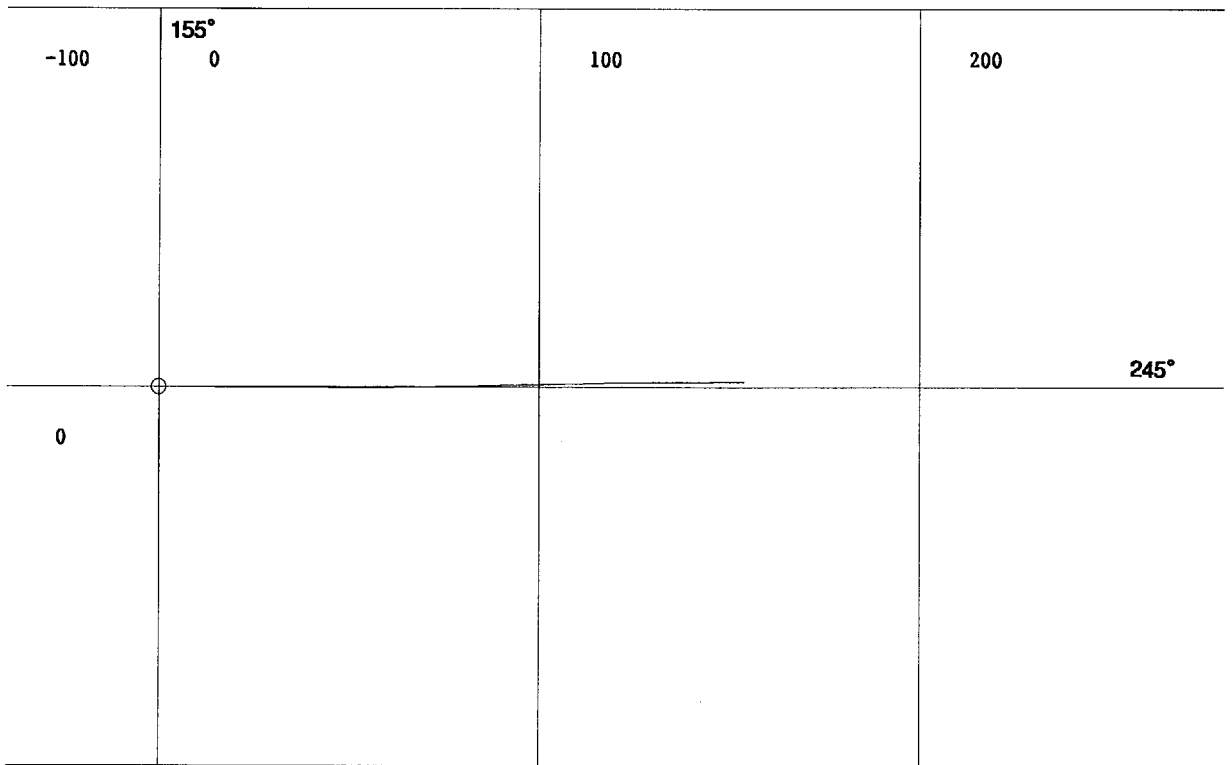
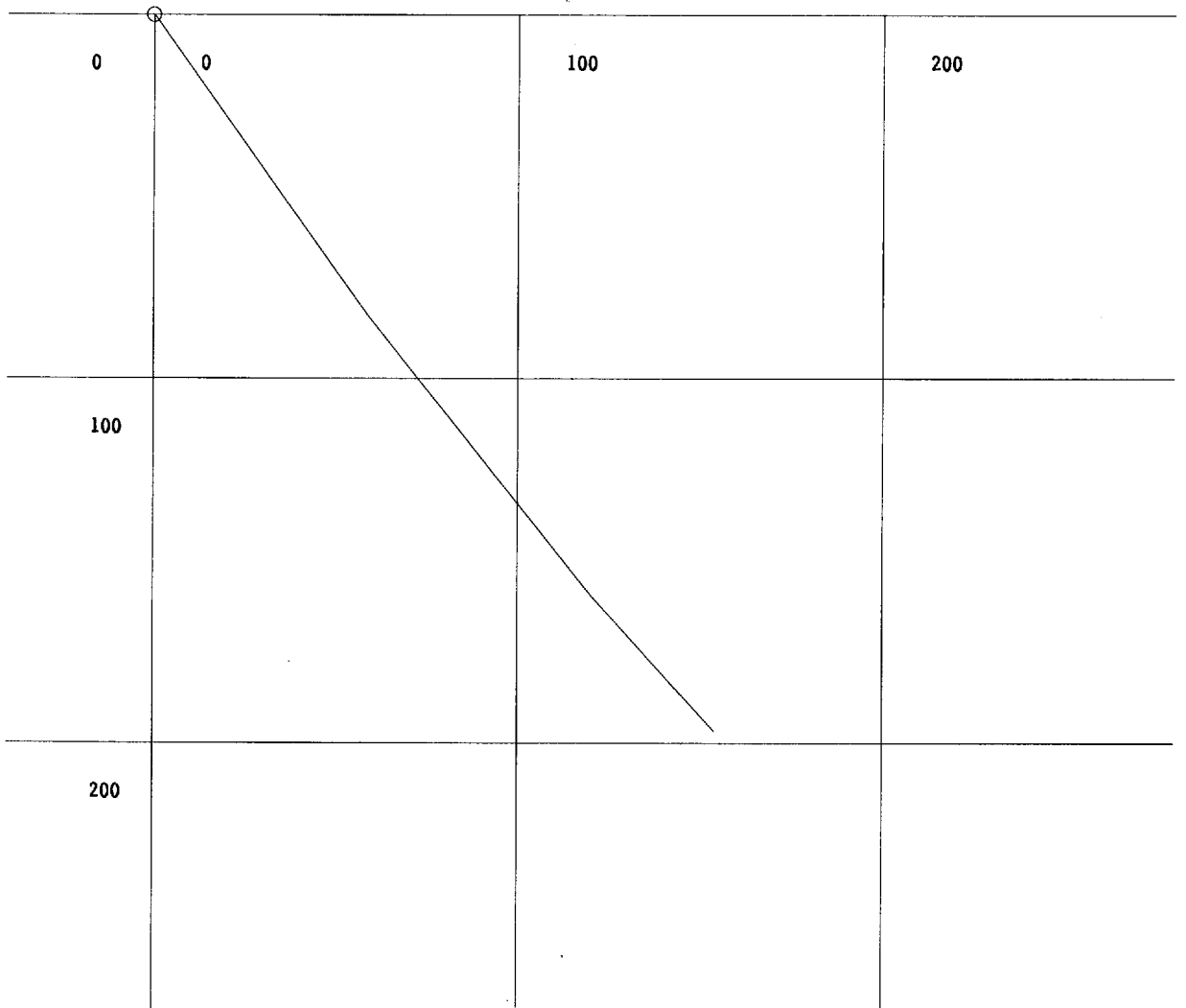


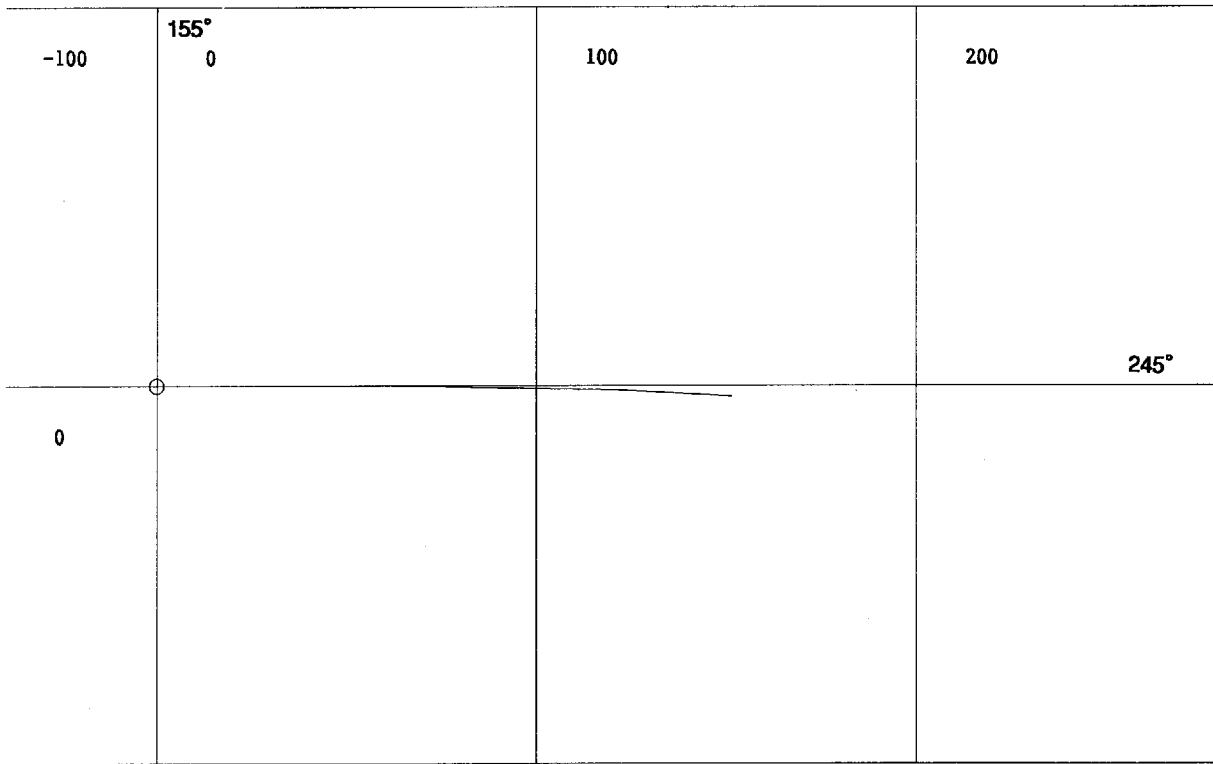
Appendix 1-28 Borehole Deviations of MJSU-1 to MJSU-8



