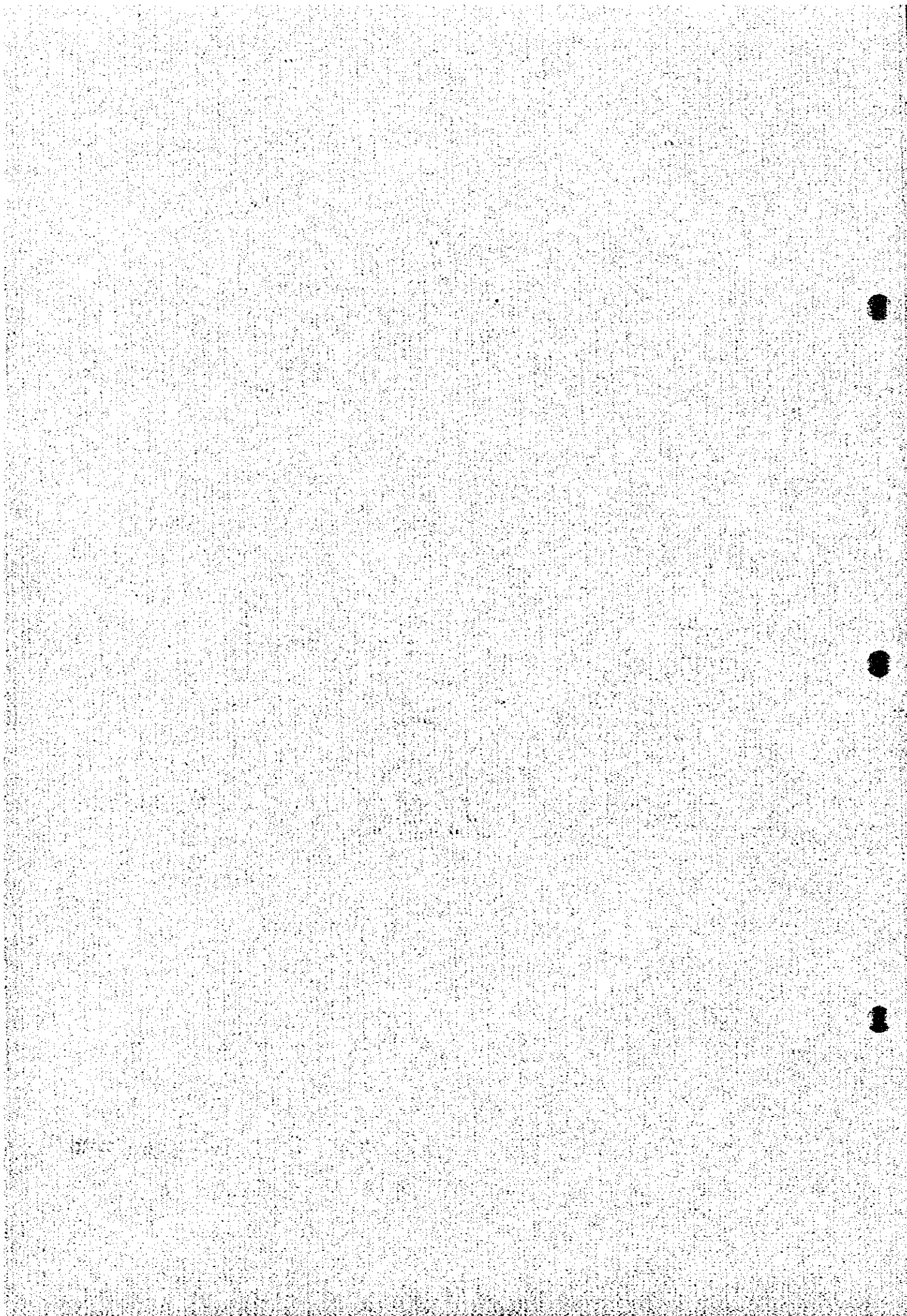


APPENDICES



1. Existing Drill Hole Data(1)

HOLE NO.	TYPE OF HOLE	YEAR	CO-ORDINATES		COLLAR ELEVATION ASL IN METRES	INCLINATION	TRUE BEARING	TOTAL DEPTH IN METRES	MINERALIZATION		F / W ELEVATION ASL IN METRES	INTER-SECTION ANGLE	REC %	TRUE THICKNESS IN m	AVERAGE PERCENT			HORIZON / FORMATION	HOLE NO.	
			-Y	+X					FROM	TO					TOTAL OXIDE	Cu	Co			
DH1	DD		11740.90	19790.66			124.97	RECORDS NOT AVAILABLE										DH1		
DH2	DD		10162.03	19434.05			196.90											DH2		
DH3	DD		10174.22	19415.76														DH3		
NN4	DD	1950	6638.54	15547.85	NO RECORD	Y	255.48	NO COPPER MINERALS RECORDED										NN4		
NN5	DD	1950	7789.98	15771.88		Y	287.18											NN5		
NN6	DD	1950	6620.57	12420.25	1226.95	Y	735.79	ABANDONED IN UPPER ROAN DOLOMITE										NN6		
NN7	DD	1958	11773.09	20133.96	NO RECORD	Y	137.16	36.58	92.66	570ppm								NN7		
NN8	DD	1958	11922.65	19972.89		Y	235.61	120.46	125.27	1146.50	24° 00'	96.8	1.93	1.10				NN8		
NN9	DD	1960	11737.01	19868.73		Y	407.21	223.42	224.64	1042.00	40° 00'	100	0.79	0.41				NN9		
NN10	DD	1960	11840.68	19781.08		Y	416.05	243.84	274.32		GEOCHEM				300ppm			NN10		
NN11	DD	1960	9206.52	13223.31	1192.85	Y	593.75	504.75	512.98	635.00	87° 30'	97.4	8.23	1.57	0.01	0.03	Cp. Bn. SHALE/DOLomite	NN11		
							or	505.36	512.98	635.00	87° 30'	97.2	7.62	1.64	0.01	0.03	*			
							or	497.49	512.98		88° 00'	100	5.49	1.88	0.01	0.04				
NN12	DD	1960	8912.72	13193.45	1192.89	Y	530.05	493.78	509.02		GEOCHEM				400ppm			NN12		
NN13	DD	1961	9206.26	12388.33	1197.42	Y	629.41	541.81	545.77	660.70	79° 30'	100	2.41	1.85	0.01	0.07	Cp SHALE	NN13		
							or	542.12	544.56	660.70	79° 00'	100	2.50	2.75	0.06					
NN14	DD	1961	9190.47	13556.04	1209.09	Y	554.13	519.23	521.76		83° 00'	100	1.43	4.48	0.08				NN14	
							or	520.29	521.76	714.80	83° 18'	100	7.86	1.27	0.01	0.03				
NN15	DD	1961	9481.40	13359.55	1203.67	Y	522.73	487.25	495.15	709.90	83° 00'	100	4.97	1.48	0.01	0.04	Cp SHALE	NN15		
							or	487.86	492.86		85° 00'	100	2.41	0.81	0.01	0.02				
NN16	DD	1961	9508.02	13733.93	1218.64	Y	511.15	483.41	485.85	759.00	80° 00'	100	3.35	1.41	0.01	0.07	Cp SHALE	NN16		
NN17	DD	1962	8915.58	12743.69	1205.95	Y	657.76	573.48	577.44	635.00	67° 30'	100	5.80	2.43	0.05	0.05	Cp SHALE	NN17		
NN18	DD	1962	8628.28	12888.62	1264.93	Y	671.17	541.32	549.25		59° 00'	98.8	4.48	2.81	0.05	0.07			NN18	
							or	544.28	549.25		54° 24'	98.2	3.35	3.29	0.06	0.07				
							or	545.59	549.25		66° 30'	100	6.40	1.39	0.05	0.05				
NN19	DD	1962	8648.14	12568.65	1212.69	Y	724.18	599.85	606.61		71° 00'	100	2.53	2.66	0.05	0.08	Cp SHALE	NN19		
							or	603.96	606.67	609.50	72° 13'	100	8.84	1.44	0.05	0.11				NN20
NN20	DD	1963	8399.76	12756.90	1211.03	Y	576.99	472.44	481.64		74° 00'	100	5.94	1.83	0.05	0.13				NN20
							or	475.49	481.64		75° 00'	100	4.24	1.14	0.03	0.05				NN21
NN21	DD	1963	8338.52	12390.76	1216.19	Y	600.46	524.56	528.96		73° 30'	100	2.47	1.50	0.03	0.06				NN21
							or	526.39	528.98	690.50	71° 20'	100	6.80	2.07	0.03	0.18				NN22
NN22	DD	1963	7742.22	12065.97	1204.15	Y	812.60	662.33	699.19		78° 00'	98.7	5.61	2.37	0.03	0.13				NN22
							or	662.94	668.67	548.00	77° 48'	98.4	4.94	2.72	0.03					D2
							or	675.74	664.77	669.95	72° 42'	97.0	8.66	1.85	0.11	0.18				NN23
NN23	DD	1965	8035.75	12920.21	1205.86	Y	553.21	444.55	453.54		74° 30'	100	4.75	2.62	0.10	0.27				NN23
							or	453.54	453.54	763.00	76° 30'	100	11.09	0.20						NN24
NN24	DD	1966	8334.65	13054.78	1203.22	Y	438.00	395.63	406.91		79° 30'	100								NN24

