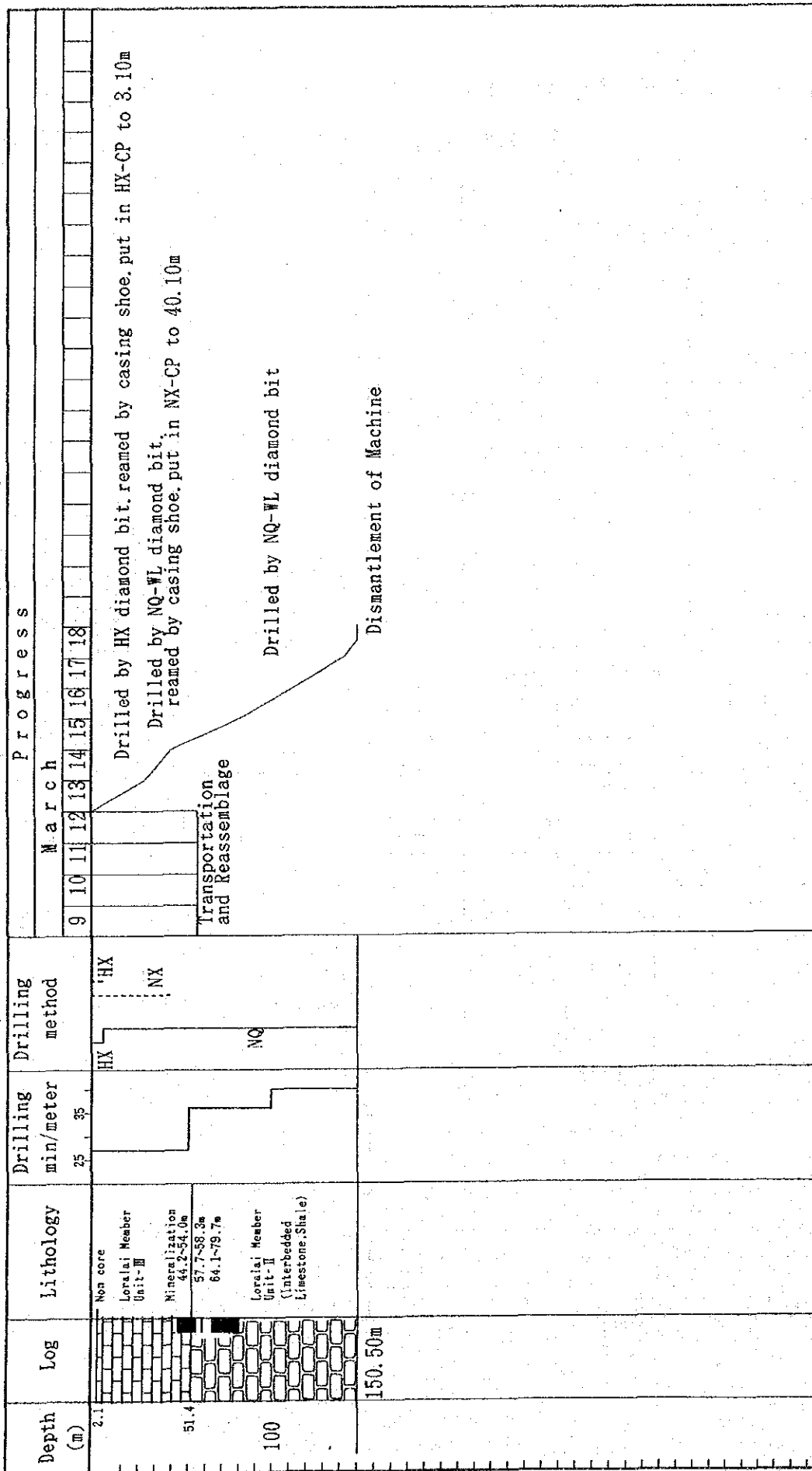
Operation	Survey Period				Total man day	
	Period	Days	Work day	Off day	Engineer	Worker
Preparation	19.3.1989 ~ 20.3.1989	2	2	0	8	24
Drilling	21.3.1989 ~ 4.4.1989	15	Drilling	0	60	181
			Recovering			
Removing	5.4.1989 ~ 5.4.1989	1	1	0	4	12
Total	19.3.1989 ~ 5.4.1989	18	18	0	72	217
Drilling length	Core recovery of 100 m hole					
Length planned	350.00 m	Overburden	2.70m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or Decrease in length	-	Core length	343.50m	0 ~ 100	97.2	97.2
Length drilled	351.00 m	Core recovery	98.6	100 ~ 200	97.9	97.5
				200 ~ 300	100	98.3
				300 ~ 351	100	98.6
Working hours	h	%	%	Efficiency of Drilling		
Drilling	217'40'	60.5	56.1	Total m/work period(m/day)	351.00 m/15 days (23.40m/day)	
Other working	128'10'	35.6	33.0	Total m/total shift (m/shift)	351.00 m/43 shifts (8.16m/shift)	
Recovering	14'10'	3.9	3.7	Drilling length/bit(each sized bit)		
Total	360'00'	100	92.8	Bit size	HX	NQ
Reassemblage	20'00'		5.1	Drilled length	4.10m	206.30m
Dismantlement	8'00'		2.1	Core length	1.00m	201.90m
Water transportation	(168'00')					140.60
Road construction and others						
G.Total	388'00'		100			
Casing pipe inserted	Meterage drilling × 100 Recovery (%)					
Size	Meterage (m)	Meterage drilling × 100 (%)		Recovery (%)		
H X	3.10	0.9		100		
N X	63.10	18.0		100		
B X	210.40	60.1		100		

App. 6-8 Summary of the Drilling Operation on MJP-14

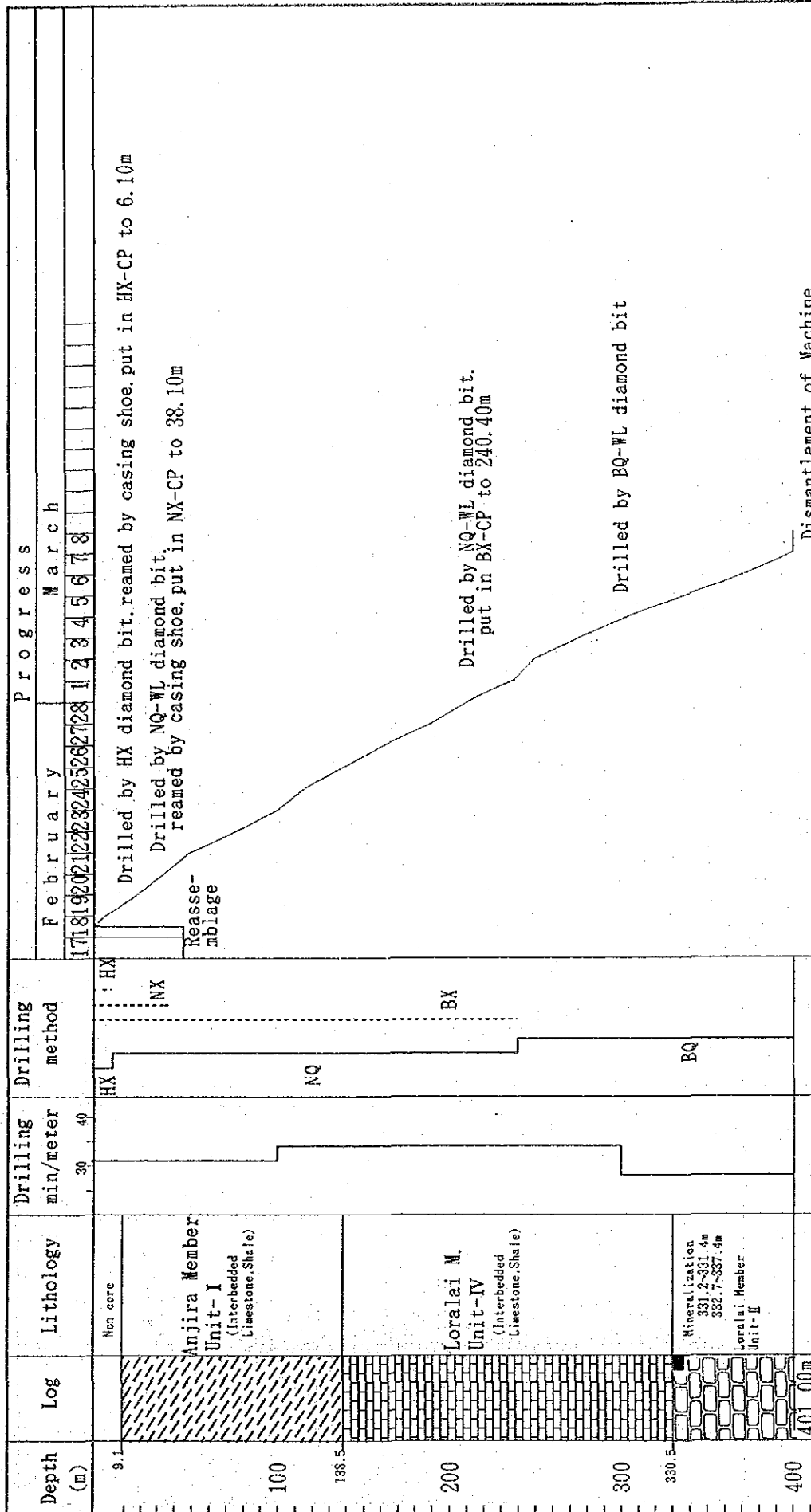
Operation	Survey Period				Total man day			
	Period	Days	Work day	Off day	Engineer	Worker		
Preparation	12.5.1989 ~ 13.5.1989	1.5	1.5	0	6	18		
Drilling	14.5.1989 ~ 31.5.1989	14	Drilling	0	75	216		
			Recovering					
Removing	1.6.1989 ~ 1.6.1989	1	1	0	1	12		
Total	12.5.1989 ~ 1.6.1989	16.5	16.5	0	82	246		
Drilling length				Core recovery of 100 m hole				
Length planned	350.00 m	Overburden	4.10m	Depth of hole ( m )	Core recovery ( % )	Core recovery cumulated ( % )		
Increase or Decrease in length	-	Core length	337.60m					
Length drilled	351.00 m	Core recovery	97.3	0 ~ 100	92.3	92.3		
				100 ~ 200	98.2	95.3		
				200 ~ 300	99.8	96.8		
				300 ~ 351	100	97.3		
Working hours		h	%	Efficiency of Drilling				
Drilling		241'30"	56.2	53.7	Total m/work period(m/day)			
Other working		153'40"	35.7	34.2	351.00 m/14 days			
Recovering		34'50"	8.1	7.7	(25.07m/day)			
Total		430'00"	100	95.6	Total m/total shift (m/shift)			
Reassemblage		14'00"		3.1	351.00 m/50 shifts			
Dismantlement		6'00"		1.3	(7.02m/shift)			
Water transportation	(191'00")				Drilling length/bit(each sized bit)			
Road construction and others					Bit size	HX	NQ	BQ
G.Total	450'00"		100		Drilled length	6.10m	204.30m	140.60
					Core length	0.20m	197.00m	140.40
Casing pipe inserted								
Size	Meterage ( m )	Meterage drilling × 100 length ( % )	Recovery ( % )					
H X	5.10	1.5	100					
N X	36.10	10.3	100					
B X	210.40	60.1	85					

App. 6-9 Summary of the Drilling Operation on MJP-15

Operation	Survey Period				Total man day		
	Period	Days	Work day	Off day	Engineer	Worker	
			days	days	man	man	
Preparation	6.4.1989 ~ 11.4.1989	6	6	0	24	104	
Drilling	12.4.1989 ~ 6.5.1989	25	Drilling	0	84	188	
			Recovering	9	0	36	108
Removing	7.5.1989 ~ 12.5.1989	5.5	0.5	5	2	6	
Total	6.4.1989 ~ 12.5.1989	36.5	31.5	5	126	406	
Drilling length	300.00 m		Overburden	Core recovery of 100 m hole			
Length planned			3.10m	Depth of hole ( m )	Core recovery ( % )	Core recovery cumulated ( % )	
Increase or Decrease in length	-	Core length	289.10m				
Length drilled	300.20 m	Core recovery	97.3 %	0 ~ 100	91.3	91.3	
				100 ~ 200	99.4	98.8	
				200 ~ 300.2	98.2	97.3	
Working hours	h	%	%	Efficiency of Drilling			
Drilling	173°40'	29.7	26.9	Total m/work period(m/day)	300.20 m/16 days		
Other working	150°10'	25.7	23.3		(18.76m/day)		
Recovering	260°10'	44.6	40.3	Total m/total shift (m/shift)	300.20 m/44 shifts		
Total	584°00'	100	90.5		(6.82m/shift)		
Reassemblage	57°00'		8.9	Drilling length/bit(each sized bit)			
Dismantlement	4°00'		0.6	Bit size	HX	NQ	BQ
Water transportation	(410°00')			Drilled length	4.00m	176.10m	120.10
Road construction and others				Core length	0.50m	170.30m	118.30
G.Total	645°00'		100				
Casing pipe inserted		Meterage drilling × 100 length	Recovery				
Size	Meterage ( m )	( % )	( % )				
H X	7.60	2.5	100				
N X	48.10	16.0	100				
B X	253.96	84.6	100				