100

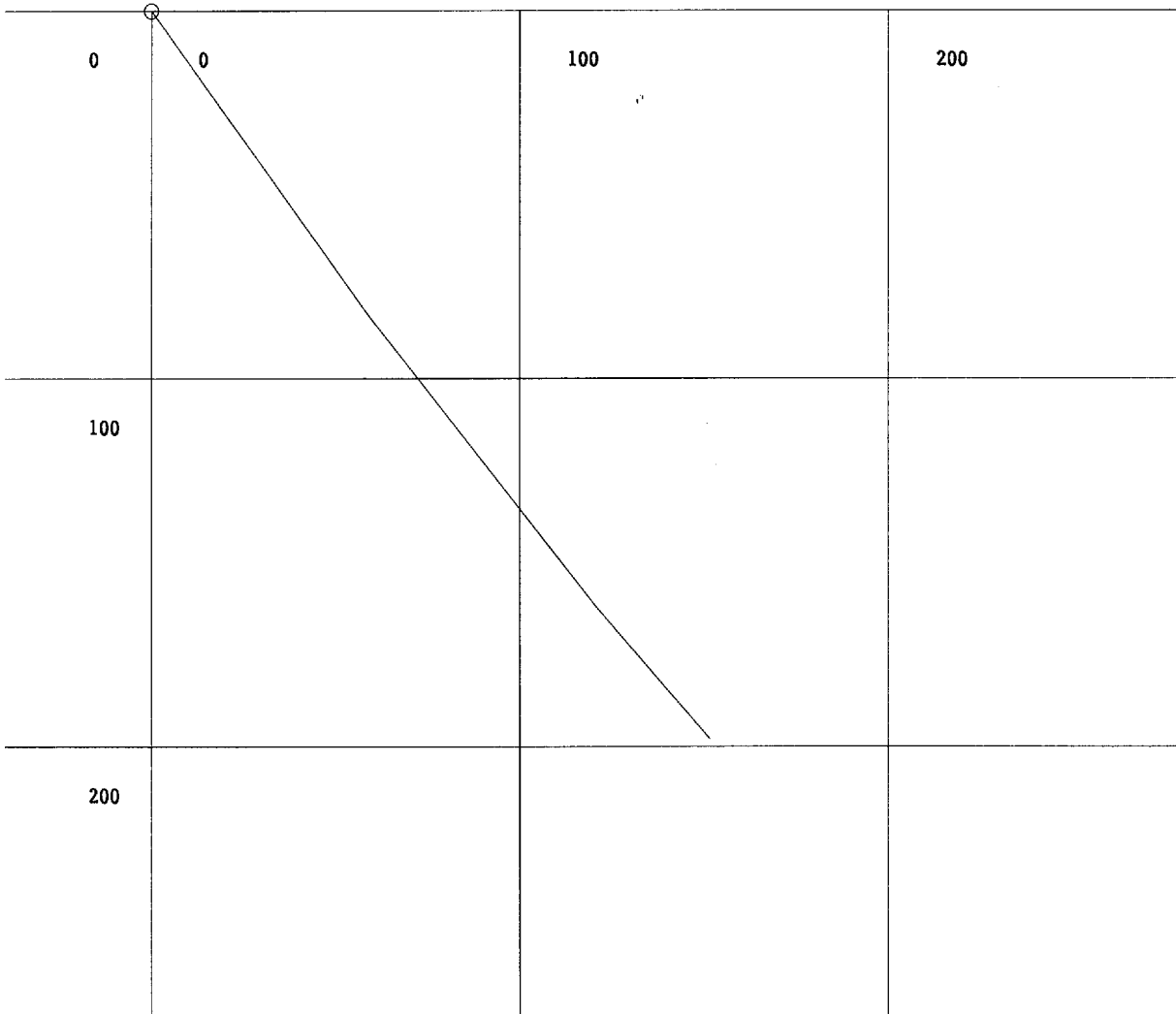
SECTION Looking 155°





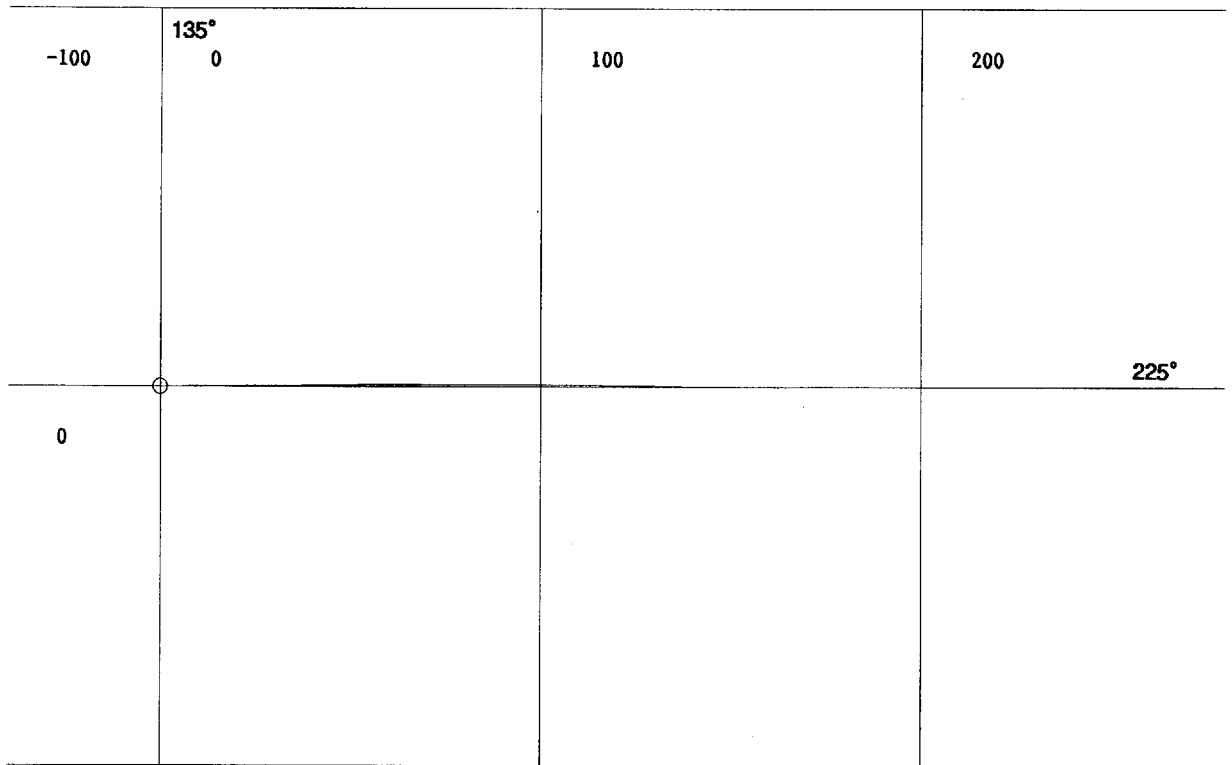
100

SECTION Looking 155°



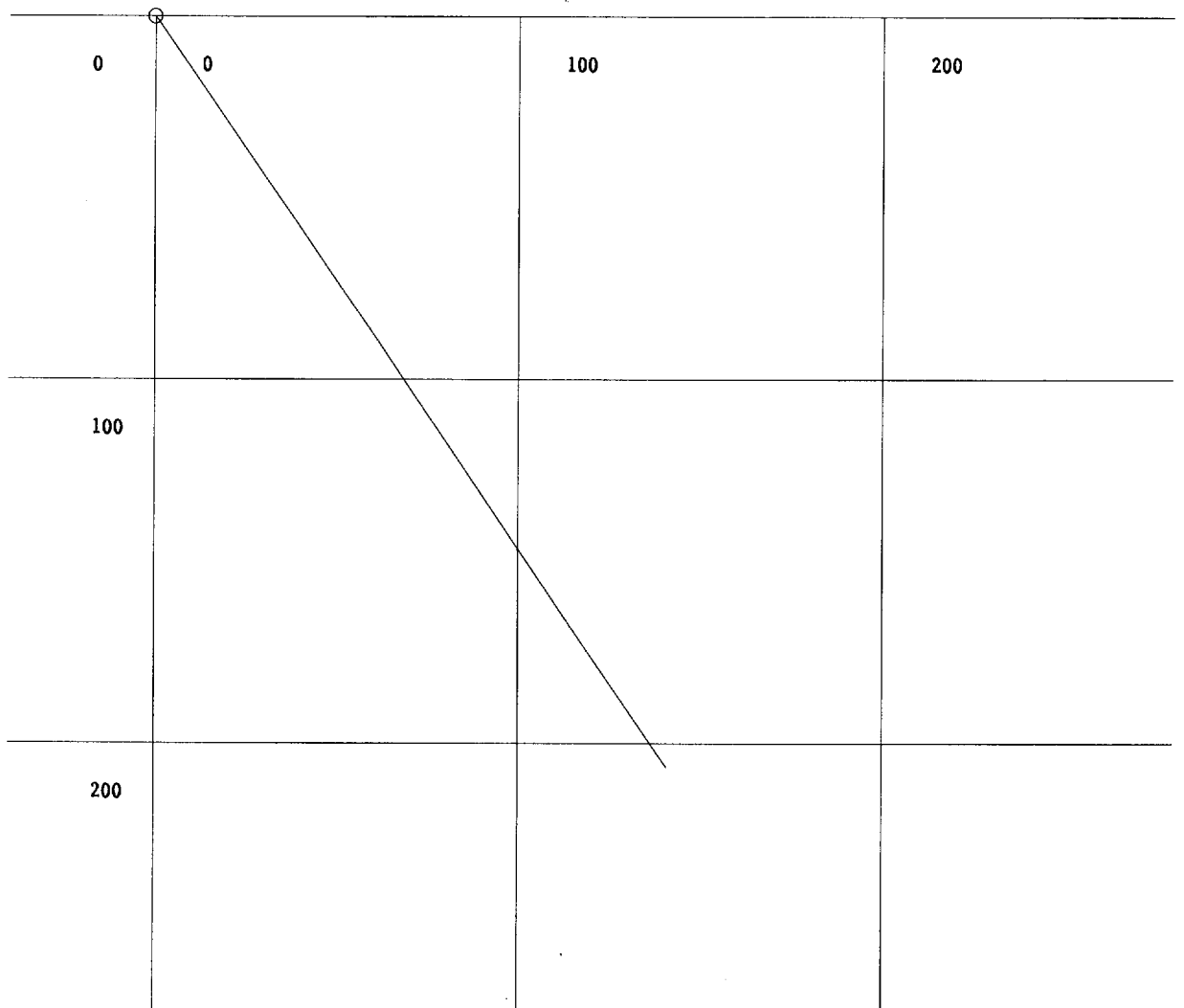
PLAN at 1/2000 grid 100m interval

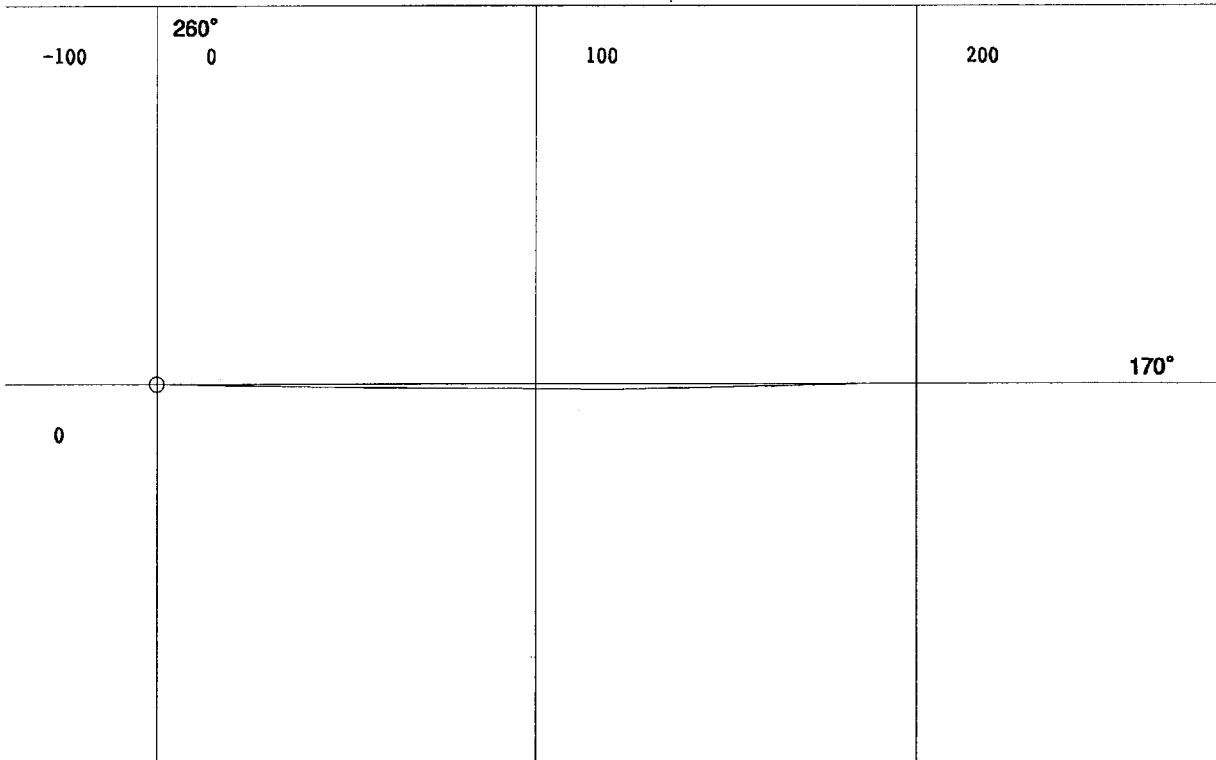
MJSU-3



100

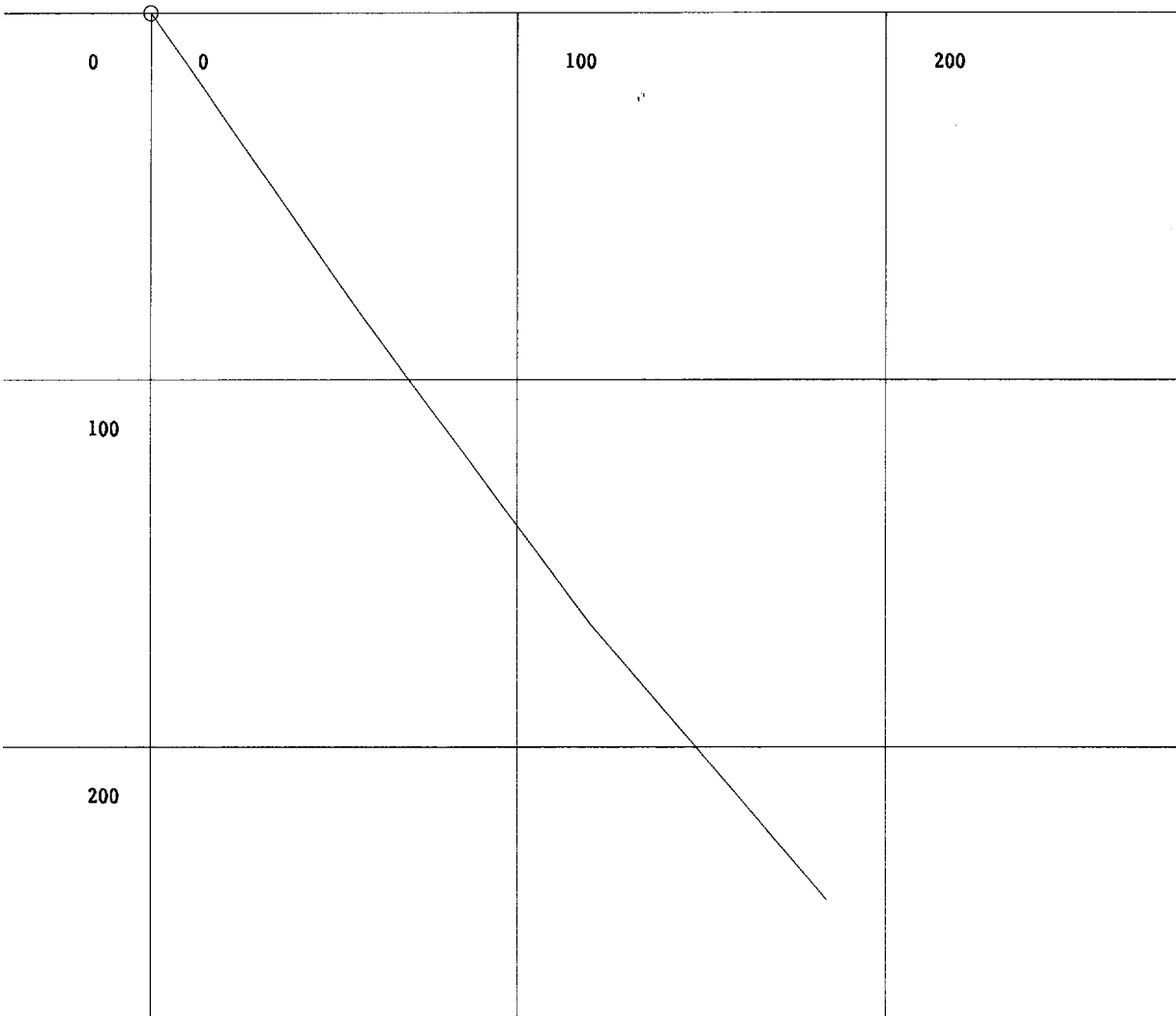
SECTION Looking 135°





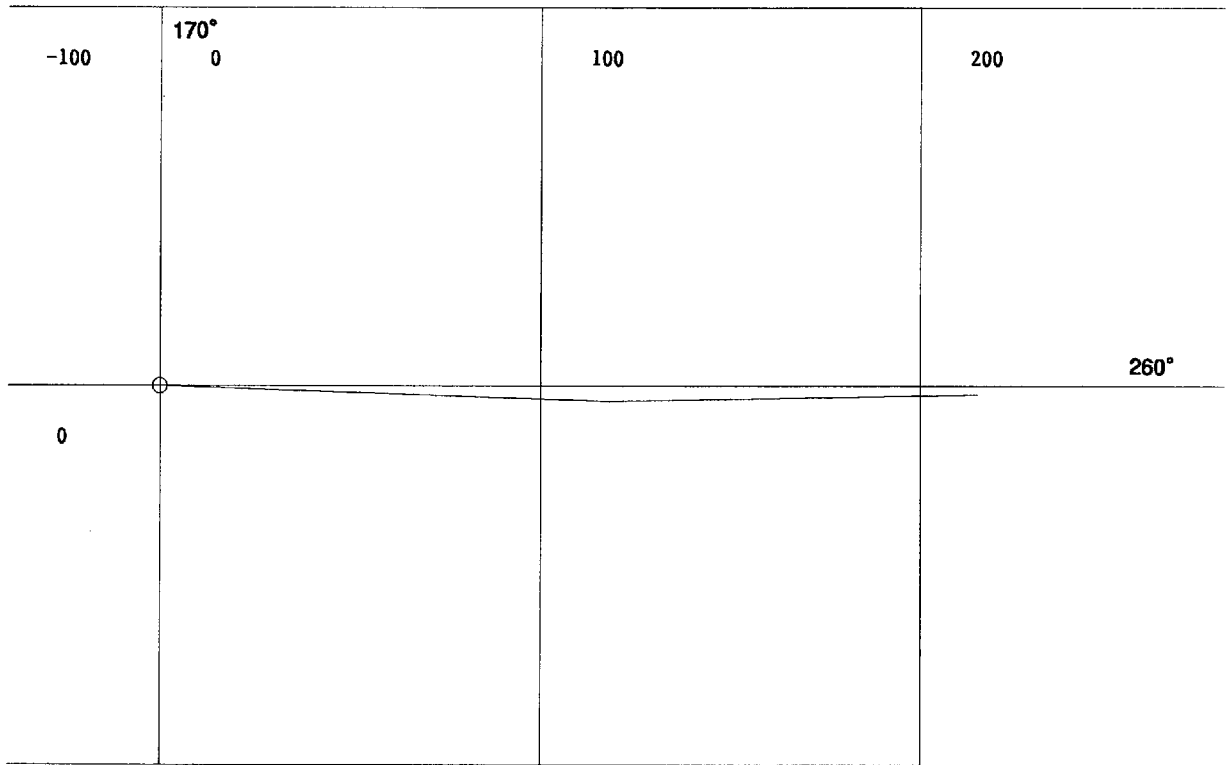
100

SECTION Looking 170°



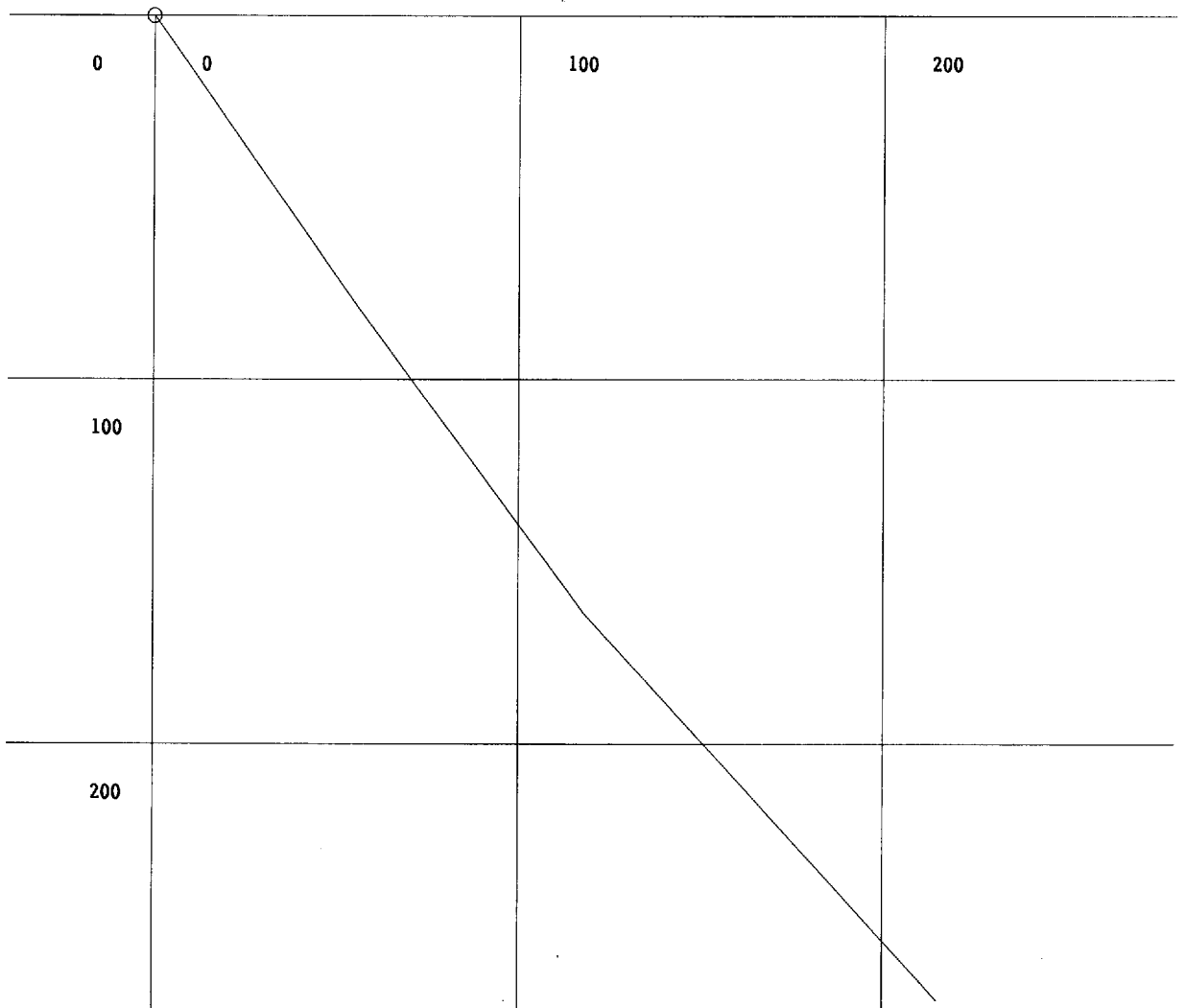
PLAN at 1/2000 grid 100m interval

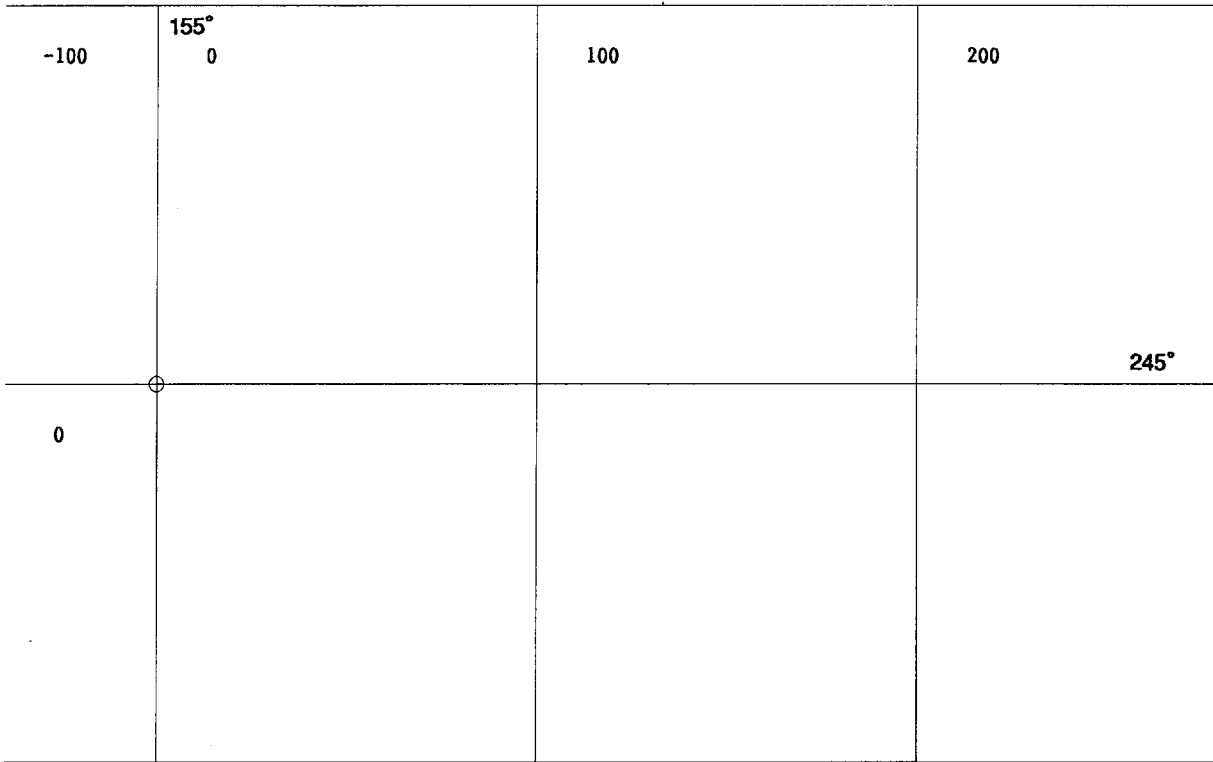
MJSU-5



100

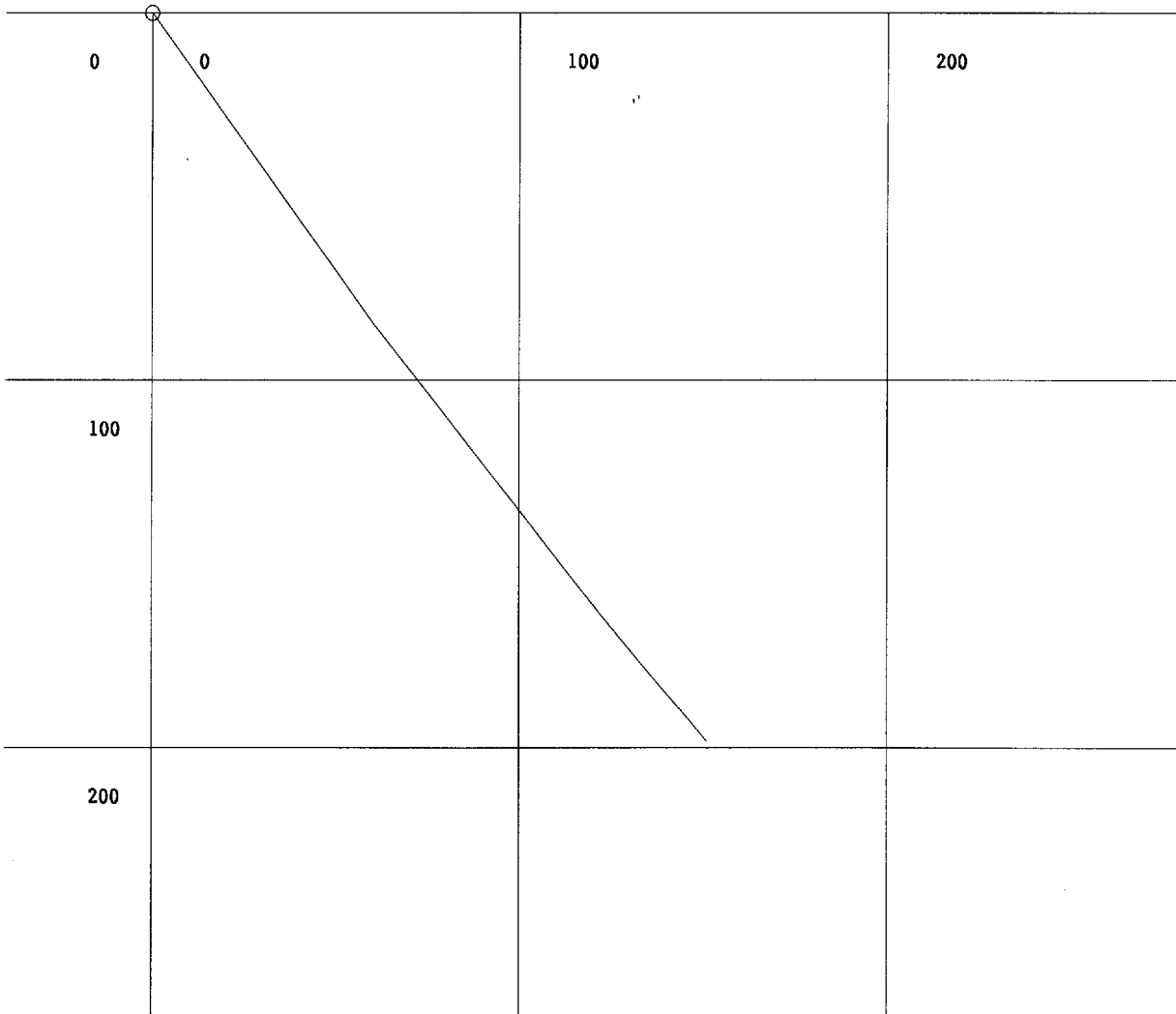
SECTION Looking 170°





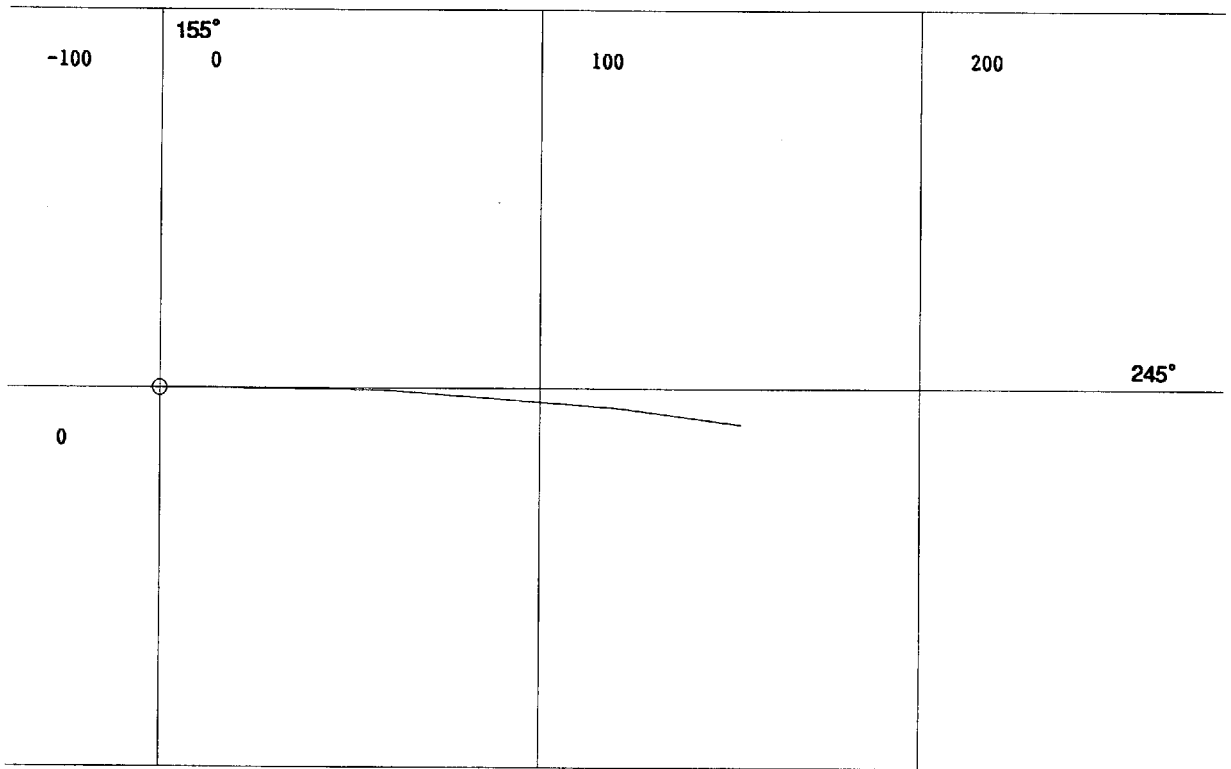
100

SECTION Looking 155°



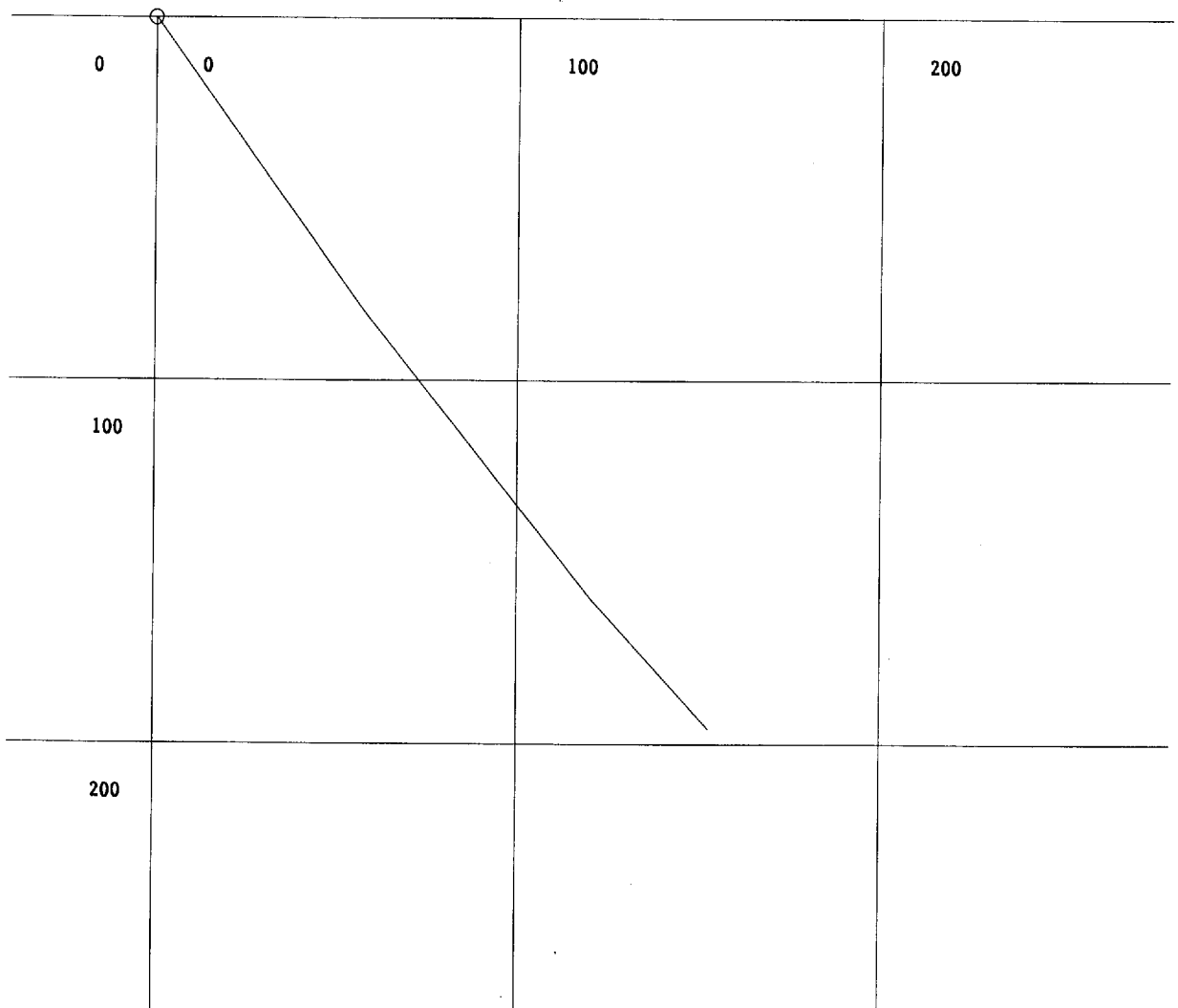
PLAN at 1/2000 grid 100m interval

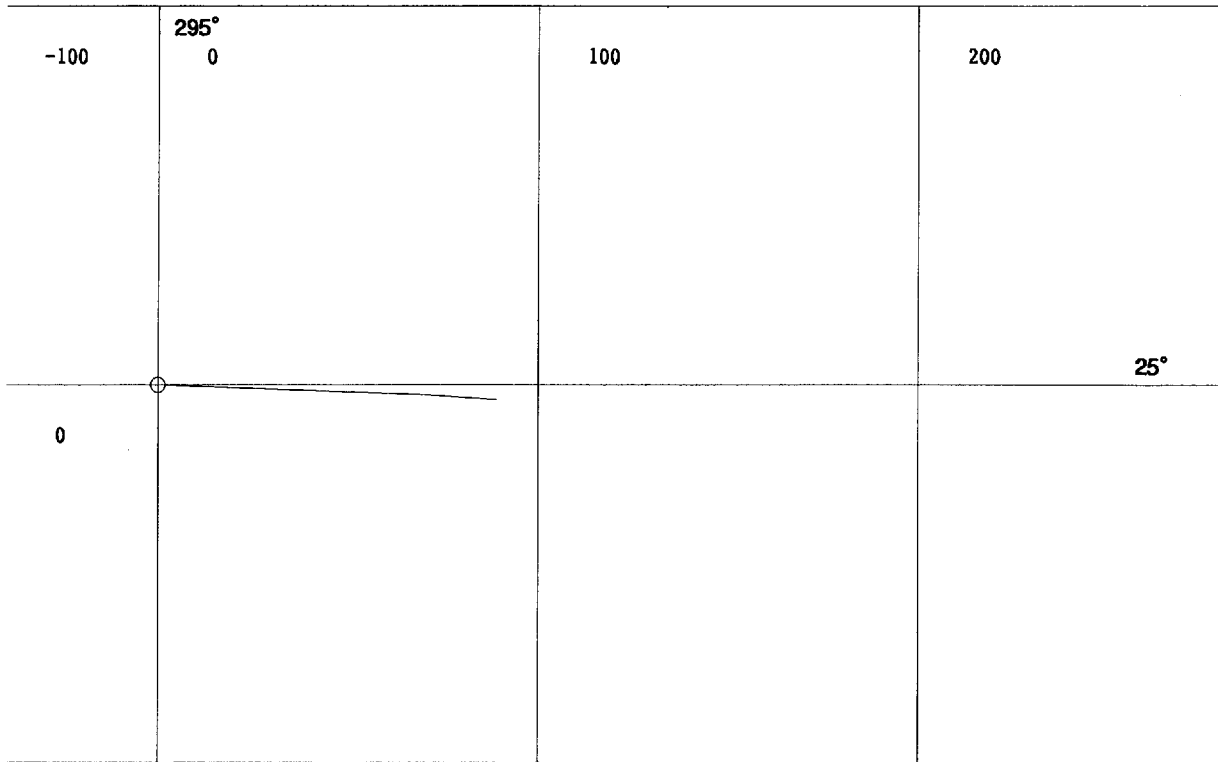
MJSU-7



100