DD: DIAMOND DRILL, SH: SHOT, CH: CHURN, ASL: ABOVE SEA LEVEL (assumed local datum)

1. Existing Drill Hole Data (2)

HOLE NO.	TYPE OF HOLE	YEAR	CO-ORDINATES		COLLAR ELEVATION ASL IN METRES	INCLINATION	TRUE BEARING	TOTAL DEPTH IN METRES	MINERALIZATION		F / V ELEVATION ASL IN METRES	INTER-SECTION ANGLE	REC %	TRUE THICKNESS IN IN	AVERAGE PERCENT			HORIZON / FORMATION	HOLE NO.	
			-Y	+X					FROM	TO					TOTAL OXIDE	Cu	Co			
NN25	DD	1966	704.73	12780.87	1201.50	V		629.72	523.22	527.08		85°00'	100	3.84	1.33		0.13		Cp DOLOMITE / SHALE	NN25
								or	524.87	527.08	679.00	87°00'	100	2.19	1.77		0.16	*		
NN26	DD	1966	7132.01	13035.56	1200.79	V		488.90	457.96	465.23		79°24'	93.8	7.19	1.60	0.03	0.16		Cp, Bn SHALE	NN26
								or	460.55	465.23	743.00	78°30'	100	4.63	1.87	0.02	0.12	*		
								or	460.55	464.21		80°00'	100	3.80	2.12	0.01	0.14			
NN27	DD	1966	7141.60	13352.85	1197.76	V		500.79	446.38	452.48		82°00'	100	6.04	2.05	0.05	0.26		Cp SHALE	NN27
								or	446.99	452.17		81°00'	100	5.12	2.31	0.05	0.23	*		
								or	447.60	451.10		79°18'	100	3.44	2.85	0.05	0.23			
NN28	DD	1966	7137.72	13336.68	1209.39	V		869.59	679.25	682.14	534.00	70°00'	100	2.72	0.98	0.03	0.09	*	Cp SHALE	NN28
28D1		1967						315.62	676.05	680.80		69°18'	100	4.45	1.17	0.05	0.09			28D1
								or	677.88	680.80	534.00	68°12'	100	2.71	1.50	0.05	0.09	*		
NN29	DD	1967	7192.02	12342.95	1218.97	V		691.59	ABANDONED IN UPPER ROAN DOLOMITE											NN29
NN29A	DD	1967	7192.02	12342.95	1218.97	V		1469.44	1240.81	1253.40		62°20'	99.8	11.16	1.54	0.03	0.19		Cp SHALE	NN29A
								or	1240.81	1250.96		63°30'	99.7	9.08	1.75	0.04	0.17	*		
								or	1240.81	1246.33		59°30'	99.4	4.75	2.13	0.04	0.22			
NN30	DD	1967	8072.50	13238.08	1197.89	V		425.50	399.29	402.84		GEOCHEM							DOLOMITE	NN30
NN31	DD	1967	7964.22	12417.83	1207.56	V		636.84	552.18	558.61		75°00'	100	6.22	1.26	0.06	0.08		Cp SHALE	NN31
								or	553.52	558.15	658.80	78°45'	100	4.45	1.48	0.05	0.04	*		
NN32	DD	1968	6056.76	11934.74	1242.69	V		236.52	20.73	23.18		69°00'	88.8	2.29	0.70	0.07	0.05	*	DOLOMITE / SHALE	NN32
NN33	DD	1969	6389.29	11855.75	1236.87	70°	076°	402.95	146.30	132.10		GEOCHEM							SHALE	NN33
NN34	DD	1969	7865.44	13913.24	1195.18	V		585.52	504.75	510.84		73°20'	100	5.82	1.59	0.03	0.03		Bn SHALE	NN34
								or	504.75	509.02	692.00	76°00'	100	4.15	1.91	0.04	0.03			
								or	504.75	510.17	686.00	74°00'	95.6	6.64	1.40	0.03	0.03	*		
NN35	DD	1969	8877.39	13748.48	1210.54	V		605.64	503.22	510.17		GEOCHEM							DOLOMITE	NN35
NN36	DD	1969	8300.71	14028.19	1208.12	V		526.39	470.92	486.16		GEOCHEM							DOLOMITE	NN36
NN37	DD	1969	7922.67	14317.17	1207.82	V		491.84	454.15	466.84		GEOCHEM							DOLOMITE	NN37
NN38	DD	1969	7444.05	14313.84	1198.89	V		487.68	457.20	476.71		GEOCHEM							Bn, Cp SHALE	NN38
D1								720.55				CORE LOSS THROUGH 086 SHALE							Bn, Cp SHALE	D1
								790.04	705.92	712.32		30°18'	100	6.31	2.10	0.01	0.03			
								or	706.83	710.79	505.00	79°10'	100	3.90	2.98	0.01	0.03	*		
NN39D1	DD	1970	7120.58	14671.36	1201.82	V		488.59	411.48	413.00		GEOCHEM							DOLOMITE	NN39D1
NN40	DD	1970	6972.59	14241.55	1193.53	V		1136.29	923.85	933.97		75°30'	100	9.78	2.17	0.01	0.04	*	Bn SHALE	NN40
NN41	DD	1974	7432.90	14707.65	1197.11	V		917.97	788.20	806.72	461.00	86°00'	96.3	1.31	1.07	0.01	0.01	*	Bn, Cp SHALE DOLOMITE	NN41
NN42	DD	1975	9238.45	14946.96	1215.75	V		866.46	789.26	806.82	485.00	67°00'	97.3	16.27	2.29	0.02	0.10	*	Cp SHALE	NN42
NN43	DD	1975	8296.92	14555.86	1218.06	V		798.81	687.85	700.52	420.00	71.5°	99.0	12.02	2.93	0.02	0.09	*	Cp, Py SHALE	NN43
NN44D1	DD	1976	8880.61	15153.56	1214.65	88°	130°	913.07	775.50	784.50	524.50	56.8°	99.5	6.63	5.95	0.02	0.10		Cp SHALE	NN44D1
								or												
NN45	DD	1976	9689.82	14945.31	1218.19	V		786.20	729.84	740.44	492.00	76.9°	98.5	10.47	3.93	0.02	0.26	*	Cp SHALE	NN45
NN46	DD	1976	9290.79	14155.84	1218.69	V		579.35	558.50	559.95		71.8°	100	1.38	3.38	0.01	0.04	*	Bn, Cp SHALE DOLOMITE	NN46

DD: DIAMOND DRILL, SH: SHOT, CH: CHURN, ASL: ABOVE SEA LEVEL (assumed local datum)

