

Apx. 6 Microscopic Observations of Polished Sections

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Sample No.	Rock Name	Geol. unit	Primary Mineral						Secondary Mineral				Remarks
			Cp	Sp	Gn	Py	Tr	Asp	Gd	Cv	Cc	Hem	
Chontali Area Drilling Core Samples													
C-1 52.60	Quartz vein	Oy	0.2×0.5 ○ A (Gd)	0.01 * (Py)	0.1×0.2 *	0.2×0.2 ○ S~A (Gd, Gn)			0.09 *				
C-1 52.60 (2)				0.03×0.2 *	0.05×0.2 * (Cp)	0.1×0.2 * (Tr)	○ 0.07×0.14 ○ S~A Ag		0.2×0.4 △ (Gn, Sp, Cp)				
C-1 130.40	Quartz vein	Oy											
C-1 146.40	Quartz vein	Oy	0.07×0.1 *	0.07×0.1 *	0.02×0.03 * (Tr)	○ E~S		0.07×0.14 ○ (Py, Cp, Gn)					X
C-2 59.60	lp-tf w/Quartz v	Oy				○ A Ag							F/I
C-2 194.50	Quartz vein	Oy	1.3 *	0.04×0.07 △ (Cp, Tr)	0.01×0.03 * (Tr)	0.2×0.3 ○ E~S (Tr)		0.1×0.2 ○ (Py, Gn, Cp, Sp)					
C-3 203.84	Quartz vein	Oy	* (Tr)		0.01×0.02 *	○ A (Tr, Gn)		0.1×0.3 △ (Cp)					
C-3 204.15	Quartz vein	Oy	0.2×0.6 *	0.4 * (Cp)	0.02×0.04 *	○ A ○ E~S (Tr, Gn, Cp)		0.4×0.6 △ (Cp)					
C-4 202.13	Quartz vein	Oy	0.005 *		0.01×0.02 *	1.2×1.3 ○ E~S (Tr, Gn, Cp)		0.07×0.3 * (Py) (Gn, Cp)					F/I
C-4 244.64	Quartz vein	Oy	0.04 *	0.2×0.3 * (Cp)	0.1×0.2 *	○ S~A (Cp, Sp, Gn)					*	○	
C-5 74.50	Quartz vein	Oy	0.002×0.03 * (Sp)	v.1 ○ (Cp, Tr)		○ E~S		0.003×0.04 * (Sp)					F/I, T
C-5 123.00	Quartz vein	Oy	0.06 *			○ (Gn, Tr)		0.07×0.3 * (Py, Cp, Gn)					
C-5 123.45	Quartz vein	Oy	0.003×0.004 *			○ A Ag (Tr)		0.01 *					F/I
C-6 97.20	Quartz vein	Oy	0.9×1.2 * (Sp)	0.6×0.7 ○ (Cp, Gn)	0.1×0.2 * (Sp)	○ (Cp)							F/I
C-6 156.60	Quartz vein	Oy	0.1×0.2 *	0.1×0.2 * (Py)		○ S		0.01×0.06 (Py, Cp, Gn)					T, X
C-6 159.00	Quartz vein	Oy	0.003 * (Py, Sp)	0.03×0.04 * (Py) (Cp)	0.02×0.03 * (Py) (Sp)	0.3 ○ (Py, Sp, Gn, Cp)							F/I
Jhuamarca Area Drilling Core Samples													
J-5 3.10	Sil breccia	Po	0.02 * (Sp)	1.4 △ (Cp)		○ E, s, A; l		0.03 ○ E~S				○ A	X
J-7 87.40	Sil lp-tf	Po	0.06 * (Sp, Gn)	○ (Cp, Gn)	0.4×0.5 * (Cp)	△		0.2×0.3 △ (Py, Gn)					X
J-8 31.05	Sil tf-bre	Po		0.07 *		1.7 ○ E (Sp, Tr)		0.1×0.2 * (Py)		0.01 △ Co-Py	0.005 *	△ in Cav(?)	X
J-8 68.45	Quartz vein	Po		0.2 △ (Py, Tr)	0.11 * (Tr)	○ (Sp, Tr)		v.1 ○ (Sp, Gn, Py)					X
J-13 18.35	Sil tf-bre	Po	0.17 *	0.1×0.2 △ (Tr)	0.03 * (Tr)	○		0.5×0.6 ○ (Sp, Cp, Gn)		0.01 * → Tr			X
Jhuamarca Area Surface Samples													
R-83001	Sil breccia	Po		1.4 ○ A (Tr)		0.03 ○ E~S (Tr)	0.07 * (Py, Sp)			*	0.02 △ Co-Py, Sp		
T102	Massive sulfide ore	Po	*	v.1 ○ (Py)	0.001 * (Sp)	0.05 ○ E~S (Sp, Tr)	0.2×0.4 △ (Py)			0.01 * → Tr			X

○:abundant ○:common △:few *:rare

0.2×0.5 : maximum size (mm)

Abbreviations Asp:arsenopyrite, Cc:calcocite, Cp:chalcopyrite, Cv:covellite, Gd:gold, Gn:galena, Gt:goethite, Hem:hematite, Py:pyrite, Sp:spalerite, Tr:tetrahedrite
 A:anhedral, Ag:aggregate, Cav:cavity, Co:coating over, E:euohedral, l:large, S:subhedral, s:small, v:very, ():occurs only in inclusions,
 [] :bearing as inclusions, +:altered from Sil: silicified, lp:lapilli, tf:tuff, bre:breccia, Oy:oyotun, Po:poruculla
 F/I:fluid inclusion examined, T:thin section observed, X:x-ray diffraction examined

Apx. 7 Microscopic Photographs of Polished Sections

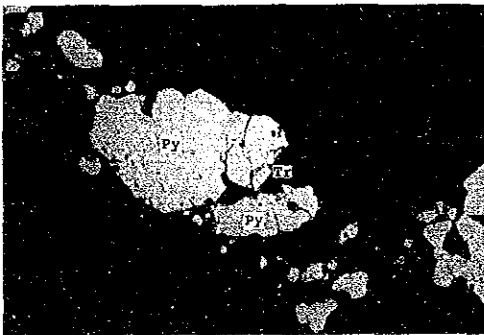
Asp : arsenopyrite
Au : native gold
Cc : chalcocite
Cp : chalcopyrite
Cv : covellite
Gn : galena
Py : pyrite
Sp : sphalerite
Tr : tetrahedrite



Sample No. C-1 52.60 (1)
Chontali Area
Quartz vein



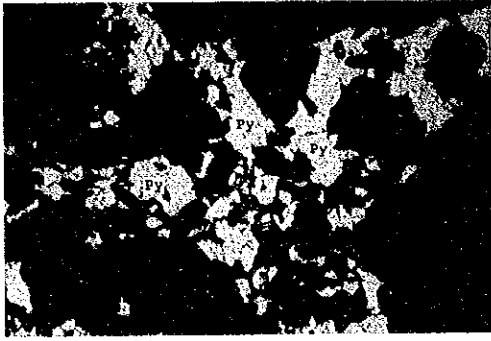
Sample No. C-1 52.60 (2)
Chontali Area
Quartz vein



Sample No. C-1 130.40
Chontali Area
Quartz vein

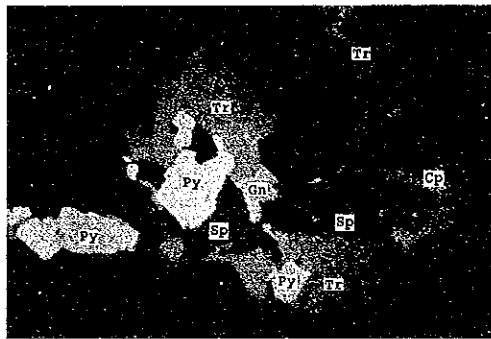


Sample No. C-1 146.40
Chontali Area
Quartz vein



0 0.2mm

Sample No. C-2 59.60
Chontali Area
lapilli tuff with Quartz vein



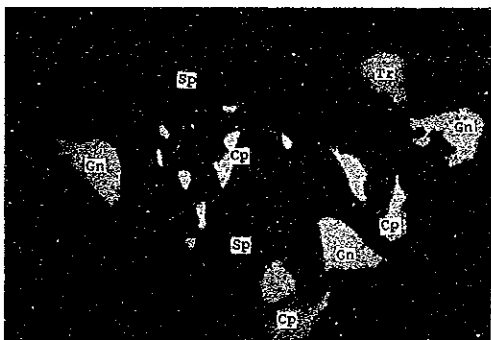
0 0.05mm

Sample No. C-2 194.50
Chontali Area
Quartz vein



0 0.05mm

Sample No. C-3 203.84
Chontali Area
Quartz vein

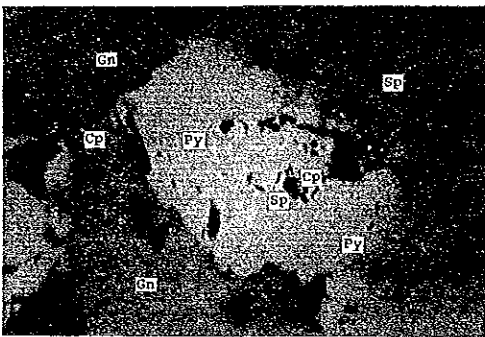


0 0.05mm

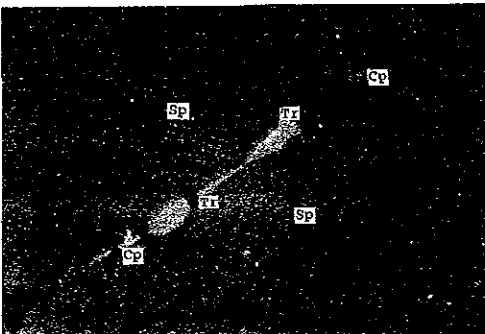
Sample No. C-3 204.15
Chontali Area
Quartz vein



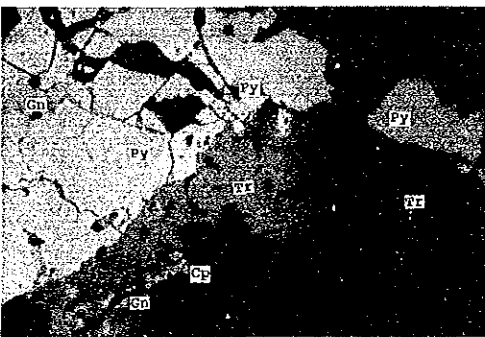
Sample No. C-4 202.13
Chontali Area
Quartz net vein



Sample No. C-4 244.64
Chontali Area
Quartz vein



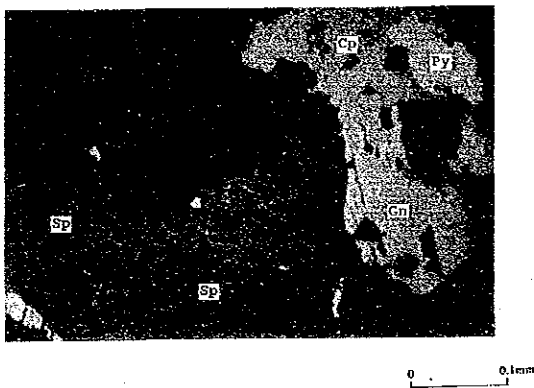
Sample No. C-5 74.50
Chontali Area
Quartz vein



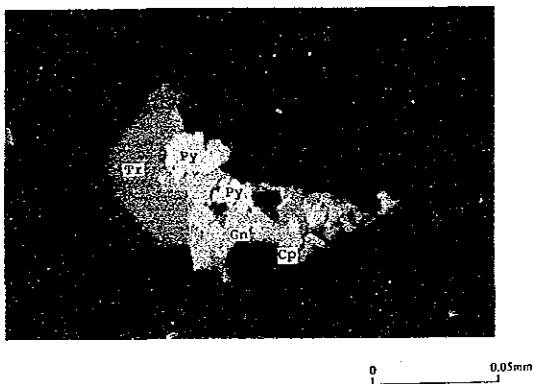
Sample No. C-5 123.00
Chontali Area
Quartz vein



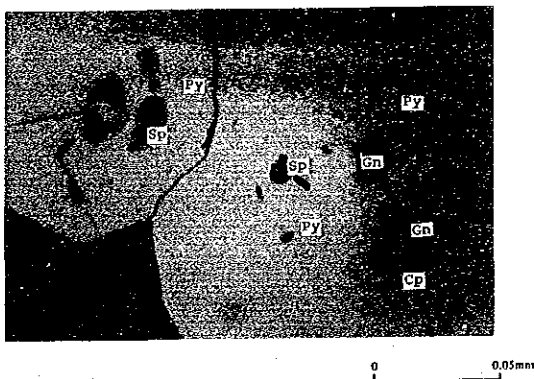
Sample No. C-5 123.45
Chontali Area
Quartz vein



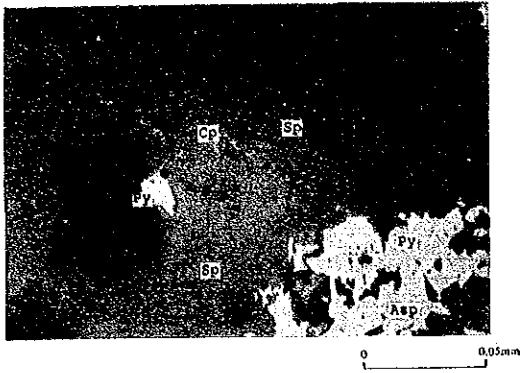
Sample No. C-6 97.20
Chontali Area
Quartz vein



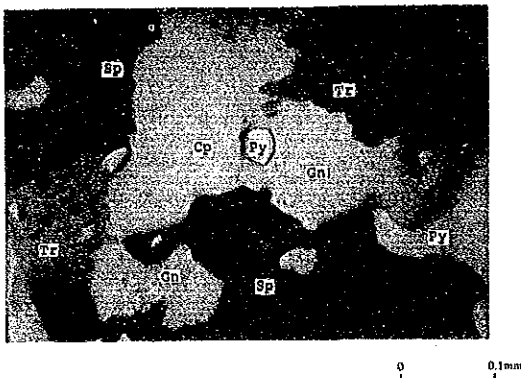
Sample No. C-6 156.60
Chontali Area
Quartz vein



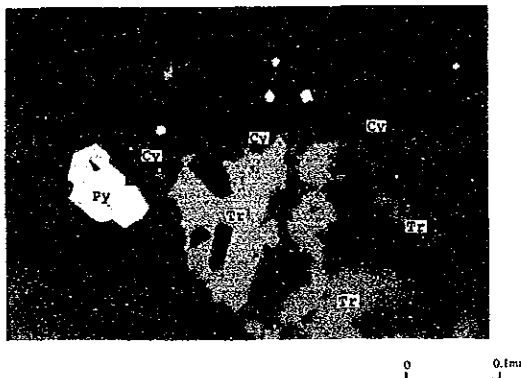
Sample No. C-6 159.00
Chontali Area
Quartz vein



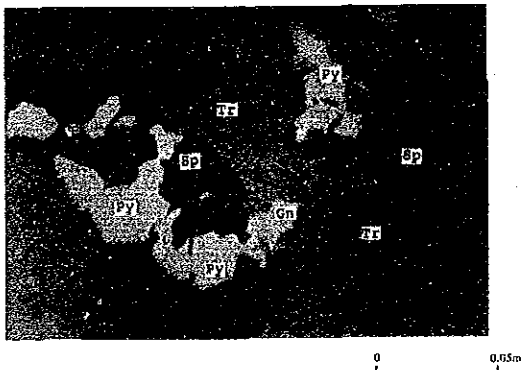
Sample No. J-5 3.10
 Jehuamarca Area
 Silicified breccia



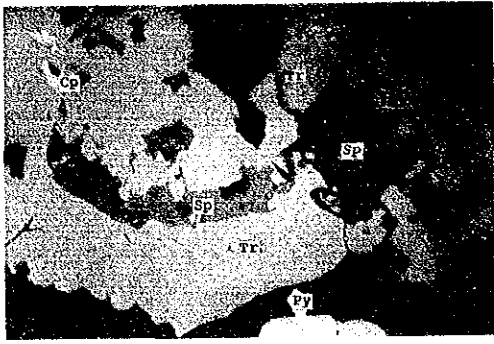
Sample No. J-7 87.40
 Jehuamarca Area
 Silicified lapilli tuff



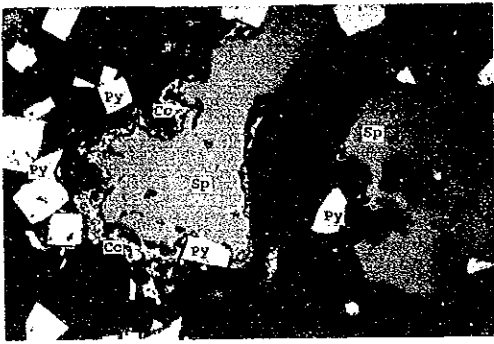
Sample No. J-8 31.05
 Jehuamarca Area
 Silicified tuff breccia



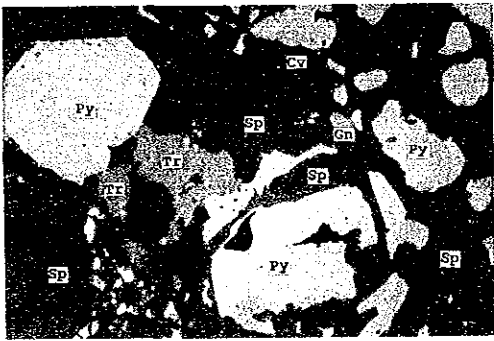
Sample No. J-8 68.45
 Jehuamarca Area
 Quartz vein