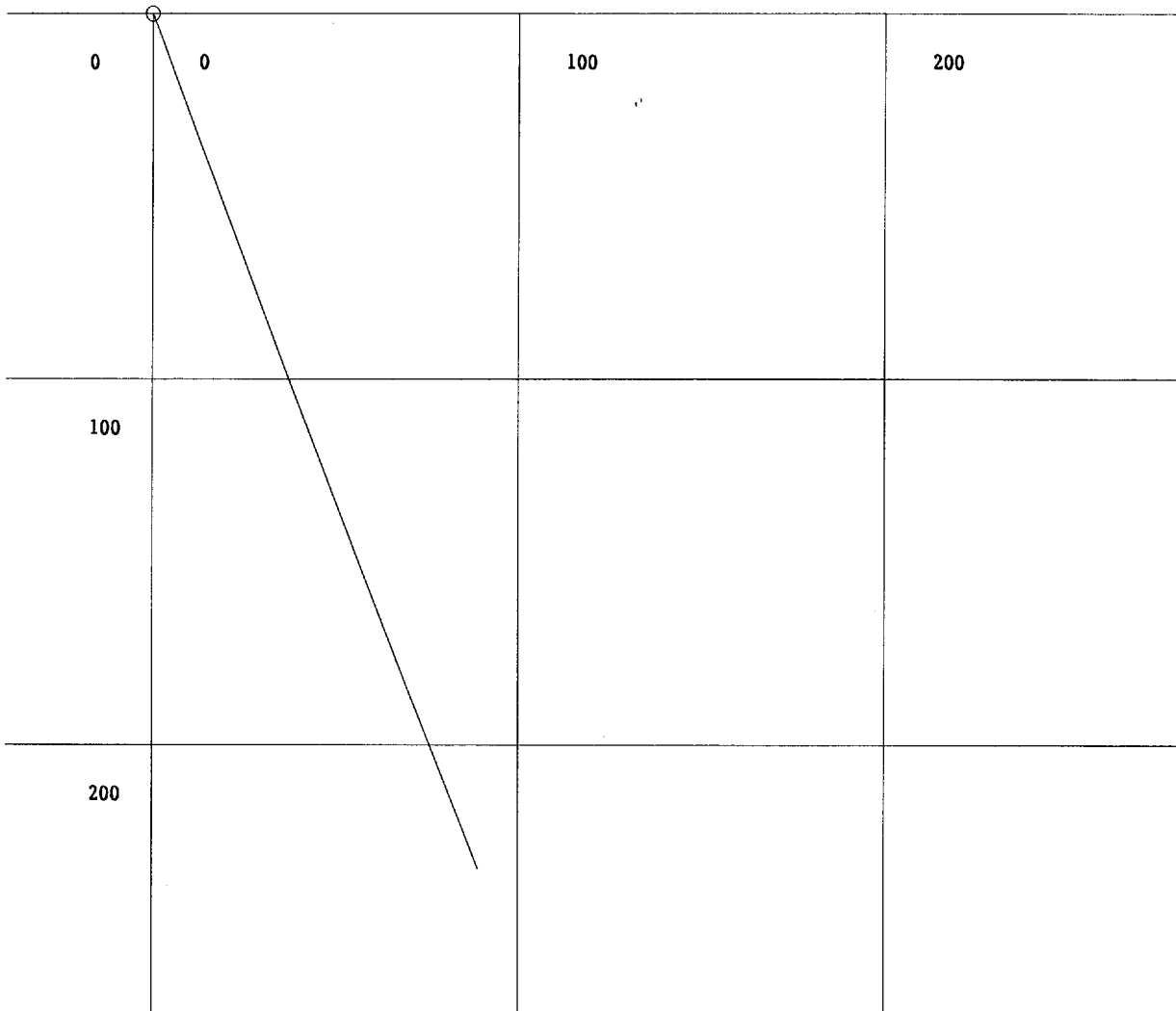
SECTION Looking 155°





100

SECTION Looking 295°



Borehole Deviations

Drill Hole No.	Depth	Direction	Inclination
MJSU-1	0.0	245.0	-55.0
	102.0	245.5	-54.0
	200.0	242.0	-49.0
	250.0	247.0	-46.0
MJSU-2	0.0	245.0	-55.0
	102.0	245.0	-54.0
	202.0	247.0	-50.0
	249.5	249.0	-49.0
MJSU-3	0.0	225.0	-55.0
	105.0	224.0	-56.0
	200.0	226.0	-56.0
	250.0	226.0	-55.0
MJSU-4	0.0	260.0	-55.0
	102.0	262.0	-55.0
	205.0	259.0	-52.0
	304.0	258.5	-47.0
MJSU-5	0.0	260.0	-55.0
	102.0	264.0	-55.0
	202.0	260.0	-52.0
	346.0	258.0	-43.0
MJSU-6	0.0	245.0	-55.0
	104.0	245.0	-54.0
	205.0	245.0	-50.0
	249.5	245.0	-50.0
MJSU-7	0.0	245.0	-55.0
	100.0	246.0	-54.0
	200.0	252.0	-49.0
	249.0	253.0	-46.0
MJSU-8	0.0	25.0	-70.0
	105.0	29.0	-69.0
	200.0	29.0	-69.0
	250.0	29.0	-68.0

Appendix 1-29 Results of Ore Assay (Core Samples)