1. Existing Drill Hole Data (3)

HOLE NO.	TYPE OF HOLE	YEAR	CO-ORDINATES		COLLAR ELEVATION ASL IN METRES	INCLINATION	TRUE BEARING	TOTAL DEPTH IN METRES	MINERALIZATION		F / W ELEVATION ASL IN METRES	INTER-SECTION ANGLE	REC %	TRUE THICKNESS IN M	AVERAGE PERCENT			HORIZON / FORMATION	HOLE NO.
			-Y	-X					FROM	TO					TOTAL	Cu	Co		
NN47	DD	1977	3687.75	4948.17	1213.06	V		642.81	568.93	510.89		81.5°	100	1.93	0.38	0.01	0.01	* Cp SHALE, DOLOMITE	NN47
NN48B	DD	1977	10510.57	4952.01	1231.75	V		1057.05	810.00	815.05	421.50	64.5°	99.9	4.67	2.06	0.01	0.02	* Cp SHALE	NN48A
NN49	DD	1977				V		41.65	ABANDONED										NN49
NN49A	DD	1977				V		29.84	ABANDONED										NN49A
NN49B	DD	1977	9778.43	5745.89	1219.44	V		894.79	NO ORE INTERSECTED										NN49B
NN50	DD	1977	8470.59	5729.97	1206.57	V		853.03	828.70	829.46	456.50	70.0°	98.7	0.71	0.61	0.01	0.01	* Bn SHALE, DOLOMITE	NN50
NN51	DD	1977	10075.90	5756.97	1227.26	V		1062.14	1018.40	1034.34	243.00	61.1°	98.8	14.21	2.68	0.01	0.06	* Cp SHALE	NN51
NN52	DD	1977	10869.71	5766.96	1243.21	V		1184.45	1012.09	1022.06	260.20	70.0°	100	0.86	1.32	0.01	0.02	* Py SHALE	NN52
NN53D1	DD	1977	10074.98	5758.24	1232.95	V		953.83	934.36	934.63	329.00	69.0°	99.1	4.92	2.15	0.01	0.05	* Cp, Po, Py SHALE	NN53D1
NN54	DD	1978	9782.77	5346.44	1220.06	V		928.8	NO ORE INTERSECTED										NN54
NN55	DD	1978	9629.24	4560.99	1219.61	V		685.23	581.00	586.42	644.50	79°	100	5.32	1.74	0.02	0.04	* Cp, Po SHALE	NN55
NN55A			9636.54	4555.22	1219.61	V		686.5	583.00	586.08		79°	100	3.02	2.04	0.02	0.04		NN55
NN56	DD	1978	6653.10	3328.16	1205.64	54°	094°	764.04	NO ORE INTERSECTED										NN56
NN57	DD	1979	6413.99	2424.62	1221.74	53°	089°	459.55	NO ORE INTERSECTED										NN57
NN58	DD	1979	10090.78	6148.44	1235.94	V		1239.90	1128.00	1162.40	230.00	42.0°	96.7	22.92	2.21		0.09	* Cp SHALE	NN58
NN59	DD	1980	3348.09	15336.91	1203.00	V		729.63	668.50	679.25		53.0°	107	2.74	1.69		0.07	F / W	NN59
NN60	DD	1981	10396.68	6569.67	1239.14	V		1194.90	1111.40	1114.60	201.00	52.0°	98	0.39	1.30		0.03	* Cp, Bn SHALE	NN60
NN61	DD	1981	9135.46	16533.50	1218.81	V		1017.27	990.68	995.59	254.30	79.4°	100	1.83	0.03		0.02	* Cp SHALE, DOLOMITE	NN61
NN62D1	DD	1981	12911.06	19267.02	1259.19	78°	351°27.3	439.36	423.60	427.60	845.00	47.8°	100	3.68	1.92		0.01	Cp, FOOTWALL	NN62D1
NN63	DD	1981	9599.97	15339.76	1216.78	V		967.12	899.50	918.00	338.40	79.1°	97	3.92	0.95		0.01	* SHALE	NN63
NN64	DD	1981	13732.83	4594.34	1216.01	V		803.77	NO ORE INTERSECTED										NN64
NN65	DD	1981	10906.18	9292.07	1245.04	77.2°	025°12'	698.24	NO ORE INTERSECTED										NN65
NN66	DD	1981	11708.25	4124.09	1209.61	V		780.69	NO ORE INTERSECTED										NN66
NN67	DD	1981	10710.13	1724.30	1218.66	V		811.93	784.52	802.43	439.29	61.0°	97.6	15.71	0.98		0.01	F / W QUARTZITE	NN67
NN68	DD	1982	12504.41	1748.13	1224.25	V		1002.33	NO ORE INTERSECTED										NN68
NN69	DD	1981	11609.15	17804.58	1227.83	89.4°	099.4°	1002.33	NO ORE INTERSECTED										NN69
NN70	DD	1982	10732.08	7600.61	1225.33	V		944.25	NO ORE INTERSECTED										NN70
NN71	DD	1982	11294.89	6555.76	1250.55	89.17°	061°23'	936.88	NO ORE INTERSECTED										NN71
NN72	DD	1982	12663.65	12706.38	1198.55	V		1274.91	NO ORE INTERSECTED										NN72
NN73	DD	1982	13762.54	8529.94	1254.10	89.5°	135°	758.64	NO ORE INTERSECTED										NN73
NN74	DD	1982	7720.43	15393.71	1201.20	V		859.00	783.40	783.90	423.73	47.0°	100	0.37	1.08		0.01	Bn SHALE	NN74
NN75	DD	1982	12354.58	16801.52	1243.63	V		1033.78	960.16	971.57	306.23	70.0°	100	10.72	2.11		0.09	Cp SHALE	NN75
								or	963.16	971.57	306.23	69.7°	100	7.87	2.09		0.11		
								or	971.57	982.24	297.36	70.0°	100	10.03	0.64		0.01	F / W GRITTY QUARTZITE	

DD: DIAMOND DRILL, SH: SHOT, CH: CHURN, ASL: ABOVE SEA LEVEL (assumed local datum)

2. Summary of the Drilling Operation(1)

MJZC-1

Operation	Survey Period		Work Day	Off Day	Total Man Day	
	Period	Day			Engineer	Worker
Preparation	06.11.1994~08.11.1994	2.50	2.50	0.00	9.00	24.00
Drilling	08.11.1994~30.11.1994	22.50	Drilling 17.50 Recovering 1.00	4.00	61.00	181.00
Dismantling	01.12.1994~06.12.1994	6.00	5.00	1.00	17.00	38.00
Total	06.11.1994~06.12.1994	31.00	26.00	5.00	92.00	253.00
Drilling Length	800.00		Core Recovery of 100m Hole			
Length Planned	-149.15	602.32	Depth of Hole	Core Recovery (%)	Core Recovery Cumulated (%)	
Increase in Length	650.85	97.61	(m)			
Length Drilled (N/C Drilling)	33.78	97.61	0.00~100.00	88.31	88.31	
(Core Drilling)	617.07		100.00~200.00	96.25	93.09	
Working Hours			200.00~300.00	97.33	94.68	
Drilling	241.00	51.72	300.00~400.00	99.72	96.06	
Other Working	187.00	40.13	400.00~500.00	99.69	96.84	
Recovering	38.00	8.15	500.00~600.00	100.00	97.40	
Subtotal	466.00	100.00	600.00~700.00	100.00	97.61	
Reassembly	24.00	3.39	Efficiency of Drilling			
Dismantlement	20.00	2.82	Total Length /	m	day	m/day
Water Supply	168.70	23.80	Drilling Period	650.85	22.50	28.93
Road Construction	6.70	0.85	Total Length /	m	shift	m/shift
Transportation	24.00	3.39	Total Drilling	650.85	35.00	18.60
Grand Total	708.70	100.00	Shifts			
Casing Pipe Inserted			Drilling Length / Each Bit (m)			
Size	Meterage /	Recovery (%)	Bit Size	Drilled Length	Core Length	
mm	x100	(%)	mm	mm	N/C	
mm	0.00	0.00	117mm	33.78	N/C	
HW	0.00	100.00	mm	0.00	N/C	
NW	33.78	5.19	HP	0.00	0.00	
BX	0.00	0.00	NW	617.07	602.32	
			BO	0.00	0.00	