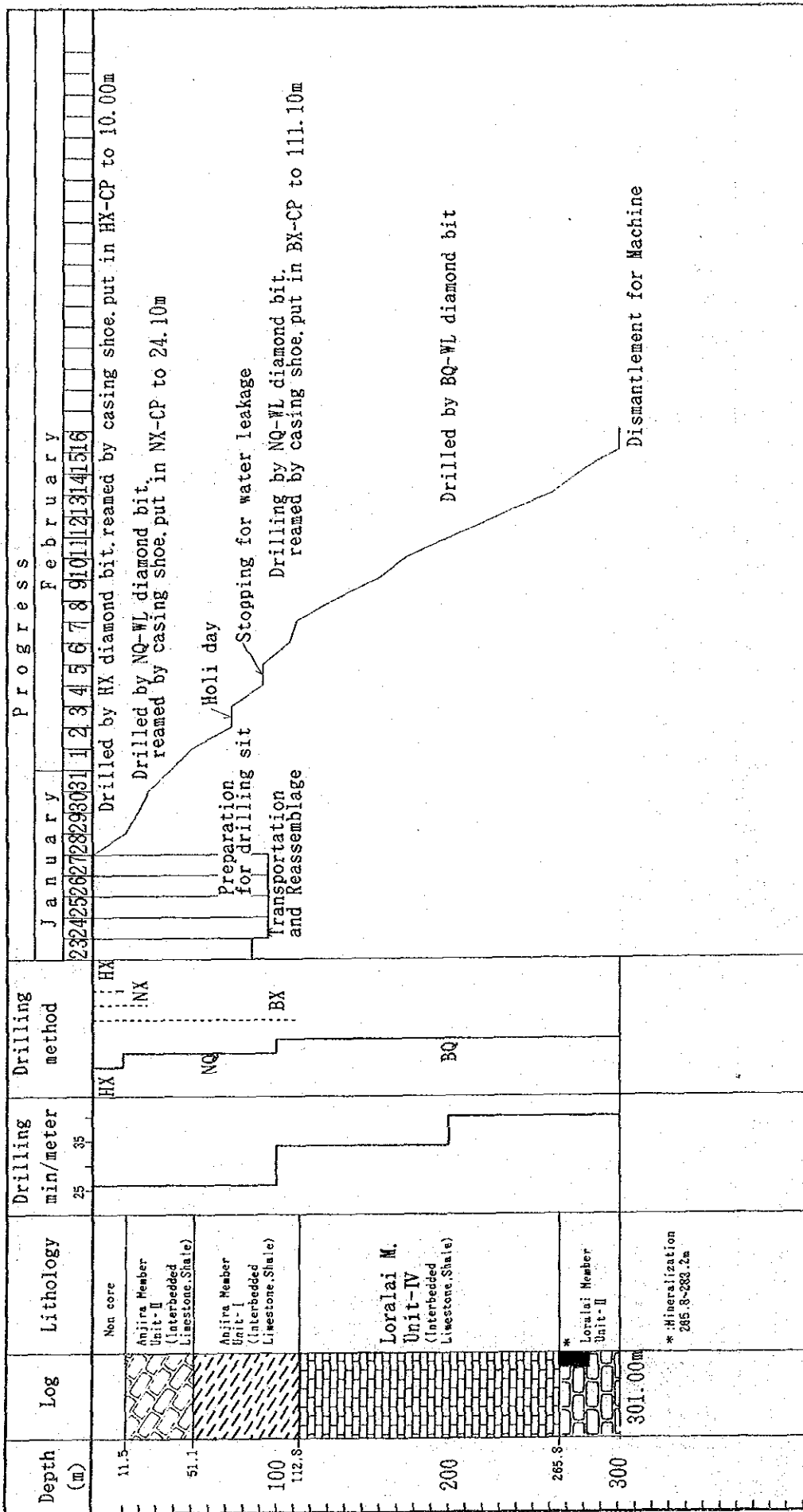


App. 7-1 Drilling Progress of MJF-7

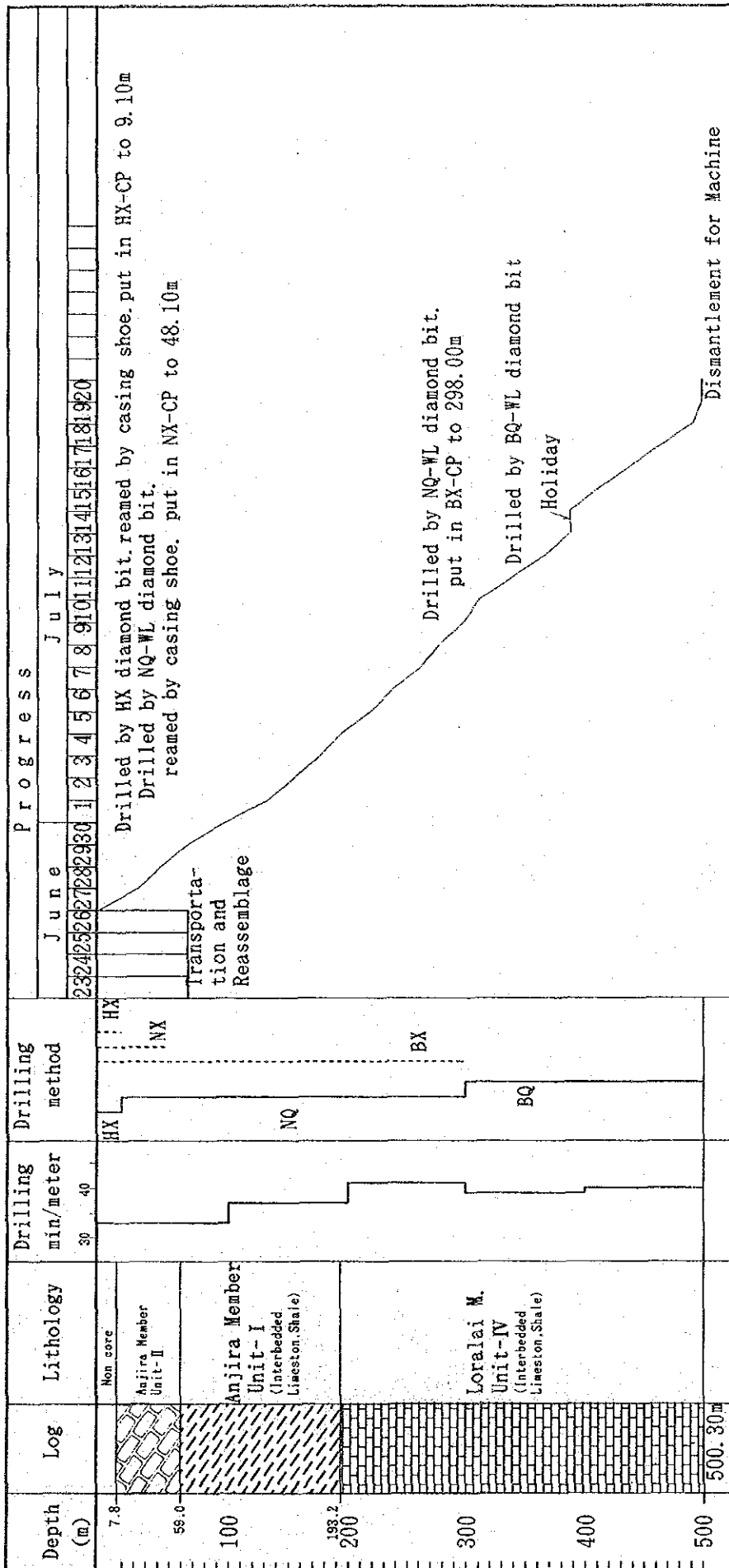


App. 7-2 Drilling Progress of MJP-8

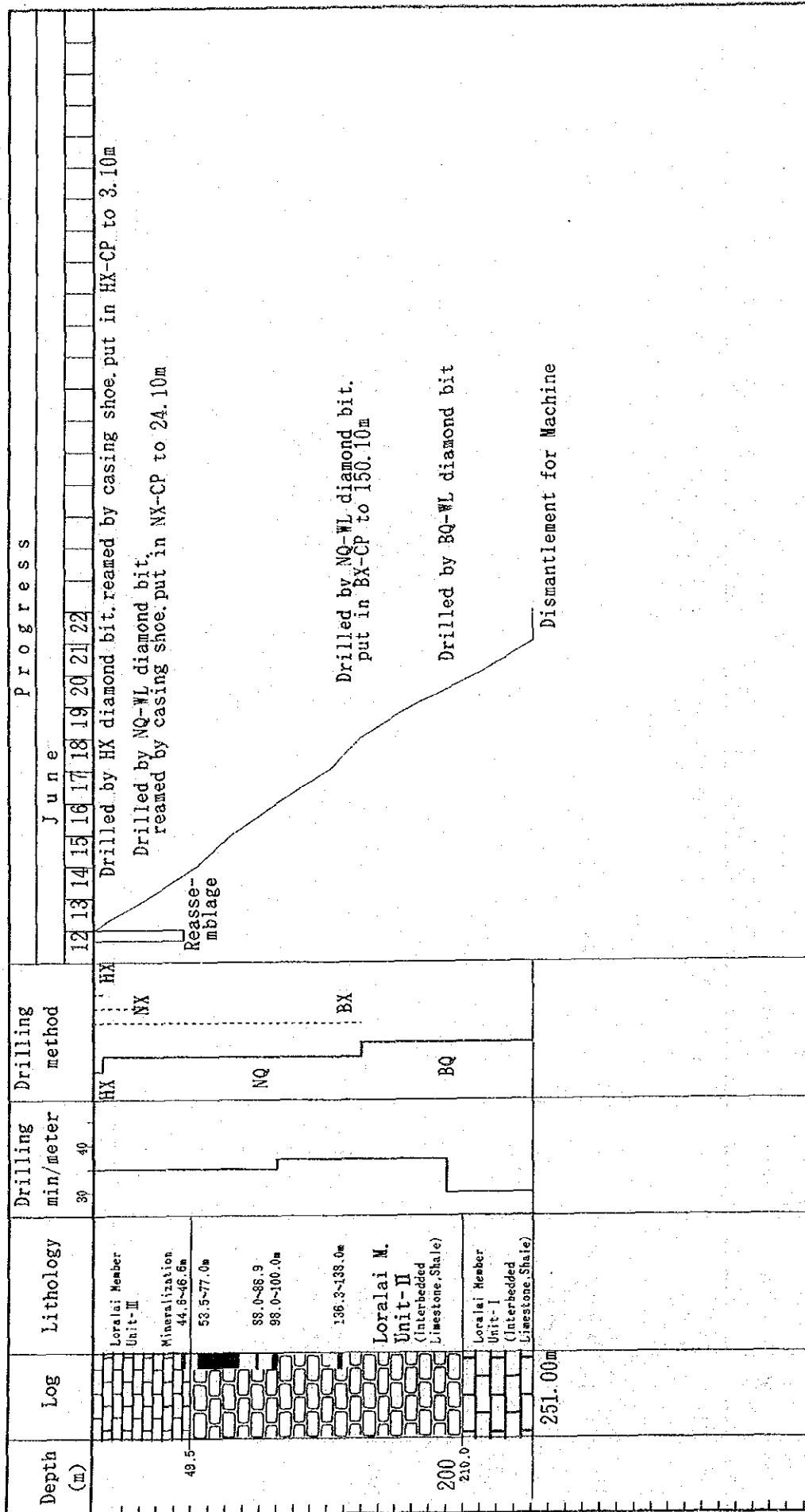




App. 7-3 Drilling Progress of MJP-9



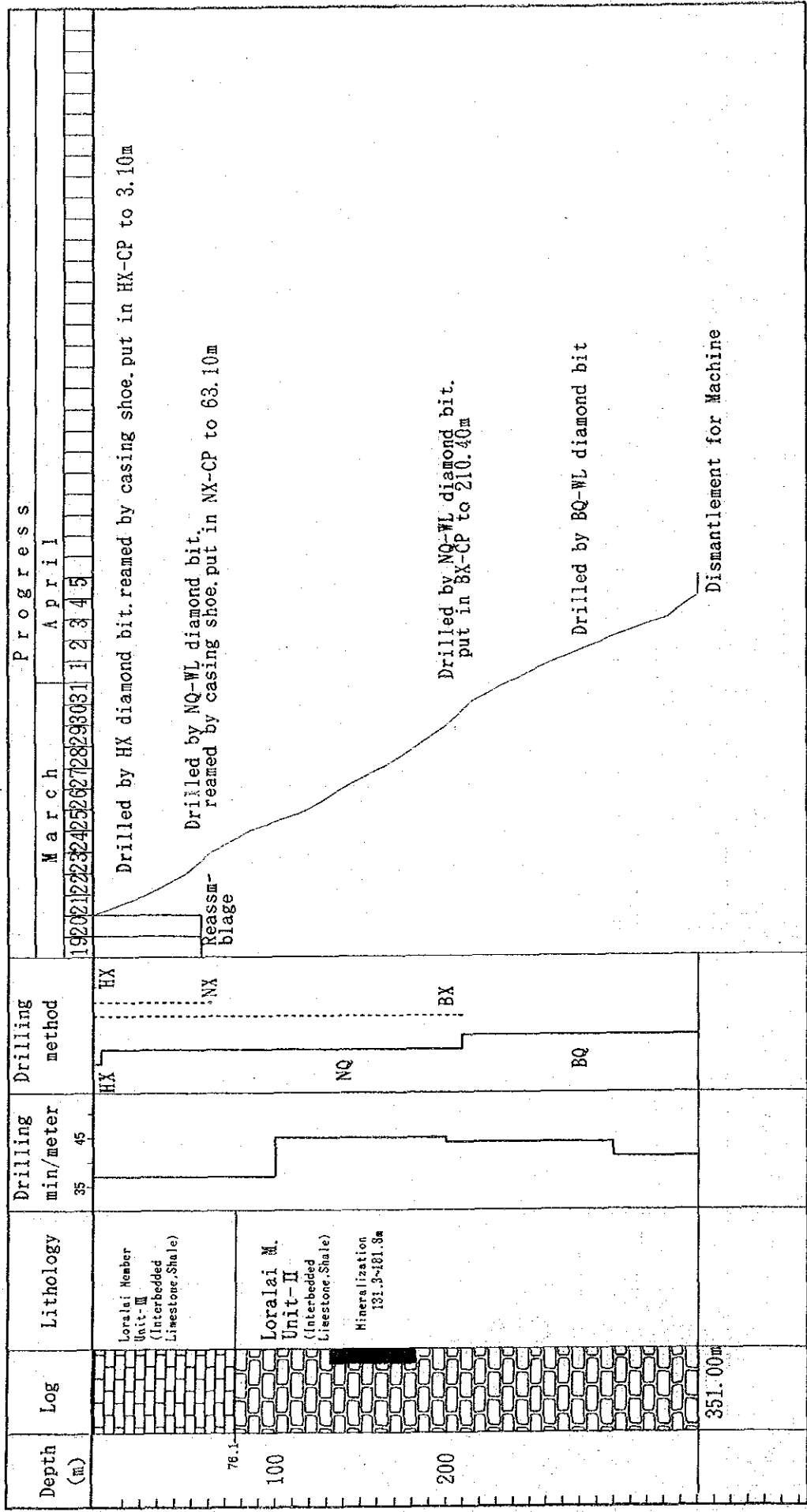
App. 7-4 Drilling Progress of MJP-10



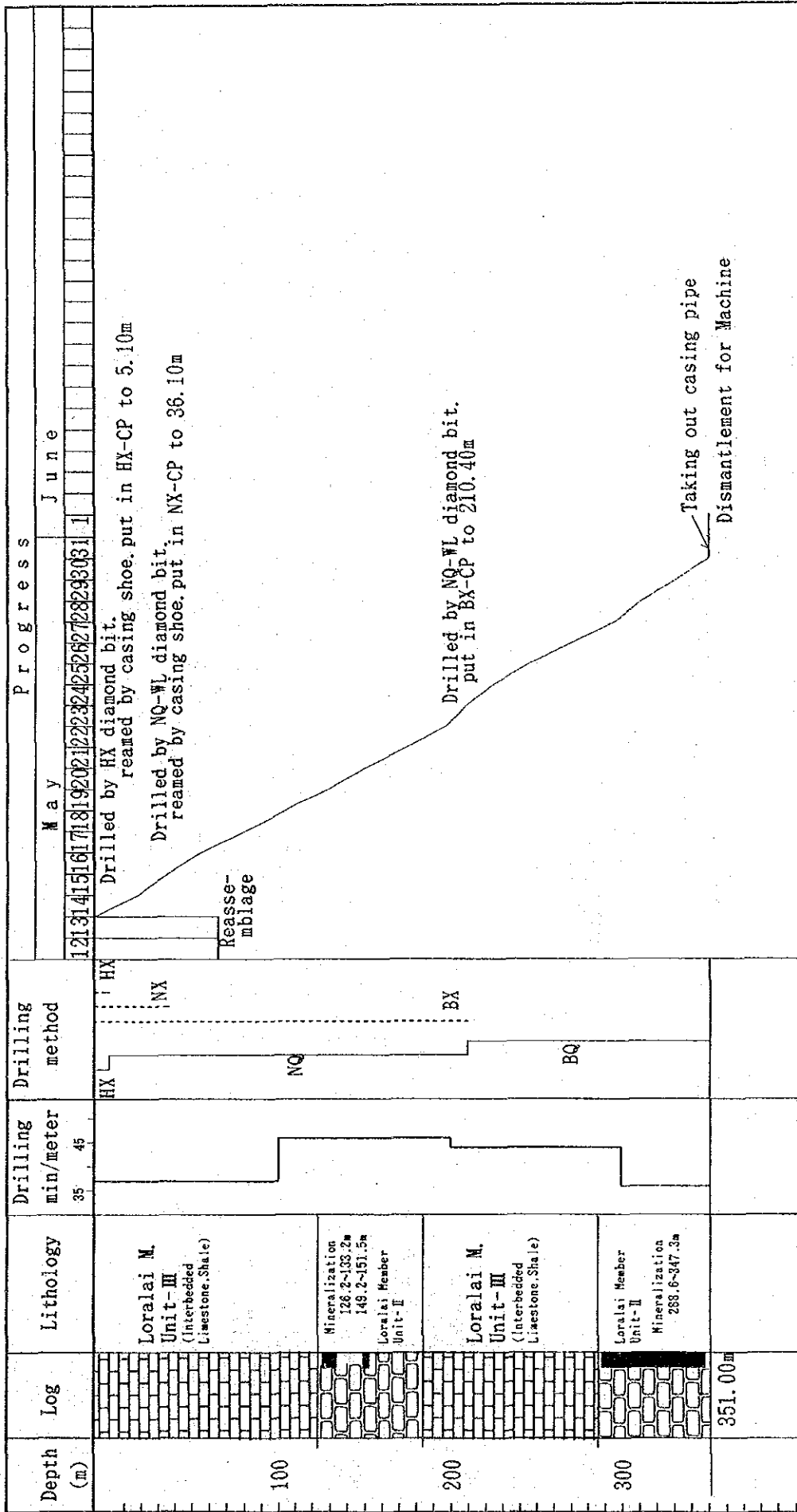
App. 7-5 Drilling Progress of MJP-11

P r o g r e s s												
J u n e												
2	3	4	5	6	7	8	9	10	11	12		
Depth (m)	Log	Lithology	Drilling min/meter	Drilling method	<p>Drilled by HX diamond bit. reamed by casing shoe. put in HX-CP to 1.60m</p> <p>Drilled by NQ-WL diamond bit. reamed by casing shoe. put in NX-CP to 27.10m</p> <p>transportation and reassemblage</p> <p>Drilled by NQ-WL diamond bit</p> <p>Dismantlement for Machine</p>							
					<p>Lorslai Member Unit-III</p> <p>Mineralization 40.4-43.6m 46.6-71.3m</p> <p>78.7-80.4m</p> <p>Lorslai Member Unit-II (Interbedded Liasston, Shale)</p>	<p>HX</p> <p>NX</p> <p>NQ</p>	<p>25</p> <p>35</p>	<p>HX</p> <p>NX</p>				
100												
151.00m												