Sample No. J-13 18.35
Jhuamarca Area
Silicified tuff breccia



Sample No. R-83001
Jhuamarca Area
Silicified breccia



Sample No. T102
Jhuamarca Area
Massive sulfide ore

Apx. 8 Assay Results of Drilling Core in the Chontali Area

Apx.8 Assay Results of Drilling Core in Chontali Area

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)
MJPC-1	28.65 ~ 29.90	1.25	wk limo net sil lp tf	0.75	4.5
	33.40 ~ 34.15	0.75	wk limo net sil arg lp tf	0.65	3.5
	42.65 ~ 43.85	1.20	limo dr qtz v	0.25	4.5
	43.85 ~ 45.40	1.55	sil arg lp tf w/qtz vlet	0.20	5.0
	45.40 ~ 46.70	1.30	"	0.10	3.0
	average	2.85		0.15	4.1
	average	4.05		0.18	4.2
	52.45 ~ 52.70	0.25	qtz v	3.65	11.5
	72.60 ~ 72.85	0.25	"	0.05	3.0
	77.20 ~ 77.90	0.70	sil lp tf w/qtz net	0.10	5.5
	94.25 ~ 94.50	0.25	qtz v	0.30	4.5
	99.95 ~ 100.30	0.35	gray-black clay bre sheared	nd	4.5
	100.30 ~ 100.75	0.45	qtz v	0.90	7.5
	100.75 ~ 101.90	1.15	sil arg lp tf	tr	1.5
	101.90 ~ 102.85	0.95	"	nd	1.5
	102.85 ~ 104.20	1.35	qtz v	2.05	13.5
	104.20 ~ 105.70	1.50	sil arg lp tf w/qtz v, vlet	nd	7.5
	average	5.75		0.55	6.5
	117.55 ~ 118.00	0.45	qtz v	1.40	44.5
	118.00 ~ 118.65	0.65	sil arg lp tf w/qtz vlet net	1.50	6.5
	average	1.10		1.46	22.0
	128.95 ~ 129.70	0.75	sil arg lp tf	0.70	14.5
	129.70 ~ 130.80	1.10	qtz v	0.55	22.0
	130.80 ~ 131.90	1.10	"	0.45	9.5
	131.90 ~ 133.30	1.40	"	2.65	35.0
	average	3.60		1.34	23.2
	133.30 ~ 133.90	0.60	sil arg lp tf	0.25	4.0
	133.90 ~ 134.40	0.50	qtz v	1.60	5.0
	average	4.70		1.23	18.8
	average	5.45		1.15	18.2
145.95 ~ 146.40	0.45	sil arg lp tf w/qtz net	0.10	5.0	
146.40 ~ 147.35	0.95	qtz v	1.05	41.5	
147.35 ~ 148.20	0.85	"	0.15	12.0	
148.20 ~ 149.00	0.80	"	nd	22.5	
149.00 ~ 149.55	0.55	sil arg lp tf w/qtz net	2.50	3.5	
average	3.15		0.79	22.1	
average	3.15		0.79	22.1	
MJPC-2	56.40 ~ 57.40	1.00	sil arg lp tf w/qtz v, vlet	0.40	2.0
	57.40 ~ 57.95	0.55	"	0.75	2.5
	average	1.55		0.52	2.2
	57.95 ~ 58.30	0.35	qtz v	5.75	4.5
	58.30 ~ 59.10	0.80	sil arg lp tf w/qtz v, vlet	0.45	1.5
	59.10 ~ 60.05	0.95	"	1.70	13.5
	60.05 ~ 60.75	0.70	"	1.80	1.5
	60.75 ~ 61.50	0.75	sil arg lp tf w/qtz v, py	1.70	6.0
	average	3.20		1.41	6.1
	average	3.55		1.84	6.0
	average	5.10		1.44	4.8
	100.00 ~ 100.80	0.80	qtz v net most abundant zone	3.20	2.5
	100.80 ~ 101.50	0.70	sil arg lp tf	tr	1.5
101.50 ~ 101.80	0.30	qtz v(15cm), qtz vlet-net	nd	9.0	
average	1.80		1.42	3.2	

nd: not detected, tr: trace
 abbreviation arg: argillized, bre: breccia, brecd: brecciated, dr: drusy,
 hem: hematite, limo: limonitized, lp: lapilli,
 net: network, py: pyrite, qtz: quartz, sil: silicified, st: strongly
 tf: fuff, v: vein, vlet: veinlet, wk: weak, w/: with

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)
MJPC-2	116.30 ~ 117.35	1.05	qtz net bearing brecc zone	1.05	9.5
	175.60 ~ 176.45	0.85	qtz v-vlet most abundant zone	0.25	4.5
	178.15 ~ 178.95	0.80	qtz brecc v, sil arg lp tf	0.50	4.0
	178.95 ~ 179.80	0.85	qtz brecc v, qtz v-vlet net	0.45	2.5
	179.80 ~ 180.70	0.90	sil arg lp tf w/qtz-py v	0.25	2.0
	180.70 ~ 180.90	0.20	qtz brecc v w/Fe qtz	1.15	7.0
	average	2.75		0.45	3.1
	183.65 ~ 184.00	0.35	qtz v	0.15	2.5
	186.80 ~ 187.60	0.80	qtz v, qtz net v zone	0.55	3.0
	187.60 ~ 188.20	0.60	sil arg lp tf	0.80	3.0
	188.20 ~ 189.00	0.80	qt v	0.10	3.0
	average	2.20		0.45	3.0
	189.00 ~ 190.35	1.35	sil arg lp tf w/qtz v-vlet net	0.05	2.0
	190.35 ~ 191.65	1.30	"	0.20	1.5
	191.65 ~ 192.40	0.75	"	nd	1.5
	192.40 ~ 193.50	1.10	"	0.55	16.5
	average	4.50		0.21	5.3
	193.50 ~ 194.15	0.65	qtz v	1.40	41.5
	194.15 ~ 194.80	0.65	"	1.35	35.5
	average	1.30		1.38	38.5
	average	8.00		0.47	10.1
	194.80 ~ 195.50	0.70	sil arg tf bre w/qtz v, vlet	0.30	6.0
	195.50 ~ 196.60	1.10	"	0.30	6.5
	average	1.80		0.30	6.3
	average	9.80		0.43	9.4
	208.65 ~ 209.00	0.35	qtz v	0.45	14.5
	230.80 ~ 231.30	0.50	arg sil lp tf partly brecc,	0.20	4.0
	231.30 ~ 232.40	1.10	qrz v-vlet net, qtz-clay	nd	2.5
	232.40 ~ 233.50	1.10	net v	0.35	5.5
	average	2.70		0.18	4.0
	242.50 ~ 243.15	0.65	qtz v(fine qtz vlet net)	0.65	18.0
	243.15 ~ 244.00	0.85	sil arg lp tf	tr	3.0
	244.00 ~ 244.90	0.90	qtz v(fine qtz vlet net)	0.50	18.5
average	2.40		0.36	12.9	
244.90 ~ 246.00	1.10	sil arg lp tf w/qtz vlet net	0.25	5.5	
average	3.50		0.33	10.6	
MJPC-3	41.10 ~ 42.40	1.30	limo qtz v partly dr	0.70	14.0
	42.40 ~ 43.60	1.20	sil arg lp tf	0.40	4.5
	43.60 ~ 43.95	0.35	limo qtz net v	3.00	2.5
	43.95 ~ 44.85	0.90	arg lp tf	0.65	9.0
	44.85 ~ 45.10	0.25	wk limo dr qtz v	2.40	22.0
	average	4.00		0.91	9.5
	59.55 ~ 60.30	0.75	fault bre (qtz, sil rock bre)	0.65	9.0
	63.30 ~ 64.10	0.80	wk limo dr qtz v	2.40	22.0
	91.20 ~ 91.65	0.45	qtz v15cm/qtz vlet net zone30cm	0.95	10.5
	133.00 ~ 133.50	0.50	wk limo qtz v partly dr	0.30	20.5
	148.75 ~ 150.00	1.25	qtz v partly dr	1.20	37.0
	150.00 ~ 151.00	1.00	sil tf bre w/qtz vlet	1.15	9.0
	151.00 ~ 152.00	1.00	"	0.65	7.5
	152.00 ~ 153.00	1.00	"	0.80	9.0
	average	3.00		0.87	8.5
	average	4.25		0.96	16.9
	167.80 ~ 168.86	1.06	qtz bre (fault bre)	0.55	2.5
	168.86 ~ 169.85	0.99	"	0.45	10.0
	169.85 ~ 171.00	1.15	"	0.45	4.5
	average	3.20		0.48	5.5
	171.00 ~ 172.40	1.40	sil arg tf bre	0.25	3.0
172.40 ~ 173.05	0.65	qtz v	0.35	4.5	
average	2.05		0.28	3.5	
average	5.25		0.40	4.7	

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)
MJPC-3	180.10 ~ 180.80	0.70	brecc qtz net w/gray clay	0.95	4.0
	184.25 ~ 184.50	0.25	qtz v	0.55	6.0
	199.70 ~ 200.65	0.95	bre w/qtz matrix	0.50	2.0
	200.65 ~ 201.60	0.95	"	0.45	2.0
	201.60 ~ 202.55	0.95	"	1.00	6.0
	202.55 ~ 203.50	0.95	"	0.70	3.0
	average	3.80		0.66	3.3
	203.50 ~ 204.50	1.00	qtz v partly dr&bre	2.95	44.5
	204.50 ~ 205.50	1.00	"	1.65	20.0
	205.50 ~ 206.50	1.00	"	0.25	79.0
	206.50 ~ 207.20	0.70	"	1.70	59.0
	average	3.70		1.47	49.9
	average	7.50		1.06	26.3
	207.20 ~ 208.20	1.00	sil lp tf partly gray qrz net	0.15	1.5
	208.20 ~ 209.10	0.90	"	0.10	3.5
	209.10 ~ 209.30	0.20	fault bre	0.10	3.0
	average	2.10		0.12	2.5
average	9.60		0.86	21.1	
219.95 ~ 221.10	1.15	qtz v	1.35	35.5	
MJPC-4	58.20 ~ 58.90	0.70	dr qtz v partly limo	0.10	14.5
	58.90 ~ 60.35	1.45	sil arg lp tf	1.00	13.5
	average	2.15		0.71	13.8
	65.23 ~ 67.15	1.92	fault b w/ qtz bre	tr	5.0
	82.70 ~ 83.15	0.45	sil tf bre w/qtz net	0.30	10.5
	91.30 ~ 92.00	0.70	qtz v	0.75	14.5
	92.00 ~ 92.65	0.65	sil arg tf bre w/qtz vlet net	0.30	7.0
	average	1.35		0.53	10.9
	126.90 ~ 127.15	0.25	dr qtz-calcite v	0.90	29.0
	128.30 ~ 128.50	0.20	calcite-qtz v	0.50	16.5
	200.60 ~ 201.10	0.50	qtz net v	0.75	14.0
	201.10 ~ 201.95	0.85	sil arg lp tf	0.50	4.5
	201.95 ~ 202.90	0.95	qtz net v	0.75	13.5
	average	2.30		0.66	10.3
	242.55 ~ 243.85	1.30	sil arg tf bre	0.10	3.0
	243.85 ~ 244.80	0.95	qtz v	0.35	10.5
	244.80 ~ 246.40	1.60	sil arg hem net tf bre	0.20	3.5
	average	3.85		0.20	5.1
	252.20 ~ 253.15	0.95	qtz vlet net zone (fault bre)	0.25	10.0
	261.70 ~ 262.70	1.00	fault bre	0.10	3.5
	262.70 ~ 263.70	1.00	"	0.10	2.5
	263.70 ~ 264.70	1.00	"	0.25	2.5
	264.70 ~ 265.70	1.00	"	0.25	3.0
	265.70 ~ 266.70	1.00	"	0.35	3.5
	266.70 ~ 267.70	1.00	"	0.10	3.0
	267.70 ~ 268.70	1.00	"	0.10	3.5
	268.70 ~ 269.70	1.00	"	0.10	3.0
269.70 ~ 270.85	1.15	"	0.20	2.5	
average	9.15		0.17	3.0	
274.40 ~ 274.80	0.40	qtz v	0.20	10.0	
278.70 ~ 278.93	0.23	qtz v	0.10	8.0	
MJPC-5	4.15 ~ 5.30	1.15	limo dr qtz v	1.15	9.5
	19.40 ~ 19.60	0.20	qtz v partly dr	1.05	22.5
	31.75 ~ 32.40	0.65	qtz v	0.90	35.5
	46.80 ~ 47.05	0.25	qtz v	1.35	8.0

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)
MJPC-5	51.00 ~ 51.20	0.20	qtz v	0.25	9.0
	69.60 ~ 70.15	0.55	qtz v	0.18	6.0
	74.40 ~ 74.70	0.30	dr qtz v	2.30	7.5
	76.90 ~ 77.10	0.20	qtz v	0.10	4.0
	77.10 ~ 78.15	1.05	sil lp tf w/ qtz vlet	0.20	3.0
	78.15 ~ 78.35	0.20	qtz v partly dr	0.60	9.0
	78.35 ~ 79.00	0.65	sil lp tf w/ qtz vlet	0.25	2.0
	79.00 ~ 79.30	0.30	qtz v	0.15	5.5
	79.30 ~ 79.85	0.55	sil lp tf w/ qtz vlet	0.10	1.5
	79.85 ~ 80.45	0.60	qtz v w/py stringer	2.00	25.5
	average	3.55		0.51	7.0
	121.45 ~ 122.60	1.15	qtz v partly dr	2.05	66.0
	122.60 ~ 123.75	1.15	"	1.25	41.0
	average	2.30		1.65	53.5
123.75 ~ 125.30	1.55	qtz v-vlet net	0.85	4.5	
average	3.85		1.33	33.8	
MJPC-6	23.80 ~ 24.36	0.56	qtz v partly dr	3.45	26.0
	53.25 ~ 53.80	0.55	crushed qtz v	0.70	6.5
	61.90 ~ 62.45	0.55	blackish bre w/qtz net	0.35	16.0
	62.45 ~ 63.30	0.85	blackish bre w/qtz vlet net	0.80	4.5
	63.30 ~ 64.20	0.90	"	nd	5.0
	64.20 ~ 65.20	1.00	blackish bre w/qtz net	0.15	5.5
	65.20 ~ 66.20	1.00	"	0.75	8.5
	average	4.30		0.41	7.2
	70.30 ~ 71.00	0.70	crushed qtz v	0.55	22.5
	91.20 ~ 91.40	0.20	qtz v	0.20	12.5
	97.05 ~ 97.32	0.27	qtz v	0.40	12.5
	119.10 ~ 119.50	0.40	sil lp tf w/qtz net w/barite	0.10	2.5
	120.80 ~ 122.00	1.20	qtz v abundant sheared zone	0.55	5.0
	127.10 ~ 127.82	0.72	qtz v partly dr w/py	0.70	6.5
	129.42 ~ 129.67	0.25	breed qtz v	0.25	2.0
	136.30 ~ 136.60	0.30	qtz v	0.20	14.5
	156.35 ~ 157.05	0.70	gray qtz w/white qtz vlet net	1.10	28.5
	157.05 ~ 158.20	1.15	qtz v partly dr	0.60	22.5
	158.20 ~ 159.33	1.13	"	1.70	45.5
	159.33 ~ 160.14	0.81	"	0.50	26.0
	160.14 ~ 160.85	0.71	"	0.95	18.0
	average	4.50		0.99	29.1
	210.30 ~ 210.60	0.30	qtz v	0.25	6.5
	210.60 ~ 211.50	0.90	fault bre w/qtz vnet	0.80	23.0
average	1.20		0.66	18.9	
211.50 ~ 212.70	1.20	sil tf bre w/qtz vlet net	0.20	2.5	
212.70 ~ 213.95	1.25	"	tr	2.5	
213.95 ~ 214.90	0.95	bre w/qtz v net	0.30	4.0	
average	3.40		0.15	2.9	
average	4.60		0.29	7.1	