MJZC-2

Operation	Survey Period			Off Day	Total Man Day	
	Period	Days	Work Day			
Preparation	27.12.1993~27.12.1993		0.5			
Drilling	27.12.1993~29.12.1993	4.5	4.0	0	10	
Dismantling	22.01.1994~30.02.1994	24	21	3	60	
Total	11.02.1994~12.02.1994	2	2	0	8	
	27.12.1993~12.02.1994	30.5	27.5	3	78	
Drilling Length	810.00		Core recovery of 100m hole			
Length Planned		12.00	Depth of hole	Core recovery (%)	Core recovery cumulated (%)	
Increase or Decrease in Length		652.02	(m)			
Length drilled	810.00		0.00~100.00	N/C		
Working hours			100.00~200.00	96.2	96.2	
Drilling	198'00"	39.2	200.00~300.00	98.6	98.3	
Other working	238'00"	47.1	300.00~400.00	98.2	98.3	
Recovering	59'00"	13.7	400.00~500.00	99.9	98.7	
Total	505'00"	100.0	500.00~600.00	100.0	99.0	
Reassembly	106'00"	26.1	600.00~700.00	99.9	99.2	
Dismantlement	52'00"	31.4	700.00~800.00	99.5	99.2	
Water	505'00"	13.7	800.00~900.00	100.0	99.2	
Road construction and transportation	42'00"	5.5	Efficiency of Drilling			
Total	505'00"	100.0	Total w/work period(m/day)	810.00	m/24 days	
Recovery	505'00"	100.0	Total w/work	810.00m/37 shift	(21.89 m/shift)	
Grand Total	708.70	100.0	Drilling length/bit (each sized bit)			
Casing Pipe Inserted			Bit size	200mm	150mm	
Size	Meterage /	Recovery (%)	Drilled	35.00m	652.00m	
mm	x100	(%)	Length	0.00m	652.02m	
mm	0.00	0.00	Core	0.00m	652.02m	
HW	0.00	100.00	Length	0.00m	652.02m	
NW	33.78	5.19				
BX	0.00	0.00				

2. Summary of the Drilling Operation (2)

KJZC-3

Operation	Survey Period				Total man day	
	Period	Days	Work day days	Off day days	Engineer man	Worker man
Preparation	24.11.1993-05.12.1993	12	9	3	10	48
Drilling	16.12.1993-17.01.1994	43	29	5	93	242
Disassembling	18.01.1994-19.01.1994	2	2	0	19	60
Total	24.11.1993-19.01.1994	57	47	10	126	358
Drilling length	805.00 m	Overburden	12.00 m	Core recovery of 100 m hole		
Length planned		Core length	679.62 m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length		Core recovery	96.6%	0.00 ~ 100.00	N/C	N/C
Length drilled	805.24 m	Core recovery	679.62 / 703.84	100.00 ~ 200.00	93.4	93.4
Working hours		Core recovery	96.6%	200.00 ~ 300.00	98.6	96.0
Drilling	454'00"	Core recovery	95.2%	300.00 ~ 400.00	99.7	97.3
Other working	193'00"	Core recovery	95.3%	400.00 ~ 500.00	82.4	95.3
Recovering	90'00"	Core recovery	95.3%	500.00 ~ 600.00	95.2	95.3
Total	737'00"	Core recovery	95.3%	600.00 ~ 700.00	99.7	96.0
Reassembly	40'00"	Core recovery	96.5%	700.00 ~ 800.00	99.6	96.5
Disassembly	48'00"	Core recovery	96.5%	800.00 ~ 900.00	100.0	96.6
Water transportation	178'00"	Core recovery	96.5%	Efficiency of Drilling		
Road construction and transportation	177'00"	Core recovery	96.5%	Total m/work period(m/day)	805.84 m / 43 days (18.74 m/day)	
G.Total	1180	Core recovery	96.5%	Total m/drilling work shift(m/shift)	805.84m / 68 shift (11.85 m/shift)	
Casing pipe inserted		Core recovery	96.5%	Drilling length/bit (each sized bit)		
Size		Core recovery	96.5%	Bit size	155mm 150mm 130mm N9	N9
165mm	4.00	Core recovery	96.5%	Drilled length	4.00 86.00 12.00 432.00	271.84
117	84.00	Core recovery	96.5%	Core length	N/C	N/C
N7	102.00	Core recovery	96.5%	Core length	N/C	N/C
NX	534.00	Core recovery	96.5%	Recovery		

KJZC-4

Operation	Survey Period				Total man day	
	Period	Days	Work day days	Off day days	Engineer man	Worker man
Preparation	23.11.1993-04.12.1993	12	9	3	19	45
Drilling	05.12.1993-10.02.1994	68	51	12	157	407
Disassembling	11.02.1994-15.02.1994	5	5	0	15	40
Total	23.11.1993-15.02.1994	85	70	15	206	532
Drilling length	1051.00 m	Overburden	12.00 m	Core recovery of 100 m hole		
Length planned		Core length	945.37 m	Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
Increase or decrease in length		Core recovery	97.8%	0.00 ~ 100.00	93.7	93.7
Length drilled	1051.00 m	Core recovery	945.37 / 997.00	100.00 ~ 200.00	91.8	92.2
Working hours		Core recovery	97.8%	200.00 ~ 300.00	97.1	94.5
Drilling	562'00"	Core recovery	97.8%	300.00 ~ 400.00	95.8	95.8
Other working	270'00"	Core recovery	97.8%	400.00 ~ 500.00	99.5	96.7
Recovering	416'00"	Core recovery	97.8%	500.00 ~ 600.00	98.6	97.1
Total	1248'00"	Core recovery	97.8%	600.00 ~ 700.00	95.4	96.8
Reassembly	40'00"	Core recovery	97.2%	700.00 ~ 800.00	99.7	97.2
Disassembly	35'00"	Core recovery	97.2%	800.00 ~ 900.00	98.9	97.4
Water transportation	304'00"	Core recovery	97.2%	900.00 ~ 1000.00	99.4	97.6
Road construction and transportation	137'00"	Core recovery	97.2%	1000.00 ~ 1100.00	99.8	97.8
G.Total	1765'00"	Core recovery	97.2%	Total m/work period(m/day)	1051.00 m / 68days (15.46 m/day)	
Casing pipe inserted		Core recovery	97.2%	Total m/drilling work shift(m/shift)	1051.00 m / 98 shift (10.72 m/shift)	
Size		Core recovery	97.2%	Drilling length/bit (each sized bit)		
165mm	7.00	Core recovery	97.2%	Bit size	165mm 150mm 130mm N9	N9
117	72.00	Core recovery	97.2%	Drilled length	7.00 65.00 12.00 420.00	546.96
N7	84.00	Core recovery	97.2%	Core length	N/C	N/C
NX	504.00	Core recovery	97.2%	Recovery		

2. Summary of the Drilling Operation(3)

MJZC-5

Operation	Survey Period			Total Man Day		
	Period	Day	Work Day	Off Day	Engineer	Worker
	Preparation	05.08.1994-08.08.1994	3.50	3.50	0.00	6.00
Drilling	08.08.1994-11.12.1994	125.50	Drilling 102.50 Recovering 7.00	16.00	336.00	706.00
Dismantling	12.12.1994-15.12.1994	4.00	4.00	0.00	34.00	62.00
Total	05.08.1994-15.12.1994	133.00	117.00	16.00	391.00	839.00
Drilling Length	m	Core Recovery of 100m Hole				
Length Planned	1100.00	Overburden	894.79			
Increase/Decrease in Length	0.75	Core Length	97.67			
Length Drilled (N/C Drilling)	1100.15	Core	97.67			
(Core Drilling)	184.00	Recovery	97.67			
Working Hours	h	%	%			
Drilling	543.50	31.02	24.52	300.00-400.00	94.95	95.82
Other Working	487.00	27.80	21.97	400.00-500.00	93.67	95.14
Recovering	721.50	41.18	32.54	500.00-600.00	100.00	96.31
Subtotal	1752.00	100.00	79.03	600.00-700.00	95.67	93.18
Reassembly	13.00	0.59	0.59	700.00-800.00	99.81	96.77
Dismantlement	12.00	0.54	0.54	800.00-900.00	99.73	97.19
Water Supply	343.00	15.47	15.47	900.00-1000.00	99.24	97.44
Road Construction	24.00	1.08	1.08	1000.00-1100.00	99.55	97.67
Transportation	73.00	3.29	3.29			
Grand Total	2217.00	100.00	100.00			
Efficiency of Drilling						
Total Length /	m	Drilling Period	m	day	m/day	
1100.15		1100.15		125.50	8.77	
Total Length /	m	Total Drilling	m	shift	m/shift	
1100.15		1100.15		132.00	8.33	
Casing Pipe Inserted						
Size	Metrage / Drilling Length x100	Recovery				
mm	(%)	(%)				
0.00	0.00	0.00				
165mm	44.00	4.00				
NW	0.00	0.00				
NW	183.00	16.63				
BX	0.00	0.00				
Drilling Length / Each Bit (m)	Core Length	N/C				
Bit Size	Drilled Length	N/C				
212mm	37.00	N/C				
mm	147.00	N/C				
114mm	0.00	N/C				
NO	916.15	894.79				
NO	0.00	0.00				
80	0.00	0.00				