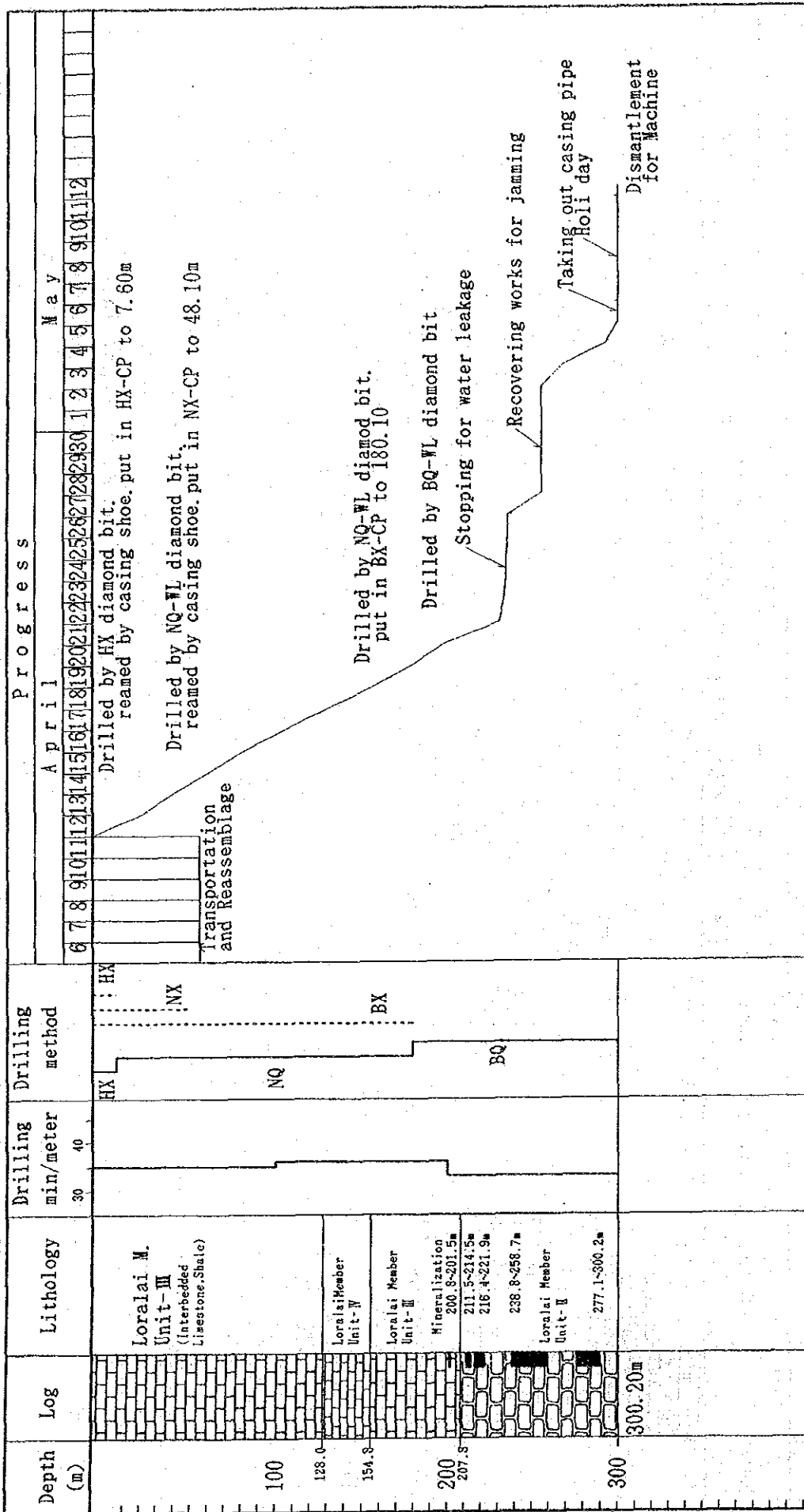
App. 7-6 Drilling Progress of MJP-12



App. 7-7 Drilling Progress of MJP-13







App. 7-8 Drilling Progress of MJP-14



App. 7-9 Drilling Progress of MJP-15

ボーリング柱状図(MJP-7~15) 凡例

<p>Ls : Limestone                  Sh : Shale                  raosm : Rhythmic alternation of (marly,)black Shale &amp; (marly,)light grey Limestone. Thicknesses of each beds are 0.1~3.0mm.                  aolm : Alternation of grey Limestone(tk:2~10mm) &amp; dark gery marly Shale(tk:1~2mm).                  wtbos : with thin beds(&amp; patches) of (marly)Shale.                  Sha : Alternation-A. Alternation by raosm.                  Lsa : Alternation-B. Alternation by aolm.</p>		
<p>aln : alternate                  arg : argillaceous                  bed : well bedded                  bre : brecciated                  bk : black                  bw : brown                  Ca : calcite                  cmp : compact                  cly : clayey                  crs : coarse                  dk : dark                  dis : disseminated                  dnt : dominate                  fos : fossiliferous                  flm : film                  fis : fissile                  fin : fine                  gr : grey                  Ga : galena                  Hm : hematite                  Hmz : hematitization                  hrd : hard                  hvy : heavy</p>	<p>lam : well lamnated                  Li : limonitization                  lgt : light                  mly : marly                  Mc : marcasite                  min : mineralization                  ntwk : network                  nod : nodule                  olc : oolitic                  peb : pebble                  Py : pyrite                  pos : porous                  rd : red                  Sp : sphalerite                  sg : strong                  sft : soft                  Si : siderite                  tk : thickness                  vn : vein                  vnt : veinlet                  whd : weathered                  wh : with                  wk : weak</p>	<p> : limestone   : shale   : Alternation-A   : Alternation-B                  Z45° : Angle between drill-                  ing direction and some                  boundary plane.                  Z45° : Angle between drill-                  ing direction and bedd-                  ing plane.                  I : Pb, Zn mineralization                  o : fossiliferous                  oo : coquina bed (cq)                  x : core crushed                  Δ : brecciated                  ▲ : nodule of Limestone                  : : tubular trails                  ~ : clay                  mineralization etc                  II : strong                  I : medium                  I : weak</p>



Drill Hole No. : MJP-7  
 Location : SURMAI-1  
 Coordinate Point : N=1,125,475 E=2,008,315  
 Depth : 150.5m  
 Drilling Machine : L-38

Elevation : 1.477 m  
 Inclination : -50°  
 Core Recovery : 97.08%  
 Term : MAR.13 '89 ~ MAR.18 '89

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/l
2.1				Non Core								
5			L s	gr, cmp.								
			S h	gr bw, cmp, mly.								
			L s	Sh	270							
			L s									
			S h	lgt, bw, cmp, sft.	265							
			L s									
			S h	lgt bw, cmp.	260							
			L s	gr, cmp.								
10			S h	gr~bw, cmp~lam.	265							
			L s	gr, cmp.	280							
			L s	gr, cmp.	270							
			S h	dk gr~bw, cmp~lam, sft.	270							
			L s		280							
15			L s	gr, cmp, wtbos.	270							
			S h	dk gr, cmp.	270							
			L s		275							
			S h									
			L s	gr, cmp, wtbos.	275							
20			S h	dk gr, cmp~lam.	280							
			L s		280-90							
			S h	dk gr, cmp~lam.	280							
			L s	gr, cmp, wtbos.	270							
			S h		280							
25			L s	gr, cmp, wtbos.	280							
			S h		275							
			L s	gr, cmp, wtbos.	280							
			S h	dk gr, lam.	280							
			L s	gr, cmp, wtbos.	270							
30			S h		270							
			L s	gr, cmp, wtbos.	280							
			S h	dk gr, lam.								
35			L s	gr, cmp, wtbos.								
			S h	dk gr, lam.	260							
40			L s	gr, cmp, wtbos.								

Loralai Member-Unit-III

Hmz Ca vn, vnt, flm  
Py dis

App. 8-1 MJP-7 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
		Loralai Member-Unit-III	Sh	gr, cmp, wtbos.									
			Sh	dk gr, cmp.	£80								
			Sh		£60								
45			Ls	gr, cmp, wtbos. Sp dis, Si vnt.	£75	DH 7-1	44.2-45.1	0.9	0.09	1.04	<0.01	2.5	
			Sh	dk~gr, lam.		DH 7-2	45.1-45.8	0.7	0.69	10.30	0.12	3.3	
			Ls	Li.		DH 7-3	45.8-46.8	1.0	0.83	18.00	<0.01	6.5	
			Sh	dk gr~gr, lam.	£70	DH 7-4	46.8-47.8	1.0	0.02	0.32	<0.01	1.0	
			Ls	Li, Ca vnt. gr, cmp, wtbos.		DH 7-5	47.8-48.3	0.5	0.20	0.81	<0.01	1.5	
50			Sh		£60	DH 7-6	48.3-49.2	0.9	0.15	0.09	<0.01	3.3	
			Ls	Li, Ga>Sp dis.		DH 7-7	49.2-50.0	0.8	3.48	1.49	<0.01	50.0	
51.4			Sh	dk gr~bk, lam.	£70	DH 7-8	50.0-51.4	1.4	0.05	0.08	0.12	1.0	
			Ls	Li, Ca vnt.	£70	DH 7-9	51.4-53.0	1.6	0.21	0.94	<0.01	3.3	
			Sh	aly, Ca+Si vnt.		DH 7-10	53.0-53.4	0.4	0.56	0.90	<0.01	6.0	
			Ls	Li, Sp dis, Ca+Si vnt.		DH 7-11	53.4-54.0	0.6	0.04	5.30	<0.01	2.8	
55			Ls	gr, cmp, wtbos.	£70	DH7-1-11	44.2-54.0	9.8	0.52	3.40	0.03	6.8	
			Sp	Ca+Sp dis, Si+Ca vnt.	£80								
			Ls	gr, cmp, wtbos.	£70	DH 7-12	57.7-58.3	0.6	0.27	0.10	<0.01	2.5	
60			Ls	gr, cmp, wtbos.	£75								
			Ls	gr, cmp, wtbos, fos	£80								
			Ls	Li, bw.	£70	DH 7-13	64.1-65.1	1.0	1.84	0.94	<0.01	29.0	
			Ls	Li, bw~rd bw. gr, cmp, wtbos.		DH 7-14	65.1-65.7	0.6	0.05	0.27	<0.01	0.8	
			Ls	Li, bw~rd bw. Zn oxide mineral?		DH 7-15	65.7-65.9	0.2	0.04	11.40	<0.01	8.0	
			Ls	Li, bw~rd bw.		DH 7-16	65.9-66.8	0.9	0.08	0.36	<0.01	2.3	
			Ls	gr, cmp, wtbos.		DH 7-17	66.8-68.0	1.2	0.57	1.64	<0.01	9.5	
			Ls	Li, bw~rd bw. Zn oxide mineral?		DH 7-18	68.0-68.5	0.5	<0.01	0.07	<0.01	<0.5	
70			Ls	gr, cmp, wtbos.		DH 7-19	68.5-68.8	0.3	0.86	0.31	<0.01	8.5	
			Ls	Li, bw~rd bw. Zn oxide mineral?		DH 7-20	68.8-70.0	1.2	0.01	0.02	<0.01	<0.5	
			Ls	gr, cmp, wtbos.	£85	DH 7-21	70.0-71.6	1.6	0.24	1.84	<0.01	2.8	
			Ls	Li, bw~rd bw. Sp+Ca dis, $\phi$ 1-2mm. Sp=Oxide mineral.		DH 7-22	71.6-72.5	0.9	<0.01	0.01	<0.01	<0.5	
75			Ls	gr, cmp, wtbos.		DH 7-23	72.5-74.9	2.4	0.42	2.60	<0.01	3.8	
			Ls	gr, cmp, wtbos.		DH 7-24	74.9-76.6	1.7	<0.01	0.03	<0.01	<0.5	
			Ls	Li, bw~rd bw. Sp+Ca dis, $\phi$ 1-10mm. Sp=Oxide mineral.		DH 7-25	76.6-79.7	3.1	2.50	7.65	<0.01	53.0	
80			Ls	gr, cmp, wtbos.		DH7-13~25	64.1-79.7	15.6	0.77	2.49	<0.01	14.4	
			Sh	dk gr, lam.	£70								
			Ls	gr, cmp, wtbos.	£75								
			Ls	gr, cmp, wtbos.	£80								
90			Sh	bk, lam.	£70								

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb. %	Zn %	Ba %	Ag g/t	
			Sh										
			L s	gr, cmp, wtbos.	∠ 80								
			Sh										
95			L s	gr, cmp, wtbos, fos.	∠ 80 ∠ 90								
			Sh	bk. lam.	∠ 70								
			L s	gr, cmp, wtbos, fos.	∠ 80								
100			Sh	bk, lam.	∠ 75								
			L s	gr, cmp, wtbos.									
			Sh	dk gr, cmp.	∠ 70								
			L s		∠ 60								
			Sh										
105													
			L s	gr, cmp, wtbos, fos.									
110			Sh	dk gr, cmp.	∠ 75								
			L s	gr, cmp, wtbos, fos.									
115			Sh		∠ 75								
			L s	gr, cmp, wtbos, fos.	∠ 70								
120			Sh	dk gr, lam	∠ 70								
			L s	gr, cmp, wtbos, fos.									
125			Sh		∠ 75								
			L s	dk gr, lam	∠ 60								
			Sh										
			L s	gr, cmp, wtbos, fos.	∠ 70								
130			Sh	bk, lam.	∠ 80								
			L s	gr, cmp, wtbos, fos.									
			Sh	gr, cmp, wly.									
135			L s	gr, cmp, wtbos, fos.	∠ 75								
			Sh		∠ 75								
			L s		∠ 75								
			Sh	dk gr, lam.	∠ 70								
140			L s	gr, cmp, fos.									