Apx. 9 Assay Results of Drilling Core in the Jehuamaca Area

Apx. 9 Assay Results of Drilling Core in Jehuamarca Area

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
MJPJ-4	77.70 ~ 78.00	0.30	compact qtz v	0.35	14.0	tr	0.21	0.55
	78.00 ~ 79.20	1.20	sil arg tf	0.55	7.5	tr	0.29	0.21
	79.20 ~ 80.40	1.20	"	0.25	5.5	tr	0.18	0.11
	80.40 ~ 81.60	1.20	"	0.60	5.0	tr	0.17	0.65
	average	3.60		0.47	6.0	tr	0.21	0.32
	average	3.90		0.46	6.6	tr	0.21	0.34
MJPJ-5	0.00 ~ 1.00	1.00	wk limo bre dr sil	0.20	8.0	tr	0.40	0.57
	1.00 ~ 2.00	1.00	"	0.60	10.5	0.02	0.47	0.22
	2.00 ~ 3.00	1.00	"	0.55	6.0	tr	0.34	0.01
	3.00 ~ 4.05	1.05	bre dr sil	0.50	29.5	0.01	0.25	2.23
	average	4.05		0.46	13.7	0.01	0.36	0.78
	7.95 ~ 9.00	1.05	dr qtz vlet net sil tf	0.50	17.5	0.01	0.23	0.35
	9.00 ~ 10.05	1.05	"	0.15	16.0	0.05	0.15	0.37
	10.05 ~ 11.50	1.45	arg chl lp tf	0.85	22.5	0.01	0.41	0.61
	average	3.55		0.54	19.1	0.02	0.28	0.46
	87.90 ~ 88.70	0.80	sil arg lp tf	nd	25.0	tr	0.07	0.44
	88.70 ~ 90.30	1.60	sil tf	nd	47.5	tr	0.08	0.25
	90.30 ~ 91.30	1.00	sil arg tf	0.90	95.0	tr	0.69	2.27
	91.30 ~ 92.30	1.00	chl tf	0.25	9.0	tr	0.03	0.12
	92.30 ~ 93.55	1.25	chl tf	0.10	5.0	tr	0.01	0.10
	93.55 ~ 94.80	1.25	chl tf	0.20	16.5	tr	0.01	0.08
94.80 ~ 96.25	1.45	arg tf	nd	3.5	tr	0.00	0.06	
average	8.35		0.18	27.8	tr	0.11	0.41	
MJPJ-6	0.00 ~ 1.00	1.00	wk limo dr sil	0.05	3.0	tr	0.02	0.01
	1.00 ~ 2.10	1.10	"	0.15	3.5	0.01	0.04	0.01
	2.10 ~ 3.20	1.10	wk lomo dr bre sil	0.35	10.0	0.01	0.02	0.01
	3.20 ~ 3.90	0.70	limo dr bre sil	0.40	5.5	0.02	0.12	0.01
	3.90 ~ 5.15	1.25	med limo dr bre sil	0.25	3.0	0.01	0.01	0.00
	5.15 ~ 6.10	0.95	"	0.60	17.5	0.01	0.01	0.00
	average	6.10		0.29	6.9	0.01	0.03	0.01
	6.10 ~ 6.60	0.50	limo tf	1.50	8.5	0.04	0.04	0.01
	6.60 ~ 7.65	1.05	st limo dr bre sil	3.45	269.0	0.06	0.07	0.02
	7.65 ~ 10.20	2.55	limo gos dr sil	2.40	59.5	0.07	0.07	0.02
	10.20 ~ 11.80	1.60	limo arg dr bre sil	1.00	33.0	0.04	0.08	0.02
	11.80 ~ 12.85	1.05	"	0.15	6.0	0.03	0.06	0.02
	average	6.75		1.81	73.7	0.05	0.07	0.02
	average	12.85		1.09	42.0	0.03	0.05	0.01
	12.85 ~ 13.95	1.10	arg chl sil lp tf	0.35	44.5	0.21	0.51	0.62
	13.95 ~ 15.55	1.60	chl lp tf	0.70	34.0	0.02	2.03	3.67
	15.55 ~ 16.90	1.35	arg chl sil lp tf	0.05	11.5	tr	0.51	0.73
	16.90 ~ 18.30	1.40	"	nd	3.5	tr	0.13	0.09
	18.30 ~ 19.40	1.10	"	0.05	3.5	tr	0.10	0.08
19.40 ~ 20.45	1.05	"	0.05	2.0	tr	0.07	0.02	
average	7.60		0.22	17.1	0.03	0.64	1.02	
average	20.45		0.77	32.7	0.03	0.27	0.39	

nd: not detected, tr: trace

abbreviation arg: argillized, bre: breccia, bre: brecciated, chl: chloritized, dr: drusy, gn: galena, gos: gossan, limo: limonitized, lp: lapilli, med: medium, net: network, py: pyrite, qtz: quartz, sh: shale, sil: silicified, sp: sphalerite, st: strong, tf: tuff, v: vein, vlet: veinlet, weath: weathered, wk: week, w/: with.

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
MJPJ-7	0.00 ~ 1.25	1.25	dr bre sil	0.05	4.5	tr	0.25	0.01
	79.80 ~ 80.75	0.95	arg sil csg tf	0.35	18.5	tr	0.14	0.58
	80.75 ~ 81.75	1.00	"	nd	32.5	tr	0.11	0.49
	average	1.95		0.17	25.7	tr	0.12	0.53
	81.75 ~ 83.05	1.30	arg tf	0.55	223.5	0.03	0.18	0.18
	83.05 ~ 84.40	1.35	qtz v(0.60m) & fault bre	0.60	236.0	0.06	0.13	0.31
	84.40 ~ 85.60	1.20	sil arg lp tf w/sp,py vlet	0.80	205.5	0.06	0.10	0.41
	average	3.85		0.65	222.3	0.05	0.13	0.30
	85.60 ~ 86.80	1.20	"	0.15	19.0	0.02	0.10	0.80
	86.80 ~ 88.00	1.20	"	0.05	66.5	0.07	0.78	2.04
	88.00 ~ 89.20	1.20	"	0.05	12.0	0.01	0.42	1.12
	89.20 ~ 90.40	1.20	"	0.05	10.5	0.01	0.22	0.60
	90.40 ~ 91.60	1.20	"	0.10	18.0	tr	0.44	1.20
	91.60 ~ 92.80	1.20	"	0.80	14.5	tr	0.34	0.54
	92.80 ~ 94.00	1.20	"	nd	13.5	tr	0.11	0.30
	94.00 ~ 95.20	1.20	"	nd	7.0	tr	0.13	0.40
	95.20 ~ 96.40	1.20	"	0.45	7.0	tr	0.25	0.61
	96.40 ~ 97.60	1.20	"	0.15	80.5	0.01	0.34	0.99
	97.60 ~ 98.80	1.20	"	0.30	17.0	tr	0.20	0.32
	98.80 ~ 100.00	1.20	"	nd	14.0	0.01	0.28	0.53
average	14.40		0.18	23.3	0.01	0.30	0.79	
average	20.20		0.14	19.1	0.01	0.23	0.61	
MJPJ-8	28.90 ~ 29.65	0.75	bre sil	0.75	23.5	1.23	0.11	0.44
	29.65 ~ 30.75	1.10	arg sil lp tf-tf alternation	0.25	74.5	0.04	0.06	0.03
	30.75 ~ 31.75	1.00	sil arg tf breccia	0.70	11.5	0.26	0.20	0.32
	31.75 ~ 33.30	1.55	"	0.45	7.5	0.07	0.39	0.55
	33.30 ~ 34.90	1.60	"	0.75	19.0	0.27	0.71	1.71
	34.90 ~ 36.20	1.30	"	0.65	5.5	0.11	0.37	0.43
	36.20 ~ 36.80	0.60	"	5.25	49.5	0.42	0.70	1.60
	average	7.15		0.96	24.1	0.17	0.41	0.76
	average	7.90		0.94	24.0	0.27	0.38	0.73
	65.65 ~ 66.40	0.75	sil chl lp tf	0.20	20.0	0.02	0.09	1.96
	66.40 ~ 67.40	1.00	"	0.35	36.5	0.05	0.12	1.05
	67.40 ~ 68.10	0.70	sil chl & sil lp tf	0.15	13.0	0.02	0.07	0.11
	average	2.45		0.25	24.7	0.03	0.10	1.06
	68.10 ~ 68.40	0.30	qtz v	2.80	1065.0	5.11	0.99	9.22
	68.40 ~ 69.25	0.85	sil arg lp tf	0.90	264.0	1.67	0.17	1.10
	average	1.15		1.40	473.0	tr	0.38	3.22
	average	3.60		0.61	167.9	0.02	0.19	1.75
96.60 ~ 97.00	1.20	sil arg lp tf	0.25	8.0	0.02	0.07	0.15	
97.00 ~ 99.00	1.20	"	0.05	6.0	0.01	0.04	0.12	
99.00 ~ 100.00	1.00	"	0.05	6.0	0.01	0.04	0.13	
average	3.40		0.12	6.7	0.01	0.05	0.13	
MJPJ-9	21.10 ~ 22.00	0.90	sil arg lp tf	0.25	13.0	tr	0.48	1.12
	22.00 ~ 23.00	1.00	"	0.65	20.0	0.01	1.12	2.75
	23.00 ~ 24.00	1.00	"	0.55	14.5	tr	0.53	1.40
	24.00 ~ 25.00	1.00	"	0.05	9.5	tr	0.19	0.45
	25.00 ~ 26.05	1.05	"	0.45	8.0	tr	0.08	0.23
	26.05 ~ 27.10	1.05	"	0.15	8.0	tr	0.18	0.51
	27.10 ~ 28.30	1.20	"	0.40	9.0	tr	0.36	0.87
	average	7.20		0.36	11.6	tr	0.41	1.03
	92.90 ~ 94.00	1.10	sil arg tf-tf sh alternation	nd	6.5	tr	0.29	1.06
	94.00 ~ 95.10	1.10	"	0.05	8.0	tr	0.41	1.30
	95.10 ~ 96.05	0.95	"	0.05	6.0	tr	0.02	1.02
96.05 ~ 97.10	1.05	chl lp tf	0.05	7.0	tr	0.31	1.06	
average	4.20		0.04	6.9	tr	0.27	1.11	

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
MJPJ-10	25.40 ~ 26.45	1.05	qtz v	0.05	39.5	0.03	0.05	0.03
	26.45 ~ 27.20	0.75	"	0.15	93.5	0.03	0.08	0.02
	average	1.80		0.09	62.0	0.03	0.06	0.02
	27.20 ~ 27.95	0.75	arg sil tf bre (fault bre)	0.40	48.0	0.90	0.03	0.76
	27.95 ~ 29.05	1.10	"	0.55	11.0	0.20	0.03	0.15
	29.05 ~ 29.95	0.90	"	0.10	8.5	0.20	0.02	0.29
	average	2.75		0.36	20.3	0.39	0.03	0.36
	29.95 ~ 30.75	0.80	arg sil lp tf	nd	9.5	0.15	0.02	0.21
	30.75 ~ 31.55	0.80	"	0.10	6.0	0.07	0.07	0.63
	31.55 ~ 32.55	1.00	sil arg lp tf py-sp stringer	0.50	4.5	0.19	0.06	1.69
	32.55 ~ 33.55	1.00	"	0.10	4.5	0.02	0.14	2.68
	33.55 ~ 34.55	1.00	"	0.15	4.0	0.19	0.14	1.60
	34.55 ~ 35.55	1.00	"	0.10	3.0	0.10	0.21	1.72
	35.55 ~ 36.55	1.00	"	0.20	1.5	0.02	0.13	3.49
	36.55 ~ 37.55	1.00	"	0.05	2.0	0.01	0.10	2.73
	37.55 ~ 38.55	1.00	"	0.05	3.0	0.02	0.26	3.87
	38.55 ~ 39.60	1.05	"	0.10	4.0	0.02	0.42	3.78
	39.60 ~ 40.75	1.15	"	0.05	6.5	0.02	0.40	1.96
	40.75 ~ 41.40	0.65	sil lp tf	0.10	6.5	0.01	0.09	0.69
	41.40 ~ 42.40	1.00	sil arg lp tf py-sp stringer	0.25	6.0	0.02	0.12	4.89
	42.40 ~ 43.40	1.00	"	0.05	6.5	0.01	0.10	4.98
	43.40 ~ 44.40	1.00	"	nd	10.5	0.01	1.14	2.79
	44.40 ~ 45.40	1.00	"	0.15	7.0	0.01	0.77	2.06
45.40 ~ 46.40	1.00	"	0.05	6.0	0.00	0.56	1.21	
46.40 ~ 47.20	0.80	"	0.10	6.5	tr	0.45	1.44	
average	17.25		0.12	5.3	0.05	0.30	2.45	
average	20.00		0.15	7.4	0.10	0.26	2.16	
average	21.80		0.15	11.9	0.09	0.24	1.98	
MJPJ-11	29.15 ~ 30.40	1.25	sil tf	0.45	15.0	0.01	0.25	0.70
	65.70 ~ 66.70	1.00	sil lp tf	nd	8.5	0.01	0.04	1.23
	66.70 ~ 67.70	1.00	"	0.65	47.0	0.13	0.18	2.17
	67.70 ~ 68.35	0.65	"	0.60	24.0	0.06	0.43	1.52
	average	2.65		0.39	26.8	0.07	0.19	1.65
	71.60 ~ 72.65	1.05	qtz concentrated zone	0.95	45.4	0.19	0.08	0.06
	72.65 ~ 73.50	0.85	"	0.60	46.5	0.27	0.07	0.09
	73.50 ~ 75.10	1.60	"	0.05	89.5	0.17	0.03	0.16
	75.10 ~ 76.15	1.05	"	0.30	29.5	0.14	0.04	0.10
average	4.55		0.42	57.4	0.19	0.05	0.11	
MJPJ-12	1.00 ~ 2.50	1.50	weathered lp tf	0.95	8.0	0.01	0.04	0.01
	2.50 ~ 4.25	1.75	limo bre sil partly dr	0.45	60.0	0.01	0.22	0.01
	4.25 ~ 5.55	1.30	"	0.65	26.5	0.01	1.01	0.01
	5.55 ~ 7.25	1.70	"	0.45	29.5	0.01	0.41	0.01
	7.25 ~ 8.05	0.80	"	0.45	36.0	0.00	0.16	0.01
	8.05 ~ 9.50	1.45	"	0.10	14.0	0.01	0.07	0.00
	9.50 ~ 10.65	1.15	"	0.60	28.5	tr	0.09	0.00
	10.65 ~ 11.65	1.00	"	0.45	65.0	0.01	0.19	0.01
	11.65 ~ 12.55	0.90	"	0.55	27.5	tr	0.11	0.00
	12.55 ~ 13.55	1.00	"	0.45	12.0	0.01	0.08	0.01
	13.55 ~ 14.55	1.00	"	0.30	117.0	tr	0.18	0.00
	14.55 ~ 15.40	0.85	"	0.60	81.0	0.01	0.61	0.01
	15.40 ~ 17.20	1.80	"	0.55	64.0	0.01	0.89	0.02
	average	14.70		0.46	45.9	0.01	0.37	0.01
	average	16.20		0.51	42.4	0.01	0.34	0.01
19.80 ~ 21.10	1.30	limo bre sil	0.45	17.5	0.01	0.41	0.01	
21.10 ~ 22.40	1.30	"	0.55	6.0	tr	0.10	0.00	
22.40 ~ 23.40	1.00	"	1.65	32.5	tr	0.24	0.00	
23.40 ~ 24.45	1.05	"	1.10	60.5	0.03	1.27	0.02	
average	4.65		0.88	27.2	0.01	0.43	0.01	

Drill Hole	Depth (m)	Length (m)	Rock Name	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
MJPJ-13	1.80 ~ 3.00	1.20	sil arg bre	0.80	21.0	0.06	0.20	0.06
	3.00 ~ 3.80	0.80	"	nd	12.5	0.06	0.07	0.04
	3.80 ~ 4.70	0.90	"	0.30	15.5	0.08	0.11	0.06
	4.70 ~ 5.75	1.05	limo weathered bre	0.30	10.0	0.04	0.09	0.02
	5.75 ~ 6.55	0.80	"	0.50	515.0	0.04	0.10	0.02
	6.55 ~ 7.60	1.05	limo sil bre	0.55	61.0	0.01	0.22	0.00
	7.60 ~ 8.40	0.80	"	0.20	39.0	0.01	0.05	0.01
	8.40 ~ 9.40	1.00	"	0.20	71.5	0.02	0.04	0.01
	average	7.60		0.38	84.0	0.04	0.12	0.03
	9.95 ~ 11.15	1.20	limo net sil bre	0.40	124.0	0.03	0.11	0.02
	11.15 ~ 12.30	1.15	sil bre	0.10	72.0	0.06	0.07	0.03
	average	2.35		0.25	98.6	0.05	0.09	0.02
	17.20 ~ 18.20	1.00	arg sil tf breccia	0.40	124.0	0.14	0.15	0.07
	18.20 ~ 19.10	0.90	"	0.10	72.0	0.12	0.03	0.05
	19.10 ~ 20.00	0.90	"	0.30	130.0	0.33	0.06	0.04
	average	2.80		0.27	109.2	0.19	0.08	0.05
	37.30 ~ 38.40	1.10	sil tf	0.05	18.0	0.01	0.24	0.44
	38.40 ~ 38.40	1.00	"	0.50	14.5	0.01	0.34	1.09
	38.40 ~ 40.70	1.30	sil arg lp tf	0.15	21.0	0.01	0.33	1.42
	40.70 ~ 42.10	1.40	sil lp tf	1.20	26.0	0.01	0.40	2.24
	42.10 ~ 42.70	0.60	sil arg lp tf	0.15	15.0	tr	0.29	1.24
	42.70 ~ 43.70	1.00	sil lp tf	0.15	19.0	0.01	0.81	1.94
	43.70 ~ 44.80	1.10	"	0.25	13.0	0.01	0.48	0.75
average	7.50		0.39	18.7	0.01	0.41	1.34	
49.90 ~ 50.90	1.00	sil lp tf	0.15	20.5	0.01	0.62	1.29	
50.90 ~ 51.90	1.00	"	0.25	21.5	0.01	0.47	1.83	
51.90 ~ 52.90	1.00	"	0.20	8.0	tr	0.08	0.51	
52.90 ~ 53.90	1.00	"	0.10	19.0	0.01	0.09	0.34	
53.90 ~ 54.90	1.00	"	0.65	10.0	tr	0.18	0.62	
54.90 ~ 55.90	1.00	"	0.75	6.0	0.01	0.13	0.56	
average	6.00		0.35	14.2	tr	0.26	0.86	

Apx. 10 Assay Results of Ore at Trench-1 in the Jehuamaca Area

Apx.10 Assay Results of Ore at Trench-1 in The Jehuamarca Area

Sample No.	Length (m)	Rock Name	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
T-101	1.00	fng arg diss(py>sp>gn) lp tf (foot wall)	4.00	29.0	0.13	0.05	0.35
T-102	1.00	weath arg dr py-sp ore	1.30	1875.0	1.65	0.19	14.94
T-103	1.00	massive py-sp ore	1.60	177.0	0.19	0.11	7.08
T-104	1.00	"	1.70	138.5	0.14	0.08	0.35
T-105	0.80	"	0.75	222.0	0.24	0.20	0.42
T-106	1.20	"	0.65	772.5	0.98	1.52	7.68
T-107	1.00	"	0.75	267.0	0.22	1.89	15.26
T-108	1.00	limo leached py-sp ore	nd	242.0	0.18	1.26	16.24
T-109	1.00	"	0.35	278.5	0.13	0.65	16.06
T-110	0.90	"	0.70	303.5	0.20	1.59	16.00
T-111	1.20	"	0.55	443.0	0.05	0.16	4.64
ave.	10.1		0.83	483.9	0.41	0.77	9.85
T-112	0.80	csg arg diss(sp-py) lp tf (hanging wall)	0.45	56.0	0.02	0.50	3.32
average	11.90		1.07	416.9	0.4	0.7	8.6