MJZC-6

Operation	Survey Period			Total Man Day		
	Period	Day	Work Day	Off Day	Engineer	Worker
	Preparation	11.08.1994-12.08.1994	2.00	2.00	0.00	2.00
Drilling	13.08.1994-06.11.1994	85.00	Drilling 65.50 Recovering 4.50	15.00	219.00	458.00
Dismantling	07.11.1994-10.11.1994	4.00	4.00	0.00	9.00	32.00
Total	11.08.1994-10.11.1994	91.00	76.00	15.00	242.00	518.00
Drilling Length	m	Core Recovery of 100m Hole				
Length Planned	1100.00	Overburden	813.75			
Increase/Decrease in Length	-65.04	Core Length	98.63			
Length Drilled (N/C Drilling)	1014.96	Core	98.63			
(Core Drilling)	189.88	Recovery	98.63			
Working Hours	h	%	%			
Drilling	395.50	34.21	25.30	200.00-300.00	98.25	97.73
Other Working	513.00	44.38	32.82	300.00-400.00	99.03	98.11
Recovering	247.50	21.41	15.83	500.00-600.00	100.00	98.57
Subtotal	1156.00	100.00	73.95	600.00-700.00	96.38	98.14
Reassembly	14.00	0.90	0.90	700.00-800.00	100.00	98.44
Dismantlement	39.00	2.43	2.43	800.00-900.00	98.94	98.51
Water Supply	325.00	20.79	20.79	900.00-1000.00	99.33	98.62
Road Construction	24.00	1.54	1.54	1000.00-1100.00	99.33	98.62
Transportation	6.00	0.38	0.38			
Grand Total	1563.00	100.00	100.00			
Efficiency of Drilling						
Total Length /	m	Drilling Period	m	day	m/day	
1014.96		1014.96		85.00	11.94	
Total Length /	m	Total Drilling	m	shift	m/shift	
1014.96		1014.96		87.70	11.57	
Casing Pipe Inserted						
Size	Metrage / Drilling Length x100	Recovery				
mm	(%)	(%)				
0.00	0.00	0.00				
165mm	4.04	0.00				
NW	0.00	0.00				
NW	189.88	74.72				
BX	0.00	0.00				
Drilling Length / Each Bit (m)	Core Length	N/C				
Bit Size	Drilled Length	N/C				
200mm	41.00	N/C				
165mm	0.00	N/C				
150mm	148.88	N/C				
NO	825.08	813.75				
NO	0.00	0.00				
80	0.00	0.00				

2. Summary of the Drilling Operation(4)

MJZC-8

Operation	Survey Period				Total Man Day	
	Period	Day	Work Day	Off Day	Engineer	Worker
	m	m	m	m	day	m/day
Preparation	18.11.1994-20.11.1994	3.00	3.00	0.00	10.00	23.00
Drilling	13.11.1994-13.12.1994	26.00	26.00	25.00	80.00	189.00
Dismantling	15.11.1994-17.11.1994	6.00	6.00	0.00	0.00	0.00
Total	13.11.1994-16.12.1994	35.00	35.00	33.00	107.00	250.00
Drilling Length	600.00	Overburden	Core Length	394.99	Core Recovery	Cumulated (%)
Length Planned	-109.74	Core Length	490.26	Core Recovery	93.77	96.46
Increase/Decrease in Length	490.26	Core	61.00	Recovery	97.51	96.33
Length Drilled (N/C Drilling)	629.26	Recovery	49.72	Recovery	96.16	99.53
(Core Drilling)	629.26	Recovery	45.84	Recovery	96.12	92.02
Working Hours	h	%	h	%		
Drilling	269.00	49.72	32.99	32.99		
Other Working	248.00	45.84	30.41	30.41		
Recovering	24.00	4.44	2.94	2.94		
Subtotal	541.00	100.00	66.34	66.34		
Reassemblage	13.00	1.59	1.59	1.59		
Dismantlement	15.00	1.84	1.84	1.84		
Water Supply	203.50	24.95	24.95	24.95		
Road Construction	6.00	0.74	0.74	0.74		
Transportation	37.00	4.54	4.54	4.54		
Grand Total	815.50	100.00	815.50	815.50		
Casing Pipe Inserted		Efficiency of Drilling				
Size	Meterage / Drilling Length x100	Total Length / m	Drilling Period / m	Total Length / m	day	m/day
200mm	0.00	985.00	985.00	985.00	92.00	10.71
165mm	49.00	985.00	985.00	985.00	117.67	8.37
HW	54.00	985.00	985.00	985.00		
HW	144.00	985.00	985.00	985.00		
BX	0.00	985.00	985.00	985.00		
Grand Total	2156.00	2.69	2.69	2.69		
Drilling Length	1100.00	Overburden	Core Length	828.75	Core Recovery	Cumulated (%)
Length Planned	-115.00	Core Length	985.00	Core Recovery	97.11	0.00
Increase/Decrease in Length	985.00	Core	131.60	Recovery	97.11	0.00
Length Drilled (N/C Drilling)	853.40	Recovery	545.00	Recovery	84.49	88.94
(Core Drilling)	853.40	Recovery	602.50	Recovery	91.98	88.94
Working Hours	h	%	h	%		
Drilling	545.00	38.19	25.28	25.28		
Other Working	602.50	40.01	27.95	27.95		
Recovering	358.50	23.80	16.63	16.63		
Subtotal	1506.00	100.00	69.85	69.85		
Reassemblage	20.00	0.93	0.93	0.93		
Dismantlement	26.00	1.21	1.21	1.21		
Water Supply	522.00	24.21	24.21	24.21		
Road Construction	24.00	1.11	1.11	1.11		
Transportation	58.00	2.69	2.69	2.69		
Grand Total	2156.00	100.00	2156.00	2156.00		
Casing Pipe Inserted		Efficiency of Drilling				
Size	Meterage / Drilling Length x100	Total Length / m	Drilling Period / m	Total Length / m	day	m/day
200mm	0.00	985.00	985.00	985.00	92.00	10.71
165mm	49.00	985.00	985.00	985.00	117.67	8.37
HW	54.00	985.00	985.00	985.00		
HW	144.00	985.00	985.00	985.00		
BX	0.00	985.00	985.00	985.00		
Grand Total	2156.00	2.69	2.69	2.69		