Loralai Member - Unit - II

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Yd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
		Lorelai Member-Unit-II	L s										
			S h	dk gr-bk, cmp, wly.									
			L s	gr, cmp, wtbos.									
			S h	bk, cmp~lam.	L 80								
145			L s	gr, cmp, wtbos.									
			S h										
			L s										
			S h										
			L s	dk gr, cmp	L 80								
150			L s	gr, cmp, wtbos.	L 70								
150.5													
155													
160													
165													
170													
175													
180													
185													
190													

Drill Hole No. : WJP-8  
 Location : SURNAI-III  
 Coordinate Point : N=1,123,002 E=2,007,858  
 Depth : 401.0m  
 Drilling Machine : L-38

Elevation : 1,542 m  
 Inclination : -70°  
 Core Recovery : 96.96%  
 Term : FEB. 18 '89 ~ MAR. 7 '89

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
5				Non core (Boulder, gravel-sand)									
9.1			Ls	gr, mly	Z70								
			Ls	Sh	Z80								
			Ls	Sh	Z70								
			Ls	Sh	Z70								
			Ls	Sh	Z70								
15			Ls	Sh	Z70								
			Ls	Sh	Z80								
			Ls	Sh	Z70								
			Ls	Sh	Z70								
20			Ls	Sh	Z50								
			Ls	Sh	Z45/Z50								
			Ls	Sh	Z60								
			Ls	Sh	Z60								
			Ls	Sh	Z50/Z60								
			Ls	Sh	Z60								
			Ls	Sh	Z60								
30			Ls	Sh	Z50								
			Ls	Sh	Z60								
			Ls	Sh	Z60								
			Ls	Sh	Z50								
			Ls	Sh	Z60								
			Ls	Sh	Z70								
35			Ls	Sh	Z70								
			Ls	Sh	Z70-80								
			Ls	Sh	Z70								
			Ls	Sh	Z70								
			Ls	Sh	Z70								
40			Ls	Sh	Z70								

App. 8-2 MJP-8 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results						
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t			
45	[Lithology Log]	Anjira Member-Unit-II	Ls	Sh											
			Ls	Sh	gr, lam~cmp.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Sh	Sh	gr, sandy, lam.										
			Ls	Sh	bk-dk gr, lam.										
			Ls	Sh											
			Ls	Sh											
50	[Lithology Log]	Anjira Member-Unit-II	Ls	Sh	gr, sandy, lam.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
55	[Lithology Log]	Anjira Member-Unit-II	Ls	Sh	gr, sandy, lam.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
60	[Lithology Log]	Anjira Member-Unit-I	Sh	Sh	dk gr~gr, sandy.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh	gr, sandy, cmp.										
			Ls	Sh											
			Ls	Sh	gr, cmp.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh	dk gr~bk, lam~cmp.										
			Ls	Sh											
65	[Lithology Log]	Anjira Member-Unit-I	Sh	Sh	dk gr, sandy.										
			Ls	Sh	gr, cmp, wtbos.										
			Ls	Sh	dk gr, cmp.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
70	[Lithology Log]	Anjira Member-Unit-I	Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
75	[Lithology Log]	Anjira Member-Unit-I	Sh	Sh	dk gr~bk, cmp-lam.										
			Ls	Sh											
			Ls	Sh	gr, wtbos.										
			Ls	Sh	dk gr~bk, cmp-lam.										
			Ls	Sh											
			Ls	Sh	gr, wtbos.										
			Ls	Sh	gr, sandy, lam.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
80	[Lithology Log]	Anjira Member-Unit-I	Sh	Sh	gr~dk gr, sandy, lam.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
85	[Lithology Log]	Anjira Member-Unit-I	Sh	Sh	gr, lam, wtbos.										
			Ls	Sh	dk gr, sandy, cmp.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
90	[Lithology Log]	Anjira Member-Unit-I	Sh	Sh	dk gr, sandy, cmp.										
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											
			Ls	Sh											

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/l	
			Sh	dk gr, sandy, emp. Py nod wh Sp dis. (90.6-90.5m)	260								
			Ls		270	Sp dis							
			Ls	Sh	270								
			Ls	Sh									
95			Ls	gr, cmp, wtbos.									
			Ls	Sh dk gr, emp.	250								
			Ls	Sh	250								
			Ls	gr, wtbos.									
100			Ls	Sh dk gr, emp.	245								
			Ls	gr, wtbos.									
			Ls	Sh	250								
			Ls	Sh	245								
105			Ls	gr, cmp, wtbos.									
			Ls	Ca nod (108.1m, 2x10mm)	245								
			Ls	Sh	245								
110			Ls	gr, cmp, wtbos.									
			Ls	Sh	290								
115			Ls	gr, wtbos.	250								
			Ls	Sh bk, lam.									
120			Ls	gr, wtbos.									
			Ls	Sh	275								
			Ls	Sh dk gr, emp.	250								
125			Ls	Sh									
			Ls	Sh	260								
			Ls	Sh	250								
130			Ls	gr, cmp, wtbos.									
			Ls	Sh									
			Ls	Sh	260								
135			Ls	gr, cmp, wtbos.	260								
			Ls	Sh									
			Ls	Sh dk gr, emp.									
138.5			Ls	gr, cmp, fos.	250								
140			Ls										
			Ls										

Anjira Member-Unit - I

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
			Sh	dk gr. cmp.	250							
			Sh <sup>ls</sup>		250							
145			Ls	gr, wtbos.	245							
			Sh	gr-dk gr. lam, fos.	250							
			Sh	dk gr. sandy, cmp.	260							
150			Sh <sup>ls</sup>		260							
			Ls	gr, cmp, fos.	280							
155			Ls	gr, cmp, wtbos.	270							
			Sh		250							
			Ls		260							
160			Sh	dk gr-bk, cmp-lam.	260							
			Ls		260							
			Ls	gr, cmp, fos.	245							
			Sh		260							
165			Ls	gr, cmp, wtbos, fos.	275							
			Sh	dk gr, cmp.	270							
			Ls		245							
170			Ls	gr, cmp, wtbos.	270							
			Sh									
175			Ls	gr, cmp, wtbos.								
			Sb	bk. lam.	270							
180			Ls	gr, cmp, wtbos.								
			Sh	dk gr, cmp.	260							
185			Ls	gr, cmp, wtbos.	240							
			Sh	dk gr, cmp, partly sandy.	270							
190					260							

Loralai Member-Unit-IV

Ca, Vn, Vnt, flm  
Py dis



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Yd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			Sh										
			Ls	gr, cmp, wtbos.	150								
			Ls		145								
195			Sh	dk gr, cmp.	160								
			Ls		150								
			Sh	bk~dk gr, cmp.	160								
			Ls		170								
200			Sh		160								
			Ls	gr, cmp, wtbos.	150								
			Sh	dk gr, cmp.	180								
			Sh		170								
205			Ls	gr, cmp, wtbos, fos.	175								
			Sh	dk gr, cmp.	180								
			Sh		170								
			Ls	gr, cmp, wtbos.	160								
			Sh	dk gr, cmp.	160								
			Ls		160								
			Sh	bk~dk gr, cmp.	160								
215			Ls		180								
			Ls		175								
			Sh		175								
220			Ls	gr, cmp, wtbos.	170								
			Sh	gr, cmp.	170								
225			Ls		170								
			Sh		170								
			Ls	gr, cmp, wtbos.	150								
230			Sh		180								
			Ls		185								
			Sh	dk gr, cmp~lam.	160								
			Ls		180								
235			Ls		170								
			Ls	gr, cmp, wtbos.	180								
			Ls		170								
240			Sh	bk~dk gr, lam~cmp.	170								
			Sh		160								

Loralai Member--Unit-IV

Ca vn, vnt, flm

Py dis

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			Sh										
			Ls	gr, cmp, wtbos.									
245			Ls										
			Sh										
			Sh	bk-dk gr, lam.									
			Ls	gr, cmp.									
			Ls										
250			Ls										
			Sh										
			Ls										
			Sh										
			Ls										
			Sh										
			Ls										
255			Sh	bk-dk gr, lam-cmp.									
			Ls	gr, cmp.									
			Sh	bk, lam.									
260			Ls										
			Sh										
			Ls	gr, cmp, wtbos.									
			Sh	bk-dk gr, lam.									
265			Ls										
			Sh										
			Ls	gr, cmp, wtbos.									
			Ls										
			Sh	bk-dk gr, lam-cmp.									
270			Ls	gr, cmp, fos.									
			Sh	dk gr, cmp.									
			Ls										
275			Sh										
			Ls										
			Sh										
			Ls										
			Sh										
			Ls	gr, cmp, wtbos, fos.									
280			Sh	bk, lam.									
			Ls										
			Sh										
285			Sh										
			Ls										
			Sh										
			Ls										
			Sh										
			Ls	gr, cmp, wybos.									
			Sh	bk, lam.									
290			Ls										
			Sh										
			Ls										

Loralai Member-Unit-IV

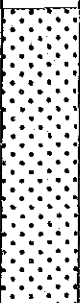
Ca vn, vnt, flm  
Py dis

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
295		Loralai Member-Unit-IV	Sh	dk gr-bk, cmp-lam.	Z80	Ca vn, vnt, fin						
			Ls	gr, cmp, wtbos.	Z70							
			Sh		Z50							
			Ls		Z70							
			Sh		Z50							
			Ls		Z80							
			Sh	dk gr, cmp-lam.	Z70							
			Ls		Z80							
			Sh	dk gr, cmp, fos.	Z30							
			Ls		Z50							
			Sh		Z60							
			Ls	gr, cmp, wtbos.	Z60							
			Sh		Z50							
			Ls	gr, cmp, wtbos.	Z70							
			Sh	bk, lam.	Z45							
			Ls		Z50							
			Sh	dk gr, cmp.	Z60							
			Ls	gr, cmp, wtbos.	Z65							
			Sh		Z70							
			Ls		Z70							
Sh	dk gr-bk, cmp-lam.	Z60										
Ls	gr, cmp, wtbos.	Z70										
Sh	bk-dk gr, lam.	Z60										
Ls		Z70										
Sh		Z45										
Ls		Z75										
Sh		Z70										
Ls		Z80										
Sh		Z60										
Ls	gr, cmp, wtbos.	Z60										
Sh	bk-dk gr, lam-cmp.	Z70										
Ls		Z60										
Sh		Z60										
Ls	gr, cmp.	Z60										
Sh	dk-bk gr, lam-cmp.	Z60										
Ls		Z60										
Sh		Z60										
Ls	gr, cmp, wtbos.	Z70										
Sh	Ca dis, Ca>Si vnt.	Z70										
Ls	bk, lam, Ca>Si vnt.	Z80										
Sh	gr, cmp, Si vnt.	Z70										
Ls	bk, lam, Ca>Si vnt, Sp dis.	Z70										
Sh	gr, wtbos, Ca dis.	Z60										
Ls	bk, lam, Ca>Sp dis.	Z60										
Sh		Z60										
Ls	gr, cmp, wtbos.	Z60										
Sh	Sp>Ca dis, Ca>Si vnt.	Z60										
Ls	dk gr, cmp, sandy.	Z70										
Sh	Ca dis, Si>Ca vnt.	Z70										
Ls	aolm.	Z60										
340				Z80								
					SP dis							
					Ca dis							
					Si vn, vnt, dis							
					Py dis							
					H							
						DH8-1	331.2-331.4	0.2	0.23	0.06	0.14	2.5
						DH8-2	331.4-332.0	0.6	1.00	1.77	0.02	11.0
						DH8-3	332.0-332.7	0.7	0.02	<0.01	<0.01	<0.5
						DH8-4	332.7-333.6	0.9	0.11	0.02	0.01	1.5
						DH8-5	333.0-334.1	0.5	0.09	0.02	<0.01	1.0
						DH8-6	334.1-335.1	1.0	0.08	0.02	0.04	1.5
						DH8-7	335.1-336.5	1.4	5.79	7.35	<0.01	58.0
						DH8-8	336.5-337.4	0.9	1.00	1.32	-0.01	9.5
						DH8-1-8	331.2-337.4	6.2	1.60	2.03	0.01	16.2

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
			L s a	aola.	£70							
			S h	dk gr, cmp.	£70 £45							
345			L s a	aolm.	£70 £70							
			S h a	raosm, gr~dk gr.	£60 £50 £60 £55							
350			S h	dk gr, sandy.	£60 £70							
355			S h a	raosm, dk gr~gr.	£45							
360			S h	dk gr, sandy, cmp.	£50 £70 £30 £5							
365			S h a	raosm, dk gr~gr.	£0 £5 £10 £15							
370			L s	gr, lam.	£20 £60 £30							
			S h	gr~dk gr, sandy, cmp.	£20 £20 £5 £5							
375			S h a	raosm, bk~gr.	£0 £10 £70							
380			S h	gr~dk gr, sandy, cmp.								
385			S h	gr~dk gr, sandy, cmp.								
390			S h	gr~dk gr, sandy, cmp.								

Loralai Member--Unit-II

Ca vn, vnt, flm

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
395		Loralai Member-Unit-II	Sh	gr~dk gr. sandy, esp.	Ca. vln. vnt. flm. ...							
400			Sha	raosm, bk~gr.								
401.0												

Drill Hole No. : MJP-9  
 Location : SURMAI-III  
 Coordinate Point : N=1,123,002 E=2,007,858  
 Depth : 301.0m  
 Drilling Machine : I-38

Elevation : 1,542 m  
 Inclination : -40°  
 Core Recovery : 95.12%  
 Term : JAN. 28 '89 ~ FEB. 15 '89

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
5				Non core (Boulder, gravel-sand)								
11.5			Ls	gr, cmp-lam, wtbos.	Z65							
			Sh		Z65Z65							
			Ls		Z60							
15			Sh	lgt bu, lam.	Z60							
			Ls	gr, lam-cmp, mly.	Z60							
			Sh	gr, cmp-lam, sandy.	Z80							
			Ls	gr, cmp-lam, wtbos.	Z70							
20			Sh	gr, cmp-lam, sandy.	Z70							
			Ls									
			Sh									
			Ls	gr, cmp, sandy.	Z80							
			Sh									
25			Ls		Z80							
			Sh		Z80							
			Ls	gr, cmp-lam, wtbos.	Z80							
			Sh		Z80							
			Ls		Z80							
			Sh		Z80							
30			Ls	Sh dk gr, lam.	Z75							
			Sh		Z75							
			Ls	gr, cmp-lam, wtbos.	Z70							
35			Sh		Z75							
			Ls	gr, cmp-lam, wtbos.	Z70							
			Sh		Z70							
			Ls		Z80							
			Sh		Z80							
40			Ls	dk gr, cmp-lam.	Z75							

Anjira Member-Unit-II

Ca vn, vnt, flm  
Py dis

App. 8-3 MJP-9 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results							
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t				
45	[Lithology symbols]	Anjira Member-Unit-II	Sh	Ls												
			Sh	Ls												
			Sh	Ls	gr-dk gr. comp.	Z70										
			Sh	Ls		Z80										
			Ls	Ls	gr. law comp. wt bos.	Z60										
			Sh	Ls		Z55										
			Ls	Ls		Z55										
			Ls	Sh		Z50										
			Ls	Sh		Z40										
			Ls	Ls	gr-bw gr. mly.	Z40										
			Ls	Sh		Z10										
			Ls	Ls	gr-lgt gr. law comp.	Z10										
			Ls	Sh	gr-dk gr. law sandy.	Z70										
			55	[Lithology symbols]	Anjira Member-Unit-I	Ls	Sh									
						Ls	Ls		Z75							
Sh	Ls					Z75										
Sh	Ls					Z75										
Sh	Ls	gr. comp. mly.				Z75										
Sh	Ls	dk gr-bk. comp-law.				Z85										
Sh	Ls					Z85										
Sh	Ls					Z90										
Sh	Ls					Z65										
Sh	Ls					Z75										
Sh	Ls					Z85										
Sh	Ls					Z80										
Sh	Ls	dk gr-bk. law.				Z80										
Sh	Ls					Z80										
70	[Lithology symbols]	Anjira Member-Unit-I				Sh	Ls	dk gr-gr. sandy.	Z80							
			Sh	Ls		Z80										
			Sh	Ls	brn. white rd. Ca nod (72.5m, 6 lca)	Z80										
			Sh	Ls		Z85										
			Ls	Ls	gr. comp. wt bos.	Z80										
			Ls	Sh		Z90										
			Ls	Sh	gr. comp. wt bos.	Z80										
			Ls	Sh		Z80										
			Ls	Sh	bk. law.	Z70										
			Ls	Sh		Z80										
			Ls	Sh	gr. comp. wt bos.	Z80										
			Ls	Sh		Z76										
			Ls	Sh		Z80										

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
		Anjira Member-Unit-I											
			L s	gr, cmp, wtbos.	290								
95			Sh	dk gr, cmp	280								
			L s		280								
			Sh		280								
100			L s	gr, cmp, wtbos.	280								
			Sh	bk, fos.	290								
			L s		290								
			Sh		270								
			L s	gr, cmp, wtbos.	290								
105			Sh	dk gr, cmp.	290								
			L s	gr-lgt gr, cmp, wtbos.	290								
			Sh	dk gr, cmp.	285								
110			L s		290								
			Sh	ls	290								
112.9			L s										
115			Sh	gr, cmp, sandy.	275								
			L s	gr, cmp, fos.									
120			Sh	dk gr, cmp.									
			L s	gr, cmp, wtbos.	260								
			Sh		270								
			L s		280								
125			Sh		280								
			L s	gr, cmp, wtbos.	290								
			Sh		280								
			L s		290								
			Sh	dk gr, cmp.	280								
130			L s	gr, cmp, fos.	270								
			Sh	gr, cmp, wtbos.	280								
			L s		275								
			Sh										
135			L s		280								
			Sh	dk gr, cmp.	280/275								
			L s										
			Sh	bk, cmp.	245								
140			L s		280								
			Loralai Member-Unit-IV										



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			L s										
145			L s	gr, cmp, wtbos.									
150			S h	dk gr, cmp.									
155			L s	gr, cmp, wtbos.									
			S h	dk gr, cmp, fos.									
160			L s	gr, wtbos.									
			S h	dk gr-bk, cmp-lam.									
			L s	gr, wtbos, fos.									
165			S h	dk gr, cmp-lam.									
			L s	gr, cmp, wtbos.									
170			S h										
			L s	gr, cmp, wtbos.									
175			S h	dk gr, cmp-lam.									
			L s	gr, cmp, wtbos.									
180			S h	bk-dk gr, lam-cmp.									
185			L s	gr, cmp, wtbos.									
190			S h	bk-dk gr, lam-cmp.									