Apx. 11 Assay Results of Geochemical Samples in the Jehuamaca Area

Apx.11 Assay Results of Geochemical Samples in Jehuamarca Area

	Sample No.	Rock Name	A u (ppb)	A g (ppm)	C u (ppm)	P b (ppm)	Z n (ppm)
1	R 72101	wht dr bre sil	162	3.0	39	428	6
2	R 72104	gry dr bre sil	26	99.0	44	508	38
3	R 72105	wht dr bre sil med arg	84	16.5	49	1140	90
4	R 72106	wht dr bre sil wk arg	130	4.0	66	2660	90
5	R 72107	wht dr bre sil med arg	52	1.5	2	1500	42
6	R 72108	wht arg bre sil	208	13.0	77	498	22
7	R 72109	dr bre sil wk arg	31	0.5	31	48	2
8	R 72110	gry dr bre sil w/py	117	196.5	10	300	2
9	R 72301	wk arg wk sil wk chl lp tf	4	3.5	3	8	8
10	R 72303	wk arg wk sil wk chl lp tf	9	1.5	24	70	56
11	R 72401	wht dr arg sil	89	< 0.5	160	68	32
12	R 72403	gry-wht arg sil	89	1.5	69	760	16
13	R 72404	wht arg bre sil	4	5.0	13	56	< 2
14	R 72405	wht arg bre sil	28	12.5	135	12	8
15	R 72502	arg bre wk sil wk chl lp tf	22	2.0	5	64	< 2
16	R 72503	arg wk sil wk chl tf w/py, sp	12	4.0	9	1935	2710
17	R 72504	arg chl diss lp tf	38	1.5	322	1120	9480
18	R 72505	arg wk sil wk chl lp tf w/py, sp	24	2.5	1065	54	210
19	R 72506	gry med sil wk arg lp tf	5	1.0	22	122	52
20	R 72601	qtz v	544	100.0	748	5130	74
21	R 72602	arg chl lp tf	7	1.0	12	52	156
22	R 72604	arg med sil wk chl lp tf	5	0.5	3	22	10
23	R 72605	rhyo	2	0.5	4	12	6
24	R 72607	banded rhyo w/py	1	0.5	3	18	32
25	R 72702	wht arg wk sil lp tf	7	0.5	58	98	38
26	R 72704	dr bre sil	28	3.0	36	266	16
27	R 80101	dr bre sil	71	< 0.5	28	24	4
28	R 80102	limo dr qtz v	2130	>200.0	350	2170	44
29	R 80103	dr por bre sil	15	1.0	14	48	74
30	R 80104	por bre sil	77	3.5	46	626	28
31	R 80105	limo diss qtz v	231	194.5	37	124	6
32	R 80106	gry bre sil	55	23.0	11	64	2
33	R 80201	gry bre sil	82	162.5	79	472	8
34	R 80202	arg sil lp tf	290	11.5	47	34	8
35	R 80203	pale reddish gry qtz v	14	2.5	58	422	16
36	R 80204	chl lp tf	14	2.0	5	196	6
37	R 80301	limo net wk arg bre sil	3	18.0	82	1830	310
38	R 80303	wk arg bre sil	15	2.0	36	34	8
39	R 80304	gry cherty bre sil	31	2.5	13	98	4
40	R 80305	med bre sil	37	2.0	8	32	4
41	R 80306	med bre sil	289	24.5	65	122	12
42	R 80307	wht arg med bre sil	3	0.5	8	26	< 2
43	R 80309	qtz v	83	>200.0	6	58	< 2
44	R 80310	limo dr qtz v	373	30.5	251	2740	38
45	R 80312	arg bre sil wk chl lp tf	111	96.0	480	1425	36
46	R 80313	bre sil	4	< 0.5	108	46	10
47	R 80314	arg wk sil tf	5	0.5	30	24	6
48	R 80401	arg chl lp tf	2	0.5	5	142	170
49	R 80402	dark gry dr qtz v	463	60.0	118	3130	380
50	R 80403	sil w/py	26	1.0	19	114	52

Abbreviations arg:argillized, bre:brecciated, chl:chloritized, csg:coarse grained, diss:disseminated, dr:drusy, fng:fine grained, gn:garena, ho:hornblende, limo:limonitized, lp:lapilli, med:medium, net:network, por:porous, py:pyrite, qtz:quartz, rhyo:rhyolite, sh:shale, sil:silicified, sp:sphalerite, tf:tuff, v:vein, wk:weak, wht:white, w/:with

	Sample No.	Rock Name	A u (ppb)	A g (ppm)	C u (ppm)	P b (ppm)	Z n (ppm)
51	R 80404	arg sil chl lp tf w/py	36	6.5	131	476	1545
52	R 80602	black dr qtz v	41	5.5	7	262	12
53	R 80604	limo net bre sil	654	7.0	512	230	30
54	R 80605	limo diss med bre sil	596	>200.0	248	2830	282
55	R 80606	chl lp tf	17	4.5	54	404	224
56	R 80607	chl lp tf	28	1.5	58	28	28
57	R 80608	chl wk sil tf	6	7.5	93	234	96
58	R 80609	dr bre sil	11	1.0	10	444	14
59	R 80610	chl wk sil lp tf	2	< 0.5	9	326	22
60	R 80611	gry sil	68	19.0	81	144	10
61	R 80701	sil tf	4	0.5	7	48	34
62	R 80703	csg chl wk sil lp tf	1	< 0.5	7	40	242
63	R 80801	weath chl wk sil hb andesite	< 1	< 0.5	48	16	8770
64	R 80802	med sil wk dr lp tf w/py, sp	2	7.0	110	30	222
65	R 80804	med sil wk dr lp tf	17	40.0	32	214	320
66	R 81402	wk sil sh	1	< 0.5	9	40	14
67	R 81403	banded rhyo	44	< 0.5	229	72	32
68	R 81406	black stratified wk sil sh	16	1.0	12	98	4
69	R 81502	qtz v	124	138.0	59	314	54
70	R 81602	dr bre sil	69	>200.0	513	1655	28
71	R 81702	dr qtz v	1570	19.0	56	356	22
72	R 81703	banded rhyo	58	117.5	15	110	< 2
73	R 81704	bre sil	47	1.0	129	72	6
74	R 81705	bre sil	71	10.5	429	122	12
75	R 82101	black wk sil sh w/py, gn	4	0.5	144	294	70
76	R 82301	gry wk dr bre sil	14	5.0	6	24	38
77	R 82302	banded rhyo dike	58	34.0	10	220	44
78	R 82401	stratified med sil wk chl tf w/py, gn	286	5.5	81	4380	6990
79	R 82402	fng med sil wk chl lp tf	6	1.0	11	260	86
80	R 82403	arg lf v w/py, gn	91	2.5	48	2460	1890
81	R 82501	gry qtz v	48	6.0	6	472	98
82	R 82503	dr bre sil	141	8.5	186	114	22
83	R 82601	stratified compact bre sil	119	< 0.5	8	152	6
84	R 82602	dr diss sil	32	33.5	243	586	56
85	R 82701	por sil	39	0.5	199	22	8
86	R 82802	med sil wk chl andesite	2	< 0.5	39	88	1320
87	R 82803	chl lp tf	3	< 0.5	2	4	22
88	R 83001	dr bre sil w/py, sp, gn	92	37.5	168	3000	>10000
89	R 83002	med sil wk chl lp tf	5	2.0	11	862	272
90	R 83003	bre sil	137	8.5	55	320	64
91	R 100501	dr bre arg sil	3	< 0.5	18	122	6
92	R 100601	black sh	3	< 0.5	17	168	8
93	R 100602	black sh-lp tf alternation	1	< 0.5	25	68	8
94	R 100603	wk sil tf	< 1	< 0.5	92	2	14
95	R 102101	arg wk chl lp tf	2	< 0.5	13	40	332
96	R 102401	csg bre sil arg tf w/py	27	>200.0	92	644	24
97	R 102802	wk sil wk chl tf w/py, sp	55	14.0	79	3270	3900
98	R 102803	banded rhyo	< 1	2.5	3	30	38
99	R 102804	banded rhyo	< 1	1.0	2	6	10
100	R 102902	laminated med sil arg wk chl lp tf	1	1.0	4	30	56
Rock Type (Numbers of Samples)			Average Grades for the Rock types				
	Brecciated Silicified Rock	(38)	96	36.1	102	580	299
	Quartz Vein	(12)	435	79.9	145	1470	220
	Rhyolite	(7)	24	22.4	38	7	23
	Andesite	(2)	2	0.5	44	52	5045
	Shale	(5)	5	0.6	41	134	21
	Chloritized Rock	(4)	16	2.1	30	158	70
	Argilezed Silicified Rock	(32)	37	5.4	95	487	850
	Grand Average	(100)	88	21.0	71	413	933

Apx. 12 Geological Drilling Log in the Chontali Area

Symbol	Depth	Observation	Fracture			Alteration									Mineralization									Assay	
			Sil	Arg	Chl	Sil	Arg	Chl	Py	Cp	Hm	Sp	Gn	Bn	cc	oth	Au	Ag							
	06-09	limo weathered lp-1f (soil?)	+																						
	10-14	limo weathered Sil Arg lp-1f	+	+																					
	14-18	limo weathered lp-1f (soil?)	+																						
	18-22	limo weathered Sil Arg lp-1f Qtz v fragment 2x3x3cm Qtz v 1cm	+	+																					
	22-26	Jimo Sil Arg lp-1f	+																						
	26-30	limo Sil Arg lp-1f dr Qtz v 0.5cm sheared zone with limo clay 3cm	+																						
	30-34	wk limo Sil Arg chl lp-1f limo clay 10cm FW 50cm limonitized wk limo Sil Arg lp-1f dr-Qtz v fragment 1x2x2cm	+	+																					
	34-38	Sil chl lp-1f wk limo Sil Arg lp-1f limo Sil Arg lp-1f Arg lp-1f (fault?) limo Sil Arg lp-1f	+																						
	38-42	wk limo Arg Sil lp-1f dr Qtz v 1.6cm white clay 5cm	+																						
	42-46	fault breccia (partly Qtz v) limo dr Qtz v lim wk limo Sil Arg lp-1f limo Qtz v partly dr FW brecciation with strong Arg Sil Arg lp-1f	+																						
	46-50	limo Qtz net v Arg lp-1f wk limo dr-Qtz v limo Sil Arg lp-1f	+																						
	50-54	Sil Arg lp-1f grey clay with breccia 5cm Qtz v 0.5cm grey clay with breccia 10cm Sil Arg lp-1f white clay 3cm	+																						
	54-58	limo net Sil Arg lp-1f dr Qtz v (vertical?) with limo stain	+																						
	58-62	Sil Arg lp-1f Qtz v 0.6cm brownish carbonate v 1cm brownish carbonate v 1.6cm	+																						
	62-66	Qtz v 1.8cm barite 0.2cm Qtz v 8cm fault breccia (Qtz v, siliceous breccia) post Sil?	+																						
	66-70	Sil Arg lp-1f Qtz carbonate with py Gln Bar brecciated Qtz v 10cm with py Cp dr Qtz v with py 5cm wk limo dr Qtz v Sil Arg lp-1f, Hm net	+																						
	70-74	Sil chl lp-1f	+																						
	74-78	Andesite crushed and limonitized Chl lp-1f grey clay 5cm purple clay Chl lf-bre	+																						
	78-82	limo clay 1cm																							
	82-86	Qtz v 1cm grey-purple clay with breccia Chl Sil lp-1f Qtz v 2cm	+																						
	86-90	Qtz v 4cm Qtz v 1cm Chl Arg lp-1f dr-Qtz v 10cm dr-Qtz v 12cm Chl Sil lp-1f purple clay 10cm Qtz v 1cm	+																						
	90-94	Sil chl lp-1f Qtz v 2cm Qtz v 15cm with Qtz v let zone 3cm Sil lp-1f limo Arg lp-1f limo clay 5cm Sil lp-1f wk limo Arg chl lp-1f Sil chl lp-1f Chl Sil lf-bre Sil chl lp-1f grey clay 5cm Qtz v 1cm	+																						
	94-98	limo Arg lp-1f Sil chl lp-1f	+																						
	98-100	Qtz v 3cm	+																						

Apx 12-3

THE MINERAL EXPLORATION
IN
THE PACHAPIRIANA AREA, REPUBLIC OF PERU

(PHASE III)

Core Log (MJPC-3)
Chontali Area

JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1991
prepared by MINDECO

Location : 9°37'0.278 N, 71°58'29 E
Elevation : 1,947.36m
Direction : 50° Inclination -- 50°

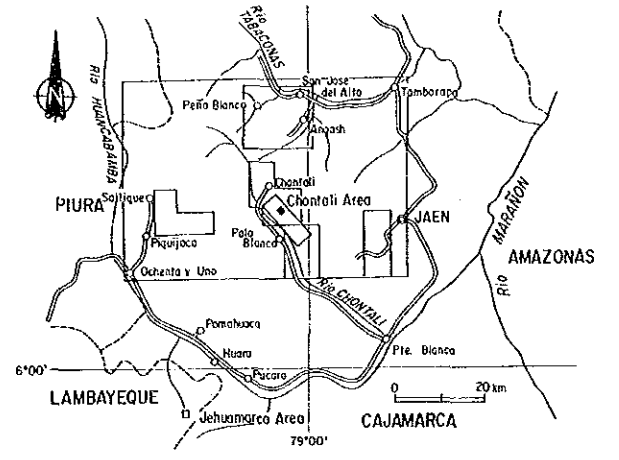
LEGEND

Symbol		Intensity of alteration and mineralization
shale	brecciated rock	- weak
tuff	fault breccia	+ moderate
lapilli tuff	sheared zone	# strong
tuff breccia	quartz zone	() sporadically
andesite	missing zone	
	15	intersected angle of vein
	50	intersected angle of bedding plane

- sh --- shale
- tf --- tuff or tuffaceous
- lp-1f --- lapilli tuff
- lf-bre --- tuff breccia
- Sil --- silicification
- Arg --- argillization
- chl --- chloritization
- ep --- epidotization
- oth --- others
- wk --- weak
- py --- pyrite
- Cp --- chalcopyrite
- Trh --- tetrahedrite
- Sp --- sphalerite
- Gn --- galena
- cc --- chalcocite
- Bn --- bornite
- limo --- limonite or limonitized
- Hm --- hemalite
- Hb --- hornblende
- Qtz --- quartz
- dr --- drusy
- v --- vein

THE MINERAL EXPLORATION IN THE PACHAPIRIANA AREA, REPUBLIC OF PERU

(PHASE III) Core Log (MJPC-4) Chontali Area



JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1991 prepared by MINDECO

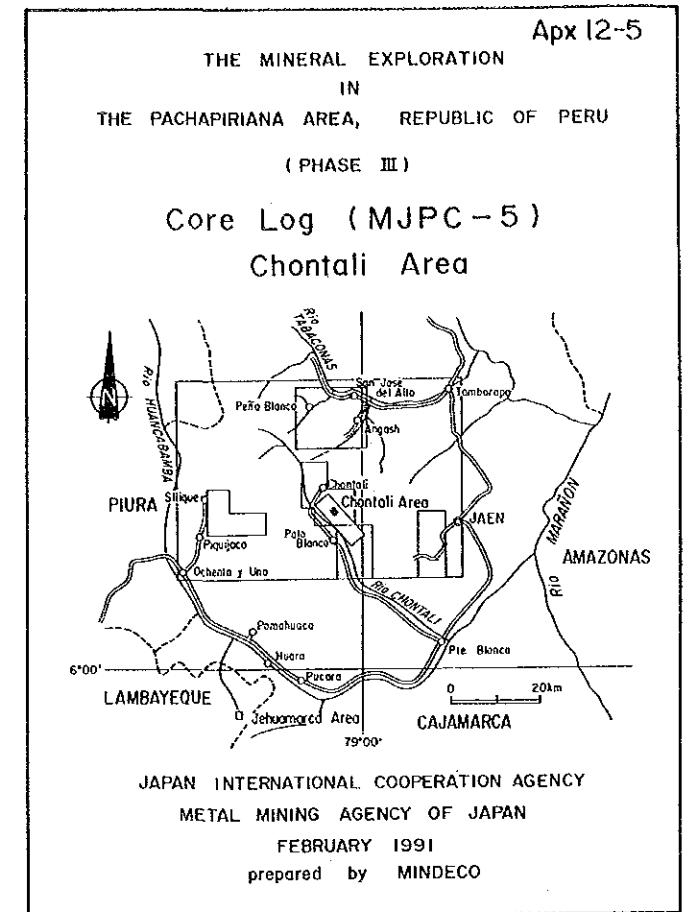
Location : 9°37'0.277 N ; 71°5'8.28E Elevation : 1,947.26 m Direction : 50° Inclination - 70°

LEGEND table with columns for Symbol, Intensity of alteration and mineralization, and specific symbols for shale, brecciated rock, tuff, fault breccia, lapilli tuff, sheared zone, tuff breccia, quartz zone, and andesite.