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Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-1	1	6.30	7.95	1.65	<0.05	0.6	0.00	0.00	0.00	0.14
	2	13.50	14.55	1.05	<0.05	0.6	0.00	0.00	0.00	<0.05
	3	14.55	15.00	0.45	<0.05	0.7	0.00	0.01	0.00	<0.05
	4	15.00	15.75	0.75	<0.05	0.6	0.00	0.00	0.00	<0.05
	5	15.75	17.40	1.65	<0.05	0.7	0.01	0.01	0.00	<0.05
	6	17.40	18.65	1.25	<0.05	0.6	0.00	0.01	0.00	<0.05
	7	23.05	24.20	1.15	<0.05	0.5	0.00	0.01	0.00	0.32
	8	24.20	25.75	1.55	<0.05	0.6	0.00	0.01	0.00	1.05
	9	25.75	26.65	0.90	<0.05	0.5	0.00	0.01	0.00	0.43
	10	26.65	27.30	0.65	<0.05	0.6	0.01	0.01	0.00	1.45
	11	31.00	32.75	1.75	<0.05	0.6	0.00	0.00	0.00	1.95
	12	32.75	33.75	1.00	<0.05	0.6	0.00	0.01	0.00	1.40
	13	46.90	47.90	1.00	<0.05	1.0	0.01	0.01	0.00	<0.05
	14	47.90	48.90	1.00	<0.05	1.2	0.04	0.01	0.00	1.50
	15	48.90	49.90	1.00	<0.05	1.1	0.01	0.01	0.00	0.26
	16	55.85	56.85	1.00	<0.05	0.7	0.00	0.01	0.00	0.40
	17	91.05	92.20	1.15	<0.05	2.7	0.01	0.51	0.01	10.50
	18	96.35	96.50	0.15	<0.05	13.2	2.19	0.01	0.01	5.92
	19	96.50	97.50	1.00	<0.05	0.9	0.02	0.01	0.00	3.10
	20	97.50	98.50	1.00	<0.05	1.3	0.01	0.01	0.00	5.20
	21	98.50	99.50	1.00	<0.05	1.5	0.02	0.01	0.00	3.80
	22	99.50	100.50	1.00	<0.05	1.1	0.03	0.01	0.00	1.26
	23	100.50	101.50	1.00	<0.05	1.1	0.06	0.01	0.00	3.10
	24	101.50	102.50	1.00	<0.05	1.0	0.02	0.00	0.00	4.30
	25	102.50	103.50	1.00	<0.05	0.7	0.03	0.00	0.00	2.80
	26	103.50	104.20	0.70	<0.05	1.0	0.11	0.00	0.00	7.05
	27	120.85	121.50	0.65	<0.05	2.5	0.04	0.01	0.01	1.51
	28	122.50	123.00	0.50	<0.05	9.4	0.47	0.17	0.05	2.00
	29	123.00	123.10	0.10	<0.05	5.8	0.70	0.76	0.06	1.94
	30	150.70	151.60	0.90	<0.05	2.1	0.02	0.01	0.01	1.43
	31	151.60	152.30	0.70	<0.05	1.0	0.00	0.01	0.00	1.57
	32	152.70	153.40	0.70	<0.05	3.4	0.02	0.02	0.01	2.80
	33	153.40	154.10	0.70	0.05	8.3	0.09	0.26	0.11	4.42
	34	154.10	155.30	1.20	<0.05	0.7	0.00	0.01	0.00	3.15
	35	208.90	209.05	0.15	<0.05	4.1	0.37	0.16	0.01	1.30
	36	212.75	212.85	0.10	0.33	213.0	0.90	2.98	1.09	7.70
	37	215.45	215.60	0.15	0.48	150.0	0.95	1.91	0.48	4.66
MJSU-2	1	41.45	41.85	0.40	<0.05	<0.5	0.01	0.04	0.00	0.48
	2	41.85	43.35	1.50	<0.05	<0.5	0.08	0.03	0.00	1.72
	3	43.35	43.60	0.25	0.05	1.3	0.36	0.04	0.00	1.00
	4	64.20	64.40	0.20	<0.05	4.6	0.16	0.06	0.00	0.95
	5	106.25	107.25	1.00	<0.05	3.0	0.00	0.02	0.00	10.67
	6	107.25	108.25	1.00	<0.05	1.3	0.01	0.04	0.00	5.70
	7	108.25	109.05	0.80	<0.05	1.0	0.00	0.02	0.00	4.04
	8	121.15	121.60	0.45	0.12	14.9	1.70	0.18	0.02	18.05
	9	121.60	122.30	0.70	0.14	18.6	0.17	0.03	0.01	1.32
	10	122.30	122.90	0.60	0.28	10.7	2.71	0.08	0.00	11.04
	11	122.90	123.90	1.00	0.12	7.0	0.07	0.02	0.00	3.95
	12	123.90	124.25	0.35	0.06	3.4	0.09	0.08	0.01	1.75
	13	124.25	124.75	0.50	0.65	55.4	1.66	9.81	0.45	14.00
	14	124.75	125.10	0.35	1.00	63.1	1.03	5.90	1.30	7.96
	15	125.10	125.40	0.30	1.40	44.9	0.99	6.81	0.68	10.34
	16	125.40	126.20	0.80	0.10	3.9	0.03	1.21	0.16	3.34
	17	126.20	127.15	0.95	<0.05	2.3	0.01	0.04	0.00	2.15
	18	127.15	128.10	0.95	<0.05	1.9	0.01	0.02	0.00	1.08
	19	128.10	128.20	0.10	0.30	12.6	0.96	0.19	0.00	23.30

Appendix 1-29 Results of Ore Assay (Core Samples)

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Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-2	20	128.20	129.05	0.85	<0.05	0.8	0.00	0.03	0.00	0.65
	21	129.05	130.10	1.05	<0.05	0.5	0.01	0.04	0.00	0.20
	22	130.10	130.40	0.30	0.56	13.3	0.89	3.65	0.02	11.75
	23	130.40	130.50	0.10	0.74	1.5	0.23	0.03	0.00	2.00
	24	130.50	131.15	0.65	0.67	28.8	0.68	9.55	0.03	21.70
	25	131.15	132.10	0.95	0.13	37.6	1.46	24.68	0.09	28.50
	26	132.10	133.10	1.00	0.21	21.7	1.78	4.41	0.57	6.40
	27	133.10	133.90	0.80	0.21	9.7	1.23	3.95	0.01	7.10
	28	133.90	134.15	0.25	<0.05	7.6	0.48	1.97	0.02	23.00
	29	134.15	134.90	0.75	0.18	9.9	0.29	4.13	0.62	3.25
	30	134.90	136.20	1.30	<0.05	12.5	0.67	0.81	0.00	26.55
	31	136.20	137.20	1.00	<0.05	2.8	0.20	0.10	0.00	1.20
	32	137.20	137.40	0.20	0.70	51.6	4.79	0.24	0.01	23.60
	33	137.40	138.00	0.60	<0.05	2.8	0.20	0.09	0.00	1.20
	34	138.00	138.90	0.90	0.14	12.9	0.50	0.22	0.00	11.25
	35	138.90	139.10	0.20	0.08	8.0	0.32	0.12	0.00	4.65
	36	139.10	140.30	1.20	0.19	11.1	1.17	0.50	0.00	5.50
	37	140.30	141.15	0.85	0.35	6.1	0.32	0.55	0.00	13.83
	38	141.15	141.55	0.40	5.83	15.8	4.58	0.08	0.00	33.83
	39	141.55	142.25	0.70	<0.05	4.5	1.05	0.12	0.01	18.70
	40	221.85	222.00	0.15	<0.05	9.0	0.03	0.71	0.00	3.90
	41	224.05	224.15	0.10	<0.05	1.5	0.10	0.51	0.00	0.85
42	229.05	229.20	0.15	<0.05	5.3	0.02	0.46	0.00	2.50	
MJSU-3	1	50.00	51.90	1.90	<0.05	1.6	0.00	0.01	0.00	1.30
	2	51.90	53.30	1.40	<0.05	1.0	0.01	0.02	0.00	1.53
	3	55.90	56.15	0.25	<0.05	1.7	0.07	0.05	0.00	5.75
	4	56.15	57.10	0.95	0.06	1.4	0.02	0.02	0.00	2.50
	5	57.10	59.05	1.95	<0.05	0.8	0.01	0.01	0.00	2.65
	6	59.05	59.90	0.85	<0.05	1.2	0.01	0.01	0.00	1.40
	7	68.85	71.85	3.00	<0.05	1.3	0.02	0.01	0.00	2.55
	8	71.85	72.60	0.75	<0.05	1.3	0.02	0.01	0.00	1.70
	9	81.55	83.55	2.00	<0.05	0.9	0.02	0.02	0.00	2.20
	10	83.55	85.60	2.05	<0.05	1.1	0.04	0.02	0.00	2.60
	11	95.65	97.75	2.10	<0.05	1.3	0.19	0.09	0.00	7.00
	12	104.60	106.20	1.60	0.09	0.8	0.01	0.01	0.00	2.00
	13	106.20	107.80	1.60	0.07	1.0	0.01	0.02	0.00	1.70
	14	107.80	110.00	2.20	<0.05	1.0	0.02	0.01	0.00	1.80
	15	114.80	116.25	1.45	<0.05	1.1	0.01	0.01	0.00	2.10
	16	116.25	117.70	1.45	<0.05	1.1	0.00	0.01	0.00	0.35
	17	117.70	119.20	1.50	<0.05	1.0	0.02	0.00	0.00	1.50
	18	119.20	120.75	1.55	<0.05	0.6	0.03	0.00	0.00	1.25
	19	153.15	154.50	1.35	<0.05	0.5	0.01	0.01	0.00	2.10
	20	154.50	157.40	2.90	<0.05	0.6	0.01	0.01	0.00	9.50
	21	157.40	159.00	1.60	<0.05	2.8	0.37	0.02	0.00	2.80
	22	159.00	160.55	1.55	<0.05	2.3	0.19	0.01	0.00	0.60
	23	160.55	162.85	2.30	<0.05	0.9	0.09	0.01	0.00	1.30
	24	162.85	164.45	1.60	<0.05	1.1	0.01	0.01	0.00	0.90
	25	164.45	164.75	0.30	<0.05	1.5	0.09	0.01	0.00	1.70
	26	177.60	178.50	0.90	<0.05	1.1	0.06	0.02	0.00	1.50
	27	188.20	188.75	0.55	<0.05	3.9	1.57	0.02	0.00	8.45
	28	188.75	189.45	0.70	<0.05	0.9	0.02	0.01	0.00	0.40
	29	189.45	192.15	2.70	<0.05	1.1	0.09	0.01	0.00	1.20
	30	204.25	206.70	2.45	<0.05	1.8	0.23	0.01	0.00	<0.05
	31	206.70	208.60	1.90	<0.05	1.9	0.33	0.01	0.00	<0.05
	32	208.60	210.60	2.00	<0.05	0.9	0.03	0.01	0.00	<0.05
	33	210.60	212.45	1.85	<0.05	0.9	0.03	0.01	0.00	0.25

Appendix 1-29 Results of Ore Assay (Core Samples)

Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-3	34	212.45	214.70	2.25	<0.05	1.0	0.09	0.01	0.00	1.20
	35	214.70	215.05	0.35	<0.05	13.3	5.05	0.06	0.00	5.10
	36	215.05	217.05	2.00	<0.05	0.8	0.01	0.00	0.00	0.26
	37	217.05	218.90	1.85	<0.05	1.2	0.08	0.01	0.00	1.60
	38	218.90	220.10	1.20	<0.05	0.8	0.02	0.01	0.00	8.45
	39	220.10	220.90	0.80	<0.05	6.6	2.48	0.03	0.00	3.00
	40	220.90	223.50	2.60	<0.05	0.7	0.03	0.01	0.00	1.25
	41	223.50	226.30	2.80	<0.05	0.8	0.01	0.00	0.00	4.00
	42	241.85	243.25	1.40	<0.05	<0.5	0.06	0.01	0.00	4.38
MJSU-4	1	31.50	32.50	1.00	<0.05	<0.5	0.00	0.01	0.00	0.73
	2	32.50	33.30	0.80	<0.05	<0.5	0.01	0.01	0.00	0.40
	3	33.30	34.20	0.90	<0.05	<0.5	0.00	0.01	0.00	0.64
	4	55.30	56.30	1.00	<0.05	<0.5	0.02	0.00	0.00	0.47
	5	56.30	57.70	1.40	<0.05	<0.5	0.01	0.00	0.00	0.48
	6	60.25	61.25	1.00	<0.05	<0.5	0.00	0.00	0.00	0.08
	7	61.25	62.25	1.00	<0.05	<0.5	0.00	0.00	0.00	0.18
	8	62.25	63.15	0.90	<0.05	<0.5	0.05	0.01	0.00	1.20
	9	63.15	64.30	1.15	<0.05	<0.5	0.01	0.01	0.00	0.65
	10	64.30	65.15	0.85	<0.05	<0.5	0.02	0.01	0.00	3.15
	11	65.15	66.15	1.00	<0.05	<0.5	0.02	0.01	0.00	1.40
	12	66.15	67.20	1.05	<0.05	<0.5	0.02	0.00	0.00	0.25
	13	67.20	67.60	0.40	<0.05	<0.5	0.01	0.01	0.00	0.43
	14	67.60	67.85	0.25	0.06	<0.5	0.01	0.00	0.00	0.22
	15	111.40	111.65	0.25	0.07	12.0	1.82	0.10	0.00	5.40
	16	133.15	133.30	0.15	0.07	1.8	0.24	0.02	0.00	13.80
	17	140.50	141.00	0.50	<0.05	15.1	1.31	0.05	0.00	3.30
	18	141.00	142.00	1.00	0.12	20.8	7.65	0.02	0.00	5.66
	19	142.00	143.10	1.10	<0.05	0.5	0.10	0.02	0.00	0.53
	20	143.10	143.40	0.30	0.28	24.7	10.40	0.19	0.00	12.20
	21	143.40	144.85	1.45	<0.05	4.0	0.20	0.03	0.00	0.83
	22	144.85	145.00	0.15	0.14	27.3	4.77	0.02	0.00	6.53
	23	145.00	146.40	1.40	<0.05	2.4	0.15	0.01	0.00	0.32
	24	146.40	146.60	0.20	0.15	38.6	4.60	0.03	0.00	5.77
	25	146.60	147.30	0.70	<0.05	0.7	0.09	0.01	0.00	0.40
	26	147.30	147.80	0.50	<0.05	16.7	1.37	0.01	0.00	2.10
	27	147.80	148.80	1.00	<0.05	4.4	0.18	0.01	0.00	0.82
	28	148.80	149.80	1.00	<0.05	0.6	0.09	0.01	0.00	0.43
	29	149.80	149.90	0.10	<0.05	4.0	0.32	0.03	0.00	0.95
	30	149.90	151.50	1.60	<0.05	1.4	0.13	0.02	0.00	0.54
	31	151.50	153.00	1.50	<0.05	0.8	0.07	0.02	0.00	1.54
	32	153.00	154.50	1.50	<0.05	<0.5	0.07	0.03	0.00	2.80
	33	154.50	155.50	1.00	<0.05	<0.5	0.02	0.01	0.00	2.10
	34	155.50	156.05	0.55	<0.05	5.1	2.54	0.07	0.00	3.40
	35	156.05	156.20	0.15	<0.05	12.0	18.95	0.87	0.04	12.94
	36	156.20	157.45	1.25	<0.05	2.3	0.38	0.02	0.00	1.41
	37	157.45	158.25	0.80	<0.05	9.9	1.82	0.02	0.00	2.50
	38	158.25	158.55	0.30	<0.05	1.2	0.29	0.03	0.00	1.30
	39	158.55	158.85	0.30	0.07	17.7	3.64	0.07	0.00	4.00
	40	158.85	160.50	1.65	<0.05	<0.5	0.05	0.02	0.00	0.70
	41	160.50	162.00	1.50	<0.05	0.6	0.09	0.04	0.00	1.02
	42	162.00	162.85	0.85	<0.05	0.7	0.06	0.03	0.00	0.07
	43	162.85	163.00	0.15	<0.05	20.9	2.72	0.03	0.00	2.80
	44	163.00	163.30	0.30	<0.05	1.0	0.04	0.02	0.00	0.83
	45	163.30	163.40	0.10	<0.05	7.4	1.82	0.05	0.00	2.40
	46	213.10	213.20	0.10	<0.05	4.0	1.36	0.03	0.00	2.28
	47	213.65	213.85	0.20	0.09	7.8	1.34	0.02	0.00	3.90

Appendix 1-29 Results of Ore Assay (Core Samples)

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Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-4	48	215.00	215.15	0.15	<0.05	4.3	0.64	0.02	0.00	3.33
	49	217.00	217.10	0.10	<0.05	4.9	0.76	0.05	0.00	3.42
	50	226.75	226.85	0.10	<0.05	13.0	3.28	0.03	0.00	3.33
	51	227.25	228.05	0.80	<0.05	2.0	0.35	0.01	0.00	1.06
	52	241.20	242.05	0.85	<0.05	<0.5	0.05	0.01	0.00	0.75
	53	242.05	242.80	0.75	<0.05	0.7	0.05	0.03	0.00	0.80
	54	263.50	263.75	0.25	<0.05	0.8	0.09	0.06	0.00	2.62
	55	263.75	265.10	1.35	<0.05	<0.5	0.09	0.01	0.00	0.78
	56	265.10	267.05	1.95	<0.05	<0.5	0.17	0.01	0.00	0.92
	57	272.70	273.25	0.55	0.07	1.1	1.11	0.01	0.00	1.42
	58	278.95	279.35	0.40	<0.05	6.9	2.72	0.03	0.00	4.63
	59	285.70	286.75	1.05	<0.05	0.7	0.04	0.01	0.00	4.40
	60	292.30	292.60	0.30	<0.05	<0.5	0.00	0.01	0.00	4.60
	61	292.60	293.00	0.40	<0.05	<0.5	0.01	0.02	0.00	17.34
62	293.00	294.25	1.25	<0.05	<0.5	0.01	0.01	0.00	2.20	
63	294.25	295.30	1.05	<0.05	<0.5	0.01	0.01	0.00	2.00	
MJSU-5	1	77.70	79.40	1.70	0.05	2.8	0.19	0.03	0.00	5.67
	2	79.40	79.90	0.50	<0.05	11.0	1.86	0.03	0.00	3.71
	3	79.90	80.55	0.65	<0.05	5.4	0.83	0.06	0.00	2.90
	4	80.55	80.95	0.40	0.13	35.9	4.62	0.17	0.00	7.88
	5	80.95	81.70	0.75	0.07	2.1	0.16	0.02	0.00	<0.05
	6	81.70	82.55	0.85	0.12	27.8	4.28	0.07	0.00	11.07
	7	82.55	84.00	1.45	<0.05	2.2	0.36	0.02	0.00	16.03
	8	84.00	85.50	1.50	<0.05	0.8	0.09	0.01	0.00	7.29
	9	85.50	87.00	1.50	<0.05	2.2	0.19	0.01	0.00	9.61
	10	87.00	88.90	1.90	<0.05	1.9	0.15	0.01	0.00	7.42
	11	88.90	89.90	1.00	<0.05	10.5	1.42	0.04	0.00	3.45
	12	89.90	90.90	1.00	0.11	12.0	0.95	0.03	0.00	8.83
	13	90.90	91.90	1.00	0.08	15.8	1.59	0.03	0.00	8.39
	14	91.90	93.20	1.30	<0.05	15.7	3.33	0.03	0.00	4.90
	15	93.20	94.70	1.50	<0.05	1.4	0.17	0.01	0.00	0.70
	16	94.70	95.50	0.80	<0.05	1.5	0.41	0.02	0.00	1.15
	17	95.50	96.50	1.00	0.10	15.3	4.25	0.01	0.00	6.44
	18	96.50	97.50	1.00	<0.05	12.4	4.21	0.01	0.00	4.79
	19	97.50	98.50	1.00	<0.05	12.1	4.10	0.02	0.00	3.86
	20	98.50	99.50	1.00	<0.05	12.9	2.85	0.02	0.00	2.45
	21	99.50	99.90	0.40	0.36	5.8	2.12	0.02	0.00	2.58
	22	99.90	101.00	1.10	<0.05	2.6	0.35	0.02	0.00	1.50
	23	109.65	111.00	1.35	0.05	<0.5	0.13	0.01	0.00	0.08
	24	111.00	112.50	1.50	0.10	0.6	0.13	0.01	0.00	0.15
	25	112.50	114.00	1.50	<0.05	0.9	0.49	0.01	0.00	1.20
	26	114.00	114.50	0.50	<0.05	3.8	1.38	0.01	0.00	1.15
	27	151.30	151.65	0.35	<0.05	0.6	0.29	0.02	0.00	3.20
	28	229.80	231.30	1.50	<0.05	0.6	0.20	0.00	0.00	0.75
	29	231.30	232.80	1.50	0.05	<0.5	0.29	0.00	0.00	1.30
	30	232.80	233.90	1.10	<0.05	<0.5	0.13	0.00	0.00	0.63
	31	233.90	234.50	0.60	<0.05	0.5	0.50	0.01	0.00	3.82
	32	234.50	235.30	0.80	<0.05	0.5	0.41	0.01	0.00	14.11
	33	235.30	235.65	0.35	<0.05	2.9	3.24	0.01	0.00	6.56
	34	235.65	236.05	0.40	<0.05	<0.5	0.44	0.01	0.00	1.42
35	236.05	236.20	0.15	<0.05	3.0	1.06	0.01	0.00	4.88	
36	236.20	237.30	1.10	<0.05	<0.5	0.05	0.02	0.00	1.06	
37	237.30	238.55	1.25	0.10	6.6	0.66	0.02	0.00	11.64	
38	238.55	239.20	0.65	<0.05	1.5	0.39	0.01	0.00	6.37	
39	239.20	239.35	0.15	<0.05	2.1	0.93	0.01	0.00	6.11	
40	239.35	239.55	0.20	<0.05	0.7	0.51	0.02	0.00	6.91	