Loralai Member-Unit-IV

Py dis


Ca vnt, flm

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wt (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			Sh										
			Ls		285								
			Sh										
			Ls										
			Sh	bk-dk gr, lam~comp.	280								
195			Ls	gr, comp, wtbos.	280								
			Sh	bk, comp~lam, fos.	280								
200			Ls		280								
			Sh		290								
			Sh		290								
			Ls		280								
			Sh		280								
205			Ls	gr, wtbos.	280								
			Sh		260								
			Ls										
			Sh										
			Sh	bk, lam~comp.									
210			Ls	gr, comp.									
			Sh	bk-dk gr, lam~comp.	285								
			Ls	gr, wtbos, fos.	285								
			Ls		285								
			Sh	dk gr-bk, comp-lam.									
215			Ls										
			Sh										
			Ls		270								
			Sh										
			Ls	gr, comp, wtbos.	285								
			Sh	bk-dk gr, lam~comp.									
220			Ls	gr, comp.	285								
			Sh	bk, lam~comp.	280								
			Ls		270								
225			Sh		280								
			Ls	gr, comp.									
			Sh	bk-dk gr, lam~comp.									
			Ls	gr, comp, wtbos.									
230			Sh	bk-dk gr, lam~comp.									
			Ls										
			Sh		270								
			Ls		260								
235			Ls	gr, wtbos.	230								
			Sh	dk gr, comp~lam.	270								
240			Ls	gr, comp.									

Loralai Member-Unit-IV

Ca vn, vnt, flm, Py dis

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results									
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t						
		Loralai Member-Unit-IV																
245			Sh	bk, lam.	Z60													
			Sh		L60													
			Ls		L70													
250			Ls	gr, cmp, wtbos.	L60													
			Sh	bk, cmp~lam.	Z70													
			Ls		L70													
255			Sh	bk, lam~cmp.	Z70													
			Ls		L70													
			Sh		L70													
			Ls	gr, cmp, wtbos.	L50													
260			Sh		L80Z70													
			Ls		L70													
			Sh		L45													
			Ls	gr, wtbos.	L50													
			Sh	bk, lam.														
265			Ls															
			Sh	bk, cmp~lam.														
265.8			Ls	gr, Sp>Ca dis.		DH9-1	265.8-266.4	0.6	2.80	7.67	0.19	24.5						
			Sh	bk, lam.		DH9-2	266.4-267.2	0.8	0.26	4.42	0.06	4.0						
			Ls	wtbos, Sp>Ca dis.	L60	DH9-3	267.2-267.9	0.7	0.83	1.09	0.04	7.5						
			Sh	bk, lam.	L60	DH9-4	267.9-269.3	1.4	<0.01	<0.01	<0.01	0.8						
270			Ls	gr, cmp, wtbos. Ca vnt, Si dis.	L45	DH9-5	269.3-270.4	1.1	0.02	<0.01	<0.01	<0.5						
			Sh	bk, lam, Si dis, Ca vnt.	L50	DH9-6	270.4-272.6	2.2	0.09	0.05	<0.01	1.3						
			Sha	raosu.	L80													
275			Ls	Sha raosu.														
			Sh	dk gr-bk.		DH9-7	272.6-275.5	2.9	0.01	0.01	<0.01	<0.5						
			Ls	mly, Sp dis.		DH9-8	275.5-276.1	0.6	0.17	5.40	<0.01	3.0						
			Sh	sandy, Si dis.	L80	DH9-9	276.1-276.5	0.4	0.39	0.01	<0.01	3.0						
			Ls	wtbos, Ca, Si dis.	L45	DH9-10	276.5-277.2	0.7	0.15	<0.01	<0.01	1.5						
			Sh	sandy, Ca, Si dis.	L70	DH9-11	277.2-277.5	0.3	0.95	0.01	<0.01	6.0						
			Ls	gr, wtbos, Sp>Ca dis. Si dis, Ca vnt.	L70	DH9-12	277.5-278.7	1.2	0.42	0.34	<0.01	4.0						
280			Sh	bk, lam.	L20	DH9-13	278.7-279.8	1.1	0.14	<0.01	<0.01	2.0						
			Ls	Breccia, cmp, hrd. φ 1-15mm : Sh, Ca. matrix : Ls. Sp>Ca dis, Si dis.		DH9-14	279.8-282.5	2.7	1.42	1.59	<0.01	8.5						
			Ls	gr, wtbos, Si dis.		DH9-15	282.5-283.2	0.7	0.04	0.20	<0.01	1.3						
285			Ls	gr, mly, wtbos.	L60	DH9-1~15	265.8-283.2	17.4	0.45	0.98	0.03	3.7						
			Sh	bk, lam.	L70													
290			Ls	gr, mly, wtbos.														

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
		Loralai Member-Unit-II	L s	gr, mly, wtbos.	770	Ca vn, vnt, flm Py dis							
			L sa	aoim.	785								
295			L s	gr, wtbos.	780								
			L sa	aoim.	760/760								
			Sh	dk gr, cmp-lam	760								
			L s	gr, cmp, wtbos.	770/760								
300			L sa	aoim.	760								
			L s										
			Sh										
301.0			L s	gr, wtbos.									
305													
310													
315													
320													
325													
330													
335													
340													

Drill Hole No. : MJP-10  
 Location : SURMAI-III  
 Coordinate Point : N=1,123,002 E=2,007,858  
 Depth : 500.3m  
 Drilling Machine : L-38

Elevation : 1,542 m  
 Inclination : -90°  
 Core Recovery : 96.66%  
 Term : JUNE 27 '89 ~ JULY 19 '89

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
5				Non core (Boulder, gravel-sand)								
7.8												
10			L s	gr, cmp, wtbos.								
			Sh	gr bw, cap.								
15			L s	gr, cmp, wtbos.								
			Sh	dk gr, mly.								
20			L s									
			Sh	dk gr, cap-lab.	445							
			L s									
			Sh		445							
25			L s	gr, wtbos.								
			Sh		445							
			L s									
			Sh	dk gr, cap.	450/45							
30			L s	gr, cmp, wtbos.	445							
			Sh		440							
			L s									
			Sh	dk gr, cmp~mly.	450							
35			L s	gr, wtbos.								
			Sh		440							
			L s		445							
			L s	gr, cmp, wtbos.	445							
			Sh		445							
			L s		450							
			Sh		450							
40			L s	dk gr, cap.								

Anjira Member-Unit-II

Hmz

Ca vn, vnt, flm

Py dis

App. 8-4 MJP-10 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
45		Anjira Member-Unit-II	Ls	gr, cmp, wtbos.	150	Hmz Py dis						
			Sh	dk gr. lam.	155							
			Ls		145							
			Sh		150							
			Ls		145							
			Sh		150							
			Ls	gr, cmp, wtbos.	155							
			Sh		150							
			Ls	dk gr. lam-cmp.	140							
			Sh		145							
			Ls	gr, cmp, wtbos.	140							
			55		Anjira Member-Unit-II							
Ls		140										
Sh		145										
Ls	gr, cmp, wtbos.	150										
Sh		145										
Ls	bk, cmp.	145										
Sh		145										
Ls	gr, cmp, wtbos.	145										
Sh		145										
Ls		145										
Sh	dk gr-bk, cmp-lam.	145										
65		Anjira Member-Unit-I				Ls		145	Ca vn, vnt, flm			
			Sh		150							
			Ls		150							
			Sh	bk, cmp.	150							
			Ls		150							
			Sh		150							
			Ls	gr, lam, sandy.	150							
			Sh		145							
			Ls	gr, lam, sandy.	150							
			Sh		145							
			Ls	bk~dk gr, lam.	145							
			75		Anjira Member-Unit-I	Ls	gr, lam, sandy.	145				
Sh		145										
Ls	gr, lam, sandy.	145										
Sh	dk gr, lam.	145										
Ls	gr, lam, sandy.	145										
Sh		145										
Ls	dk gr, lam.	145										
Sh		145										
Ls	gr, lam, sandy.	145										
Sh		145										
Ls	gr, lam, sandy.	145										
Sh	gr, lam, sandy.	145										
85		Anjira Member-Unit-I	Ls	gr, lam, sandy.	145	Ca vn, vnt, flm						
			Sh	bk, cmp.	145							
			Ls		155							
			Sh		150							
			Ls	gr, lam, sandy.	150							
			Sh		150							
			Ls	gr, cmp, wtbos.	150							
			Sh	dk gr, cmp~lam.	150							
			Ls		145							
			Sh		145							
			Ls		145							
			Sh	dk gr, cmp, wlv.	145							
90		Anjira Member-Unit-I	Sh	dk gr, cmp~lam.	145	Ca vn, vnt, flm						
			Ls		145							

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
			Sh	dk gr, cmp, mly.								
			Sh	bk~dk gr, cmp.	45							
95			Sh	dk gr, cmp, mly.	50							
			Sh	bk-dk gr, cmp-lan.	45							
			Sh		50							
100			Ls	gr, cmp, wtbos.	45							
			Sh		50							
			Ls	gr, cmp, wtbos.	50							
			Sh	bk, cmp.	50							
105												
			Ls	gr, cmp, wtbos.	60							
			Sh		45							
110			Ls		60							
			Sh									
			Ls									
			Sh	dk gr, cmp, mly.								
115			Ls	gr, cmp, wtbos.								
			Sh									
			Ls	gr, cmp.								
			Sh									
			Ls									
			Sh	dk gr, cmp, mly.	40							
			Sh									
120			Ls	gr, cmp.	50							
			Sh									
			Ls	gr, cmp.								
			Sh		45							
			Ls	gr, cmp, wtbos.								
			Sh									
125			Ls									
			Sh	bk, lan-cmp.	40							
			Ls	gr, cmp, wtbos.								
			Sh		45							
130												
			Ls	gr, cmp, wtbos.								
					40							
135			Sh		35							
			Ls									
			Sh	bk, cmp.								
			Ls	gr, cmp.	40							
140												

Anjira Member-Unit-I

Ca vn, vnt, flm

Py dis

Hm2

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			L s										
			Sh	lst br, comp.	H								
145					Hmz								
			L s	gr, comp.									
150													
			Sh	bk, comp.									
155			L s	gr, comp, wtbos.									
			Sh	bk, comp.									
160			L s	gr, comp.									
			Sh	bk, comp.									
165			L s	dk gr, lae.									
			L s	gr, comp, wtbos.									
			Sh	bk, comp.									
			L s										
			Sh										
			Sh	bk, comp.									
170			L s	gr, comp, wtbos.									
			Sh	bk, comp.									
			L s	gr, comp, wtbos.									
175			Sh	bk, comp.									
			L s	gr, comp.									
			Sh										
			L s	gr, comp, wtbos, fos.									
180			Sh	bk, lae-comp.									
			L s	gr, comp, wtbos, fos.									
			L s										
			Sh	dk gr, comp.									
185			L s	gr, comp, wtbos.									
			Sh	bk, comp.									
190			L s										

Anjira Member - Unit - I



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
193.2		Anjira #. Unit-I	L s	gr, cmp, wtbos.	Z60							
	Sh											
195			L s									
			Sh									
200			Sh	dk gr, cmp.								
			L s	gr, cmp.								
205			Sh	dk gr~bk, cmp, fos.	Z50							
					Z60							
					Z55							
210			L s	gr, cmp, olc, fos.	Z50							
			Sh		Z50							
			L s		Z45							
			Sh									
215		Loralai Member-Unit-IV	L s	gr, cmp.								
			Sh	bk, cmp.		Z50						
220			L s	gr, cmp, wtbos, fos.								
			Sh			Z10						
			Sh	bk, cmp.		Z10						
225			L s	gr, cmp, fos.		Z40						
			Sh			Z40						
			L s	gr, cmp, wtbos.		Z50						
			Sh	bk, cmp.		Z45						
230			L s	gr, cmp, wtbos, fos.								
					Z15							
235		Sh	bk, cmp.		Z10							
					Z10							
					Z20							
			L s	gr, cmp, fos, olc.	Z30/45							
			Sh									
240			L s									

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
245	[Lithology symbols]		L s	gr, cmp, wtbos.	Z45							
			Sh	dk gr, cmp.	Z50							
250	[Lithology symbols]		L s	gr, cmp, wtbos.	Z40							
			Sh	bk~dk gr, cmp.	Z45							
255	[Lithology symbols]		L s	gr, cmp, wtbos.								
260	[Lithology symbols]				Z90							
			Sh	bk, cmp.	Z70							
265	[Lithology symbols]		L s	gr, cmp, wtbos.	Z20							
					Z30							
270	[Lithology symbols]				Z60							
					Z30							
275	[Lithology symbols]		Sh	dk gr, cmp.	Z30							
					Z45							
280	[Lithology symbols]		L s	gr, cmp, wtbos.	Z40							
					Z45							
285	[Lithology symbols]		Sh	dk gr, cmp.	Z50							
					Z40							
290	[Lithology symbols]		L s	gr, cmp, wtbos.	Z40							
			Sh	bk~dk gr, law~cmp.	Z70							
			L s	gr, fos.	Z40							
			Sh	dk gr~bk, cmp.	Z45							
			Sh	dk gr~bk, cmp.	Z60							
			La		Z60							

Loralai Member-Unit-IV

Ca vn, vnt, flm

Py dis

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Vd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			L s										
			S h	dk gr~bk, cmp.	245								
295			L s	gr, cmp, wtbos.	240								
			S h	bk, cmp.	250								
300			L s	gr, cmp, fos.	240								
			S h		245								
			L s		245								
			S h	bk, cmp.	250								
305			L s	gr, cmp.	260								
			S h	bk, cmp.	245								
					250								
310			L s	gr, cmp, wtbos.	255								
			S h	bk, lam.	260								
			L s	gr, cmp.									
315			S h										
			L s	gr, cmp, wtbos.	250								
			S h	bk, lam.	245								
			L s	gr, cmp.	245								
320			S h										
			L s		240								
			S h	bk~dk gr, lam~cap.	245								
					245/250								
325			L s	gr, cmp, wtbos.	240								
			S h	dk gr, cmp, wly.	240								
			L s		240								
			S h	dk gr, cmp.	260								
			L s	gr, cmp, fos.	240								
330			S h		245								
			L s		250								
					245								
			S h	bk~dk gr, lam~cap.	260								
					250								
335			L s	gr, cmp.	225								
			S h	bk~dk gr, lam~cap.	245								
			L s	gr, cmp.									
340			S h	bk~dk gr, cmp.	240								