Additional legend symbols and abbreviations: sh - shale, py - pyrite, dr - drusy, lf - tuff or tuffaceous, Cp - chalcopyrite, v - vein, lp-ff - lapilli tuff, Trh - tetrahedrite, lf-bre - tuff breccia, Sp - sphalerite, Sil - silicification, Gn - galena, Arg - argillization, cc - chalcocite, chl - chloritization, Bn - bornite, ep - epidolization, limo - limonite or limonitized, oth - others, Hm - hematite, wk - weak, Hb - hornblende, Qtz - quartz, cal - calcite.

Main core log table with columns for Depth, Observation, Alteration, Mineralization, and Assay. The table is divided into three vertical sections, each with its own set of columns and data entries.

Symbol	Depth	Observation	Alteration			Mineralization			Assay		Symbol	Depth	Observation	Alteration			Mineralization			Assay		Symbol	Depth	Observation	Alteration			Mineralization			Assay		
			Fracture	Sil	Arg	Chl	Cp	Trh	Sp	Gn				oth	Au	Ag	Fracture	Sil	Arg	Chl	Cp				Trh	Sp	Gn	oth	Au	Ag	Fracture	Sil	Arg
	0.0	limo weathered lp lf										0.0	Andesite											0.0									
	17.20	limo Sil Arg lp lf										17.20	Qtz v 4cm											17.20									
	27.5	limo Sil Arg lp lf										27.5	Qtz v 1cm											27.5									
	33	limo dr Qtz v							1.15	9.5		33	Arg Sil lp lf											33									
	45	limo dr Qtz v										45	Arg Sil lp lf											45									
	53	limo dr Qtz v										53	Arg Sil lp lf											53									
	62	Sil Arg lp lf										62	white clay with breccia											62									
	69	Sil Arg lp lf										69	white clay with breccia											69									
	82	Sil Arg lp lf										82	white clay with breccia											82									
	85	Qtz v 3cm										85	Sil Arg lp lf											85									
	90	Qtz v 1cm										90	Sil Arg lp lf											90									
	95	Sil Arg lp lf										95	partly strong Arg											95									
	100	Qtz v 4cm py impregnation										100	Qtz v 2cm with parallelly 5cm, 1cm											100									
	110	Qtz v 4cm py impregnation										110	Qtz v 1cm											110									
	120	Qtz v partly dr							19.4	10.5	22.5		120	Arg Sil lp lf										120									
	130	Sil Arg lp lf										130	Arg Sil lp lf											130									
	140	Qtz v fragment moderate abundant										140	Sil Arg lp lf											140									
	150	Qtz v 3cm										150	Sil Arg lp lf											150									
	160	white clay with breccia 1cm										160	Sil Arg lp lf											160									
	170	Qtz v 2cm										170	Qtz v 1cm breccia zone 7cm											170									
	180	Qtz v 10cm										180	Qtz v 1cm											180									
	190	Qtz v 10cm										190	Qtz v with grey clay 3cm											190									
	200	Qtz v 10cm										200	Sil chl lp lf											200									



Location : 9°370.233 N ; 716.190 E
Elevation : 1,744.53 m
Direction : 230° Inclination - 15°

LEGEND

Symbol	Intensity of alteration and mineralization
shale	brecciated rock
tuff	fault breccia
lapilli tuff	sheared zone
tuff breccia	quartz zone
andesite	missing zone
-15	intersected angle of vein
1.50	intersected angle of bedding plane

sh — shale	py — pyrite	dr — drusy
tf — tuff or tuffaceous	Cp — chalcocopyrite	v — vein
lp-lf — lapilli tuff	Trh — tetrahedrite	
tf-bre — tuff breccia	Sp — sphalerite	
Sil — silicification	Gn — galena	
Arg — argillization	cc — chalcocite	
chl — chloritization	Bn — bornite	
ep — epidotization	limo — limonite or limonitized	
oth — others	Hm — hematite	
wk — weak	Hb — hornblende	
	Qtz — quartz	

Apx. 13 Geological Drilling Log in the Jehuamaca Area

MJPJ-6

Location : 9'326.540 N, 695.080 E
Elevation : 3,351.21 m
Direction : Inclination -90°

Core log table for MJPJ-6, columns include Depth, Observation, Fracture, Alteration, Mineralization, and Assay (Au, Ag, Cu, Pb, Zn).

MJPJ-7

Location : 9'326.364 N, 694.987 E
Elevation : 3,259.87 m
Direction : Inclination -90°

Core log table for MJPJ-7, columns include Depth, Observation, Fracture, Alteration, Mineralization, and Assay (Au, Ag, Cu, Pb, Zn).

Map of the Pachapiriana Area, Republic of Peru, showing core log locations (MJPJ-6, 7) and a scale bar.

Scale bar: 0, 10, 20m

LEGEND

Legend for symbols and intensities of alteration and mineralization, including shale, brecciated rock, fault breccia, etc.

- sh -- shale; py -- pyrite; dr -- drusy; lf -- tuff or tuffaceous; Cp -- chalcocopyrite; v -- vein; lp-ff -- lapilli tuff; Trh -- tetrahedrite; ff-bre -- tuff breccia; Sp -- sphalerite; Sil -- silicification; Gn -- galena; Arg -- argillization; Bn -- bornite; chl -- chloritization; Bn -- bornite; ep -- epidolization; limo -- limonite or limonitized; oth -- others; Hm -- hematite; Hb -- hornblende; Qtz -- quartz; wk -- weak

MJPJ-8

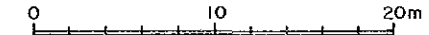
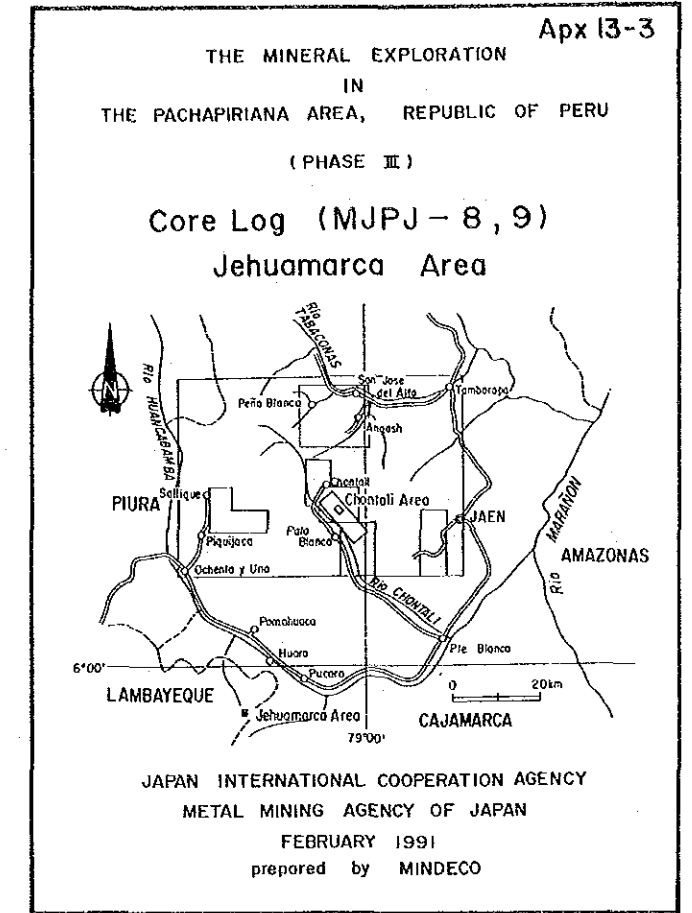
Location : 9'326,159 N, 695.124 E
Elevation : 3,211.70 m
Direction : - Inclination -90°

Core log table for MJPJ-8. Columns include Depth, Observation, Alteration, Mineralization, and Assay. Contains detailed geological descriptions and chemical analysis data.

MJPJ-9

Location : 9'326.146 N, 695.406 E
Elevation : 3,280.40 m
Direction : - Inclination -90°

Core log table for MJPJ-9. Columns include Depth, Observation, Alteration, Mineralization, and Assay. Contains detailed geological descriptions and chemical analysis data.



Legend for the core logs, defining symbols for rock types (shale, tuff, etc.) and alteration/mineralization intensities (weak, moderate, strong).

MJPJ-10

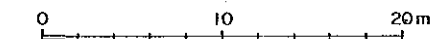
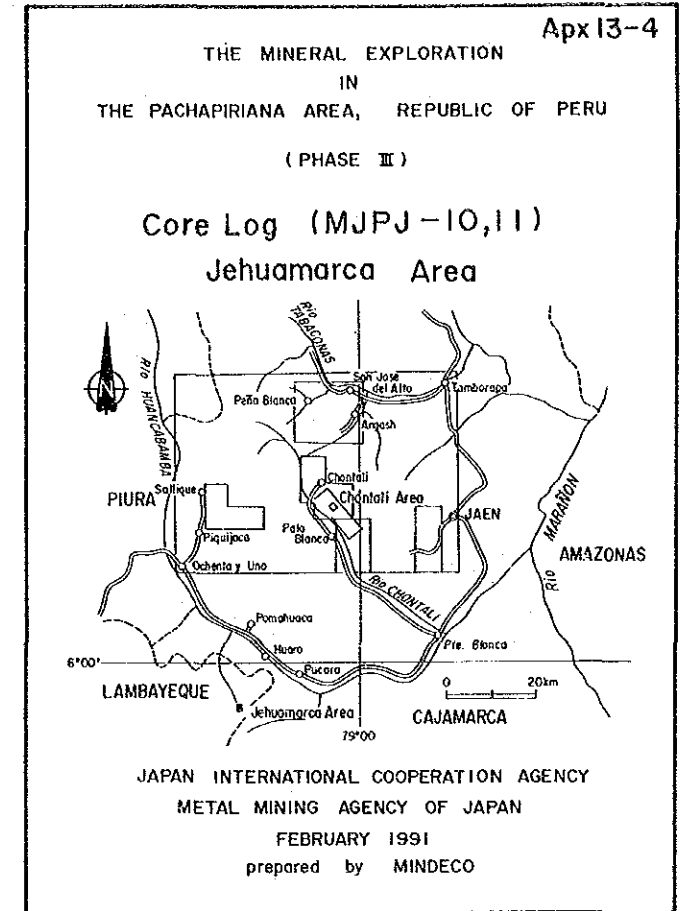
Location : 9'325.858 N, 695.132 E
Elevation : 3,178.62 m
Direction : - Inclination - 90°

Core log table for MJPJ-10. Columns include Symbol, Depth, Observation, Fracture, Alteration (Sil, Arg, Chl, oth), Mineralization (Py, Cp, Teh, Sp, Gn, oth), and Assay (Au, Ag, Cu, Pb, Zn).

MJPJ-11

Location : 9'325.820 N, 695.420 E
Elevation : 3,239.81 m
Direction : - Inclination - 90°

Core log table for MJPJ-11. Columns include Symbol, Depth, Observation, Fracture, Alteration (Sil, Arg, Chl, oth), Mineralization (Py, Cp, Teh, Sp, Gn, oth), and Assay (Au, Ag, Cu, Pb, Zn).



LEGEND

Legend table defining symbols for rock types (shale, tuff, lapilli tuff, tuff breccia, andesite), alteration/mineralization intensities (weak, moderate, strong, sporadically), and vein/bedding plane angles.

MJPJ-12

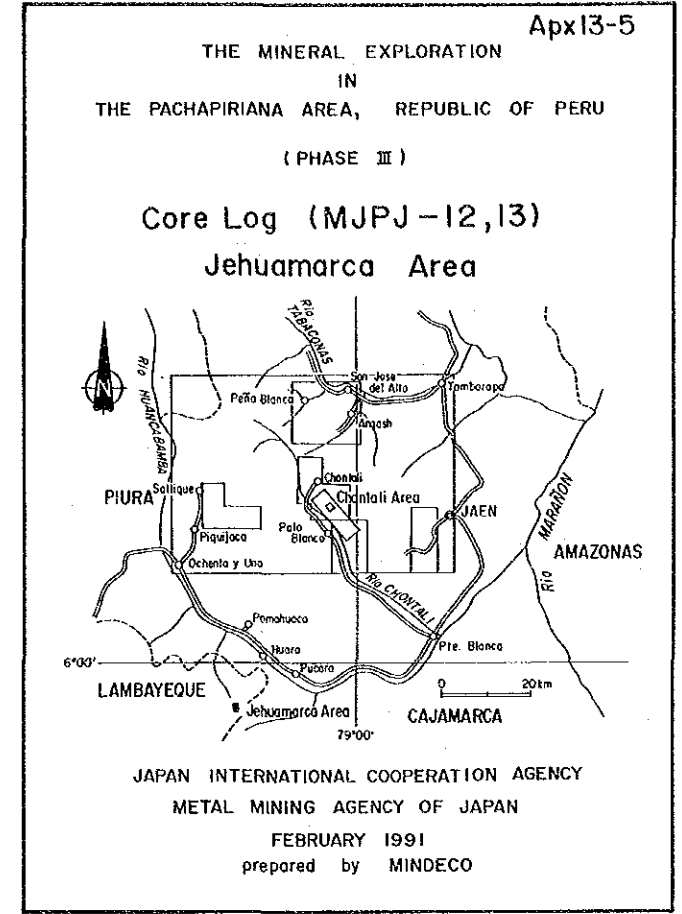
Location : 9°32'6.08" N, 69°5'17.2" E
Elevation : 3,402.11m
Direction : - Inclination - 90°

Table with columns: Symbol, Depth, Observation, Fracture, Alteration (Sil, Arg, Chl, oth), Mineralization (Py, Cp, Trh, Sp, Gn, oth), Assay (Au, Ag, Cu, Pb, Zn). Contains detailed geological data for core MJPJ-12.

MJPJ-13

Location : 9°32'6.196" N, 69°4'68.7" E
Elevation : 3,167.56m
Direction : - Inclination - 90°

Table with columns: Symbol, Depth, Observation, Fracture, Alteration (Sil, Arg, Chl, oth), Mineralization (Py, Cp, Trh, Sp, Gn, oth), Assay (Au, Ag, Cu, Pb, Zn). Contains detailed geological data for core MJPJ-13.



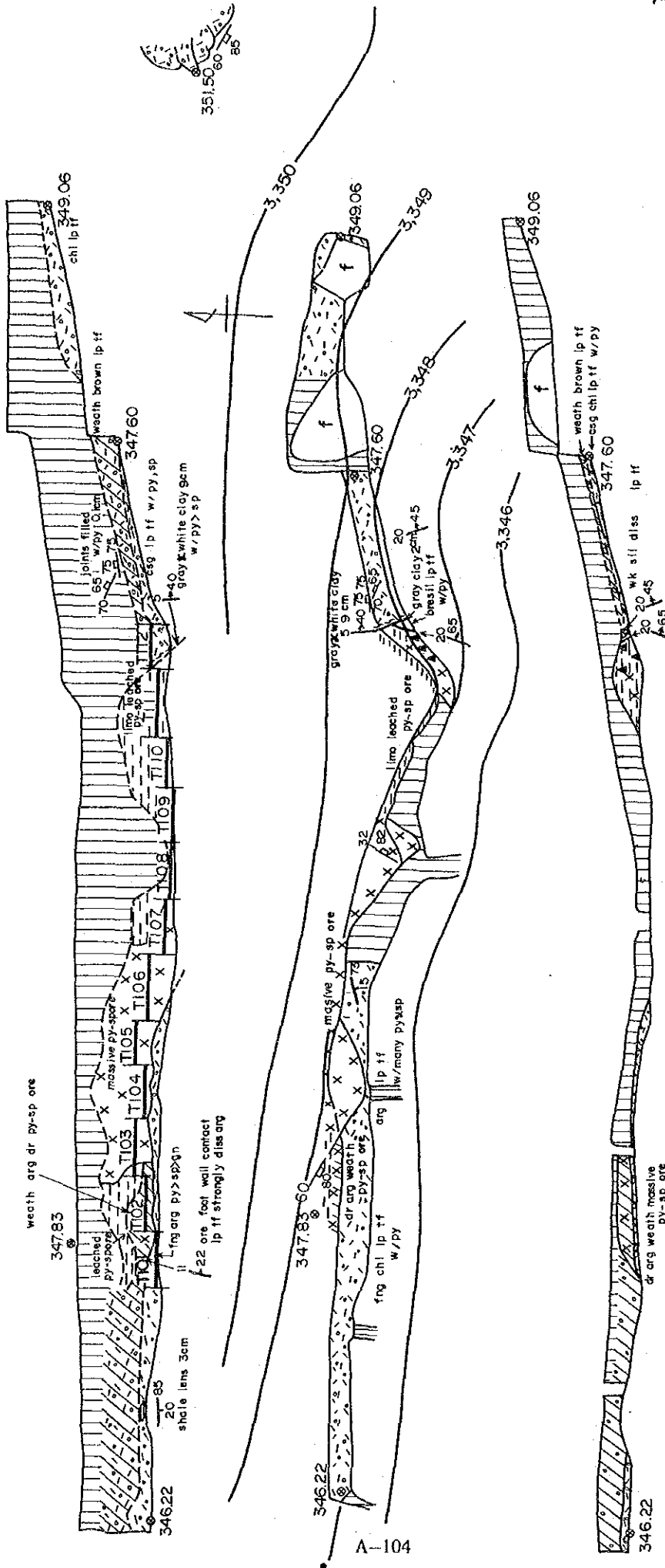
THE MINERAL EXPLORATION IN THE PACHAPIRIANA AREA, REPUBLIC OF PERU (PHASE III) Core Log (MJPJ-12,13) Jehuamarca Area