Appendix 1-29 Results of Ore Assay (Core Samples)

Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-5	41	239.55	239.75	0.20	0.06	0.9	0.51	0.02	0.00	20.50
	42	239.75	239.95	0.20	0.60	<0.5	0.18	0.01	0.00	5.93
	43	239.95	240.45	0.50	0.13	3.5	0.54	0.02	0.00	17.26
	44	240.45	241.80	1.35	<0.05	<0.5	0.03	0.00	0.00	1.00
	45	241.80	242.60	0.80	0.08	<0.5	0.07	0.01	0.00	2.90
	46	242.60	243.90	1.30	0.05	<0.5	0.07	0.01	0.00	1.60
	47	243.90	245.65	1.75	<0.05	<0.5	0.07	0.01	0.00	0.70
	48	245.65	247.70	2.05	<0.05	2.0	1.02	0.02	0.00	6.34
	49	247.70	249.80	2.10	<0.05	<0.5	0.05	0.01	0.00	1.05
	50	249.80	250.20	0.40	<0.05	1.0	0.21	0.03	0.00	4.50
	51	250.35	251.70	1.35	<0.05	2.2	0.62	0.02	0.00	3.90
	52	252.15	253.80	1.65	0.09	1.0	0.34	0.01	0.00	1.91
	53	253.90	255.45	1.55	<0.05	1.4	0.81	0.01	0.00	5.13
	54	255.45	256.30	0.85	0.12	21.9	2.58	0.02	0.00	9.30
	55	268.90	269.75	0.85	<0.05	1.8	0.95	0.01	0.00	9.20
	56	269.75	270.20	0.45	<0.05	<0.5	0.04	0.01	0.00	0.99
	57	270.20	271.10	0.90	<0.05	0.9	0.23	0.01	0.00	16.30
	58	271.10	271.55	0.45	<0.05	2.0	1.06	0.01	0.00	32.30
	59	271.55	271.85	0.30	0.09	8.6	2.49	0.02	0.00	6.32
	60	271.85	273.45	1.60	<0.05	3.3	1.48	0.01	0.00	1.95
	61	273.45	274.20	0.75	0.10	2.1	2.01	0.01	0.00	5.20
	62	274.20	275.40	1.20	<0.05	1.0	0.27	1.01	0.00	8.73
	63	275.40	276.35	0.95	0.06	<0.5	0.11	0.02	0.00	0.80
	64	276.35	277.15	0.80	0.27	2.6	0.70	0.01	0.00	2.16
	65	277.15	277.80	0.65	<0.05	<0.5	0.04	0.01	0.00	0.45
	66	277.80	278.15	0.35	<0.05	1.7	1.06	0.01	0.00	3.36
	67	278.15	280.00	1.85	<0.05	1.1	0.34	0.01	0.00	1.40
	68	280.00	280.35	0.35	<0.05	<0.5	0.28	0.01	0.00	1.54
	69	285.25	285.50	0.25	<0.05	6.4	1.96	0.01	0.00	4.33
	70	285.50	287.40	1.90	<0.05	<0.5	0.03	0.02	0.00	2.83
	71	298.95	299.90	0.95	0.18	<0.5	0.24	0.01	0.00	2.00
	72	299.90	301.60	1.70	<0.05	1.3	0.31	0.01	0.00	0.90
	73	303.55	303.85	0.30	<0.05	<0.5	0.17	0.01	0.00	1.36
	74	306.90	308.35	1.45	<0.05	<0.5	0.04	0.01	0.00	1.25
	75	308.35	310.30	1.95	<0.05	<0.5	0.12	0.01	0.00	0.30
	76	314.95	315.05	0.10	<0.05	<0.5	0.36	0.02	0.00	1.00
	77	318.90	319.05	0.15	<0.05	<0.5	0.19	0.01	0.00	0.50
	78	328.90	329.90	1.00	<0.05	8.6	7.04	0.02	0.00	5.00
	79	329.90	330.40	0.50	0.33	5.2	7.32	0.01	0.00	3.30
	80	330.50	331.20	0.70	<0.05	7.4	6.10	0.02	0.00	5.10
	81	331.20	331.65	0.45	0.05	<0.5	0.33	0.02	0.00	2.25
	82	342.20	342.50	0.30	0.09	0.8	0.47	0.02	0.00	2.60
MJSU-6	1	64.15	65.20	1.05	<0.05	0.7	0.02	0.02	0.00	1.15
	2	65.20	66.15	0.95	<0.05	<0.5	0.01	0.02	0.00	1.10
	3	66.15	66.90	0.75	<0.05	<0.5	0.03	0.03	0.00	2.25
	4	83.05	85.00	1.95	<0.05	<0.5	0.00	0.01	0.00	1.15
	5	98.70	99.90	1.20	<0.05	<0.5	0.00	0.03	0.00	2.20
	6	133.20	133.85	0.65	<0.05	4.6	0.28	0.24	0.01	6.50
	7	133.85	134.75	0.90	<0.05	1.9	0.16	0.48	0.02	1.75
	8	134.75	135.35	0.60	<0.05	71.6	1.71	16.20	0.36	10.00
	9	135.35	135.75	0.40	<0.05	1.1	0.06	0.47	0.02	1.10
	10	135.75	136.20	0.45	<0.05	15.0	0.17	0.04	0.02	4.60
	11	136.20	136.45	0.25	0.06	3.7	0.25	0.02	0.01	1.24
	12	136.45	136.90	0.45	<0.05	15.4	0.61	0.04	0.01	3.70
	13	136.90	137.20	0.30	<0.05	2.7	0.03	0.02	0.00	0.64
	14	137.20	138.00	0.80	<0.05	40.3	0.97	3.17	0.06	10.70

Appendix 1-29 Results of Ore Assay (Core Samples)

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Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-6	15	138.00	138.85	0.85	<0.05	<0.5	0.03	0.04	0.00	0.47
	16	138.85	139.30	0.45	<0.05	3.2	0.23	0.06	0.01	2.90
	17	139.30	140.10	0.80	<0.05	<0.5	0.02	0.03	0.00	2.85
	18	140.10	140.40	0.30	<0.05	<0.5	0.03	0.03	0.00	2.10
	19	140.40	141.50	1.10	<0.05	<0.5	0.04	0.03	0.00	2.60
	20	154.05	154.25	0.20	<0.05	1.5	0.05	0.22	0.00	5.40
	21	154.25	154.60	0.35	<0.05	0.7	0.01	0.02	0.00	10.60
	22	154.60	154.85	0.25	<0.05	3.2	0.12	0.03	0.00	2.14
	23	166.80	167.05	0.25	<0.05	<0.5	0.00	0.01	0.00	2.68
	24	174.20	174.35	0.15	<0.05	1.4	0.00	0.00	0.00	3.10
	25	182.15	182.90	0.75	<0.05	2.1	0.10	0.01	0.00	5.57
	26	213.55	214.30	0.75	<0.05	<0.5	0.00	0.00	0.00	8.36
	27	214.30	215.10	0.80	0.05	<0.5	0.00	0.01	0.00	1.30
	28	215.10	215.95	0.85	<0.05	<0.5	0.00	0.01	0.00	2.70
	29	215.95	218.00	2.05	<0.05	<0.5	0.00	0.01	0.00	0.80
	30	218.00	219.90	1.90	<0.05	0.5	0.00	0.01	0.00	6.16
	31	219.90	220.70	0.80	0.07	<0.5	0.00	0.01	0.00	2.00
	32	220.70	220.90	0.20	<0.05	4.0	0.03	0.00	0.00	26.15
	33	220.90	223.00	2.10	<0.05	<0.5	0.01	0.00	0.00	7.35
	34	223.00	225.65	2.65	<0.05	<0.5	0.00	0.01	0.00	4.00
35	225.65	227.25	1.60	<0.05	<0.5	0.00	0.00	0.00	13.40	
36	227.25	228.90	1.65	<0.05	0.6	0.00	0.00	0.00	20.00	
37	241.55	243.65	2.10	<0.05	1.2	0.01	0.02	0.00	2.30	
38	243.65	244.95	1.30	<0.05	1.4	0.06	0.01	0.00	1.75	
MJSU-7	1	18.25	20.50	2.25	<0.05	<0.5	0.02	0.01	0.00	0.62
	2	25.10	26.75	1.65	<0.05	0.8	0.06	0.04	0.00	0.57
	3	28.45	30.00	1.55	<0.05	0.7	0.05	0.21	0.00	0.65
	4	34.15	35.85	1.70	<0.05	0.6	0.03	0.02	0.00	1.00
	5	49.25	49.85	0.60	<0.05	2.4	0.10	0.01	0.00	3.80
	6	60.00	60.20	0.20	<0.05	9.1	0.91	0.03	0.00	4.88
	7	62.85	63.50	0.65	<0.05	29.0	2.05	0.08	0.00	6.60
	8	63.50	64.85	1.35	<0.05	3.8	0.33	0.04	0.00	2.75
	9	70.15	72.65	2.50	<0.05	1.3	0.03	0.03	0.00	4.88
	10	72.65	73.45	0.80	<0.05	1.8	0.09	0.03	0.00	2.64
	11	73.45	74.30	0.85	<0.05	1.3	0.08	0.02	0.00	4.50
	12	74.30	76.55	2.25	<0.05	1.9	0.07	0.05	0.00	10.80
	13	76.55	76.70	0.15	<0.05	4.3	0.38	0.45	0.00	20.32
	14	76.70	78.05	1.35	<0.05	0.6	0.05	0.03	0.00	5.38
	15	79.90	80.15	0.25	<0.05	<0.5	0.05	0.02	0.00	2.60
	16	87.20	87.40	0.20	<0.05	1.0	0.04	0.04	0.00	2.84
	17	108.25	108.75	0.50	<0.05	3.6	0.10	0.01	0.00	2.28
	18	173.85	174.55	0.70	<0.05	1.1	0.04	0.09	0.01	3.00
	19	174.55	176.00	1.45	<0.05	2.2	0.07	0.22	0.03	2.95
	20	176.00	178.00	2.00	<0.05	0.9	0.02	0.11	0.01	2.50
	21	192.65	193.55	0.90	<0.05	3.4	0.04	0.09	0.05	3.20
	22	193.55	194.55	1.00	<0.05	1.5	0.01	0.33	0.03	3.00
	23	197.90	198.30	0.40	<0.05	1.0	0.08	0.21	0.00	2.65
	24	227.85	228.80	0.95	<0.05	<0.5	0.03	0.18	0.00	2.80
MJSU-8	1	14.20	15.00	0.80	<0.05	<0.5	0.00	0.01	0.00	0.33
	2	30.30	30.70	0.40	<0.05	1.2	0.01	0.01	0.00	0.60
	3	30.70	31.25	0.55	0.07	1.2	0.01	0.02	0.00	0.90
	4	31.25	33.30	2.05	<0.05	<0.5	0.01	0.01	0.00	4.00
	5	33.70	35.70	2.00	0.06	0.6	0.01	0.01	0.00	4.50
	6	35.70	37.70	2.00	<0.05	0.6	0.02	0.01	0.00	4.10
	7	37.70	39.70	2.00	<0.05	0.7	0.03	0.01	0.00	4.35
	8	39.70	41.70	2.00	<0.05	0.7	0.02	0.01	0.00	4.42

Appendix 1-29 Results of Ore Assay (Core Samples)

Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-8	9	41.70	43.70	2.00	0.09	1.2	0.01	0.03	0.00	4.30
	10	43.70	45.65	1.95	0.08	<0.5	0.01	0.02	0.00	3.69
	11	69.55	71.95	2.40	<0.05	<0.5	0.01	0.05	0.00	3.30
	12	71.95	73.25	1.30	0.06	0.9	0.02	0.19	0.01	5.37
	13	73.25	73.55	0.30	<0.05	3.9	0.90	12.74	0.01	14.00
	14	73.55	75.50	1.95	0.06	0.8	0.03	0.06	0.01	10.66
	15	75.50	77.20	1.70	0.14	1.0	0.02	0.01	0.01	11.35
	16	77.20	77.40	0.20	2.52	6.1	0.08	0.02	0.03	28.90
	17	77.40	79.20	1.80	0.07	0.8	0.02	0.01	0.01	12.10
	18	79.20	81.00	1.80	0.08	0.9	0.02	0.01	0.01	12.64
	19	81.00	82.65	1.65	0.08	1.1	0.02	0.00	0.01	11.48
	20	82.65	83.35	0.70	0.24	19.5	1.57	0.01	0.02	25.00
	21	83.35	85.10	1.75	0.10	6.2	0.11	0.25	0.01	7.00
	22	85.10	85.85	0.75	0.51	35.3	0.15	0.24	0.02	13.36
	23	85.85	87.85	2.00	0.05	4.0	0.01	0.02	0.03	5.62
	24	87.85	90.75	2.90	<0.05	0.5	0.01	0.01	0.00	5.55
	25	90.75	91.95	1.20	<0.05	0.8	0.02	0.02	0.00	9.00
	26	91.95	95.00	3.05	<0.05	0.6	0.01	0.01	0.00	4.07
	27	95.00	96.95	1.95	<0.05	0.9	0.01	0.01	0.00	4.80
	28	97.90	101.10	3.20	0.17	2.0	0.02	0.01	0.00	8.79
	29	101.80	104.65	2.85	<0.05	1.0	0.01	0.03	0.00	6.70
	30	104.65	107.55	2.90	<0.05	1.3	0.02	0.01	0.00	9.60
	31	107.55	110.00	2.45	<0.05	1.5	0.04	0.02	0.01	10.00
	32	110.00	113.00	3.00	<0.05	<0.5	0.01	0.01	0.00	5.60
	33	113.00	114.05	1.05	<0.05	0.8	0.02	0.10	0.00	7.95
	34	114.05	117.00	2.95	<0.05	<0.5	0.01	0.01	0.00	4.75
	35	117.00	120.00	3.00	<0.05	0.8	0.01	0.01	0.00	6.10
	36	120.00	123.00	3.00	0.07	0.9	0.01	0.01	0.00	5.15
	37	123.00	124.45	1.45	<0.05	0.5	0.01	0.01	0.00	5.75
	38	124.45	125.80	1.35	<0.05	0.5	0.01	0.01	0.00	4.00
	39	125.80	128.05	2.25	<0.05	0.7	0.01	0.01	0.00	6.80
	40	128.05	129.55	1.50	<0.05	1.0	0.04	0.01	0.01	10.40
	41	129.55	132.15	2.60	<0.05	1.0	0.02	0.03	0.00	6.00
	42	132.15	133.00	0.85	<0.05	1.0	0.03	0.01	0.00	9.73
	43	133.00	134.75	1.75	0.07	1.0	0.02	0.01	0.00	5.15
	44	134.75	137.70	2.95	<0.05	<0.5	0.01	0.01	0.00	3.70
	45	137.70	138.85	1.15	<0.05	0.5	0.01	0.00	0.00	4.80
	46	138.85	139.35	0.50	<0.05	<0.5	0.00	0.01	0.00	3.55
	47	139.35	142.00	2.65	<0.05	<0.5	0.01	0.02	0.00	5.55
	48	142.00	143.40	1.40	<0.05	<0.5	0.01	0.00	0.00	5.20
	49	143.40	144.35	0.95	<0.05	<0.5	0.01	0.00	0.00	4.60
	50	144.35	146.00	1.65	<0.05	<0.5	0.01	0.00	0.00	6.10
	51	146.00	147.50	1.50	<0.05	0.7	0.01	0.02	0.00	4.30
	52	147.50	149.00	1.50	<0.05	0.6	0.01	0.01	0.00	4.55
	53	149.00	150.50	1.50	<0.05	<0.5	0.01	0.00	0.00	4.14
	54	150.50	152.00	1.50	<0.05	0.7	0.01	0.01	0.00	5.50
	55	152.00	153.50	1.50	<0.05	0.6	0.01	0.01	0.00	4.00
	56	153.50	154.20	0.70	<0.05	0.6	0.01	0.03	0.01	5.10
	57	154.20	155.45	1.25	<0.05	0.6	0.02	0.04	0.00	8.80
	58	155.45	157.00	1.55	<0.05	<0.5	0.01	0.03	0.01	4.02
	59	157.00	158.75	1.75	<0.05	0.8	0.01	0.01	0.00	5.52
	60	158.75	159.95	1.20	<0.05	1.0	0.01	0.04	0.00	6.45
	61	159.95	161.50	1.55	<0.05	1.8	0.02	0.04	0.01	7.26
	62	161.50	163.00	1.50	<0.05	2.5	0.01	0.02	0.01	6.90
	63	163.00	164.50	1.50	<0.05	2.6	0.01	0.02	0.01	10.12
	64	164.50	166.00	1.50	<0.05	1.0	0.02	0.04	0.01	6.18