Loralai Member-Unit-IV

Ca vn, vnt, flm  
Py dis

Depth (m)	Geolog. Log	Lithology		Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock					Remarks	Pb %	Zn %	Ba %
345	[Hatched]	L s	S h	gr, cmp, wtbos.	Z50	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos.	Z60						
350	[Hatched]	L s	S h	dk gr-bk, cmp-lam.	Z50	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z60						
355	[Hatched]	L s	S h	dk gr-bk, cmp-lam.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp.	Z40						
360	[Hatched]	L s	S h	gr, cmp, wtbos.	Z50	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos.	Z45						
365	[Hatched]	L s	S h	dk gr, cmp, fos.	Z35	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	dk gr, cmp, fos.	Z30						
370	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp.	Z40						
375	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp.	Z50						
380	[Hatched]	L s	S h	dk gr, cmp, fos.	Z60	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
385	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos.	Z45						
390	[Hatched]	L s	S h	dk gr, cmp, fos.	Z50	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
395	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
400	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
405	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
410	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
415	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
420	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
425	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
430	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
435	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
440	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
445	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
450	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
455	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
460	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
465	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
470	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
475	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
480	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
485	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
490	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
495	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						
500	[Hatched]	L s	S h	dk gr, cmp, fos.	Z45	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]	[Dashed]
			L s	gr, cmp, wtbos, fos.	Z45						

Loralai Member-Unit-IV

Ca vn, vnt, flm

py dis

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
			Sh	bk~dk gr, cmp.								
			Ls	gr, cmp, wtbos.								
395			Sh	dk gr, cmp.								
			Ls	gr, cmp, wtbos.								
			Sh	dk gr, cmp.								
400			Ls	gr, cmp, wtbos.								
			Sh	bk, lam.								
			Sh	Ls								
405			Ls	gr, cmp, wtbos.								
			Sh	Ls								
			Ls	gr, cmp, wtbos.								
			Sh	dk gr~bk, cmp.								
410			Ls	gr, cmp, wtbos.								
			Sh	bk~dk gr, lam~cmp.								
			Ls									
			Sh									
415			Ls	gr, wtbos.								
			Sh	dk gr, cmp.								
			Ls									
			Sh									
420			Ls	gr, cmp, fos.								
			Sh	bk, lam, fos.								
			Ls									
425			Sh	dk gr, lam~cmp.								
			Ls									
			Sh									
430			Ls	gr, cmp, wtbos.								
			Sh									
			Ls									
			Sh	bk, cmp.								
435			Ls									
			Sh									
			Ls	gr, cmp, wtbos.								
			Sh	dk gr, cmp.								
440			Ls									

Loralai Member-Unit-IV

Ca vn, vnt, flm

Py dis

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
445	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr, cmp.								
			Ls	gr, cmp, wtbos.	250 260							
450	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr, cmp.	250							
			Ls	gr, cmp, wtbos.	250 280							
455	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr-bk, cmp, fos.	280							
			Ls	gr, cmp, wtbos.	260							
460	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr-bk, cmp-lam.	250							
			Ls	gr, cmp, wtbos, fos.	270 240							
465	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr, cmp.	260 240							
			Ls	gr, wtbos.	240							
470	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr-bk, cmp.	240							
			Ls	gr, cmp, wtbos.	250 240							
475	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr, cmp.	245 245							
			Ls	gr, cmp, wtbos.	240							
480	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr, cmp.	230 240							
			Ls	gr, cmp, wtbos.	240							
485	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr, cmp.	235 20							
			Ls	gr, cmp.	240 270 210							
490	[Pattern]	Loralai Member - Unit - IV	Sh	dk gr, cmp-lam.	25							
					210 210							

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
		Loralai Member-Unit-IV	L S	Sh gr, cmp, fos.	Z10							
			S h	dk gr, cmp.	Z40Z5							
			L s		Z10							
495			S h		Z30							
			L s		Z40							
			S h		Z50Z60							
			L s	gr, cmp, wt bos.	Z50							
			S h	dk gr, cmp.	Z60							
500		L s	dk gr, cmp.	Z10								
500.3		L s	gr, cmp, wt bos.	Z45								
Py dis												

Drill Hole No. : MJP-11  
 Location : SURMAI-III  
 Coordinate Point : N=1,123,150 E=2,008,247  
 Depth : 251.0m  
 Drilling Machine : L-38

Elevation : 1,567 m  
 Inclination : -90°  
 Core Recovery : 96.41%  
 Term : JUNE 13 '89 ~ JUNE 21 '89

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
1.1				Non core									
			L s	gr, cmp, wtbos, ole.	Z50								
5			Sh	gr bw, lam.	Z60 Z60 Z60								
			L s	gr, cmp, wtbos, ole.	Z60								
10			Sh		Z50Z50								
			L s	gr, cmp, ole.	Z60								
			Sh	gr bw-bk, cmp-lam, fos.	Z50								
15			L s	gr, cmp, wtbos.	Z45								
			Sh	bk-dk gr, lam-cmp.	Z50								
			L s		Z50								
			Sh		Z50								
20			L s	gr, cmp, wtbos.	Z50								
			Sh	dk gr-bk, lam.	Z50Z50								
			L s		Z50								
			Sh		Z50								
			L s	gr, cmp, wtbos.	Z50								
25			Sh		Z45Z50								
			L s		Z55								
			Sh		Z50								
			L s		Z50								
30			Sh	gr, cmp, wtbos.	Z60								
			L s		Z60								
			Sh		Z60								
			L s	dk gr, sly.	Z65								
			Sh	bk, lam-cmp.	Z60								
35			L s		Z60								
			Sh		Z60								
			L s	gr, cmp, wtbos, ole.	Z70								
			Sh		Z70								
			L s	raosa.	Z90								
			Sh		Z70								
40			L s	bk, lam.	Z60								

Loralai Member-Unit-III

Hmz  
Ca vn, vnt, flm  
Py dis

App. 8-5 MJP-11 Drilling Geological Log



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
45		Loralai Member-Unit-III	Ls	gr, cmp, wtbos, olc.	Li Ca vn, vnt, fln Sp dis Ca dis Si vnt, dis Py dis	DH11-1	44.6-46.6	2.0	0.22	0.08	<0.01	1.8
			Sh	bk, lam.								
			Ls	gr, cmp, wtbos, Sp, Ca, Py wk dis.								
			Sh	dk gr, cmp.								
			Ls	gr, cmp, wtbos, fos.								
			Sh	gr, cmp, wtbos, fos, olc.								
			Ls	gr, cmp, wtbos, fos, olc.								
			Sh	bk, lam.								
			Ls	gr, cmp, wtbos, fos, olc.								
			Sh	bk, lam.								
55		Loralai Member-Unit-II	Ls	gr, cmp, wtbos, olc.	Li Ca vn, vnt, fln Sp dis Ca dis Si vnt, dis Py dis	DH11-2	53.5-58.9	5.4	0.62	3.68	<0.01	8.5
			Ls	Sp, Ca dis-dots.								
			Ls	Sp, Ca dis-dots (φ5mm)								
			Ls	Sp, Ca dis.								
			Ls	Sp, Ca dis wh Li.								
			Ls	Ga, Sp dis-dots.								
			Ls	gr, cmp, wtbos.								
			Sh	dk gr, cmp.								
			Ls	gr, cmp, wtbos.								
			Sh	bk, cmp.								
90		Loralai Member-Unit-II	Ls	Sp, Ca ss dis.	Li Ca vn, vnt, fln Sp dis Ca dis Si vnt, dis Py dis	DH11-8	88.0-88.9	0.9	3.70	9.84	<0.02	62.0
			Ls	gr, cmp, wtbos.								

Depth (m)	Geolog. Log	Lithology		Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results					
		Group	Rock					Remarks	Pb %	Zn %	Ba %	Ag g/t	
95		Loralai Member-Unit-II	Sh	Ls									
			Ls	gr, cmp, wtbos.									
			Sh	dk gr, cmp-law.									
			Ls	gr, cmp, olc.									
			Sh	dk gr-bk, cmp-law.									
			Ls	Sp>Ca dis. gr, cmp, wtbos.									
			Sh	dk gr, cmp, mly.									
			Ls										
			Sh										
			Ls	gr, cmp, wtbos.									
			Sh										
			Ls	gr, cmp, wtbos.									
			Sh	dk gr, cmp, mly.									
			Ls	gr, cmp, wtbos.									
			Sh	bk, fos.									
			Ls										
			Sh	dk gr, cmp, mly.									
			Ls	gr, cmp, wtbos.									
			Sh	dk gr-bk, cmp-law.									
			Ls										
Sh													
Ls	gr, cmp, wtbos.												
Sh	dk gr, cmp, mly.												
Ls	gr, cmp, wtbos.												
Sh													
Ls	Sha raom. Sh bk.												
Ls	Ca>Sp dis-dots. gr, cmp, wtbos.												
Sh	dk gr-bk, cmp, mly.												
Ls													

DH 11-9 98.0-100.0 2.0 1.18 3.51 <0.01 12.5

DH 11-10 130.3-138.0 1.7 4.99 0.06 <0.01 30.5


Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
			L s	gr, cmp, wtbos.								
			Sh	dk gr-bk, cmp.	160							
145			L s	gr, cmp, wtbos.	155							
			Sh		160							
			L s		160							
			Sh		160							
150			L s	gr, cmp, wtbos.	150							
			Sh	bk, lam.	160							
			L s	gr, cmp, wtbos.	150							
155			Sh	bk, lam.	180							
			L s	gr, cmp, wtbos, oic.	145							
			Sh		145							
			L s		150							
			Sh	bk~dk gr, lam.	140							
160			L s	gr, cmp, wtbos.	140							
			Sh	bk~dk gr, lam.	160							
			Sha	raosm.	155							
			L s		160							
			Lsa	aolm.								
165			L s	gr, cmp, wtbos.	165							
			Sh									
			L s									
			Lsa	aolm.	160							
			Sh	dk gr, lam-cmp.	130							
			L s		140							
170			Sh	bk, lam.	170							
			L s	gr, cmp, wtbos, fos, oic.	170							
			Sh	bk, cmp-lam.	170							
175			Sha	raosm.	170							
			Sh	dk gr, cmp-lam, sly.	170							
			Lsa	aolm.	170							
			L s	gr, cmp, wtbos.	180							
180					160							
					170							
					170							
					170							
					170							
					170							
185			Sha	raosm.	165							
					170							
					170							
					180							
190			L s	gr, cmp, wtbos.	180							
			Sha									

Loralai Member-Unit-II

Py dis

Ca vn, vnt, flm

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
195		Loralai Member-Unit-II	Sha	raosm.	Z60							
			Ls	sr~lst sr.ole-fos.	Z70							
			Sha	raosm.	Z70							
			Ls		Z70							
			Sh	bk~dk gr, lam.	Z80							
			Ls	gr, cmp, wtbos.	Z80							
			Lsa	aolm.	Z70							
			Sha	raosm.	Z70							
			Ls	gr, cmp, wtbos.	Z70							
			Sha	raosm.	Z70							
210		Loralai Member-Unit-I	Ls	gr, cmp, wtbos.	Z80	Ca vn. vnt, flm Py dis						
			Sha	raosm.	Z70							
			Ls	gr, cmp, wtbos.	Z70							
			Sha	raosm.	Z70							
			Ls	gr, cmp, wtbos.	Z70							
			Ls	gr, cmp, wtbos.	Z60							
			Ls	gr, cmp, wtbos.	Z60							
			Ls	gr, cmp, wtbos.	Z50							
			Ls	gr, cmp, wtbos.	Z60							
			Ls	gr, cmp, wtbos.	Z70							
225		Loralai Member-Unit-I	Lsa	aolm.	Z40	Ca vn. vnt, flm Py dis						
			Ls	gr, cmp, wtbos.	Z45							
			Ls	gr, cmp, wtbos.	Z70							
			Lsa	aolm.	Z70							
			Sh	dk gr, cmp.	Z50							
			Ls	gr, cmp, wtbos.	Z70							
			Sh	dk gr, cmp, wlv.	Z70							
			Ls	gr, cmp, wtbos.	Z55							
			Sha	raosm.	Z55							
			Sha	raosm.	Z55							

Depth (m)	Geolog. LOG	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
		Loralai Member-Unit- I	Sh	dk gr, cmp.	Z60	Ca vn, vnt, flm Py dis						
245			Ls	gr, cmp, wt bos.	Z50							
							Z50					
							Z60					
							Z60					
250			Sh	raosm.	Z65							
251.0	Ls	gr, cmp, wt bos, etc.	Z60									
			Sh									
			Sh									
255												
260												
265												
270												
275												
280												
285												
290												

Drill Hole No. : MJP-12  
 Location : SURMAl-III  
 Coordinate Point : N=1,128,150 E=2,008,247  
 Depth : 151.0m  
 Drilling Machine : L-38

Elevation : 1,567 m  
 Inclination : -60°  
 Core Recovery : 94.30%  
 Term : JUNE 6 '89 ~ JUNE 11 '89

12-1

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
1.1				Non core									
5			L s	gr, cmp, wtbos, olc.									
			S h	gr bw, cmp.	£80								
			L s	gr, cmp.	£80								
			S h										
			L s	gr, cmp, olc.	£80								
10			S h	dk gr, cmp.									
			L s		£80								
			S h	gr-dk gr, cmp-lam.	£70								
			L s	gr, cmp, wtbos.	£65								
			S h										
15			L s	gr, cmp.									
			S h	dk gr, cmp-lam.	£70								
			L s										
			S h	dk gr, cmp.	£80								
			L s		£80								
			S h		£70								
20			L s	gr, cmp, wtbos.	£70£65								
			S h		£60£70								
			L s	gr, cmp, wtbos.	£65								
25			L s	gr, cmp, wtbos.	£70								
			S h		£60								
			L s		£65								
			S h		£80								
			L s	gr, cmp, wtbos, fos.	£75								
30			S h		£80								
			L s	bk, lam.	£80								
			S h										
			L s	gr, cmp, wtbos.	£70								
			S h		£70								
35			L s	gr, cmp, olc.									
			S h	raosm.	£70								
			L s	gr, cmp, wtbos.	£60								
			S h	bk, lam.	£45								
40			L s		£70								

App. 8-6 MJP-12 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
43.6		Loralai Member -Unit-III	Sh										
			Ls	gr, wtbos, ole. Sp, Ga dis.		DH12-1	40.4-42.4	2.0	1.12	5.70	0.04	11.0	
45			Sh	dk gr, wh Ls nod. Sp wk dis.									
			Ls	gr, cmp.		DH12-2	42.4-43.6	1.2	0.93	1.95	0.04	6.0	
50			Sh										
			Ls	gr, cmp.		DH12-1~2	40.4-43.6	3.2	1.95	4.29	0.04	9.1	
55			Sh										
			Ls	gr, cmp.									
60			Sh										
			Ls	gr, cmp, wtbos.									
65			Sh										
			Ls	gr, cmp, wtbos.									
70			Sh										
			Ls	gr, cmp, wtbos.									
75			Sh	dk gr, wly.									
			Ls	gr, cmp, wtbos, fos.									
80			Sh	dk gr, cmp-cmp.									
			Ls	gr, cmp, wtbos.									
85			Sh	dk gr, lan.									
			Ls	gr, cmp, wtbos. Sp>Ga dis.									
90			Sh	bk, cmp, wtbos.									
			Ls	gr, cmp, wtbos.									
			Sh	bk, lan.									
			Ls	gr, cmp, ole.									
			Sh										

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
95		Loralai Member-Unit-II	Sh	bk, lam.	Z80	Ca vn, vnt, flm Py dis						
			Ls	gr, cmp, wtbos, fos.	Z70							
			Sh	dk gr, wly, cmp.	Z60Z70							
			Ls	gr, cmp, olc.	Z70							
			Sh		Z70							
			Ls	gr, cmp, wtbos.	Z80 Z55 Z65							
			Sh	dk gr-bk, lam, fos.	Z60							
			Ls	gr, cmp, wtbos, fos.	Z70 Z70							
			Sh		Z80							
			Ls	gr, cmp, wtbos.	Z70 Z90							
			Sh	bk, lam.	Z80							
			Ls	gr, cmp, wtbos.	Z70							
			Sh	dk gr, cmp-lam, fos.	Z80 Z65Z80							
			Ls	gr, cmp, wtbos, olc.	Z60							
			Sh	dk gr-bk, cmp-lam.	Z65							
			Ls	gr, cmp, wtbos, fos.	Z70							
			Sh		Z70Z80							
			Ls	gr, cmp, wtbos, fos.	Z70 Z50							
			Sh	bk, lam.	Z60							
			Ls	gr, cmp, wtbos.	Z70 Z60 Z70							
Sh	roasm.	Z70										
Ls	gr, cmp, wtbos, fos.											
Sh	gr-dk gr, cmp-lam.	Z70										
Ls	gr, cmp, wtbos, fos.											
Sh	bk, cmp-lam.	Z80 Z70										
Ls	gr, cmp, wtbos.	Z65										
Sh		Z70										
Ls		Z80Z70										
Sh	dk gr, lam.	Z70										
Ls												