JAPAN INTERNATIONAL COOPERATION AGENCY METAL MINING AGENCY OF JAPAN FEBRUARY 1991 prepared by MINDECO

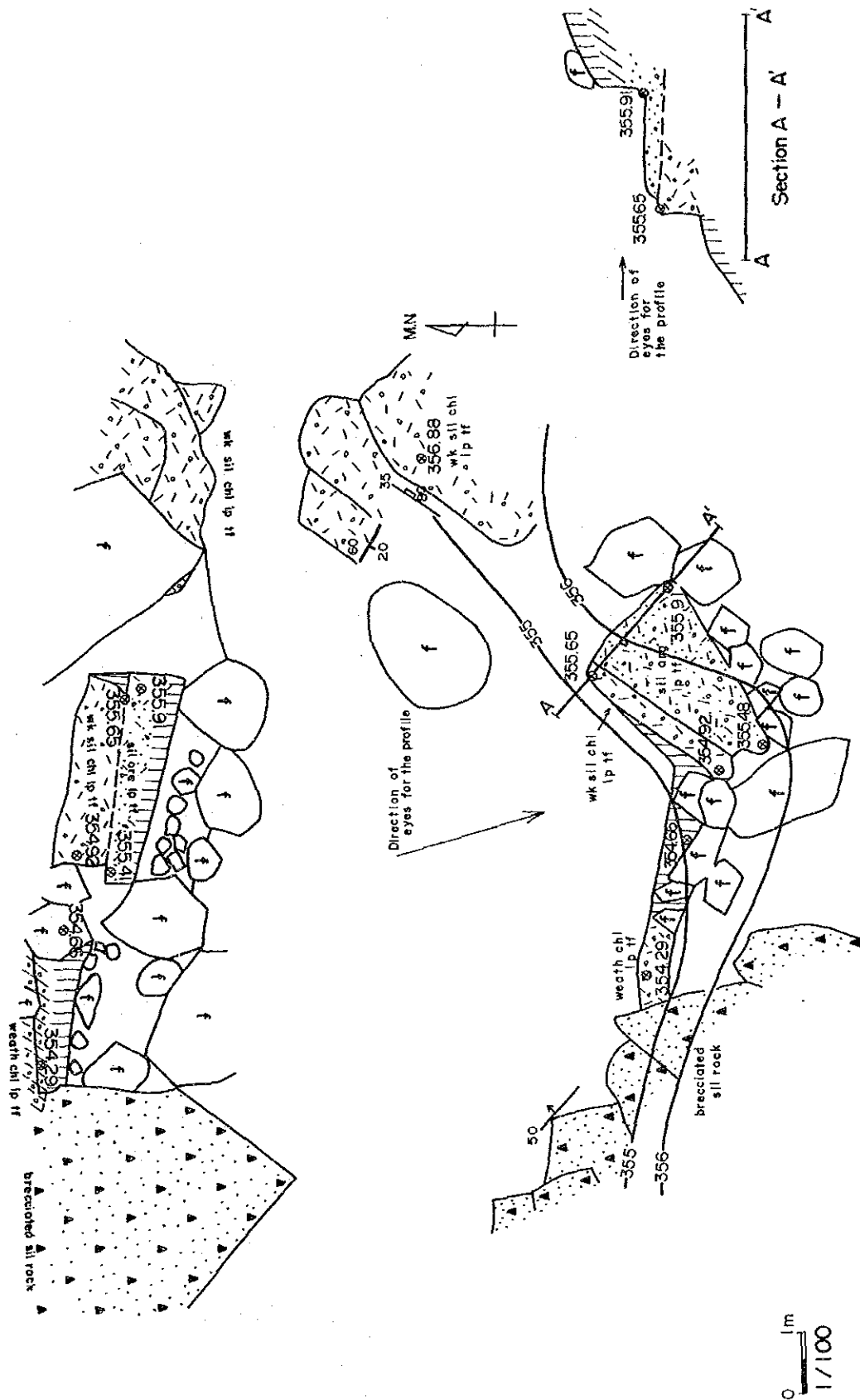
LEGEND table defining symbols for rock types (shale, tuff, rhyolite, etc.), alteration intensity (weak, moderate, strong), and mineralization types (pyrite, chalcopyrite, etc.).