MJZC-7

Operation	Survey Period				Total Man Day	
	Period	Day	Work Day	Off Day	Engineer	Worker
	m	m	m	m	day	m/day
Preparation	16.08.1994-17.08.1994	2.00	2.00	0.00	2.00	16.00
Drilling	18.08.1994-17.11.1994	92.00	75.00	17.00	251.00	638.00
Dismantling	18.11.1994-21.11.1994	4.00	4.00	0.00	0.00	0.00
Total	16.08.1994-21.11.1994	98.00	81.00	17.00	267.00	693.00
Drilling Length	1100.00	Overburden	Core Length	828.75	Core Recovery	Cumulated (%)
Length Planned	-115.00	Core Length	985.00	Core Recovery	97.11	0.00
Increase/Decrease in Length	985.00	Core	131.60	Recovery	97.11	0.00
Length Drilled (N/C Drilling)	853.40	Recovery	545.00	Recovery	84.49	88.94
(Core Drilling)	853.40	Recovery	602.50	Recovery	91.98	88.94
Working Hours	h	%	h	%		
Drilling	545.00	38.19	25.28	25.28		
Other Working	602.50	40.01	27.95	27.95		
Recovering	358.50	23.80	16.63	16.63		
Subtotal	1506.00	100.00	69.85	69.85		
Reassemblage	20.00	0.93	0.93	0.93		
Dismantlement	26.00	1.21	1.21	1.21		
Water Supply	522.00	24.21	24.21	24.21		
Road Construction	24.00	1.11	1.11	1.11		
Transportation	58.00	2.69	2.69	2.69		
Grand Total	2156.00	100.00	2156.00	2156.00		
Casing Pipe Inserted		Efficiency of Drilling				
Size	Meterage / Drilling Length x100	Total Length / m	Drilling Period / m	Total Length / m	day	m/day
200mm	0.00	985.00	985.00	985.00	92.00	10.71
165mm	49.00	985.00	985.00	985.00	117.67	8.37
HW	54.00	985.00	985.00	985.00		
HW	144.00	985.00	985.00	985.00		
BX	0.00	985.00	985.00	985.00		
Grand Total	2156.00	2.69	2.69	2.69		

2. Summary of the Drilling Operation (6)

MJZC-12

Operation	Period	Supply Period	Work Day	Off Day	Total Man Day	
					Endline	Shorter
Preparation	13.07.1995-18.07.1995					
	21.07.1995-25.07.1995					
	17.08.1995-23.08.1995					
Drilling	23.07.1995-27.07.1995	Drilling	6	6	6	47
	18.07.1995-22.07.1995	Recovery	4	4	4	31
	20.07.1995-24.07.1995					159
	24.07.1995-28.07.1995					35
	18.08.1995-22.08.1995					43
Discontinuing	08.10.1995-10.10.1995		5	5	5	56
Total			29	29	29	742
Drilling Length	1100.00	Overburden	594.05			
Length Planned	-317.71	Core Length				
Increase/Decrease in Length	782.29	Core Recovery				
(N/C Drilling)	190.00	Depth of Hole	0.00-100.00			
(Core Drilling)	607.29	Recovery	100.00-200.00			
Working Hours	340.00		200.00-300.00			
Drilling	313.00		300.00-400.00			
Other Working	9.00		400.00-500.00			
Recovery	9.00		500.00-600.00			
Subtotal	721.00		600.00-700.00			
Reamerspace	24.00		700.00-800.00			
Discontinuing	18.00		800.00-900.00			
Water Supply	11.00					
Road Construction	12.00					
Transmission	47.00					
Grand Total	928.00					
Center Pipe Inserted	1100.00					
Size	Metreage	Drilling Length	Recovery	Drilling Length / Total Drilling	Recovery / Total Drilling	Core Length
21mm	34.00	3100	0.00	0.00	0.00	43.00
17mm	48.00	4.35	0.00	0.00	0.00	28.00
11mm	180.00	6.14	0.00	0.00	0.00	106.00
8mm	180.00	23.01	76.60	76.60	76.60	602.28
6mm	0.00	0.00	0.00	0.00	0.00	0.00
						0.00
						0.00

MJZC-11

Operation	Period	Supply Period	Work Day	Off Day	Total Man Day	
					Endline	Shorter
Preparation	23.07.1995-24.07.1995					
	28.07.1995					
	29.07.1995-06.08.1995					
	07.08.1995-08.08.1995					
Drilling	15.08.1995	14.5	5.5	0.0	35	78
	23.07.1995-27.07.1995					
	09.08.1995-12.08.1995					
	15.09.1995-25.09.1995					
	14.08.1995					
	26.09.1995-04.10.1995					
Total			10.0	1.0	30	82
Drilling Length	1100.00	Overburden	80.0	14.0	243	592
Length Planned	-247.13	Core Length				
Increase/Decrease in Length	852.87	Core Recovery				
(N/C Drilling)	128.00	Depth of Hole	0.00-100.00			
(Core Drilling)	728.87	Recovery	100.00-200.00			
Working Hours	491.00		200.00-300.00			
Drilling	414.00		300.00-400.00			
Other Working	9.00		400.00-500.00			
Recovery	9.00		500.00-600.00			
Subtotal	995.00		600.00-700.00			
Reamerspace	48.00		700.00-800.00			
Discontinuing	30.00		800.00-900.00			
Water Supply	187.50					
Road Construction	0.00					
Transmission	44.00					
Grand Total	1305.50					
Center Pipe Inserted	1100.00					
Size	Metreage	Drilling Length	Recovery	Drilling Length / Total Drilling	Recovery / Total Drilling	Core Length
21mm	33.00	2.87	0.00	0.00	0.00	38.00
16mm	95.00	11.14	0.00	0.00	0.00	59.00
11mm	95.00	37.9	37.9	37.9	37.9	31.00
8mm	174.00	20.40	65.5	65.5	65.5	44.39
6mm	0.00	0.00	0.00	0.00	0.00	678.67
						0.00
						0.00

3. Results of Microscopic Observation of Thin Sections

Sample No.	Locality Depth(m)	Formation	Rock Name	Phenocryst/ Crystal Fragment																	Texture	
				Qz	Kf	Pl	Ca	Do	Bi	Mc	Bt	Sr	Ti	Ti	Ap	Sc	Cz	Ab	Cl	Zc		Cs
S301	WZC-3, 171.00	W	Phyllite	⊙						⊙			Δ	Δ	Δ						Δ	clastic to schistose
S302	WZC-3, 184.00	UW	Arg-Dolomite	○	⊙			⊙	○					Δ							○	euhedral granular
S304	WZC-3, 232.00	GB	Gabbro(?)			⊙	○	⊙		○	Δ	Δ	Δ		Δ						○	euhedral granular
S305	WZC-3, 265.00	UW	Argillite	⊙		○	○	○	⊙				Δ	Δ							Δ	equigranular
S306	WZC-3, 414.00	UW	Dolomite	○				⊙	Δ												Δ	equigranular
S307	WZC-3, 544.00	UW	Argillite	⊙		○	○	⊙	○												○	
S308	WZC-3, 558.30	UCD	Dolomite	○				⊙	○							○	Δ				Δ	equigranular
S309	WZC-3, 590.00	LUQ	Metasandstone	⊙	⊙	○	○		○	Δ			Δ								Δ	clastic to granular
S310	WZC-3, 625.00	LMQ	Metasandstone	⊙	⊙	○	○		○	Δ			Δ								Δ	clastic to granular
S311	WZC-3, 636.20	LOS	Argillite	⊙		○	○		○	○			Δ	Δ							○	metamorphosed siltstone
S312	WZC-3, 642.00	LOS	Argillite	⊙		○	○		○	⊙			Δ	Δ							○	metamorphosed siltstone
S313	WZC-3, 702.00	LIC	Argillite	⊙		○	○		⊙				Δ	Δ						Δ	Δ	
S402	WZC-4, 178.00	W	Green Sphn(?)	○				⊙		⊙					○						Δ	
S406	WZC-4, 390.00	GB	Metamor-rock	○				⊙					Δ	Δ	⊙						Δ	

Sample No.	Locality Depth (m)	Formation	Rock Name	Phenocryst/ Crystal Fragment																	Texture
				Qz	Kf	Pl	Ca	Do	Bi	Mc	Bt	Sr	Ti	To	Ap	Ep	Ch	Zr	Op	Tc	
T-101	WZC-1, 633.20	BSS	Granite	⊙	○	○	Δ						Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	granular
T-102	WZC-1, 645.20	GB	Amphibolite						⊙	⊙			Δ	Δ	○						granular to poikilitic
T-103	WZC-1, 648.70	BSS	Granite	⊙	○	⊙				○				○	○	○	○	○	○	○	granular
T-501	WZC-5, 716.00	LIL	Magnesite-talc-rock						⊙	Δ	○			○	Δ	Δ	⊙				equigranular
T-502	WZC-5, 879.00	UW	Argillaceous Quartzite	⊙	○	○	○		○	Δ											clastic
T-601	WZC-6, 764.80	LIL	Dolomite	○				○													equigranular
T-602	WZC-6, 828.80	LIL	Metasandstone	⊙	○	○	Δ		○	○											clastic to granular
T-603	WZC-6, 1010.70	BSS	Granite	⊙	Δ	○	Δ		○	○				Δ	Δ	Δ	Δ	Δ	Δ	Δ	granular
T-701	WZC-7, 909.50	LM1	Metasandstone	⊙	○	○	Δ		○	Δ					Δ	Δ	Δ	Δ	Δ	Δ	clastic to granular
T-702	WZC-7, 964.00	LFC	Argillite	○		Δ	Δ		⊙						Δ	Δ	Δ	Δ	Δ	Δ	