Depth (m)	Geolos. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Kd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
		Loralai Member-Unit-II	L s	Sh	280	Ca vn, vnt, flm Py dis						
			L s	gr, cmp, wtbos.	280							
			Sh	dk gr, cmp.								
			L s									
145			Sh		275							
			L s	gr, cmp, wtbos, fos, oic.	260/270							
			Sh	bk, lam.	270							
			L s	gr, cmp, wtbos.	280							
150		Sh	dk gr, cmp~lam.	260								
151.0		L s	gr, cmp, wtbos, fos.									
155												
160												
165												
170												
175												
180												
185												
190												

Drill Hole No. : MJP-13  
 Location : SURMAL-I  
 Coordinate Point : N=1,125,475 E=2,008,315  
 Depth : 351.0m  
 Drilling Machine : L-38

Elevation : 1,477 m  
 Inclination : -90°  
 Core Recovery : 97.86%  
 Term : MAR. 21 '89 ~ APR. 4 '89

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
2.7	X			Non core									
5			Sh	gr~gr bw, lam.	Z5 Z10 Z15								
			Ls	gr, cmp, wtbos, fos.	Z10 Z20 Z40								
10			Sh		Z35 Z40								
			Ls										
15			Sh	dk gr~gr bw, cmp, mly.	Z35								
			Ls		Z30 Z35								
			Sh		Z30								
20			Ls	gr, cmp.	Z40								
			Sh	dk gr~gr, cmp, mly.	Z40 Z35								
			Ls		Z35								
25			Sh	dk gr~gr, cmp-lam.	Z30 Z35								
			Ls	gr, cmp, fos.	Z35								
			Sh	dk gr, cmp-lam.	Z30 Z35								
30			Ls	gr, cmp, wtbos.	Z40								
			Sh	bk-dk gr, lam~cmp, fos.	Z35 Z40								
35			Ls	dk gr, cmp, mly.	Z30 Z35								
			Sh		Z30								
40			Ls	gr, cmp, wtbos.	Z30								
			Sh										

App. 8-7 MJP-13 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			Sh	dk gr, cmp.	Z40								
			Ls	gr, cmp, wtbos.	Z30								
			Sh		Z35								
45			Ls										
			Sh	bk-dk gr, lam, fos.	Z35								
			Ls	gr, cmp, wtbos.	Z30								
50			Sh	bk-dk gr, lam-cmp.									
			Ls	gr, cmp, wtbos.									
55			Sh	bk, lam.	Z20								
			Ls	gr, cmp, wtbos.	Z15								
60			Sh	bk, lam.	Z30								
			Ls	gr, cmp, wtbos.	Z30								
65			Sh	bk-dk gr, lam-cmp.	Z30								
			Ls	gr, cmp, wtbos.	Z30								
			Sh	bk-dk gr.	Z20								
70			Ls	gr, cmp, wtbos.	Z35								
			Sh	bk-dk gr.	Z30								
75			Ls	gr, cmp, wtbos.	Z40								
			Sh		Z20								
80			Ls	gr, cmp, wtbos.	Z20								
					Z30								
85					Z20								
			Sh	gr-bk, lam-cmp, nly.	Z30								
90													

Loralai Member-Unit-III

HmZ  
Py dis  
Ca vn. vnt. flm

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
95		Loralai Member - Unit - III	L s	Sh	gr, cmp, wtbos.								
			S h		cmp-lam, fos.								
			L s										
			S h		dk gr, cmp, ls nod, fos.	£30							
			L s		gr, cmp, wtbos, olc.	£20							
			S h		bk, lam~cmp.	£40							
			L s			£30							
			L s		gr, cmp, wtbos, olc.								
			S h			£30							
			L s		bk, lam.	£40							
105		Loralai Member - Unit - III	L s		gr, cmp, wtbos, olc, fos.	£45							
			S h		dk gr~bk, lam~cmp.	£45							
			L s		gr, cmp, wtbos.	£40							
			S h		bk, cmp~lam.								
			L s		gr, cmp, wtbos.								
			S h			£55							
			L s			£60							
			S h			£45							
			L s		gr, cmp, wtbos.								
			S h		dk gr, ls nod.	£50							
120		Loralai Member - Unit - II	L s		gr, cmp, wtbos.	£45							
			S h		dk gr, ls nod.	£45							
			L s		gr, cmp, wtbos.	£45							
			S h		bk~dk gr, lam~cmp.	£30							
			L s		gr, cmp, wtbos, fos.	£45							
			S h			£30							
			L s		gr, cmp, wtbos, fos.	£45							
			S h			£45							
			L s		gr, cmp, olc.	£50							
			S h										
135		Loralai Member - Unit - II	L s		gr, cmp, olc.								
					massive Ca wh Py patches								
					Si dis								
					Sp dis, Py patches-dis.								
					Sp dis, Si dis.								
140		Loralai Member - Unit - II	L s		gr, cmp, olc.								
					Si+Ca vnt, Si dis.	£40							
					Sp>>Ca dis.								

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
145	[Lithology Column]	Ls	Sh	dk gr, cap, Sp>Ca dis, Si dis, massive Ca.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-6	140.1-140.5	0.4	0.07	0.03	<0.01	1.3	
						DH13-7	140.5-141.2	0.7	0.77	9.33	<0.01	6.0	
						DH13-8	141.2-141.6	0.4	<0.01	<0.01	<0.01	<0.5	
150	[Lithology Column]	Ls	Sh	gr, cap, wtbos, fos, olc.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-9	141.6-147.0	5.4	0.15	1.01	<0.01	1.3	
			Sh	dk gr, cap, aly.		DH13-10	147.0-148.0	1.0	0.06	0.02	<0.01	1.3	
			Ls	bk-dk gr, cap, cly.		DH13-11	148.0-151.5	3.5	2.88	1.91	<0.01	32.0	
155	[Lithology Column]	Ls	Sh	Sp>Ca wk dis, Si dis, bk-dk gr, cap, cly.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-12	151.5-152.4	0.9	0.96	0.12	0.03	12.0	
			Ls	Ca vn, Si vnt, Sp dis, gr, cap, wtbos.		DH13-13	152.4-154.0	1.6	0.27	5.53	<0.01	4.0	
			Sh	Sp dis, bk, lam.		DH13-14	154.0-155.5	1.5	0.21	0.34	<0.01	2.3	
160	[Lithology Column]	Ls	Sh	bk, lam.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-15	155.5-155.9	0.4	0.41	0.03	<0.01	7.5	
			Ls	brc, Ca>Sp dis, Si>Ca vnt, gr, cap, wtbos.		DH13-16	155.9-157.4	1.5	6.85	0.21	<0.01	96.0	
			Sh	Ca>Sp dis, Si>Ca vnt, Si dis, bk, lam.		DH13-17	157.4-160.3	3.4	0.62	0.20	<0.01	9.5	
165	[Lithology Column]	Ls	Sh	bk, lam.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-18	160.3-162.5	1.7	0.02	0.02	0.02	0.8	
			Ls	Sp dis, gr, cap, wtbos.		DH13-19	162.5-164.6	2.1	0.12	5.37	<0.01	7.0	
			Sh	Sp dis, gr, cap, wtbos.		DH13-20	164.6-168.6	4.0	0.11	0.07	<0.01	1.3	
170	[Lithology Column]	Ls	Sh	Sp, Ca wk dis, Sp>Ca vnt, Ca>Si vn-vnt, Ca wk dis.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-21	168.6-170.1	1.5	0.06	0.02	<0.01	1.0	
			Sh	dk gr-bk, cap, lam, gr, cap, wtbos, olc.		DH13-22	170.1-171.4	1.3	<0.01	0.02	<0.01	0.5	
			Ls	Si>Ca vnt, Sp dis, Si>Ca vn.		DH13-23	171.4-172.4	1.0	0.06	0.02	<0.01	0.8	
175	[Lithology Column]	Ls	Sh	Si>Ca vnt.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-24	172.4-173.0	0.6	0.06	4.71	<0.01	3.0	
			Sh	dk gr-bk, cap, lam.		DH13-25	173.0-174.6	1.6	<0.01	<0.01	<0.01	<0.5	
			Ls	gr, cap, wtbos.		DH13-26	174.6-177.1	2.5	<0.01	<0.01	<0.01	0.5	
180	[Lithology Column]	Ls	Sh	Sp dis, Si>Ca vnt.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-27	177.1-178.9	1.3	<0.01	0.20	<0.01	<0.5	
			Sh	Si>Ca vnt, dk gr, cap, aly, Si>Ca vnt.		DH13-28	178.9-180.1	1.2	<0.01	<0.01	<0.01	<0.5	
			Ls	Sp dis, Si>Ca vn, gr, cap, wtbos.		DH13-29	180.1-181.2	1.1	0.01	<0.01	<0.01	<0.5	
185	[Lithology Column]	Ls	Sh	Sp dis, Si>Ca vn, gr, cap, wtbos.	Sp dis Ca dis Si vn, vnt, dis Ca vn, vnt, file Py dis	DH13-30	181.2-181.8	0.6	0.05	<0.01	<0.01	<0.5	
			Sh	dk gr, cap.		DH13-1-30	131.3-181.8	50.5	0.54	1.01	<0.01	7.3	
			Ls	gr, cap, wtbos, fos.									
190	[Lithology Column]	Ls	Sh	dk gr, cap.									

Loralai Member-Unit-II

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
195	Loralai Member-Unit - II		L s	gr, cmp, wtbos, fos.	Z30								
200			Sh	dk gr, cmp, mly.	Z35 Z40								
			L s	gr, cmp, wtbos.	Z40								
			Sh		Z40								
			L s		Z0								
205			Sh	dk gr, cmp.	Z20								
210			L s	gr, cmp, wtbos, fos.  210.4m, Si+Ca vnt wd 0.5cm.  213.5-213.7m Si+Ca vnt.	Z15								
215					Z15								
220			Sh	dk gr, cmp, mly.	Z20								
			L s	gr, cmp, wtbos.  220.4-220.5m Si+Ca vnt, Si dis. 221.8m Si+Ca vnt, Ga dis(wd 3cm)	Z15								
225			Sh		Z10Z15								
			L s		Z40Z0								
			Sh		Z30								
230			L s	gr, cmp, wtbos, olc.	Z35								
		Sh	dk gr, cmp.										
235		L s	gr, cmp, wtbos, olc.										
240													

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
	Loralai Member-Unit-II		L s										
			S h	bk, lam.	Z55								
245			L s	gr, cmp, wtbos.	Z55								
			S h	dk gr, cmp~lam.	Z20								
250					Z20								
255													
260			L s	gr, cmp, wtbos.									
265					264.0-267.7m, oic.								
270			S h	dk gr~bk, cmp~lam.	Z35								
			L s	gr, cmp, oic.	Z30								
			S h		Z30								
			L s	gr, cmp, wtbos, fos.	Z35								
275					Z40								
			S h	gr~dk gr, cmp, wly. bk, cmp~lam.	Z60								
					Z30Z40								
280		L s	gr, cmp, wtbos.										
		S h	gr~dk gr, cmp, oic. bk, lam~cmp.	Z40									
				Z40									
285		L s	gr, cmp, wtbos.										
		S h		Z40									
		L s		Z50									
290		S h	dk gr~bk, cmp~lam.	Z40									

Ca vn, vnt, flm

Py dis

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
				SH									
			L s	gr, cmp, wtbos.									
295				aly, olc.									
			Sh	bk, lam.									
			L s	gr, cmp, olc.									
			Sh	bk, cmp~lam.									
300													
			L s	gr, cmp, olc, fos.									
			Sh										
			L s	gr, cmp, wtbos, fos.									
305													
			Sh	dk gr, cmp~lam.									
			L s	gr, cmp, wtbos, olc.									
310													
			Sh	dk gr, cmp, mly.									
			L s	gr, cmp, wtbos.									
			Sh	dk gr, cmp, aly.									
315				bk, lam.									
				gr, cmp, olc.									
			L s	gr, cmp, wtbos.									
320			Ls	fos.									
			L s	gr, cmp, wtbos.									
			Sha	raosm.									
325													
			L s	gr, cmp, wtbos.									
			Lsa	aolm.									
			L s	gr, cmp, olc.									
330			Sh	bk~dk gr, lam.									
			L s	gr, cmp, wtbos.									
			Sh	bk~dk gr, lam.									
			L s	gr, cmp, olc, fos.									
335			Sh	bk~dk gr, lam. partly raosm.									
			L s	gr, cmp, olc.									
			L s	gr, cmp, olc.									
340			Sha	raosm.									

Loralai Member - Unit - II

Ca vn, vnt, flm  
Py dis



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
		Loralai Member-Unit-II	Sh a	raosm.	Z45							
			L s	gr, cmp, fos.	Z50							
			Sh a	raosm.	Z60, Z45							
345						Z40						
			L s	gr, cmp, wtbos.	Z45							
						Z50						
350			Sh a	raosm.	Z50							
351.0					Z55							
355												
360												
365												
370												
375												
380												
385												
390												

Drill Hole No. : MJP-14  
 Location : SURMAI-III  
 Coordinate Point : N=1,122,689 E=2,008,382  
 Depth : 351.0m  
 Drilling Machine : L-38

Elevation : 1,641 m  
 Inclination : -90°  
 Core Recovery : 96.18%  
 Term : MAY 14 '89 ~ MAY 30 '89

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
4.1				Non core									
5			L s	gr, cmp, wtbos.									
					Z60								
			S h	dk gr~dk bw, lam~cmp.									
10			L s	gr, cmp, wtbos.									
			S h	dk gr, lam.									
			L s		Z55								
			L s		Z60								
15			S h	dk gr, lam.	Z15								
			L s		Z40								
			S h		Z10								
			S h		Z5								
20			L s	gr, cmp, wtbos.									
			S h	gr, cmp, mly.	Z10								
25			L s		Z10								
			S h		Z45								
			L s	gr, cmp, wtbos.	Z60Z45								
30			S h	bk, lam.	Z40								
			L s										
			S h	bk~dk gr, lam, cmp.	Z60Z45								
			L s	gr, cmp, wtbos, fos.	Z50								
35													
40													

App. 8-8 MJP-14 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
45		Loralai Member-Unit-III	L s	gr, cmp, wtbos, fos.	Zn Hnz Ca vn, vnt, flm Py dis							
50												Z10
55												Z10
60												Z5
65												Z10
65												Z10
70			Z5									
70			Z0									
75			Z5									
75			Z0									
80			Z10									
80			Z0									
85	Z70											
85	Z35											
90	Z20											