Appendix 1-29 Results of Ore Assay (Core Samples)

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Drill Hole No.	Sample No.	Depth (m)		Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)
MJSU-8	65	166.00	167.50	1.50	<0.05	0.7	0.01	0.02	0.00	4.27
	66	167.50	169.00	1.50	<0.05	0.5	0.01	0.03	0.00	4.06
	67	169.00	170.50	1.50	<0.05	0.6	0.01	0.01	0.00	5.35
	68	170.50	172.00	1.50	<0.05	0.7	0.00	0.02	0.00	3.90
	69	172.00	173.50	1.50	<0.05	<0.5	0.01	0.03	0.00	3.12
	70	173.50	175.00	1.50	<0.05	1.0	0.01	0.02	0.00	4.25
	71	175.00	176.50	1.50	<0.05	0.8	0.01	0.01	0.00	3.90
	72	176.50	178.00	1.50	<0.05	1.0	0.01	0.01	0.00	3.95
	73	178.00	179.50	1.50	<0.05	0.6	0.00	0.01	0.00	3.00
	74	179.50	181.00	1.50	<0.05	0.6	0.01	0.01	0.00	3.78
	75	181.00	182.60	1.60	<0.05	<0.5	0.01	0.01	0.00	3.39
	76	183.50	185.00	1.50	<0.05	1.0	0.01	0.01	0.00	4.22
	77	185.00	186.05	1.05	<0.05	1.5	0.00	0.01	0.00	5.66
	78	199.00	200.50	1.50	<0.05	<0.5	0.00	0.00	0.00	2.25
	79	200.50	202.00	1.50	<0.05	<0.5	0.00	0.00	0.00	2.50
	80	202.00	203.50	1.50	<0.05	<0.5	0.01	0.00	0.00	2.42
	81	203.50	205.00	1.50	<0.05	<0.5	0.01	0.00	0.00	1.85
	82	205.00	206.50	1.50	<0.05	<0.5	0.01	0.00	0.00	3.35
	83	206.50	208.00	1.50	<0.05	<0.5	0.00	0.00	0.00	1.65
	84	208.00	209.50	1.50	<0.05	<0.5	0.01	0.00	0.00	2.25
	85	209.50	211.15	1.65	<0.05	<0.5	0.01	0.01	0.00	2.90
86	228.45	230.00	1.55	<0.05	<0.5	0.01	0.00	0.00	1.15	
87	230.00	231.45	1.45	<0.05	<0.5	0.01	0.01	0.00	3.00	
88	231.45	232.95	1.50	<0.05	0.9	0.01	0.00	0.00	1.00	
89	232.95	233.85	0.90	<0.05	<0.5	0.01	0.00	0.00	0.85	
90	233.85	235.35	1.50	<0.05	<0.5	0.00	0.00	0.00	3.10	
91	235.35	236.70	1.35	<0.05	0.7	0.01	0.00	0.00	4.45	

Appendix 1-30 Results of Microscopic Observation of Thin Section (Core Samples)

Drill Hole No.	Sample No.	Rock type	Texture	phenocryst or fragment							groundmass or matrix							metamorphic or alteration							
				MP	cpx	hb	qz	pl	Kf	op	others	MP	hb	qz	pl	Kf	gl	op	others	ep	chl	amp	ser	tit	cb
MJSU-3	217	Rhyodacite coarse tuff weakly meta	clastic to porphyritic	<O>																					
	232	Dacite weakly meta	porphyritic	<O>																					
	243	Porphyritic dacite weakly meta	porphyritic	<O>																					
	MJSU-4	15	Diorite weakly meta	ophitic	<O>																				
30		Dolerite weakly meta	micro-ophitic																						
40		Diorite weakly meta	equigranular	<O>																					
45		Silicified volcanics weakly meta	porphyritic?	<O>																					
	52	Rhyodacite coarse tuff weakly meta	clastic to porphyritic	<O>																					
	80	Porphyritic andesite weakly meta	porphyritic	<O>																					
	95	Porphyritic andesite weakly meta	porphyritic	<O>																					
	121	Rhyodacite lapilli tuff weakly meta	clastic to porphyritic	<O>																					
	136	Dacite coarse tuff weakly meta	clastic to porphyritic	<O>																					
	175	Andesite weakly meta	porphyritic	<O>																					
	193	Andesite lapilli tuff weakly meta	clastic to porphyritic	<O>																					
	222	Andesite lapilli tuff weakly meta	clastic to porphyritic	<O>																					
	238	Andesite lapilli tuff weakly meta	clastic to porphyritic	<O>																					
	259	Dacitic lapilli tuff strongly by carbonate	clastic to porphyritic	<O>																					
	282	Rhyodacite coarse tuff silicified	clastic to porphyritic	<O>																					
	288	Dacite weakly meta	porphyritic	<O>																					

Appendix 1-31 Results of Microscopic Observation of Polished Sections (Core Samples)

Localities		Sample No.	Depth (m)	Rock Name	Pyrite	Chalcopyrite	Covellite	Chalcocite	Tetrahedrite	Sphalerite	Galena	Clausthalite (PbSe)	Altaite (PbTe)	Hessite (Ag ₂ Te)	Naumannite (Ag ₂ Se)	Magnetite	Hematite	Anatase	
4/6 Gossan	MJSU-1	153P	153.5	cp-py-sph stringers	⊙	○				⊙	○								
		215P	215.5	cp-py-sph vein	⊙	○				⊙	△			△					
4/6 Gossan	MJSU-2	122P	122.4	cp-py breccia ore	○	⊙				△									
		124P	124.3	py-cp-sph breccia ore	⊙	○				⊙	△		△						
		131P	131.2	py-sph-cp massive ore	⊙	○	△			⊙	△								
		132P	132.1	py-cp-sph massive ore	⊙	○	△			⊙	△								
		135P	135.7	py breccia ore	⊙	△				△	△								
		141P	141.2	py-cp massive ore	⊙	⊙	△			△									
Umm ad Damar North	MJSU-3	214P	214.9	cp-py network vein	○	⊙				○	△								
		220P	220.6	py-cp network vein	○	⊙										○	△		
Umm ad Damar North	MJSU-4	143P	143.3	py-cp vein, 4cm wide	⊙	⊙				○								△	
		149P	149.9	py-cp veinlets	○	⊙				△								○	
		156P	156.1	py-cp vein, 15cm wide	○	⊙				○	△	△							△
		279P	279.1	py-cp veinlets	○	⊙				△									
Umm ad Damar North	MJSU-5	81P	81.8	disseminated & layered cp-py	⊙	⊙				△								△	
		96P	96.8	cp-py veinlets	△	⊙				△									
		236P	236.1	cp veinlets, 15cm wide	△	⊙													△
		271P	271.2	massive py	⊙	○				△									
		273P	273.1	layered py-cp-sph	△	⊙				○									○
		329P	329.6	cp veinlets, 1.5m wide	○	⊙							△						△
4/6 Gossan	MJSU-6	135P	135.2	thinly banded breccia ore consisting of sph-py-cp	△	△	△	△		⊙	△		△						
northeast of 4/6 Gossan	MJSU-7	60P	60.2	cp-qtz vein, 20cm wide	△	⊙			△	△									
		63P	63.3	cp-qtz veinlets, 1-2cm wide	⊙	⊙				△		△		△				△	
		76P	76.6	cp-qtz veinlets, 15cm wide	⊙	△				△		△							△
Jabal Sujarah	MJSU-8	73P1	73.3	py-cp massive ore fragment, 4 × 4cm	○	○				△		△							
		73P2	73.5	sph massive ore fragment, 7 × 7cm	○	○				⊙									
		83P	83.0	py-cp massive ore	⊙	△													△

⊙abundant, ○common, △small

Appendix 1-32 Results of X-ray Diffraction Analysis (Core Samples)

Localities (Drill Hole No.)		Sample No.	Depth(m)	Rock Name	Quartz	Calcite	Chlorite	Sericite	Plagioclase	Pyrite	Chalcopyrite	
4/6 Gossan	MJSU-2	98X	98.6	Rhyodacitic lapilli tuff	⊙		△	⊙	○			
		117X	117.4	Basaltic tuff	⊙	○	⊙		△			
		125X	125.7	Rhyodacitic lapilli tuff	△		⊙			○		
		129X	129.0	Rhyodacitic lapilli tuff	⊙		△	△				
		142X	142.2	Rhyodacitic tuff	○		⊙					
		144X	144.7	Rhyodacitic tuff	⊙		△	△	△			
Umm ad Damar North	MJSU-3	211X	211.5	Porphyritic dacite	⊙		○	△				
		217X	217.5	Rhyodacitic coarse tuff	⊙		△	△				
		224X	224.5	Silicified volcanic rocks, rhyodacitic?	⊙		△		△			
Umm ad Damar North	MJSU-4	56X	56.3	Strongly silicified rhyodacitic? rock	⊙	△	⊙	○		△		
		61X	61.5	Silicified rhyodacitic rock	⊙	△		⊙				
		131X	131.6	Rhyodacitic coarse tuff	⊙	⊙	○	△				
		138X	138.0	Dacitic coarse tuff	⊙	△	⊙	○				
		143X	143.1	Chloritized part	⊙	△	⊙	○		△		
		145X	145.3	Dacitic coarse tuff	⊙	△	⊙	○		○		
		285X	285.8	Pyritized part	⊙	△	○	○		○		
Umm ad Damar North	MJSU-5	79X	79.6	Strongly chloritized part	⊙	○	⊙	○		△		
		96X	96.3	Strongly chloritized part	⊙	⊙	○					
		236X	236.1	Chloritized part	⊙		⊙			△	○	
		246X	246.6	Chloritized part			⊙			△		
		270X	270.6	Chlorite & siliceous layer in thinly banded pyrite ore	⊙	△	○	△				
		274X	274.3	Chlorite & siliceous layer in banded pyrite ore	△		⊙			△	△	
		331X	331.1	Strongly chloritized part	△		⊙				△	
northeast of 4/6 Gossan	MJSU-6	134X	134.2	Qtz-vein in graphite	⊙		○	△				
Jabal Sujarah	MJSU-8	41X	41.7	Brecciated silicified rock, rhyodacitic tuff?	⊙	⊙		○				
		74X	74.6	Clayey fine tuff	△		△	⊙		⊙		
		141X	141.8	Pumiceous volcanic breccia	⊙		△	△		△		
		184X	184.9	Pumiceous lapilli tuff			△	⊙		○		

Appendix 2-1 Results of Ore Assay (Core and Outcrop Samples)

Drill Hole No.	Sample No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	Cu (%)	Zn (%)	Pb (%)	S (%)	Fe (%)
UAD-4	1	105.95	107.95	2.00	0.30	21.2	1.88	0.05	0.00	4.98
	2	107.95	109.95	2.00	0.35	26.8	2.37	0.07	0.00	6.98
	3	109.95	112.05	2.10	0.36	20.8	1.67	0.56	0.00	8.75
	4	112.05	114.05	2.00	1.00	38.4	3.56	3.60	0.00	15.50
	5	114.05	115.00	0.95	1.44	40.8	4.06	1.96	0.00	8.25
K0013101		4/6 Gossan Prospect		<0.05	<1.0	0.01	0.01	0.01	-	31.09
K0020503		B-12 Chargeability Anomaly		<0.05	3.2	0.04	0.02	0.11	-	2.30
K0020603		O-21 Chargeability Anomaly		<0.05	1.8	0.09	0.01	0.00	-	14.91
K0020604		O-21 chargeability Anomaly		<0.05	<1.0	0.06	0.02	0.00	-	19.77
K0021401		West of J-18 Chargeability Anomaly		<0.05	<1.0	0.02	0.01	0.00	-	14.44
K0021402		West of J-18 Chargeability Anomaly		0.08	6.2	0.02	0.01	0.00	-	8.86
K0021403		West of J-18 Chargeability Anomaly		<0.05	<1.0	0.02	0.01	0.00	-	8.33
K0021404		4/6 Gossan Prospect		0.05	1.4	0.01	0.01	0.01	-	3.31

Appendix 2-3 Results of Microscopic Observation of Polished Sections (Outcrop and Core Samples)

Localities	Sample No.	Depth (m)	Rock Name	Pyrite	Chalcopyrite	Covellite	Chalcoite	Tetrahedrite	Sphalerite	Galena	Clausthalite (PbSe)	Altaite (PbTe)	Hessite (Ag ₂ Te)	Naumannite (Ag ₂ Se)	Pyrrhotite	Magnetite	Hematite	Geothite	Anatase	
Umm ad Damar South	108P	108.1	Py-cp-qtz vein	⊙	△				△											
	111P	111.5	Py-cp-qtz vein	⊙	○				○							△				
	112P1	112.2	Disseminated sp-py ore	⊙	○	△			○							△				
	112P2	112.6	Disseminated sph-cp-py ore	⊙	⊙				○							△				
Umm ad Damar North	99P	99.1	Cp-py stringers	⊙	⊙	△			△						△			△	△	
	104P	104.7	Cp-py stringers, dissemination	⊙	○	△			△						△			△		
	111P	111.1	Cp-py stringers	⊙	○	△			△									△		
	243P	243.6	Cp-py stringers, dissemination	⊙	○													△		
South of 4/6 Gossan	K0013101		Siliceous Fe-oxides																	
Northeast of M-27 Anomaly	K0022403		Quartz vein? with Cu-oxides		△															△

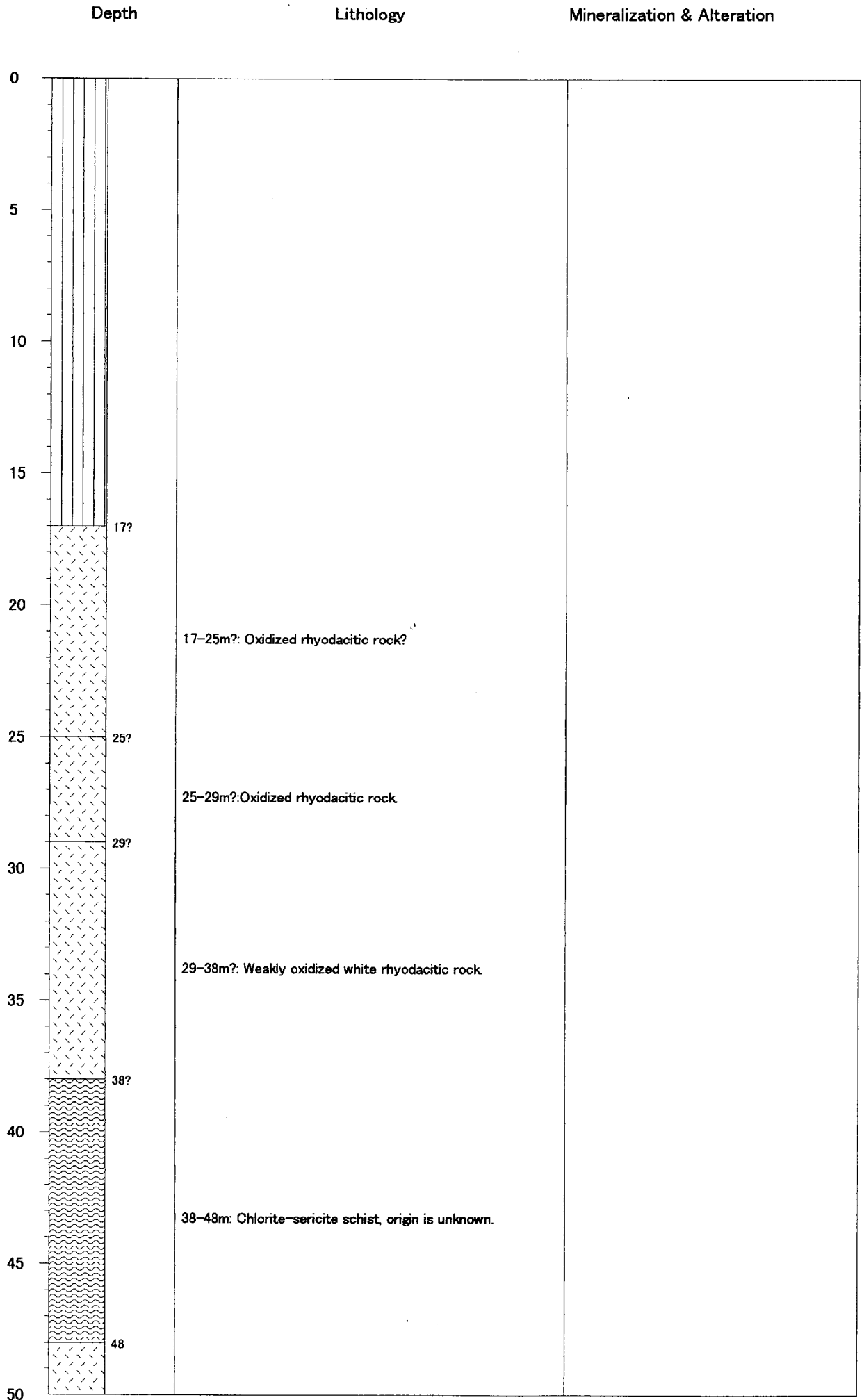
⊙abundant, ○common, △small

Appendix 2-4 Results of X-ray Diffraction Analysis (Outcrop and Core Samples)