Sample No.	Locality Depth(m)	Formation	Rock Name	Phenocryst/ Crystal Fragment																	Texture
				Qz	Kf	Pl	Ca	Arh	Bi	Mc	Rut	To	Ti	Ap	Ep	Ch	Zr	Op	All	others	
T901	WZC-9, 1132.50	LFO	anh rock	Δ	○	Δ		⊙	○								Δ	Δ			granular
T902	WZC-9, 1144.00	LFO	meta-ss	⊙			○	⊙	⊙	Δ											granular
T1001	WZC-10, 1007.30	LFO	Bi schist	⊙				○	⊙	○			Δ				Δ				schistose
T1101	WZC-11, 827.80	BSS	metagranite	⊙	⊙	⊙			Δ	○											granular
T1102	WZC-11, 852.80	BSS	metagranite	⊙	⊙	⊙	Δ		○	○										Δ	granular
T1201	WZC-12, 701.20	LIC	meta-ss	⊙	⊙	○			⊙	○											granular
T1202	WZC-12, 723.50	LIC	Bi-Ch rock	Δ	○				○	⊙							⊙			Δ	schistose
T1203	WZC-12, 732.00	LIC	mica schist	⊙					○	⊙										Δ	schistose
T1204	WZC-12, 750.00	LOG	meta-ss	⊙		⊙			○	○											granular
T1205	WZC-12, 782.00	BSS	metagranite	⊙	⊙	⊙	Δ			⊙											granular

Abbreviations

Abundance of minerals: ⊙: abundant, ○: common, Δ: a few, ·: trace

Rock : ss:Sandstone, Cal:Calcareous, Arg:Argillaceous, Metamor:Metamorphosed

Mineral : Qz:Quartz, Kf:Alkali feldspar, Pl:Plagioclase, Ca:Carbonate, Arh:Anhydrite, Bi:Biomite, Mc:Muscovite, Rut:Rutile, To/Ti:Tourmaline, Ti:Titanite, Ap:Apatite, Ep:Epidote, Ch/Cl:Chlorite, Zr:Zircon, Op:Opaque minerals, All:Allanite, Ba:Barite, Do:Dolomite, Mg:Magnesite, Tc:Talc, Cs:Celestine

4. Results of Microscopic Observation of Polished Sections

No.	Locality Depth(m)	Forma- tion	Description	Cp	Ga	Bi	Ln	Co	Py	Xn	Mz	Zr	Th	Br	Sd	Re
P301	MZC-3. 124.00	MW	Py with boudinage	○					⊙	•	•					○
P302	MZC-3. 145.50	MW	Py-quartz vein	△					⊙							
P303	MZC-3. 181.00	UIU	Py dot in Do		•				△		•	•			△	
P304	MZC-3. 559.70	UCD	Cp bleb in Do	△					△							
P305	MZC-3. 635.50	LOS	fine Py-(bornite) diss.	•					○			•	•	•	•	•
P306	MZC-3. 636.20	LOS	laminated fine Cp	○					○							•
P307	MZC-3. 637.00	LOS	Cp inc. in Do spot	○					○							
P308	MZC-3. 648.00	LOS	Cp inc. in sil. Do concretion	○					○							
P309	MZC-3. 648.50	LOS	Cp Py pyrrhotite veinlet	○				•	△		•					
P402	MZC-4. 262.00	MW	laminated fine Py in Do						○							
P403	MZC-4. 597.50	UIU	Cp inc. in silica spot	△					○							
P404	MZC-4. 588.50	UIU	Cp-Py-mica-Do vein	○					•	•						

Abbreviations:

Abundance of minerals: ⊙; abundant, ○; common, △; small, •; trace

Cp; Chalcopyrite, Ga; Galena, Bi; Bismuthinite, Ln; Limonite, Co; Cobaltite and Cobaltian Pyrite mixture,

Py; Pyrite, Xn; Xenotime, Mz; Monazite, Zr; Zircon, Th; Thorite, Br; Barite, Sd; Siderite, Re; REE Carbonate,

Do; Dolomite, diss.; dissemination, inc.; included, sil.; siliceous

5. Results of Microscopic Observation of Polished Thin Sections(1)

Sample No.	Locality Depth (m)	Formation	Description	Ore Mineral											Gangue Mineral												
				Cp	Py	Po	Bo	Co	Gn	Bs	Sp	Ms	Sk	Qtz	Kf	Pl	Ca	Di	Bi	Mc	To	Ti	Ap	Ch	Zr	Tc	Al
P-191	WZC-1, 517.80	LOS	Cp-Po-Py diss. in dol-Arg	⊙	⊙	Δ									⊙	⊙	⊙		⊙	-	-	Δ		-			
P-192	WZC-1, 522.70	LFC	Cp diss. in Cgl	⊙	Δ			Δ							⊙	⊙	⊙		⊙		-	-	-		Δ		
P-501	WZC-5, 973.30	LOS	Cp-Po-Bo lens in dol-Arg	⊙	Δ	⊙		Δ							⊙	⊙	⊙		⊙	Δ	-	-	-				
P-502	WZC-5, 977.40	LOS	Cp-Po diss. Do bend	⊙	Δ	⊙				Δ					⊙		⊙		⊙		-	-	Δ				
P-503	WZC-5, 979.40	LOS	Cp-Po diss. in dol-sdy-Arg	⊙	Δ	⊙									⊙	Δ	⊙		⊙		-	-	Δ				
P-504	WZC-5, 982.10	LOS	Cp-Po-Bo lamination in dol-Arg	⊙	Δ	⊙									⊙	Δ	⊙		⊙		-	-	Δ				
P-505	WZC-5, 985.60	LOS	Cp-Py-Po-Bo lens in dol-Arg	⊙	Δ	⊙									⊙	Δ	⊙		⊙		-	-	Δ				
P-506	WZC-5, 987.40	LOS	Py-Py-Cp diss. in dol-Arg	⊙	Δ	⊙									⊙	Δ	⊙		⊙		-	-	Δ				
P-601	WZC-6, 875.20	LCD	Cp diss. in dol-Arg	⊙		⊙									⊙	Δ	⊙		⊙		-	-	Δ				
P-602	WZC-6, 981.10	LOS	Bo diss. in dol-Ss			Δ		-	-	-					⊙	Δ	⊙		⊙		-	-	Δ				
P-603	WZC-6, 984.20	LOS	Cp diss. in dol-Ss	⊙		Δ									⊙	⊙	⊙		⊙		-	-	Δ				
P-604	WZC-6, 985.70	LOS	Cp diss. in dol-Ss	Δ		⊙									⊙	⊙	⊙		⊙		-	-	Δ				
P-605	WZC-6, 988.10	LOS	Bo-Cp diss. in dol-Ss	Δ		Δ		-	-						⊙	⊙	⊙		⊙		-	-	Δ				
P-606	WZC-6, 993.10	LOS	Cp diss. in dol-Ss	⊙		Δ									⊙	⊙	⊙		⊙		-	-	Δ				
P-607	WZC-6, 995.00	LOS	Bo diss. in sdy-Arg			⊙									⊙	Δ	Δ		⊙	Δ		Δ					
P-608	WZC-6, 1006.20	LFQ	Cp-Bo diss. in Ss	⊙		Δ									⊙	Δ	⊙		⊙		-	-	Δ				
P-701	WZC-7, 931.70	LOS	Py-Cp diss. in sl	Δ	⊙										⊙	⊙			⊙		Δ	-	Δ				
P-702	WZC-7, 950.60	LOS	Cp diss. in Do	⊙											Δ				⊙	⊙		⊙		⊙			
P-703	WZC-7, 958.50	LOS	Cp diss. in micaceous Arg	⊙															⊙	⊙		Δ					⊙
P-704	WZC-7, 982.90	LOS	Cp diss. in Do-lens	⊙		⊙									⊙				⊙					⊙	Δ		⊙