Apx. 14 Geological Sketches of Trenches in the Jehuamaca Area

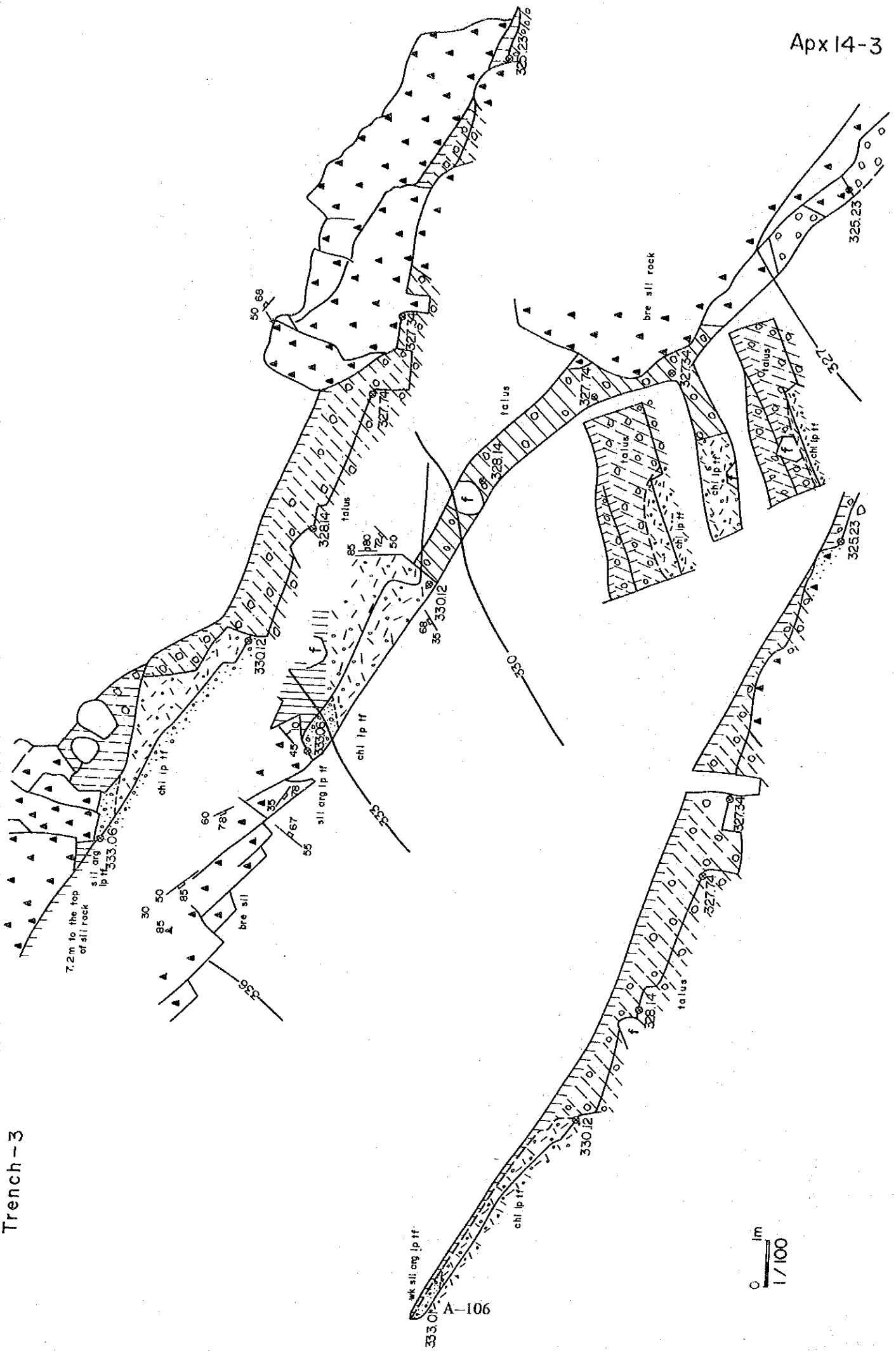
Trench - 1



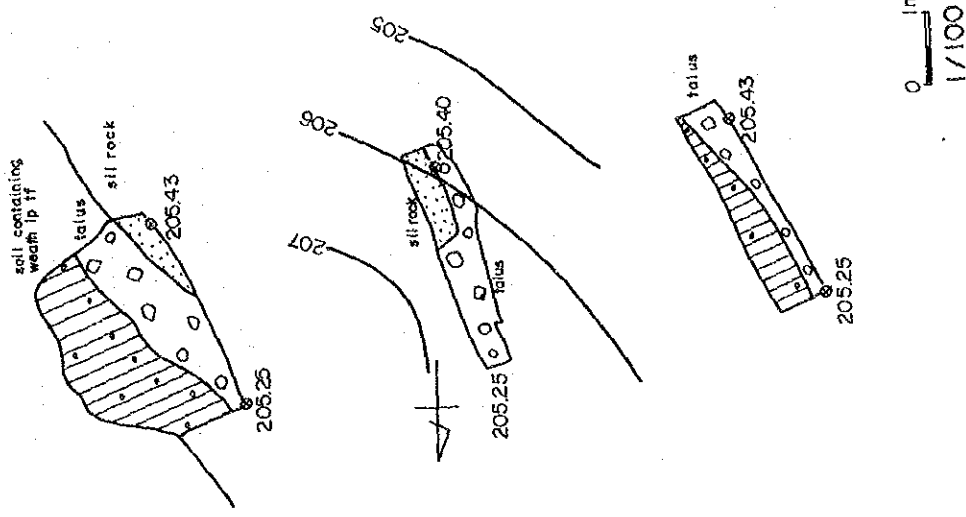
Trench - 2



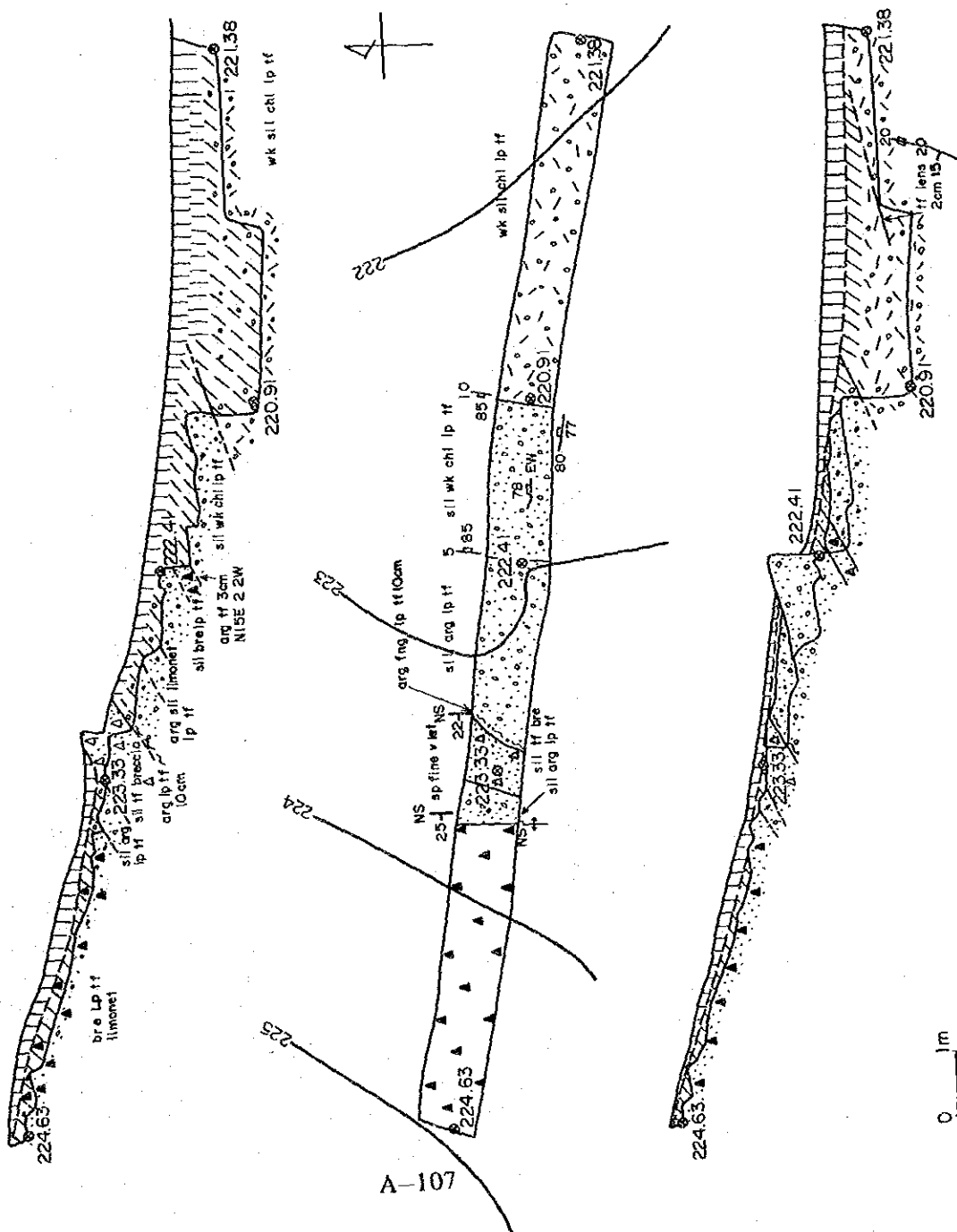
Trench-3



Trench-5

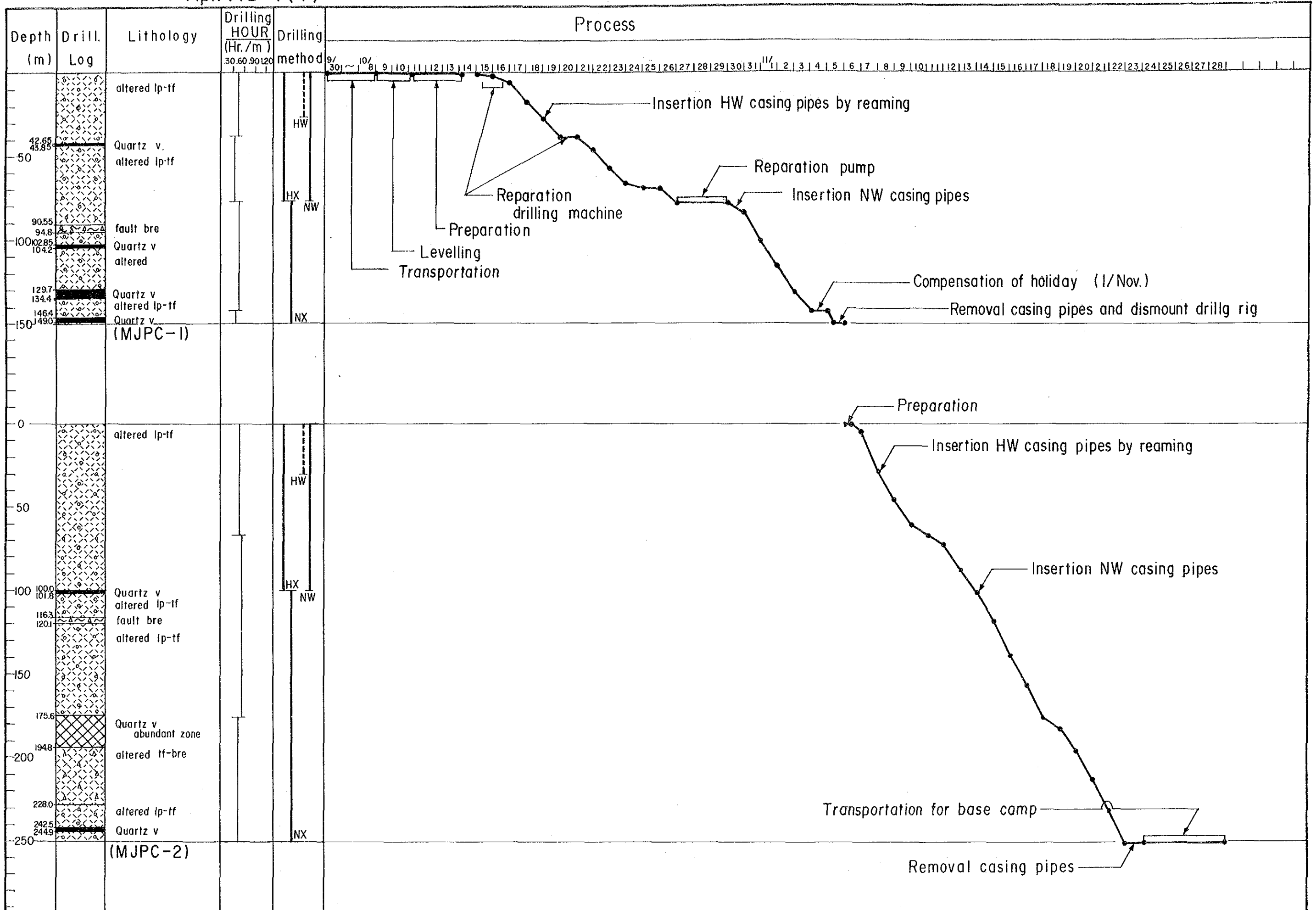


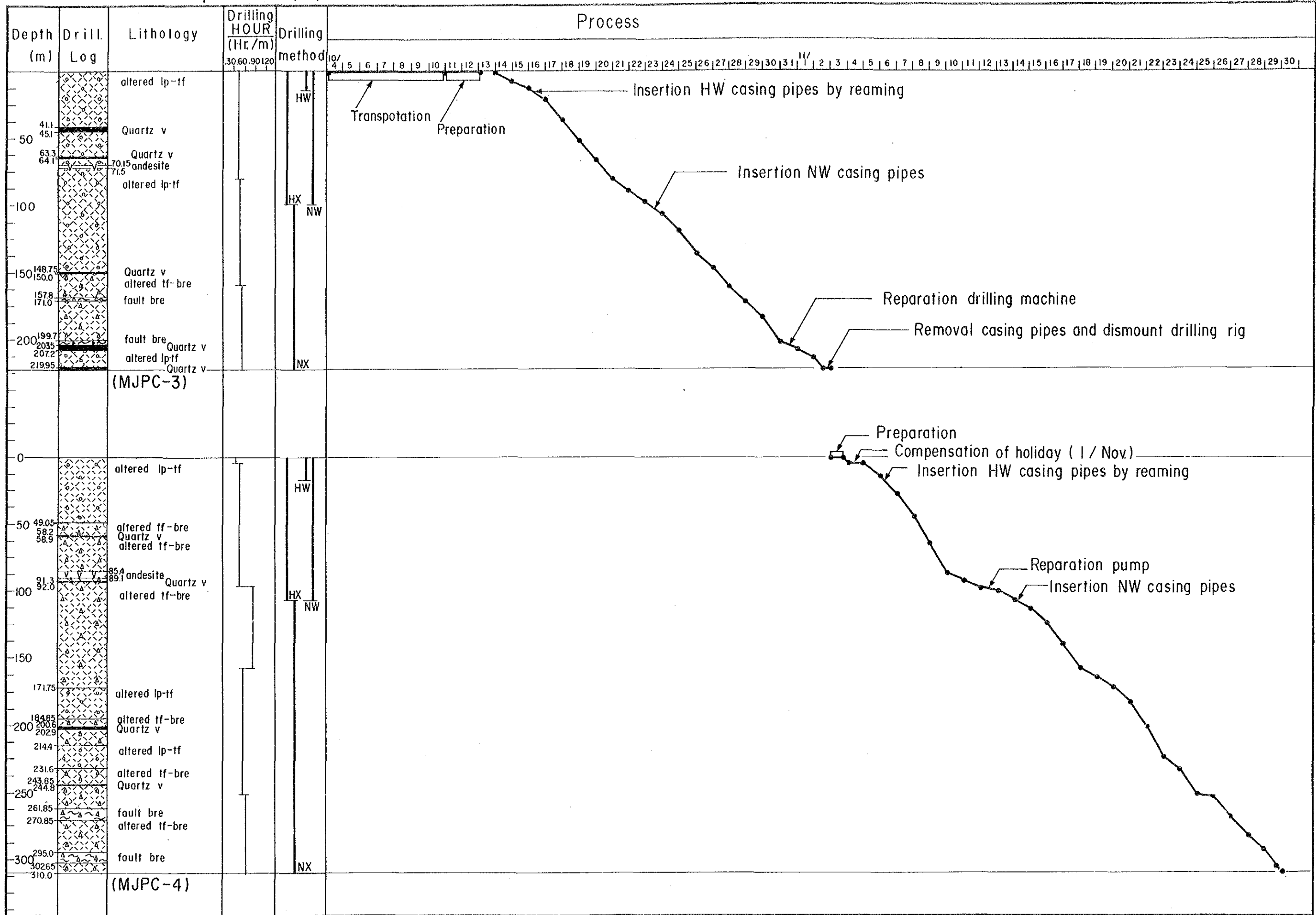
Trench-4

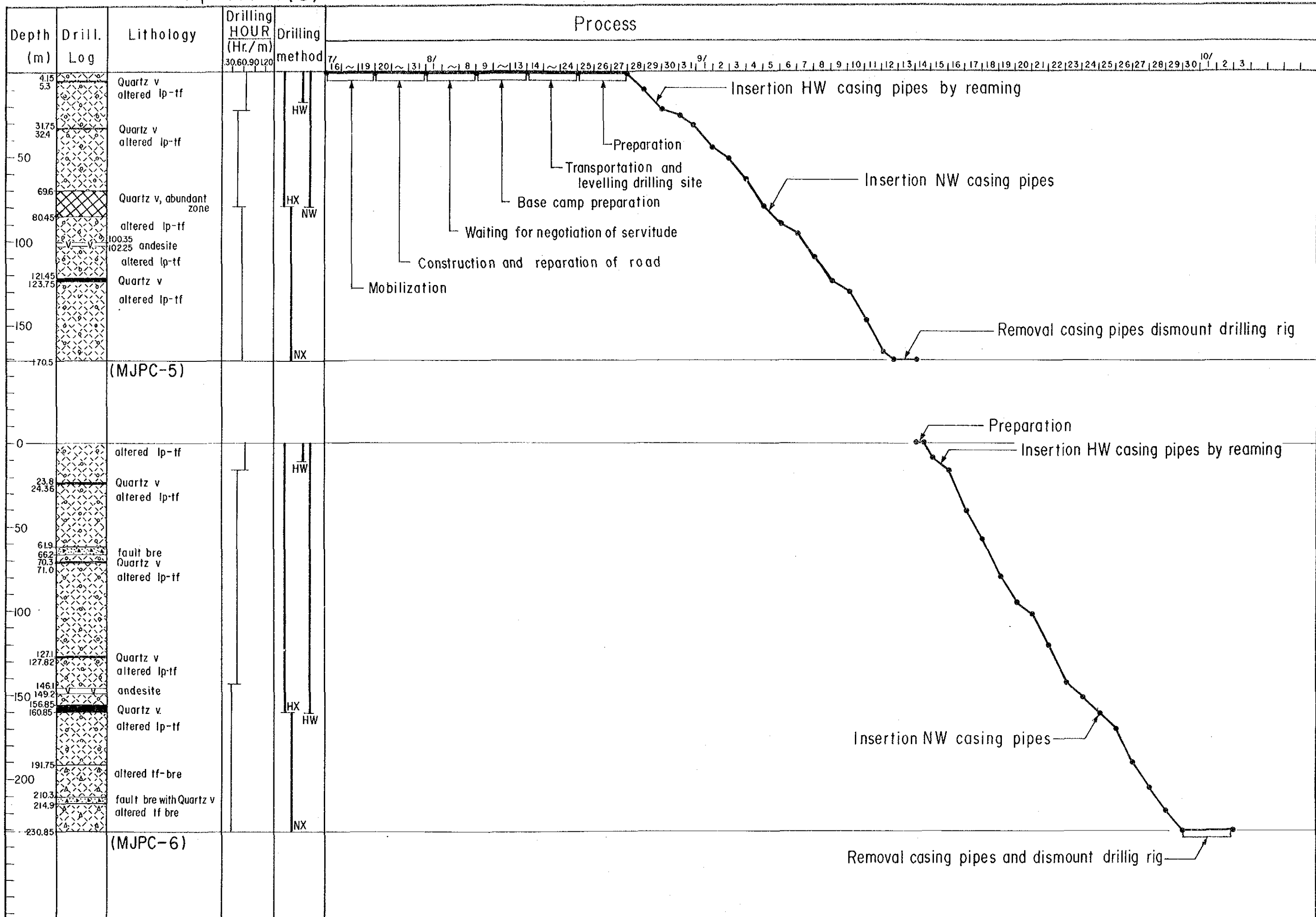


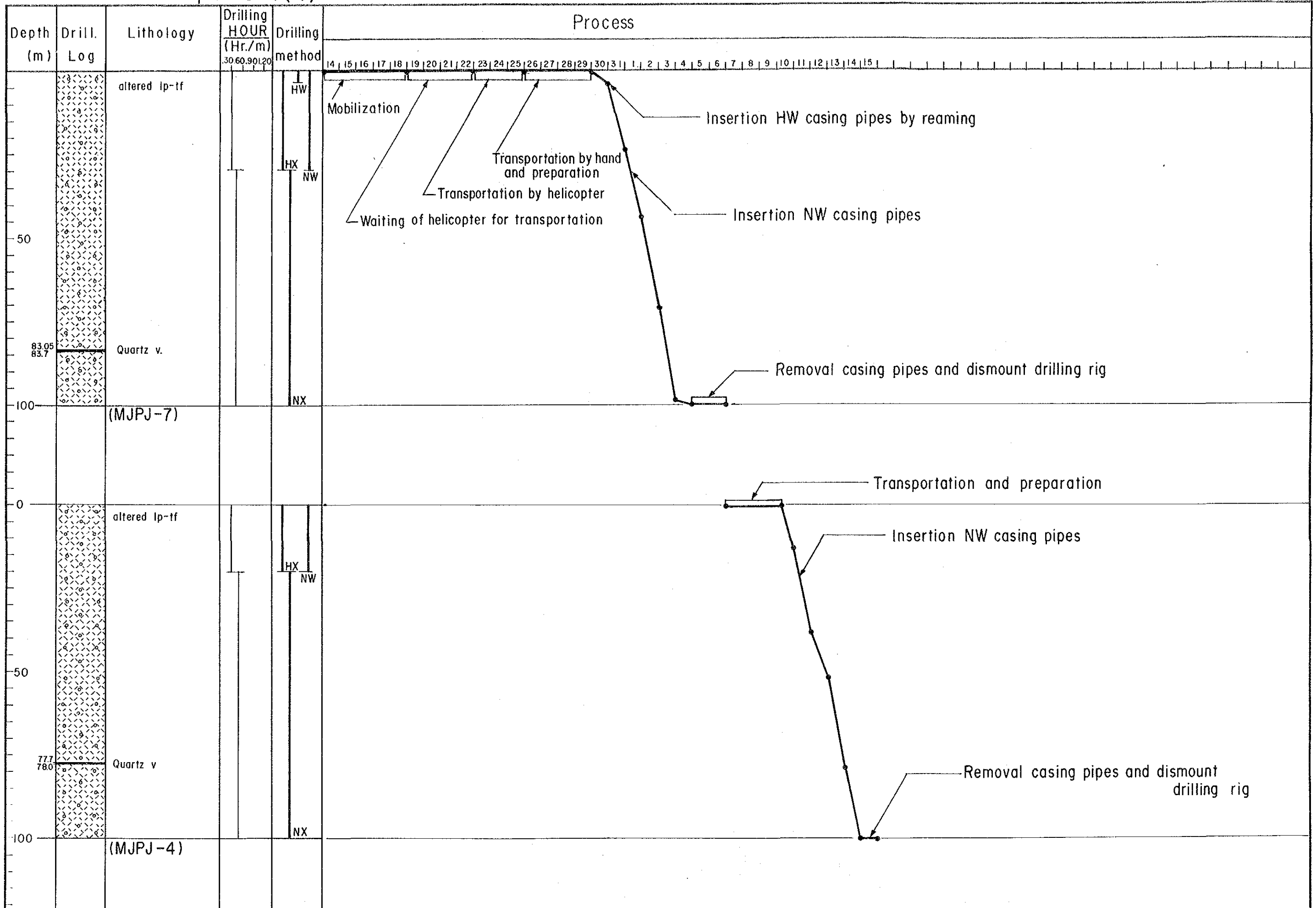
A-107

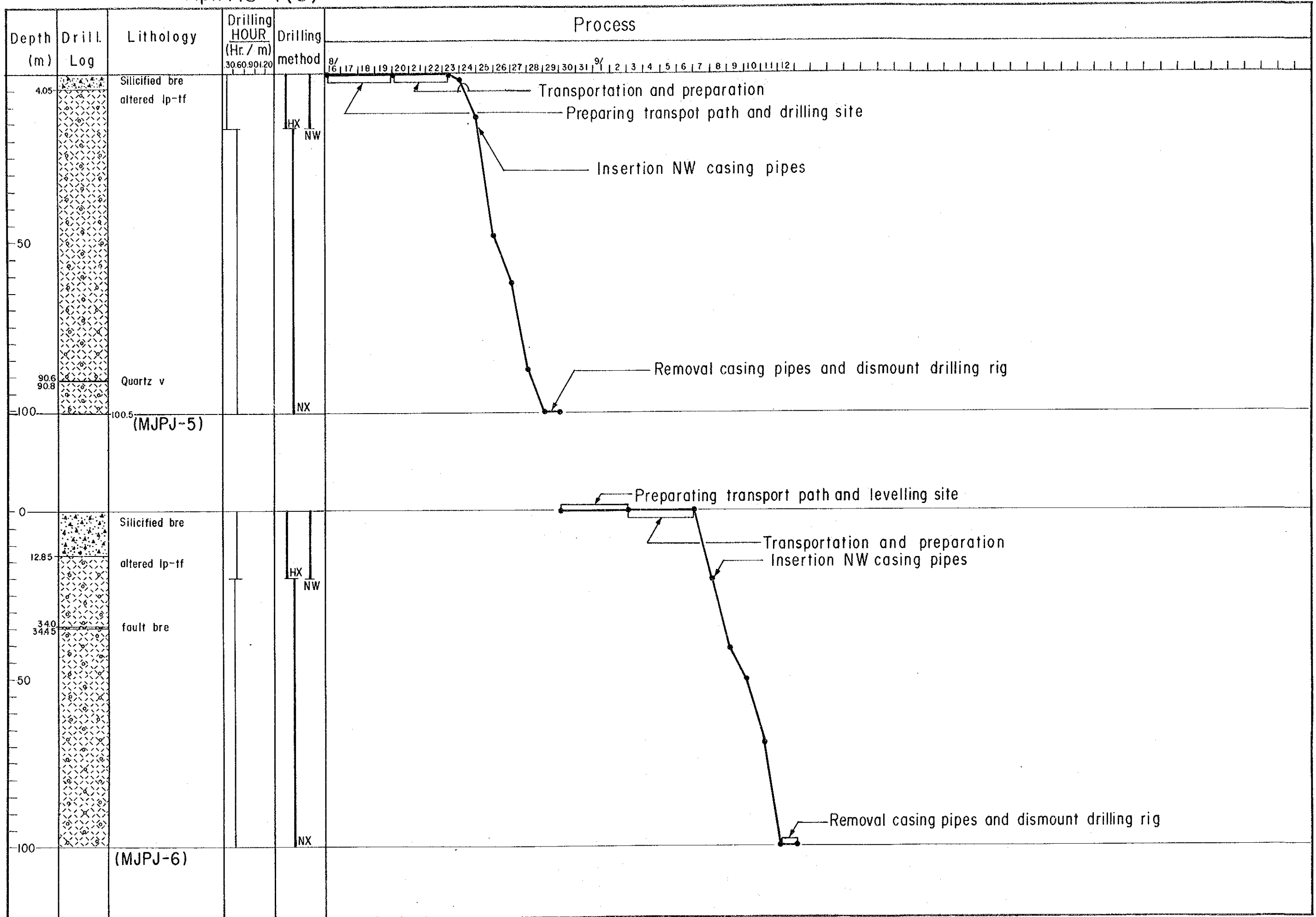
Apx. 15 Miscellaneous Data for the Drilling Survey