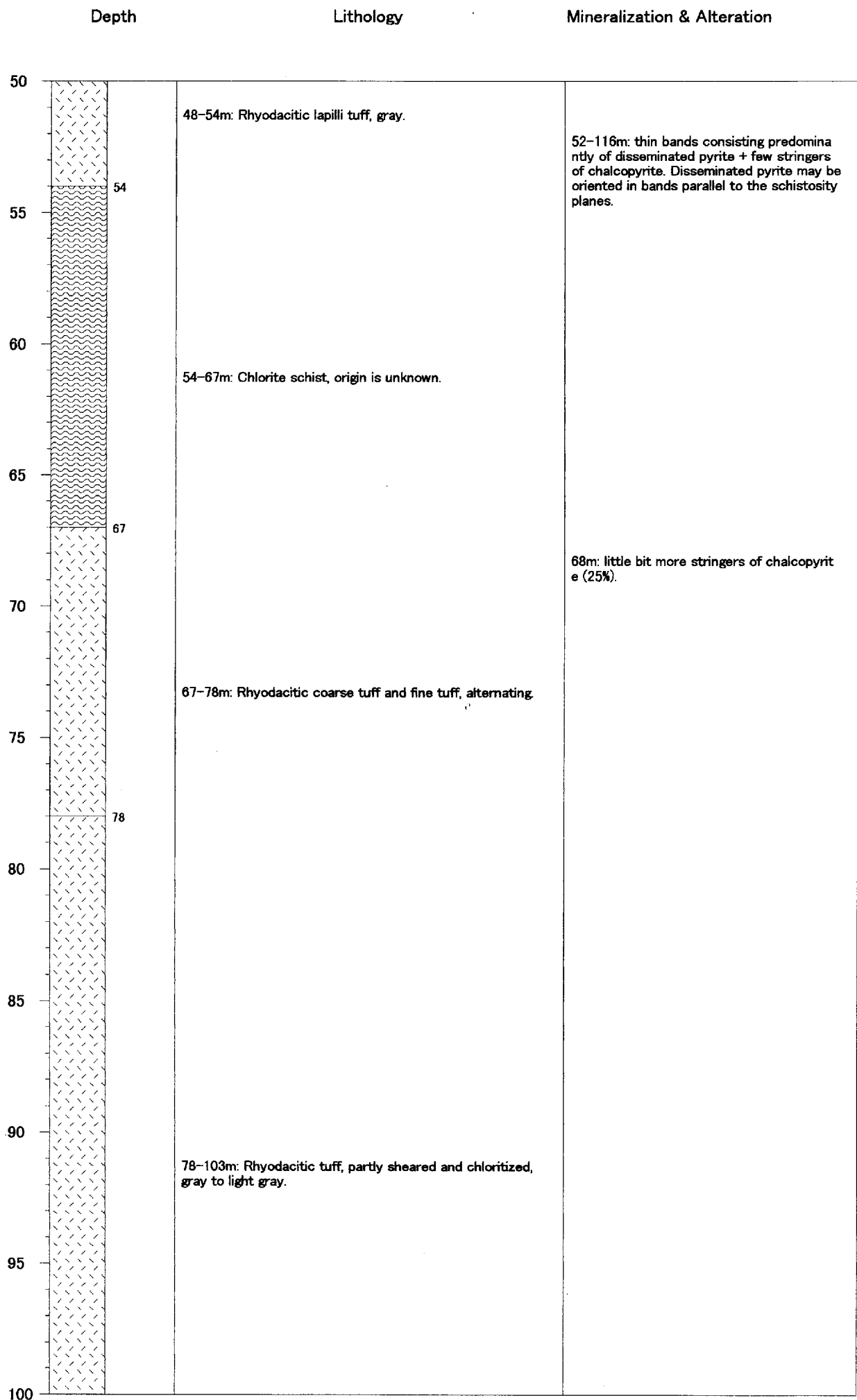
Localities (Drill Hole No.)	Sample No.	Depth(m)	Rock Name	Quartz	Tremolite	Calcite	Chlorite	Sericite	Plagioclase	Epidote	Talc	Pyrite	Chalcopyrite	Hematite
Umm ad Damar South	112X	112.9	Chloritized rock	△		⊙	△				⊙	△	△	
	114X	114.5	Chloritized rock	⊙		○	△					△		
West of Umm ad Damar South Prospect	K0020801		Strongly epidotized andesitic rock	△	⊙	△	△			○				
West of J-18 Anomaly	K0021402		Silicified dacitic rock with hematite	⊙				△						△
West of J-18 Anomaly	K0021403		Silicified and clayey dacitic rock with hematite	⊙										△
North of MJSU-7	K0020602		Carbonatized rhyodacitic rock	⊙		△	△	△						
Northeast of MJSU-7	K0020601		Ferruginous rhyodacitic rock	⊙										△
North of Jabal Sujarah	K0020504		Silicified rock with hematite, jasper?	⊙										
North of M-27 Anomaly	K0022401		Strongly silicified dacitic rock with hematite	⊙			△	△						
J-18 Anomaly	K0022408		Rhyodacitic rock with hematite	⊙			△	△						

Appendix 2-5 Geological Logs of UAD-3, UAD-4, UAD-6 and UAD-10

Drill Hole No.:	UAD-3	Easting:	E709.925	
Date Started:	1977	Northing:	N2617.370	
Date Completed:	1977	Elevation(mSL):	965m	Drilled by SEREM/US Steel



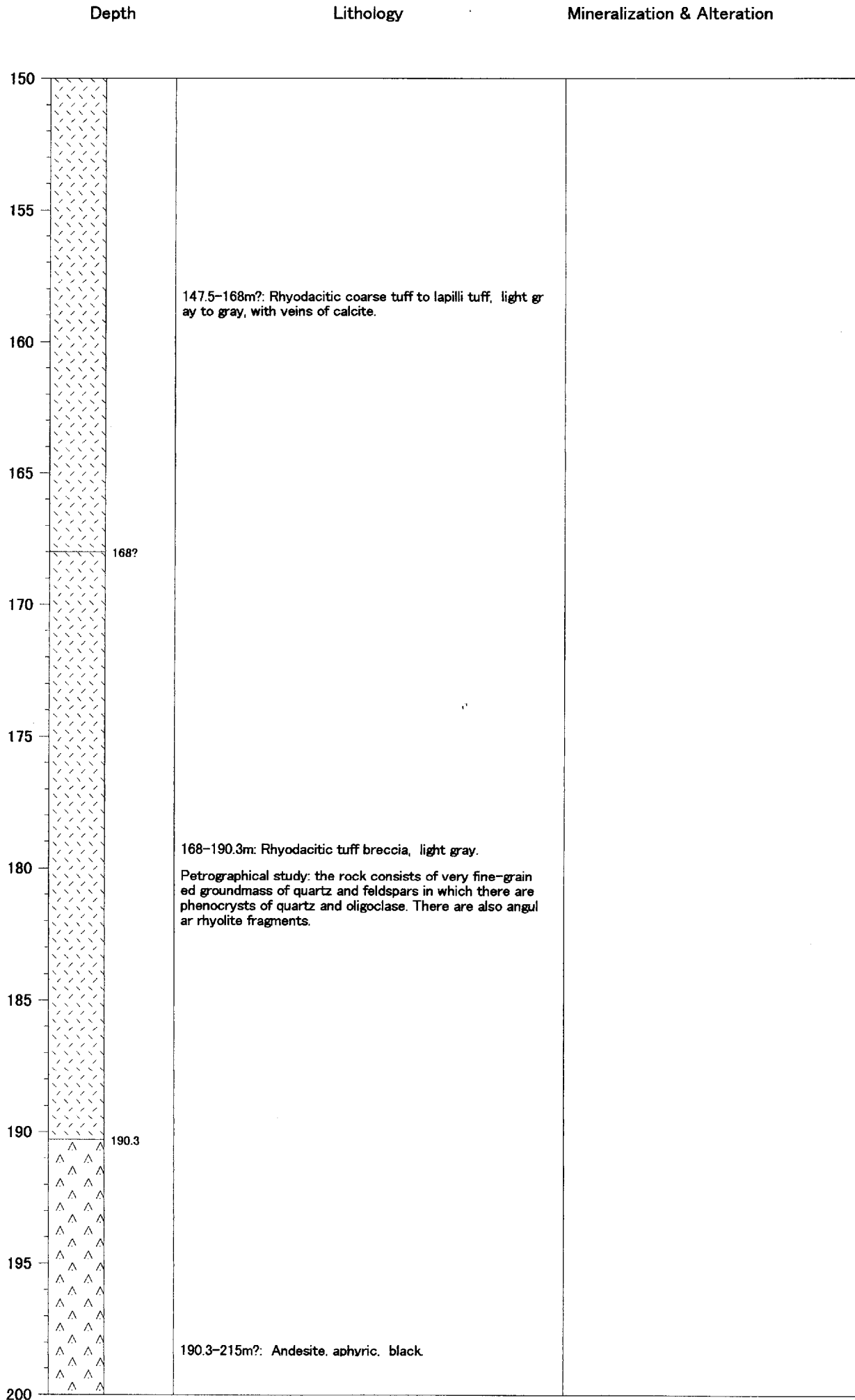
Drill Hole No.: UAD-3 Easting: E709.925
 Date Started: 1977 Northing: N2617.370
 Date Completed: 1977 Elevation(mSL): 965m Drilled by SEREM/US Steel



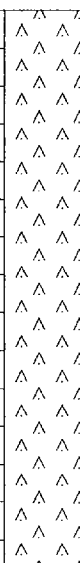

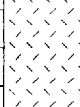



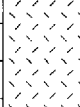




Drill Hole No.: UAD-3 Easting: E709.925
 Date Started: 1977 Northing: N2617.370
 Date Completed: 1977 Elevation(mSL): 965m Drilled by SEREM/US Steel

Depth	Lithology	Mineralization & Alteration
100		
103		
105		
110	103-116.1m: Silicified rhyodacitic tuff? light gray.	109m: little bit more stringers of chalcopyrite (25%).
115		
116.1		
120		
125		
130		
135	116.1-139m: Rhyodacitic rock? weakly chloritized, gray.	
140		
139		
145	139-147m: Altered rhyodacite, gray, barren quartz-calcite veinlets.	139-147m: root of copper-quartz vein?
147	147-147.5m: Andesite porphyry.	
147.0		
147.5	Petrographical study: the groundmass is composed of fine-grained crystals of tremolite-actinolite and plagioclase. Microphenocrysts are composed of plagioclase and tremolite-actinolite. The rock is cut by veinlets of calcite and quartz.	
150		

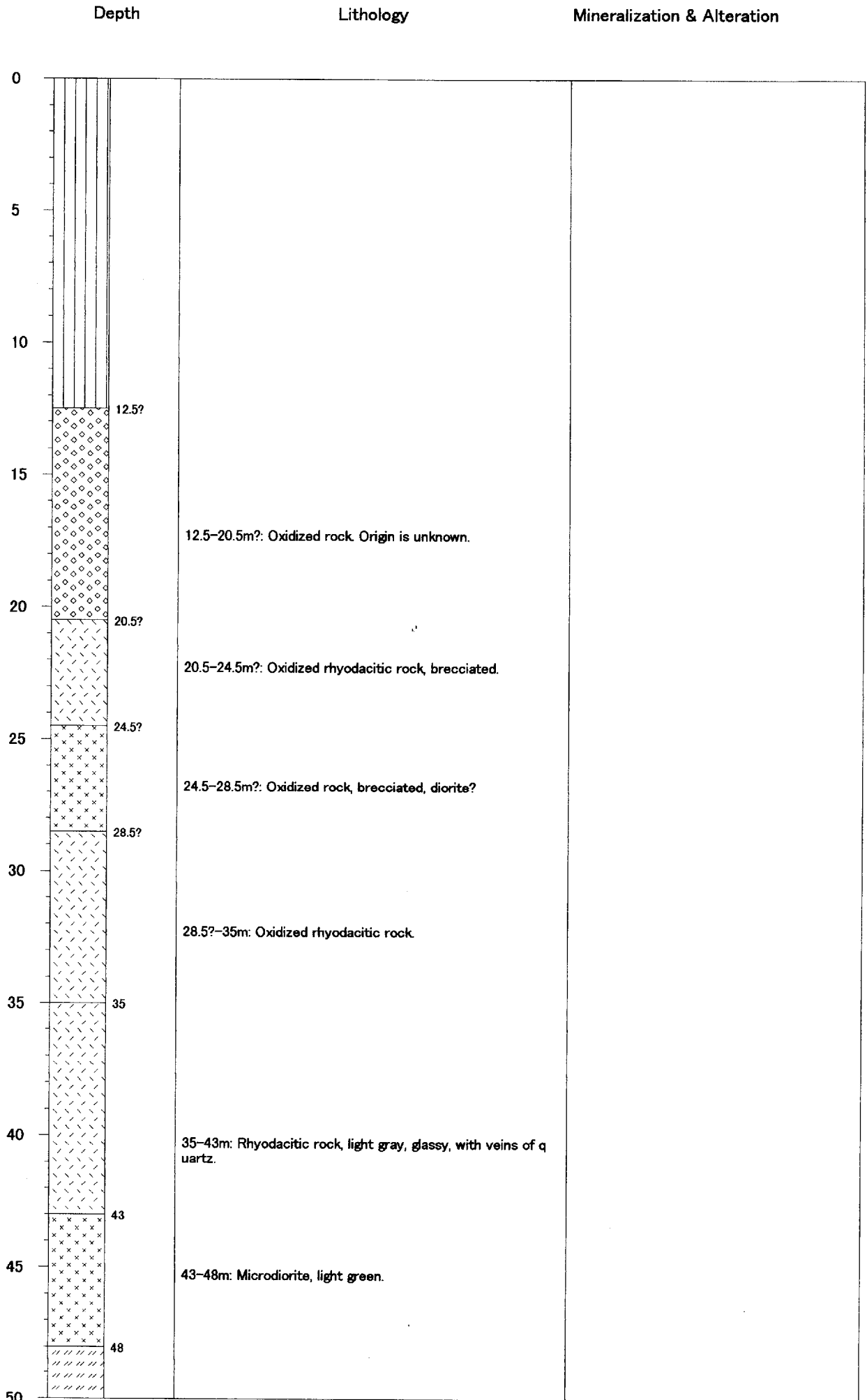
Drill Hole No.: UAD-3 Easting: E709.925
 Date Started: 1977 Northing: N2617.370
 Date Completed: 1977 Elevation(mSL): 965m Drilled by SEREM/US Steel



Drill Hole No.:	UAD-3	Easting:	E709.925	
Date Started:	1977	Northing:	N2617.370	
Date Completed:	1977	Elevation(mSL):	965m	Drilled by SEREM/US Steel

Depth	Lithology	Mineralization & Alteration
200 	Petrographical study: the rock is fine-grained and consists of plagioclase (about 40%). Chlorite forms patches and aggregates of penninite and comprises about 30% of the rock. Iron oxide forms about 30% of the rock and occurs as fine disseminations mostly associated with the chlorite. Scand aries include epidote, calcite and clinozoisite.	
205 		
210 		
215 	215-220m?: Rhyodacitic tuff?	
220 	220-221.8m: Andesitic tuff? dark green.	
225 		
230 	221.8-237.6m: Rhyodacitic tuff, white to gray, pyrite dissemination.	
235 		
240 		
245 		
250 		

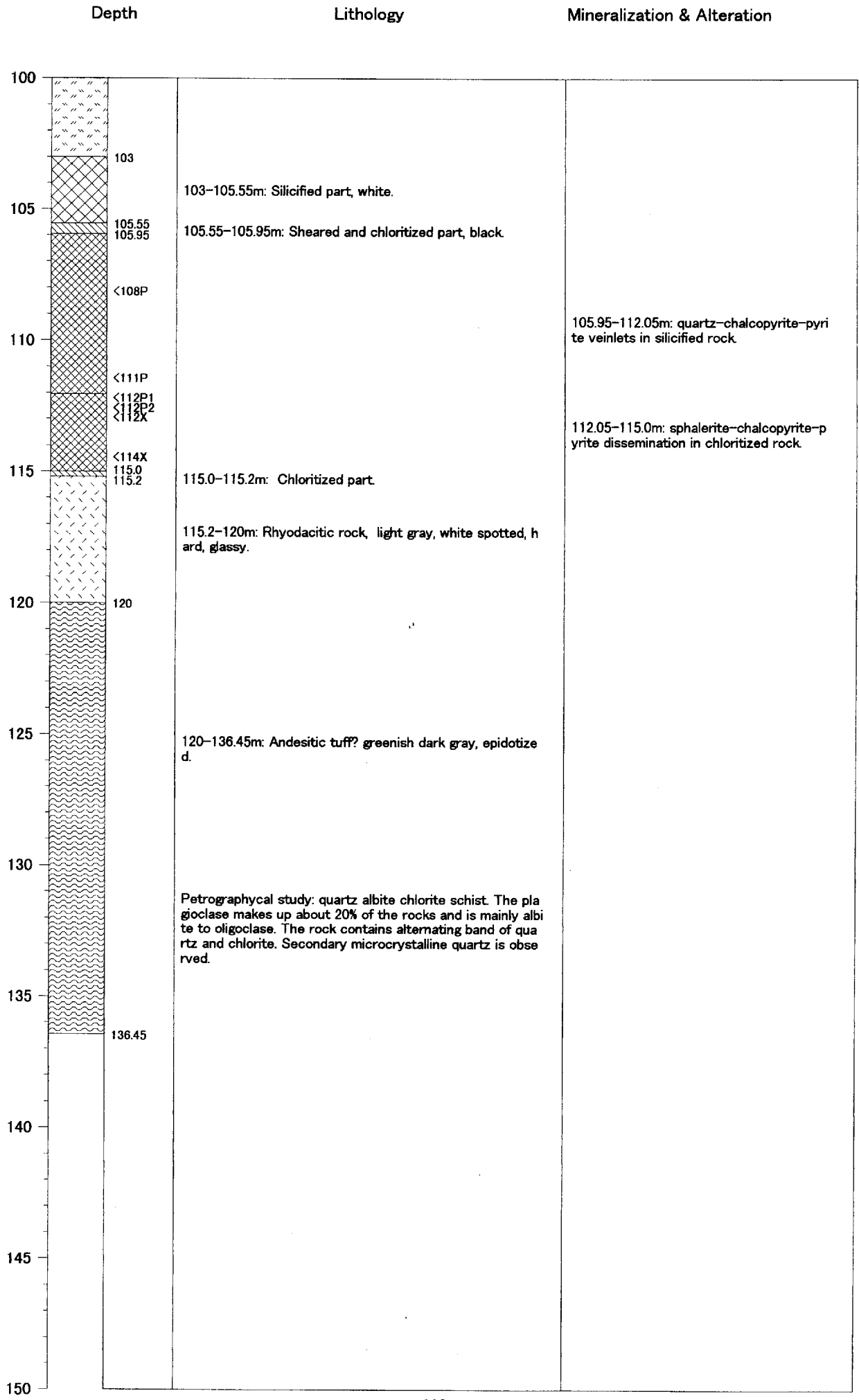
Drill Hole No.: UAD-4 Easting: E709.878
 Date Started: 1977 Northing: N2617.295
 Date Completed: 1977 Elevation(mSL): 964m Drilled by SEREM/US Steel