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
95		Loralai Member-Unit-III	Sh	bk-dk gr, lam~cmp, fos.	Z40Z45								
			Ls		Z40								
			Sh		Z45								
			Ls	gr, cmp, wtbos.	Z60								
			Sh	bk, lam.	Z60Z60								
			Ls		Z35								
			Ls		Z60								
			Sh		Z30								
			Ls	gr, cmp, wtbos.	Z50								
			Sh	bk, lam, fos.	Z30								
			Ls		Z40								
			Sh		Z40								
			Ls		Z10								
			Sh		Z40								
			105		Loralai Member-Unit-III	Ls		Z20					
Sh	gr, wtbos.	Z10											
Sh	bk~dk gr, lam~cmp.	Z20											
Ls		Z5											
Sh		Z25											
Ls		Z0											
Sh		Z5Z50											
Ls	gr, sandy.	Z10											
Sh		Z5											
Sh	bk, lam~cmp.	Z60											
115		Loralai Member-Unit-III	Ls	gr, cmp~wtbos.	Z50								
			Sh	bk, lam.	Z30								
			Ls	massive Ga, Cp dis. Ga, Sg dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls	gr, cmp, wtbos. Sp>>Ga dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls		Z10								
			Sh	dk gr-bk, lam, fos. Si wk dis.	Z15								
			Ls		Z30								
			Ls		Z45								
120		Loralai Member-Unit-II	Ls	gr, cmp~wtbos.	Z50								
			Sh	bk, lam.	Z30								
			Ls	massive Ga, Cp dis. Ga, Sg dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls	gr, cmp, wtbos. Sp>>Ga dis.	Z10								
			Sh	dk gr-bk, lam, fos. Si wk dis.	Z15								
			Ls		Z30								
			Ls		Z45								
			Ls		Z45								
			Ls		Z45								
123.2		Loralai Member-Unit-II	Ls	gr, cmp~wtbos.	Z50								
			Sh	bk, lam.	Z30								
			Ls	massive Ga, Cp dis. Ga, Sg dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls	gr, cmp, wtbos. Sp>>Ga dis.	Z10								
125		Loralai Member-Unit-II	Ls	gr, cmp~wtbos.	Z50								
			Sh	bk, lam.	Z30								
			Ls	massive Ga, Cp dis. Ga, Sg dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls	gr, cmp, wtbos. Sp>>Ga dis.	Z10								
130		Loralai Member-Unit-II	Ls	gr, cmp~wtbos.	Z50								
			Sh	bk, lam.	Z30								
			Ls	massive Ga, Cp dis. Ga, Sg dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls	gr, cmp, wtbos. Sp>>Ga dis.	Z10								
135		Loralai Member-Unit-II	Ls	gr, cmp~wtbos.	Z50								
			Sh	bk, lam.	Z30								
			Ls	massive Ga, Cp dis. Ga, Sg dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls	gr, cmp, wtbos. Sp>>Ga dis.	Z10								
140		Loralai Member-Unit-II	Ls	gr, cmp~wtbos.	Z50								
			Sh	bk, lam.	Z30								
			Ls	massive Ga, Cp dis. Ga, Sg dis.	Z10								
			Sh	bk, lam.	Z10								
			Ls	gr, cmp, wtbos. Sp>>Ga dis.	Z10								

Depth (m)	Log	Lithology Geolog.			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pt %	Zn %	Ba %	Ag g/t	
145		Loralai Member - Unit - II	Sh	dk gr~bk, lam.	Z50								
			Ls	gr, cap, wtbos, fos.	Z40								
			Sh	bk, lam.	Z60								
			Ls	gr, cmp, wtbos.	Z40								
			Sh	dk gr, cly.									
150			Ls	gr, cap, wtbos. Sp+Ga wk dis.	Z5								
			Sh	bk~dk gr, lam.									
			Ls	gr, cap, wtbos, olc.									
155			Sh	dk gr~bk, lam-cap.	Z60								
			Ls	gr, cap, wtbos, olc.	Z60								
					Z45								
160					Z30								
					Z45								
			Sh	dk gr~bk, cap-lam.	Z40								
					Z45								
165				Z60									
				Z60									
		Ls	gr, cap, wtbos, olc.	Z60									
				Z45									
170		Sh	dk gr~bk, cap-lam, fos.	Z50									
		Ls	gr, cap, wtbos, fos.										
		Sh	dk gr, lam.	Z70									
		Ls	gr, cmp, wtbos.										
		Sh	dk gr, lam.	Z50									
175		Ls	gr, cap, wtbos.	Z70									
			Si dis.	Z70									
				Z65									
		Sh											
		Ls	gr, cap, wtbos. Si dis.	Z50									
180				Z70									
				Z70									
				Z65									
		Ls	gr, cap, wtbos. Si dis.										
184.1													
185		Ls	gr, cap, wtbos, olc.	Z30									
		Sh	dk gr~bk, lam.	Z60									
		Ls	gr, cap, wtbos, olc.	Z75									
190		Sh	dk gr~bk, cap-lam.	Z55									
				Z55									

DH14-4

149.2-151.5

2.3

3.21

<0.01

<0.01

30.5

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Kd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
			Sh	dk gr-bk, cmp-lam.	Z45							
			Ls	gr, cmp, fos.	L45							
			Sh		L50Z45							
195			Ls		L70							
			Sh	dk gr, cmp.	Z45							
					Z60							
200			Ls		L45Z55							
			Sh		L50							
			Sh		L60							
			Ls		L45							
			Sh	dk gr, cmp.	Z45							
					Z50							
			Ls	gr, cmp, wtbos, etc.	L40Z45							
					L50							
210			Sh	dk gr, cmp-lam, fos.	Z45							
					Z50							
			Ls	gr, cmp, wtbos.	Z50							
			Sh	dk gr, lam.	L45							
215			Ls	gr, cmp, wtbos, etc.	L50							
			Sh	dk gr, lam.	Z50							
			Ls	gr, cmp, wtbos.	L40							
			Sh	dk gr, lam.	Z40							
220			Ls	gr, cmp, wtbos, fos.	L35							
			Sh	bk-dk gr, lam-cmp, fos.	L30Z45							
					Z50							
			Ls	gr, cmp, wtbos.	L60							
225			Sh	dk gr, cmp.	Z45							
			Ls	gr, cmp, wtbos, fos.	L40							
			Sh	dk gr-bk, cmp-lam, fos.	L30							
			Ls	gr, cmp, wtbos.	L45Z45							
			Sh	dk gr, lam-cmp.	L35							
230			Ls	gr, cmp, wtbos.	L60							
			Sh	bk-dk gr, lam-cmp.	Z45							
			Ls	gr, cmp, wtbos.	L65							
			Sh	dk gr, cmp.	L60							
			Ls	gr, cmp, wtbos, fos.	Z60							
235			Sh	dk gr, lam.	Z50							
			Ls	gr, cmp, wtbos, fos.	L60							
			Sh	bk, lam.	L60							
			Ls	gr, cmp, wtbos.	L70							
240			Sh									

Loralai Member-Unit-III

Py dis  
Ca vn, vnt, flm



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
295			L s	Sp, Ga, Py dis.	L70 L75 L60 L65	DH14-6	290.3-291.1	0.8	0.10	0.03	<0.01	1.5
			Sh									
300			L s	gr, cmp, wtbos.	L40 L40	DH14-7	295.7-296.9	1.2	0.27	0.38	<0.01	2.8
			Sh									
305			L s	Sp, Ga dis.	L45 L40	DH14-8	303.5-305.0	1.5	0.50	1.04	<0.01	4.8
			Sh									
310			L s	gr, cmp, wtbos, fos.	L45 L40	DH14-9	307.2-308.7	1.5	0.25	0.72	<0.01	2.8
			Sh									
315			L s	Sp > Ga wk dis.	L45 L40	DH14-10	310.0-312.0	2.0	0.29	0.10	<0.01	2.5
			Sh									
320			L s	Sp, Ga wk dis.	L45 L40	DH14-11	312.9-313.7	0.8	1.21	2.68	<0.01	12.0
			Sh									
325			L s	Ga wk dis.	L45 L40	DH14-12	314.6-317.3	2.7	0.10	0.36	<0.01	1.3
			Sh	dk gr, cmp Sp dis.								
330			L s	gr, cmp, wtbos, Sp, Ga wk dis.	L80 L40	DH14-13	317.8-318.2	0.4	0.23	0.59	<0.01	2.3
			Sh									
335			L s	bk, emp. Ca wk dis.	L80 L80	DH14-14	319.0-326.4	7.4	0.66	0.20	<0.01	7.0
			Sh	bk, lam.								
340			L s	gr, cmp, olc, Ga dis.	L80 L80	DH14-15						
			Sh	gr, cmp, wtbos.								
			L s	gr, cmp, wtbos.								
			L s	Ca wk dis.								
			L s	gr, cmp, wtbos.								
			L s	Sp, Ga wk dis.								

Loralai Member-Unit-II



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results					
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t		
		Loralai Member-Unit-II		Sp>Ca dis.	Sp dis Ca dis Si ent. dis Ca vn. ent. fls Py dis	DH14-15	338.0-341.0	3.0	0.28	0.18	<0.01	3.0		
345			L s	gr, cmp, wtbos.										
						Sp wk dis.								
350				Sh		bk, lam.								
351.0			Sh											
355														
360														
365														
370														
375														
380														
385														
390														

Drill Hole No. : MJP-15  
 Location : SURM1-III  
 Coordinate Point : N=1,122,689 E=2,008,382  
 Depth : 300.2m  
 Drilling Machine : L-38

Elevation : 1,641 m  
 Inclination : -50°  
 Core Recovery : 98.30%  
 Term : APR. 12 '89 ~ MAY 5 '89

15-1

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
3.1				Non core								
5			L s	gr, cmp.								
10			S h	bw~gr, cmp~lam.								
15			L s	gr, cmp.	Z30							
20			S h	bw~gr, cmp~lam.	Z45 Z45 Z50 Z35 Z30							
25			L s									
30			S h	gr~bk, cly.	Z35							
35			L s	gr, cmp, wtbos.	Z30/Z40							
40			S h	gr bw, cmp.	Z45 Z40							
			L s	gr~gr bk, lam~cmp.	Z40							
			S h									
			L s									
			S h									
			L s	gr, cmp, wtbos.								

App. 8-9 MJP-15 Drilling Geological Log

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Vd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
			L s	gr, cmp, wtbos.									
45			S h	bk-dk gr. lam-cap.	Z70 Z35 Z30								
50					Z30								
55			L s	gr, cmp, wtbos.	Z10								
60													
65													
70			S h	bk-dk gr. lam-cap.	Z5 Z10 Z15 Z15 Z5								
75			L s	gr, cmp, wtbos.									
80			S h	dk gr, lam.	Z5 Z5 Z0 Z5 Z0								
85			S h	dk gr-bk. lam. fos.	Z5								
90			L s	gr, cmp, wtbos.	Z80Z70 Z60								
			S h										
			L s										
			L s										

Loralai Member-Unit-III

Py dis  
Hmz  
Ca vn, vnt, flm

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
	Loralai Member-Unit-III		S h	gr, cly.									
95			L s	gr, cmp, wtbos.	Z55								
				S h									
				L s	gr, cmp, wtbos.	Z60							
100				S h	dk gr-gr, lam-cmp.	Z5 Z0 Z10 Z15							
				L s	gr, cmp.								
				S h	dk gr, cmp-lam.	Z40							
105				L s	gr, cmp, wtbos.	Z10							
				S h	bk-dk gr, lam-cmp.	Z40							
110				L s	gr, cmp, wtbos.	Z40							
				S h	bk, lam, cly.	Z40							
115				Ls									
				S h	bk, lam, cly.	Z40							
120				Ls		Z40							
				S h		Z35							
125				L s	gr, cmp.	Z10							
				S h	dk gr, cmp.								
128.0				L s	gr, cmp, wtbos.								
130	Loralai Member-Unit-IV		S h	bk~dk gr, lam, fos.	Z40 Z30 Z50 Z45 Z70 Z35 Z75								
135													
140													

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results			
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t
		Loralai Member-Unit-IV	Sh	dk gr, comp.	Z70							
			Ls			Z70						
			Sh									
145			Sh	dk gr, comp.		Z70						
			Ls	gr, comp, oic.								
			Sh	bk, lam.		Z40						
150			Ls	gr, comp, wtbos, oic.		Z30						
			Sh			Z20						
			Ls			Z15						
			Lsa	aolm.		Z45						
155		Sh	dk gr-gr, comp-lam.		Z45							
154.8		Lsa	aolm.		Z45							
		Sh	dk gr-bk, comp-lam.		Z80							
160		Ls	ar, oic.		Z80							
		Sh			Z40							
		Ls	gr, comp, fos, oic.		Z90							
165		Ls	gr, comp, fos									
		Sh	dk ar-bk, cly.		Z50							
		Ls			Z60							
170		Sh	bk-dk gr, lam-comp.		Z60							
		Ls	gr, comp, wtbos.		Z50							
		Sh			Z45							
		Ls	gr, comp, wtbos.		Z45							
175		Sh	dk gr, comp.		Z40							
		Ls	gr, comp, wtbos.		Z45							
		Sh	bk, lam.		Z50							
180		Ls	gr, comp, wtbos.		Z50							
		Sh	dk gr, comp.		Z60							
185		Ls			Z55							
		Sh	gr, comp, wtbos.		Z50							
		Ls	gr, comp, oic.									
190		Sh	bk-dk gr, comp.									



Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Wd (m)	Assay Results				
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t	
				Sp>Ca wk dis.		DH15-11	239.4-241.6	2.1	0.15	0.07	<0.01	1.0	
				Sp>Ca wk dis.		DH15-12	241.5-244.4	2.9	2.25	1.77	<0.01	20.2	
245				Sp>Ca dis.		DH15-13	244.4-245.5	1.1	1.52	13.90	<0.01	16.2	
				Ca vnt.		DH15-14	245.5-245.9	0.4	1.26	1.77	<0.01	9.2	
				Sp>Ca dis.		DH15-15	245.9-246.7	0.8	0.66	15.90	<0.01	7.2	
		L s		gr, cmp, wtbos.									
250				Sp>Ca wk dis.		DH15-16	248.7-251.2	4.6	0.94	1.13	<0.01	9.5	
				Ca vn, wh Ls bre (Sp wk dis).		DH15-17	251.2-251.8	0.6	0.16	0.13	<0.01	1.5	
				Sp>Ca wk dis.		DH15-18	251.8-255.3	3.5	1.15	0.21	<0.01	15.5	
				Sp>Ca wk dis.		DH15-19	255.3-258.4	3.1	0.83	0.75	<0.01	9.2	
				Si+Ca vn-vnt.		DH15-20	258.4-258.7	0.3	0.48	1.54	<0.01	6.5	
260		Sh		Si vnt.	Z20	DH15-10-20	238.8-258.7	19.9	1.04	2.05	<0.01	10.9	
		L s	Sh	dk gr, lam-cmp.	Z30								
		L s		gr, cmp, wtbos.	Z40/Z1								
265		Sh		bk-dk gr, lam-cmp.	Z10								
					Z30								
		L s		gr, cmp, wtbos.									
		Sh			Z40/Z5								
270		L s		gr, cmp, wtbos.									
					Z5Z0								
					Z60								
275		Sh		bk lam.	Z0Z5								
					Z10								
					Z30								
280		L s		gr, cmp, wtbos.		DH15-21	277.1-284.1	7.0	0.05	0.38	<0.02	0.8	
				Ca+Sp very wk dis.		DH15-22	284.1-285.6	1.5	0.09	0.02	<0.01	1.3	
		Sh		dk gr~bk, lam.	Z10								
285		L s		gr, cmp, wtbos.	Z30								
			Sh	Ca very wk dis.		DH15-23	285.0-288.8	3.2	0.44	1.96	<0.02	4.8	
290		L s				DH15-							

Depth (m)	Geolog. Log	Lithology			Mineralization etc	Sample No.	Depth (m)	Yd (m)	Assay Results														
		Group	Rock	Remarks					Pb %	Zn %	Ba %	Ag g/t											
295	Loralai Member-Unit-II	L s	gr, cmp, wtbos.	Sp+Ca dis, $\phi$ 1-2mm Si+Ca vnt.	£85 £60 £30	DH15-24	288.8-295.1	6.3	3.54	10.10	<0.01	37.2											
				Sp+Ca dis.									DH15-25	295.1-296.2	1.1	2.47	8.50	<0.02	27.2				
				Sp+Ca wk dis.									DH15-26	296.2-297.3	1.1	0.34	5.55	<0.01	5.7				
				Sp+Ca dis.									DH15-27	297.3-298.1	0.8	3.24	6.14	<0.02	34.7				
300				Ca>Sp very wk dis. Si very wk vnt.									DH15-28	298.1-300.2	2.1	0.03	0.10	<0.02	0.5				
300.2													DH15-21-28	277.1-300.2	23.1	1.30	4.03	<0.02	14.0				
305																							
310																							
315																							
320																							
325																							
330																							
332.5																							
335																							
340																							