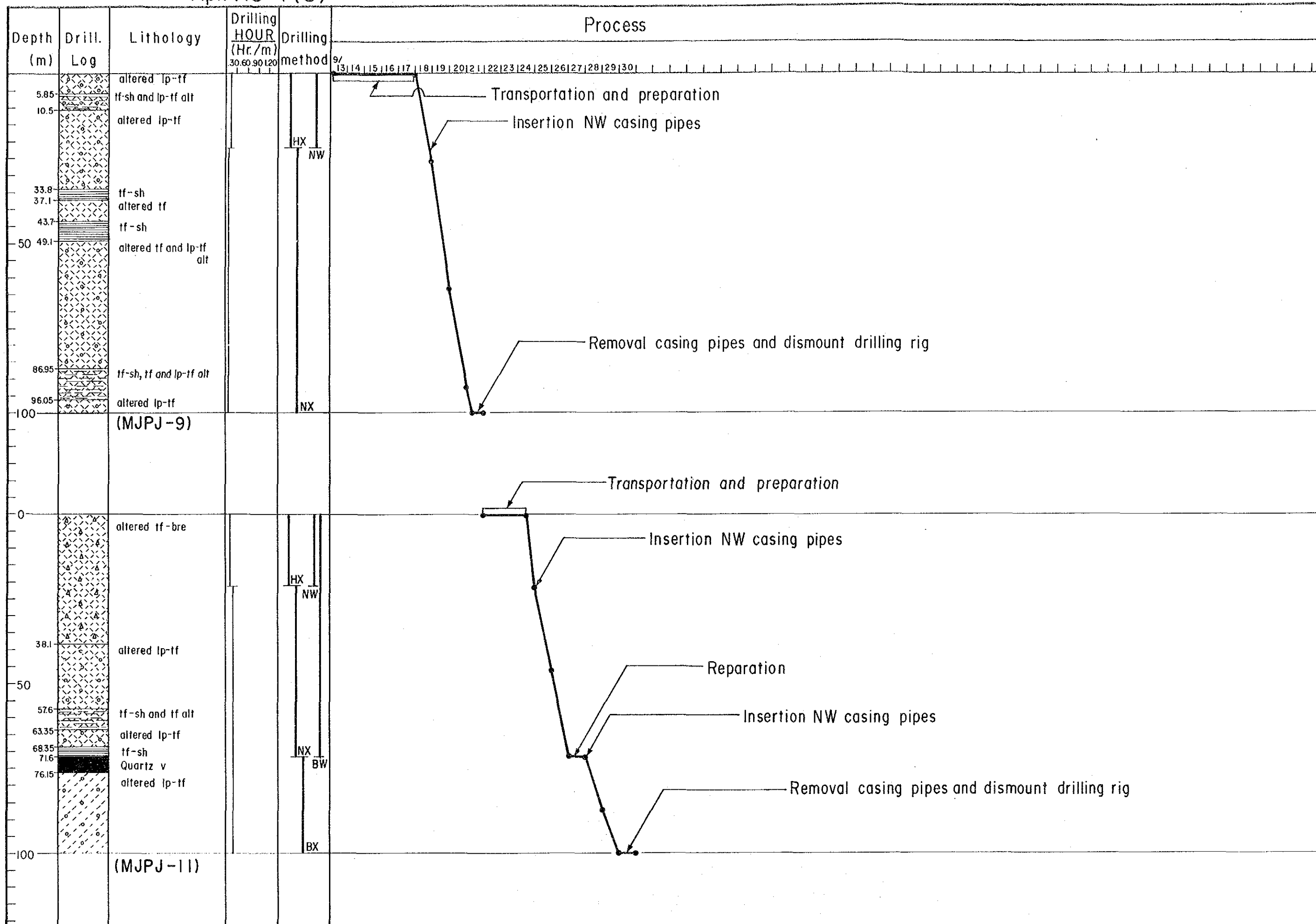


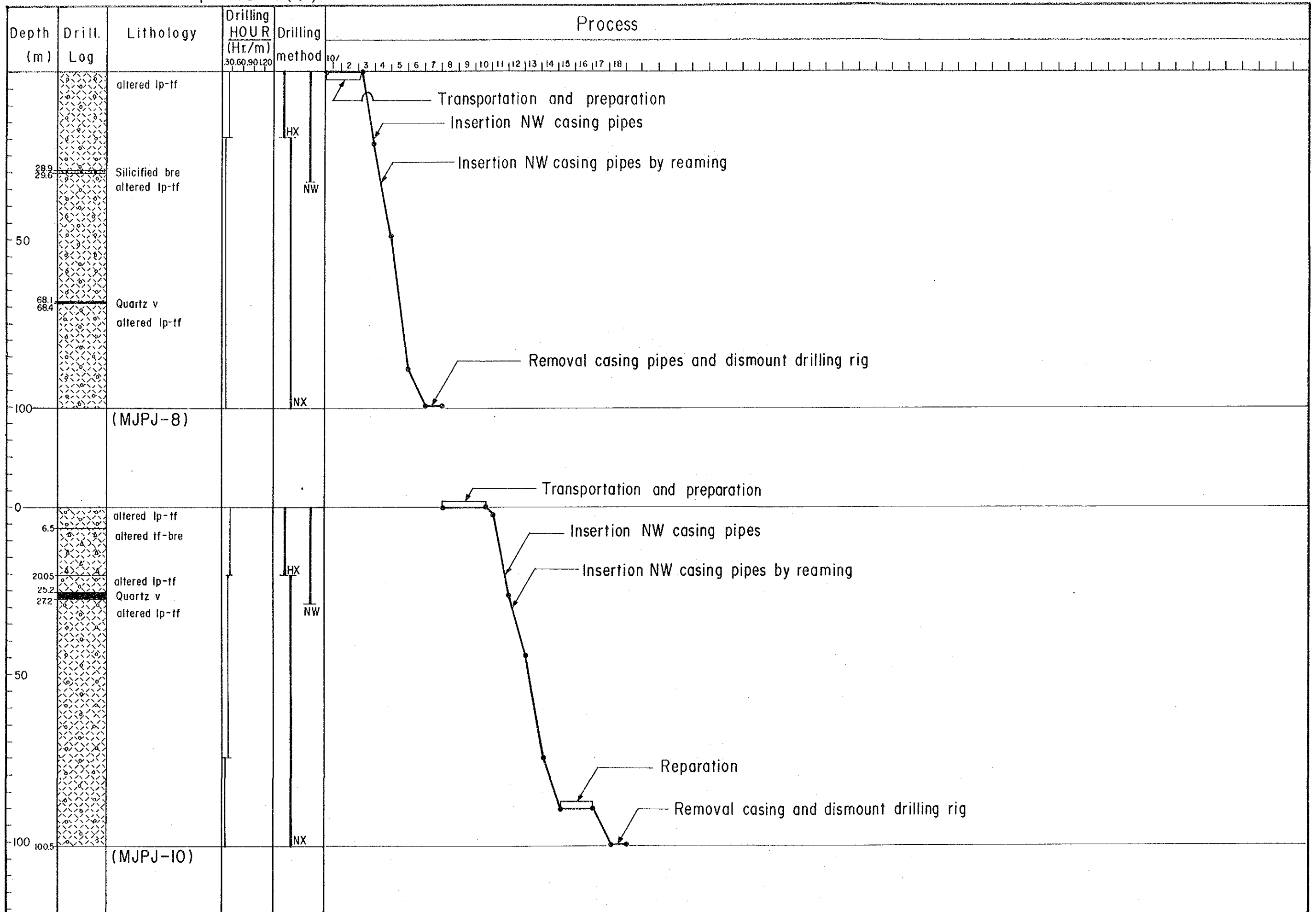


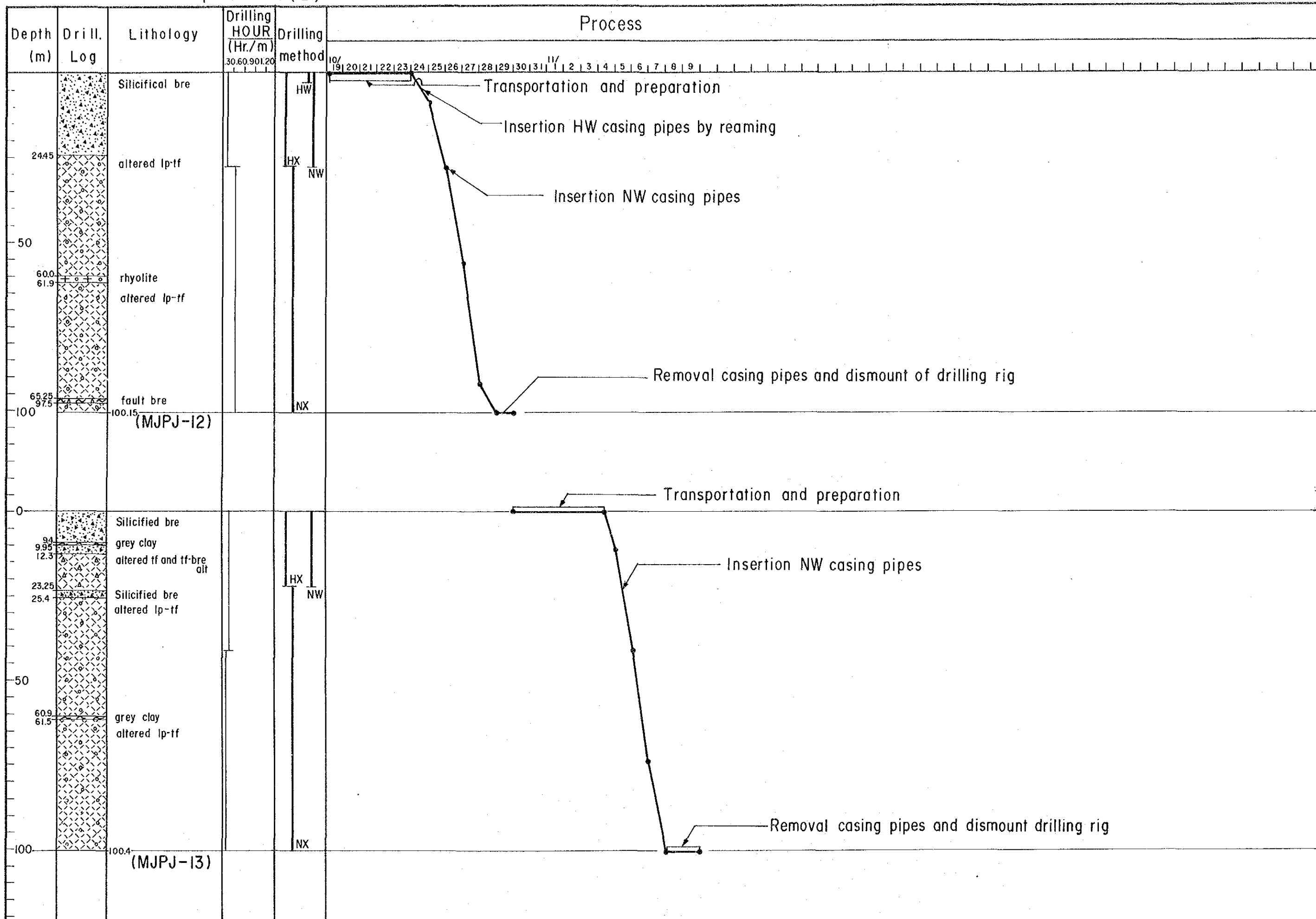












Apx.15 Miscellaneous Data for the Drilling survey

15-2-(1) List of the Used Equipment for Drilling

(MJPC-1, 2)

Item	Model	Quantity	Capacity, Type and Specification
Drilling Machine	L-38	1	Capacity NQ: 575m BQ: 725m Inner Diameter of Spindle: 78mm Wieght (except engine)
Engine for Drill	GMG	1	Diesel Engine 2,200rpm / 102ps
Pump	BEAM	2	Piston ϕ 68mm Capacity 18~137 liter/min. Pressure 46kg/min.
Engine for Pump	BOSCH	2	Diesel Engine 2,200rpm / 25ps
Generator	BRIGG-STRATON	1	5kVA 220v
		1	7kVA 220v
Engine for Generator		2	Diesel Engine 1,800rpm / 8.5ps
Mud Mixer	SRENKA	1	Volume 100 liter 800~1,000rpm/min.
Derrick	LONGYEAR	1	
Rod Holder	LONGYEAR	1	
Drill Rods	NC-WL	60	3.00 m/pc
	NX-WL	120	3.00 m/pc
	BX-WL	120	3.00 m/pc
Casing Pipes	HW	26	1.50 m/pc
	NW	50	3.00 m/pc
	BW	70	3.00 m/pc
Core Tube Assembly	NC-WL	2	1.50 m
	NX-WL	2	1.50 m
	BX-WL	2	1.50 m
Inner Tube Assembly	NC-WL	2	1.50 m
	NX-WL	2	1.50 m
	BX-WL	2	1.50 m

Apx.15-2-(2) List of the Used Equipment for Drilling

(MJPC-3~6)

Item	Model	Quantity	Capacity, Type and Specification
Drilling Machine	L-44	1	Capacity NQ: 790m BQ: 1,060m Inner Diameter of Spindle: 98mm
Engine for Drill	GMG	1	Diesel Engine 2,200rpm / 60~102ps
Pump	BEAM	2	Piston ϕ 68mm Capacity 18~137 liter/min. Pressure 46kg/min.
Engine for Pump	BOSCH	2	Diesel Engine 2,200rpm / 35ps
Generator	BRIGG-STRATON	2	5kVA 220v
Mud Mixer	SRENKA	1	Volume 100 liter 800~1,000rpm/min.
Derrick	LONGYEAR	1	
Rod Holder	LONGYEAR	1	
Drill Rods	NC-WL	60	3.00 m/pc
	NX-WL	130	3.00 m/pc
	BX-WL	130	3.00 m/pc
Casing Pipes	HW	20	1.50 m/pc
	NW	60	3.00 m/pc
	BW	70	3.00 m/pc
Core Tube Assembly	NC-WL	2	1.50 m
	NX-WL	2	1.50 m
	BX-WL	2	1.50 m
Inner Tube Assembly	NC-WL	3	1.50 m
	NX-WL	3	1.50 m
	BX-WL	3	1.50 m

Apx.15-2-(3) List of the Used Equipment for Drilling

(MJPJ-4~13)

Item	Model	Quantity	Capacity, Type and Specification
Drilling Machine	L-38	1	Capacity NQ: 575m BQ: 725m Inner Diameter of Spindle: 78mm Wieght (except engine)
Engine for Drill	GMG	1	Diesel Engine 2,200rpm / 102ps
Pump	BEAM	2	Piston ϕ 68mm Capacity 18~137 liter/min. Pressure 46kg/min.
Engine for Pump	BOSCH	2	Diesel Engine 2,200rpm / 33ps
Generator	BRIGG-STRATON	2	5kVA 220v
		1	7kVA 220v
Engine for Generator		2	Diesel Engine 1,800rpm / 8.5ps
Mud Mixer	SRENKA	1	Volume 100 liter 800~1,000rpm/min.
Derrick	LONGYEAR	1	
Rod Holder	LONGYEAR	1	
Drill Rods	NC-WL	20	3.00 m/pc
	NX-WL	50	3.00 m/pc
	BX-WL	50	3.00 m/pc
Casing Pipes	HW	15	1.50 m/pc
	NW	20	3.00 m/pc
	BW	20	3.00 m/pc
Core Tube Assembly	NC-WL	2	1.50 m
	NX-WL	2	1.50 m
	BX-WL	2	1.50 m
Inner Tube Assembly	NC-WL	2	1.50 m
	NX-WL	2	1.50 m
	BX-WL	2	1.50 m

Apx. 15-3 Articles of Consumption and Drilling Parts

Item	Specification	Unit	Chontali							Jehuamarca										
			Quantity							Quantity										
			MJPC-1	MJPC-2	MJPC-3	MJPC-4	MJPC-5	MJPC-6	Total	MJPI-4	MJPI-5	MJPI-6	MJPI-7	MJPI-8	MJPI-9	MJPI-10	MJPI-11	MJPI-12	MJPI-13	Total
Light Oil		liter	2,590	2,280	2,555	3,230	1,660	1,960	14,275	560	780	640	600	520	470	650	550	640	530	5,940
Gasolin Oil		"	1,665	1,870	1,980	2,160	1,200	1,270	10,145	510	730	420	680	400	290	595	380	540	405	4,950
Hydraulic Oil		"	80	-	40	-	100	-	220	-	-	50	60	-	-	-	-	-	20	130
Drilling Oil		"	150	80	220	105	110	140	805	90	60	80	40	60	40	120	70	100	70	830
Grease		kg	30	46	32	100	25	30	263	13	11	10	-	10	15	25	10	20	15	129
Mobil Oil		liter	40	30	30	35	30	25	190	12	15	13	10	-	15	20	15	15	15	130
Bentonite	40kg/bag	bag	46	80	71	109	54	66	426	35	33	30	8	38	28	35	33	29	29	298
CMC		kg	90	131	146	157	99	137	760	26	25	56	10	70	80	69	50	67	55	508
Cement	47kg/bag	bag	7	-	8	-	8	-	23	5	8	7	6	7	5	7	8	7	6	66
Single Core Tube	116mm×0.5m	Set	1	-	1	-	1	-	3	-	-	-	-	-	-	-	-	-	-	-
Wireline Core Barrel	NC×1.7m	"	1	1	1	-	1	-	4	-	-	-	1	-	1	-	-	1	-	3
"	NX×1.7m	"	1	1	1	-	1	-	4	-	-	-	1	-	1	-	-	1	-	4
"	BX×1.7m	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Inner Tube Assembly	NC×1.7m	"	1	1	1	1	1	-	5	-	-	1	1	-	-	-	-	-	-	2
"	NX×1.7m	"	1	1	1	-	1	-	4	-	-	1	1	-	-	-	1	-	-	3
"	BX×1.7m	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Outer Tube	NC×1.5m	"	1	1	1	1	1	-	5	-	-	1	1	-	-	-	-	1	-	3
"	NX×1.5m	"	1	1	1	1	1	-	5	-	-	-	1	-	1	-	-	1	-	3
"	BX×1.5m	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inner Tube	NC×1.5m	"	1	1	2	1	-	1	6	-	1	-	1	-	-	1	1	1	-	5
"	NX×1.5m	"	1	1	1	1	-	1	5	-	1	-	1	1	1	-	-	2	-	6
"	BX×1.5m	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Casing Diamond Shoe	HW	PC	-	-	-	-	-	-	-	1	1	1	1	2	1	1	1	-	-	9
"	NW	"	1	1	1	1	1	1	6	-	-	-	-	-	-	-	1	1	1	3
Wire Rope	6mm×500m	roll	1	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	-	1
"	12mm×90m	"	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	1
"	18mm×100m	"	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	1
Manila Rope		PC	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	1
Pump Packing		"	6	-	6	-	-	6	18	-	6	-	-	6	-	-	-	6	-	18
Piston Rod		"	-	3	2	-	-	-	5	-	-	2	-	1	-	-	-	-	-	3
Guide Pipe	NC	"	1	-	-	1	-	1	3	-	1	-	-	-	-	-	1	-	-	2
"	NX	"	-	1	-	1	-	1	3	-	1	-	-	1	-	-	1	-	-	3
Valve Steel Ball	38.1φ	"	-	6	6	-	-	-	12	-	-	-	-	-	6	-	-	-	-	6
Guide Coupling	NC	"	-	1	1	1	-	1	4	-	1	-	-	-	1	1	-	-	-	3
"	NX	"	-	1	-	1	-	-	2	-	-	-	-	1	1	1	-	-	-	3
Suction Hose		"	1	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	-	1
Water Swivel Packing		"	-	4	4	4	-	4	16	4	-	4	-	-	4	-	-	3	-	15
Water Swivel Spindle		"	-	1	1	-	-	-	2	-	-	-	-	-	1	-	-	-	-	1
V Belt		"	-	2	3	-	-	-	5	2	-	-	-	-	-	3	-	-	1	6
Core Lifter	NC	"	4	3	3	3	4	5	22	1	2	1	2	1	1	1	1	1	1	12
"	NX	"	2	4	4	6	4	3	23	2	2	3	3	2	2	3	2	2	2	23
Core Lifter Case	NC	"	2	3	2	3	1	2	13	-	1	-	2	1	1	1	-	1	-	7
"	NX	"	2	3	2	3	1	1	12	1	2	2	2	1	-	1	1	1	-	11
Core Box	NC	"	18	26	30	31	23	31	159	6	5	5	9	6	7	6	6	7	6	63
"	NX	"	17	34	27	46	20	30	174	17	18	17	15	19	17	19	12	15	18	167
"	BX	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	5

THE UNIVERSITY OF CHICAGO