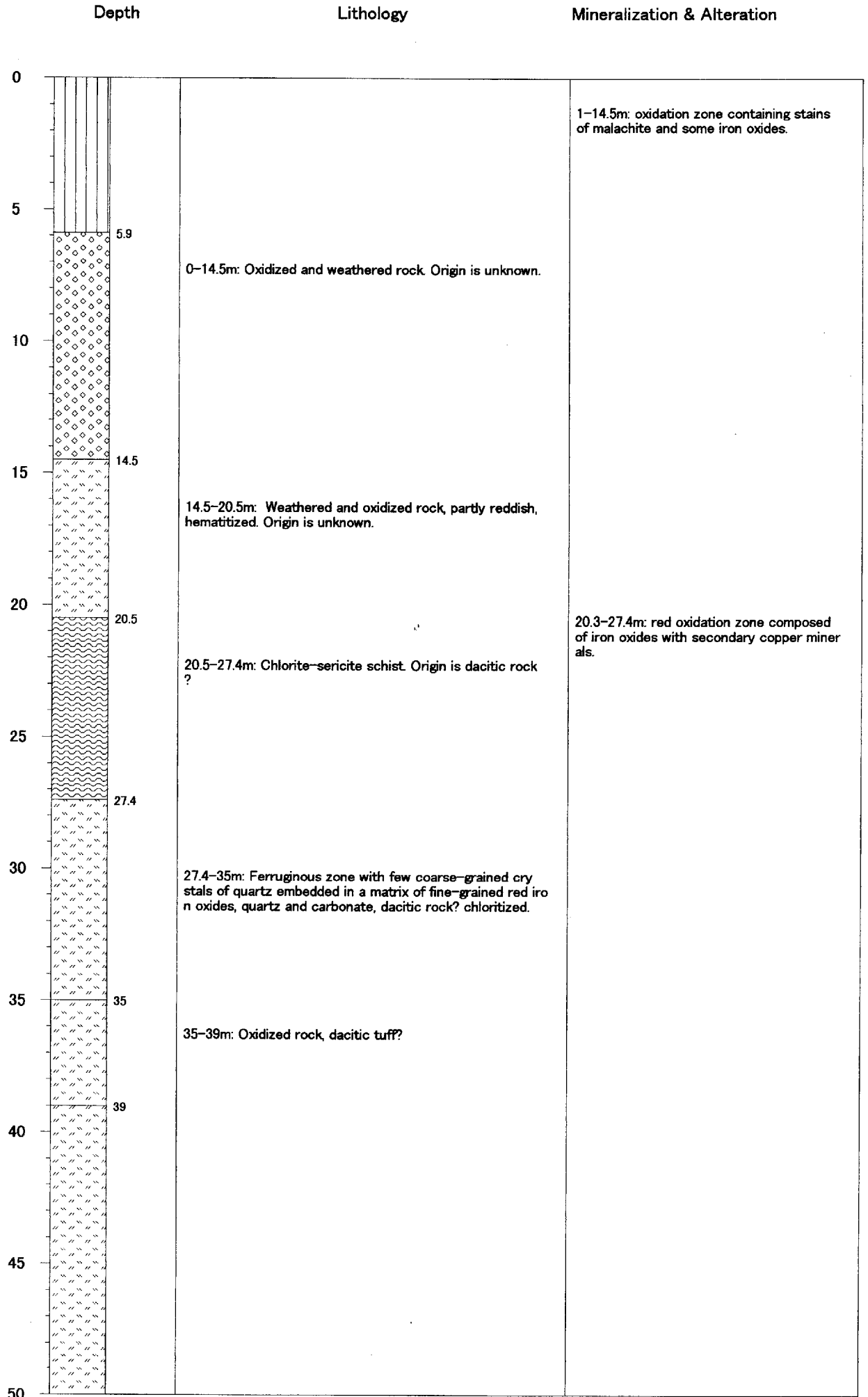
Drill Hole No.: UAD-4 Easting: E709.878
 Date Started: 1977 Northing: N2617.295
 Date Completed: 1977 Elevation(mSL): 964m Drilled by SEREM/US Steel

Depth	Lithology	Mineralization & Alteration
50	48-75m: Andesitic tuff, greenish gray. Petrographical study: the rock shows development of fine-grained chlorite, sericite, epidote and tremolite-actinolite. There are fragments composed mostly of glassy material.	
55		
60		
65		
70		
75	75-81.5m: Rhyodacitic? rock, white to light gray, traversed by numerous quartz veins.	
80		
85	81.5-90.7m: Dacitic? tuff, greenish gray.	
90		
95	90.7-103m: Dacitic? tuff, gray, weakly chloritized.	
100		

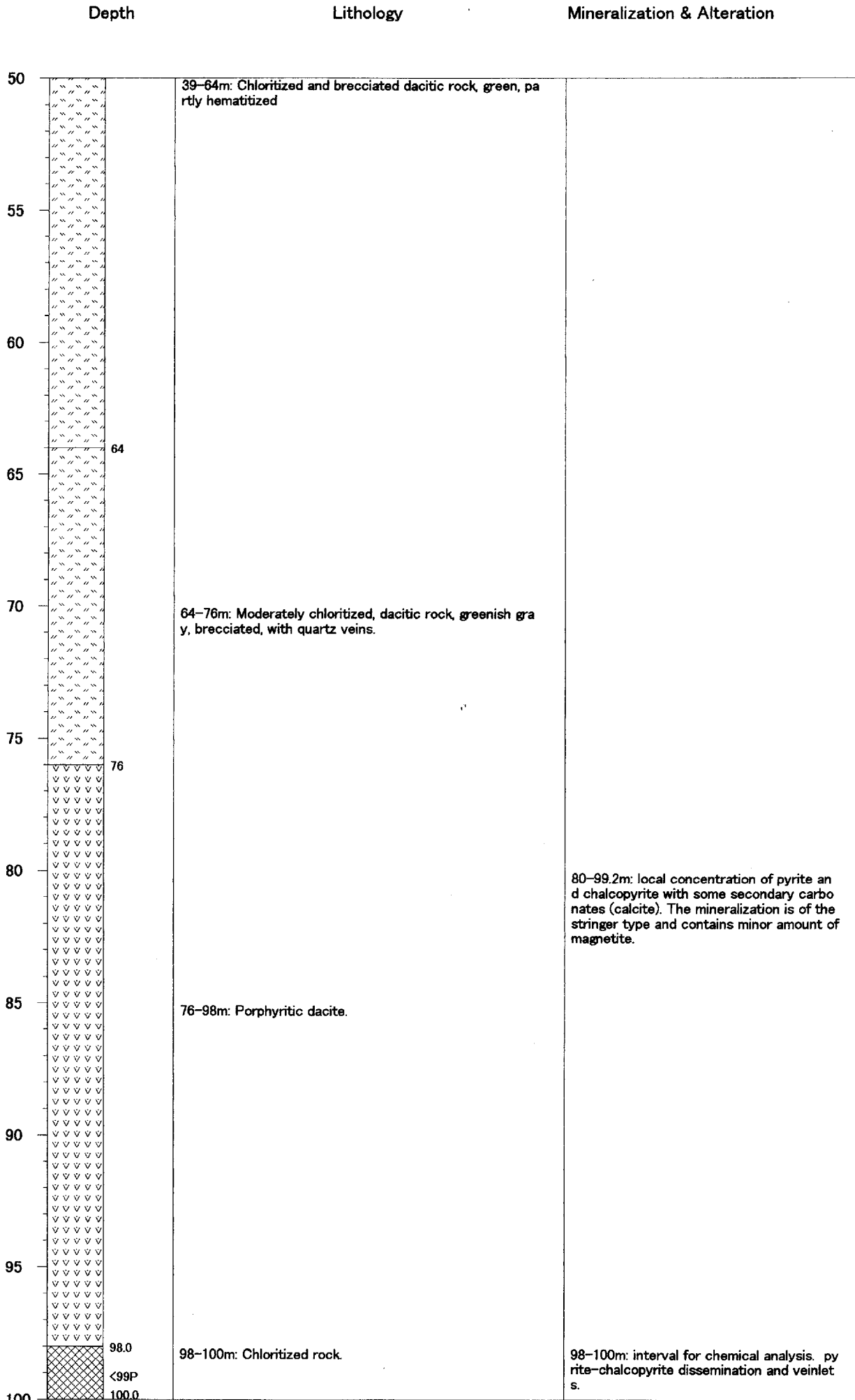
Drill Hole No.:	UAD-4	Easting:	E709.878	
Date Started:	1977	Northing:	N2617.295	
Date Completed:	1977	Elevation(mSL):	964m	Drilled by SEREM/US Steel



Drill Hole No.:	UAD-6	Easting:	E709.233	
Date Started:	1977	Northing:	N2619.284	
Date Completed:	1977	Elevation(mSL):	966m	Drilled by SEREM/US Steel



Drill Hole No.: UAD-6 Easting: E709.233
 Date Started: 1977 Northing: N2619.284
 Date Completed: 1977 Elevation(mSL): 966m Drilled by SEREM/US Steel



Drill Hole No.: UAD-6 Easting: E709.233
 Date Started: 1977 Northing: N2619.284
 Date Completed: 1977 Elevation(mSL): 966m Drilled by SEREM/US Steel

Depth	Lithology	Mineralization & Alteration
100	100-104m: Porphyritic dacite? greenish gray.	
104	104-113m: Altered zone composed mainly of chlorite and quartz.	104-113m: interval for chemical analysis, pyrite-chalcopyrite dissemination and veinlets.
105	<K9030301(109.1m)	<111P
110	113	115
120	113-130m: Porphyritic dacite, greenish gray, size of plagioclase 2-5mm. Mafic minerals are chloritized.	125
130	130-135m: Porphyritic dacite, size of plagioclase 2-5mm, partly contains quartz-eye.	135
135	Petrographical study: meta-dacite porphyry composed of chlorite and sericite, and small crystal of plagioclase. There are phenocrysts of plagioclase and quartz. The phenocrysts of plagioclase are partly altered to sericite. The size of phenocrysts may reach up to 1mm in diameter.	140
140	135-142.3m: Dacite, greenish gray.	145
145	142.3-152.53m: Dacite, greenish gray, quartz-eye. Size of quartz is 5-8mm in diameter.	142.3-186m: local dissemination of pyrite (50%).
150	142.3	150

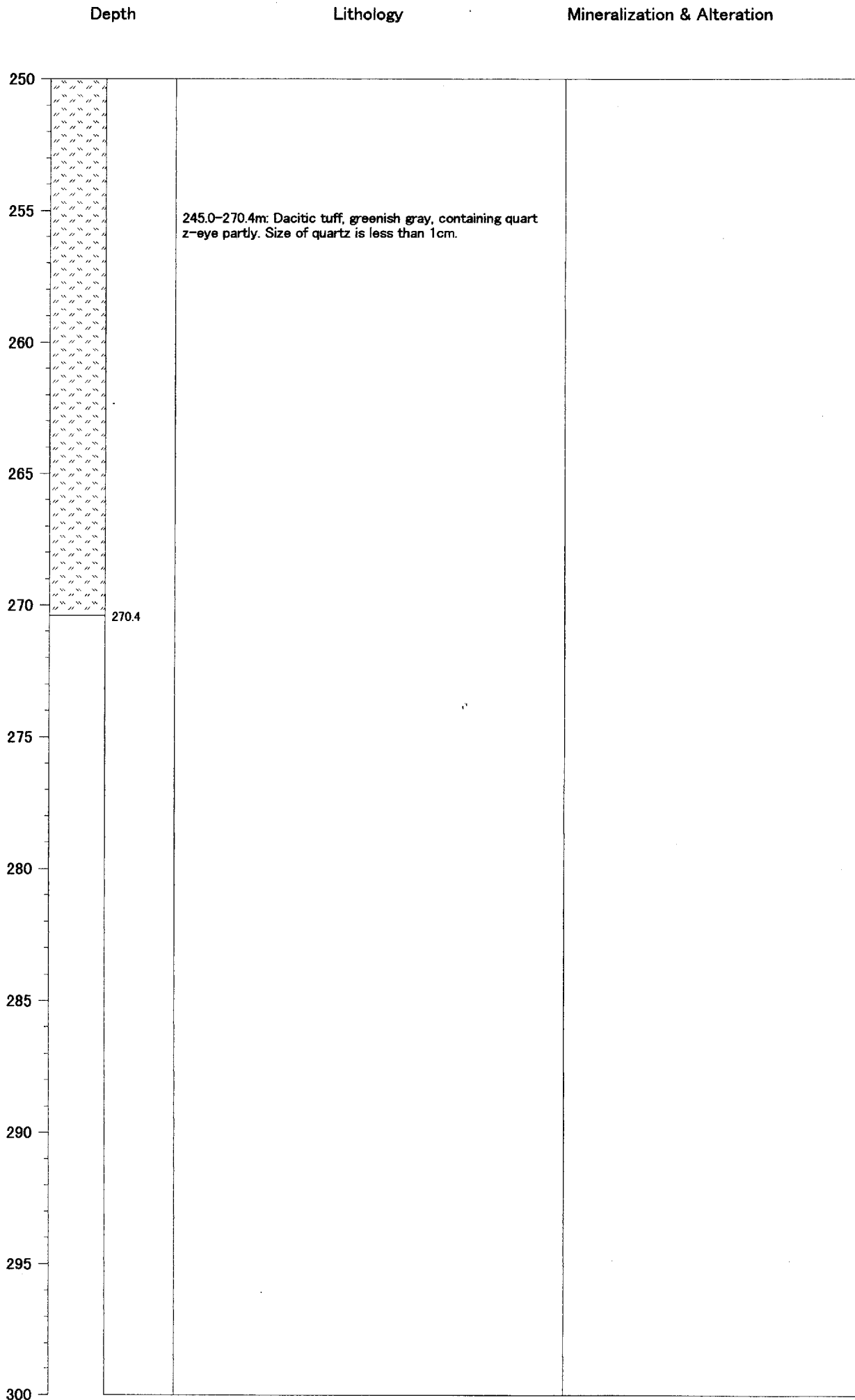
Drill Hole No.: UAD-6 Easting: E709.233
 Date Started: 1977 Northing: N2619.284
 Date Completed: 1977 Elevation(mSL): 966m Drilled by SEREM/US Steel

Depth	Lithology	Mineralization & Alteration
150 152.53 155 160 165 170 175 180 185 190 195 200	<p>152.53-197.1m: Porphyritic quartz-eye dacite, lava? greenish gray.</p> <p>Previous petrographical study: Rock is composed of fine-grained quartz and feldspars that are partly to completely altered to clay minerals, mainly sericite. The fragments observed in the rock are composed of chlorite, epidote and opaque iron oxides, and pyrite.</p>	

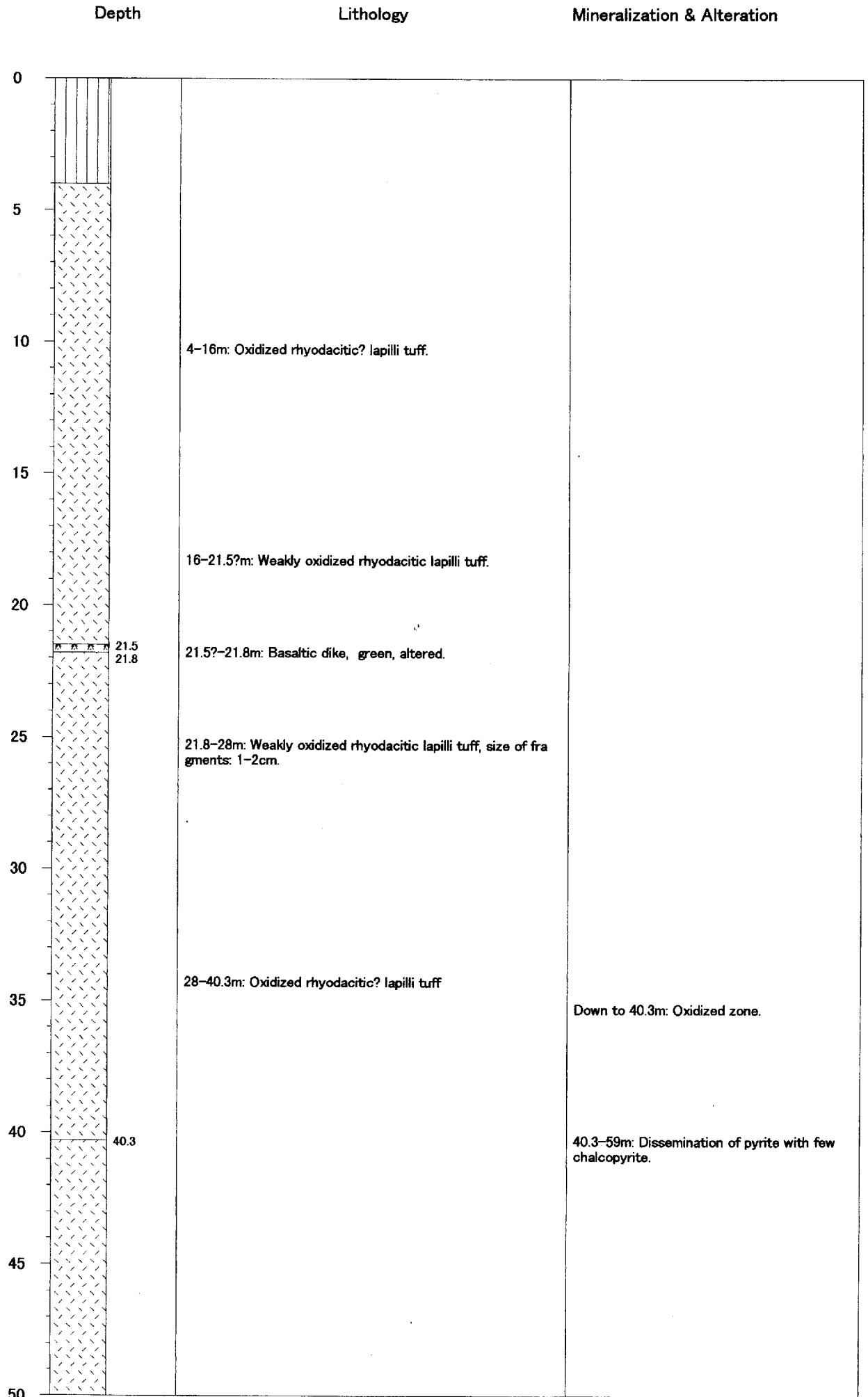
Drill Hole No.: UAD-6 Easting: E709.233
 Date Started: 1977 Northing: N2619.284
 Date Completed: 1977 Elevation(mSL): 966m Drilled by SEREM/US Steel

Depth	Lithology	Mineralization & Alteration
200	197.1-212.54m: Porphyritic dacite, greenish gray, chloritized and epidotized. Size of plagioclase is 2-8mm in diameter	
205		
210		
212.54		
215		
220	212.54-227.70m: Dacite? greenish gray.	
225		
227.70		
230	227.70-237.05m: Dacitic tuff, greenish gray, chloritized, containing angular silic fragments (size <1cm).	
235		
237.05		237.05-239.75m: Interval for chemical analysis.
239.75	239.75-242.35m: Dacitic tuff.	
242.35		
243P		
245.0	242.35-245.0m: Chloritized part.	242.35-245.0m: Interval for chemical analysis. Pyrite-chalcopyrite dissemination and veinlets.
250		

Drill Hole No.: UAD-6 Easting: E709.233
 Date Started: 1977 Northing: N2619.284
 Date Completed: 1977 Elevation(mSL): 966m Drilled by SEREM/US Steel



Drill Hole No.:	UAD-10	Easting:	E709.195	
Date Started:	1977	Northing:	N2618.928	
Date Completed:	1977	Elevation(mSL):	955m	Drilled by SEREM/US Steel



Drill Hole No.: UAD-10 Easting: E709.195
 Date Started: 1977 Northing: N2618.928
 Date Completed: 1977 Elevation(mSL): 955m Drilled by SEREM/US Steel