Abbreviations

Abundance of minerals: ⊙ : abundant, ⊙ : common, Δ : a few, - : trace

Rock : Do:Dolomite, Arg:Argillite, Cgl:Conglomerate, Ss:Sandstone, Sl:Shale, diss:dissemination, Cp:Chalcopyrite, dol:dolomitic, sdy:sandy

Mineral : Py:Pyrite, Po:Pyrrhotite, Bo:Bornite, Co:Cobalt pentlandite, Gn:Galena, Bs:Native Bisuth, W:Wittichenite, Sp:Sphalerite, Ms:Molybdenite, Ms:Wessite, Qtz:Quartz, Kf:Alkali feldspar, Pl:Plagioclase, Ca:Carbonate, Bi:Biotite, Mc:Wuscovite, To:Tourmaline, Ti:Titanite, Ap:Apatite, Ch:Chlorite, Zr:Zircon, Tc:Teic, Al:Allanite, Ru:Rutile, Aa:Aphibole

Sample No.	Locality Depth (m)	Formation	Description	Ore Mineral											Gangue Mineral											
				Cp	Py	Po	Bo	Co	Gn	Bs	SP	others	Qtz	Kf	Pl	Ca	Di	Bi	Mc	Rut	To	Ti	Ap	Ep	Ch	Zr
P-901	WZC-9, 1067.80	LOS	Cp diss in dol-Arg	⊙	⊙										⊙	⊙	⊙		⊙		-	-	-		Δ	REE(-), Mon(-)
P-902	WZC-9, 1109.40	LOS	Cp rich in dol-Arg	⊙				⊙							⊙	⊙	⊙		⊙		-	-	-			
P-903	WZC-9, 1117.80	LOS	Cp patch rich in sch-Arg	⊙	Δ										⊙		⊙		⊙		-	-	Δ			Ken(-)
P-904	WZC-9, 1112.40	L/F	Cp diss in mic Ss	Δ											⊙	Δ		⊙	⊙							
P-905	WZC-9, 1114.20	L/F	Cp diss in pebbly QZ	⊙											⊙	Δ	⊙		⊙		-	-	-			
P-906	WZC-9, 1120.00	L/F	Cp diss in QZ	⊙			⊙								⊙	Δ	⊙		⊙	Δ		-	-	-		
P-1001	WZC-10, 965.80	LOS	Py diss in Arg		⊙										⊙	⊙	⊙		⊙		-	-	-			Mon(-)
P-1002	WZC-10, 974.80	LOS	Py-Po diss in bedding plane and rim of dol spot	Δ	⊙	⊙									Δ		⊙	⊙	⊙							
P-1003	WZC-10, 983.20	LOS	Cp-Po lens in Arg	⊙	⊙	Δ									⊙		⊙	⊙				-	-	-		
P-1004	WZC-10, 986.80	LOS	Cp-Py diss in Arg	⊙	⊙										⊙	Δ	Δ	⊙	⊙							
P-1005	WZC-10, 992.40	L/F	Cp diss in QZ	⊙											⊙	⊙	⊙	⊙	⊙							
P-1101	WZC-11, 842.20	LOS	Py-Po diss in dol-Arg		⊙	⊙									⊙	Δ	⊙		⊙		-	-	-			
P-1102	WZC-11, 848.00	LOS	Py-Cp spot in Arg	⊙	⊙	⊙									⊙	Δ	⊙	Δ	Δ							
P-1103	WZC-11, 851.20	LOS	Cp-Po dol lens, spot, v. in sch-Arg	⊙	⊙										⊙		Δ	Δ	⊙				Δ			
P-1104	WZC-11, 856.20	LOS	Py-Po-Py diss in dol-arg Ss	⊙	⊙	Δ									⊙	⊙		⊙	⊙							
P-1201	WZC-12, 861.50	LOS	Cp-Po dol diss in Arg	⊙	⊙	⊙									⊙	⊙	⊙	⊙	⊙							
P-1202	WZC-12, 864.00	LOS	Cp-Py-Po dol laminae/spot	⊙	⊙	Δ									⊙		⊙	⊙								Mon(-)
P-1203	WZC-12, 870.50	LOS	Cp lens in Arg	⊙	⊙	⊙									⊙		⊙	⊙					⊙			
P-1204	WZC-12, 871.20	LOS	Cp-Po-Py lens in Arg	⊙	⊙	⊙									⊙		Δ	⊙	⊙							
P-1205	WZC-12, 873.20	LOS	Bo patch/lens/rim & diss in mic Ss	⊙		⊙									⊙		⊙	Δ	⊙							

Abbreviations

Abundance of minerals: ⊙ : abundant, ⊙ : common, Δ : a few, - : trace

Rock : dol:dolomitic, Arg:Argillite, QZ:quartzite, ss:sandstone, sch:schistose, mic:micaceous, carb:carbonaceous

Mineral : Bo Bornite, Cp Chalcopyrite, Po Pyrrhotite, Py Pyrite, Gn Galena, BS Native Bisuth, SP Sphalerite, diss dissemination, Cat. Cattierite, Car. Carrollite, Pen Pentlandite, Co pen Cobalt pentlandite, Ba Barite, Th Thorite, Ura Uraninite, Qtz Quartz, Kf Alkali feldspar, Pl Plagioclase, Ca Carbonate, Ash Anhydrite, Bi Biotite, Mc Wuscovite, Rut Rutile, To Tourmaline, Ti Titanite, Ap Apatite, Ep Epidote, Ch Chlorite, Zr Zircon, Op Opaque minerals, All Allanite, Mon Monazite, Ken Xenotime, REE REE-carbonate, vit:veiolite

5. Results of Microscopic Observation of Polished Thin Sections (2)

Hole No.	MJZC-1	MJZC-5	MJZC-5	MJZC-6	MJZC-6	MJZC-9	MJZC-9	MJZC-9	MJZC-11	MJZC-12	MJZC-12
Sample No.	P102	P501	P504	P603	P608	P902	P904	P904	P1101	P1204	P1205
wt.%											
S	33.29	32.45	33.43	32.99	33.14	50.32	46.75	39.26	30.94	30.86	40.24
Fe	0.51	6.79	9.24	0.33	3.69	13.32	21.59	2.08	2.52	3.5	0.02
Cu	1.75	0.13	0.19	0.44	10.42	0.07	0	14.32	0	0	14.63
Co	63.28	52.46	51.22	65.94	50.23	35.09	26.21	44.38	63.98	64.07	44.48
Zn	0.14	0.11	nd	nd	0.55	0	0	0	0	0.14	0
As	nd	nd	nd	nd	0.31	0	4.48	0.01	0	0	0
Ni	1.24	7.17	6.49	0.45	0.92	0.4	0.04	0.13	2	1.54	0.37
Total	100.21	99.11	100.57	100.15	99.27	99.21	99.06	100.17	99.41	100.12	99.74
Atom.%											
S	47.80	47.08	47.59	47.45	48.20	65.08	62.05	54.6	45.31	44.95	55.86
Fe	0.42	5.66	7.55	0.27	3.08	9.89	16.45	1.66	2.11	2.93	0.02
Cu	1.27	0.10	0.14	0.32	7.65	0.05	0	10.05	0	0	19.25
Co	49.44	41.41	39.67	51.60	39.75	24.69	18.93	33.58	50.97	50.79	33.6
Zn	0.10	0.08	0.00	0.00	0.40	0	0	0	0	0.1	0
As	0.00	0.00	0.00	0.00	0.19	0	2.55	0	0	0	0
Ni	0.97	5.68	5.05	0.35	0.73	0.28	0.03	0.1	1.6	1.23	0.28
Mineral	Co-Pen	Co-Pen	Co-Pen	Co-Pen	Co-Pen	Cat	Cat	Carr	Co-Pen	Co-Pen	Carr

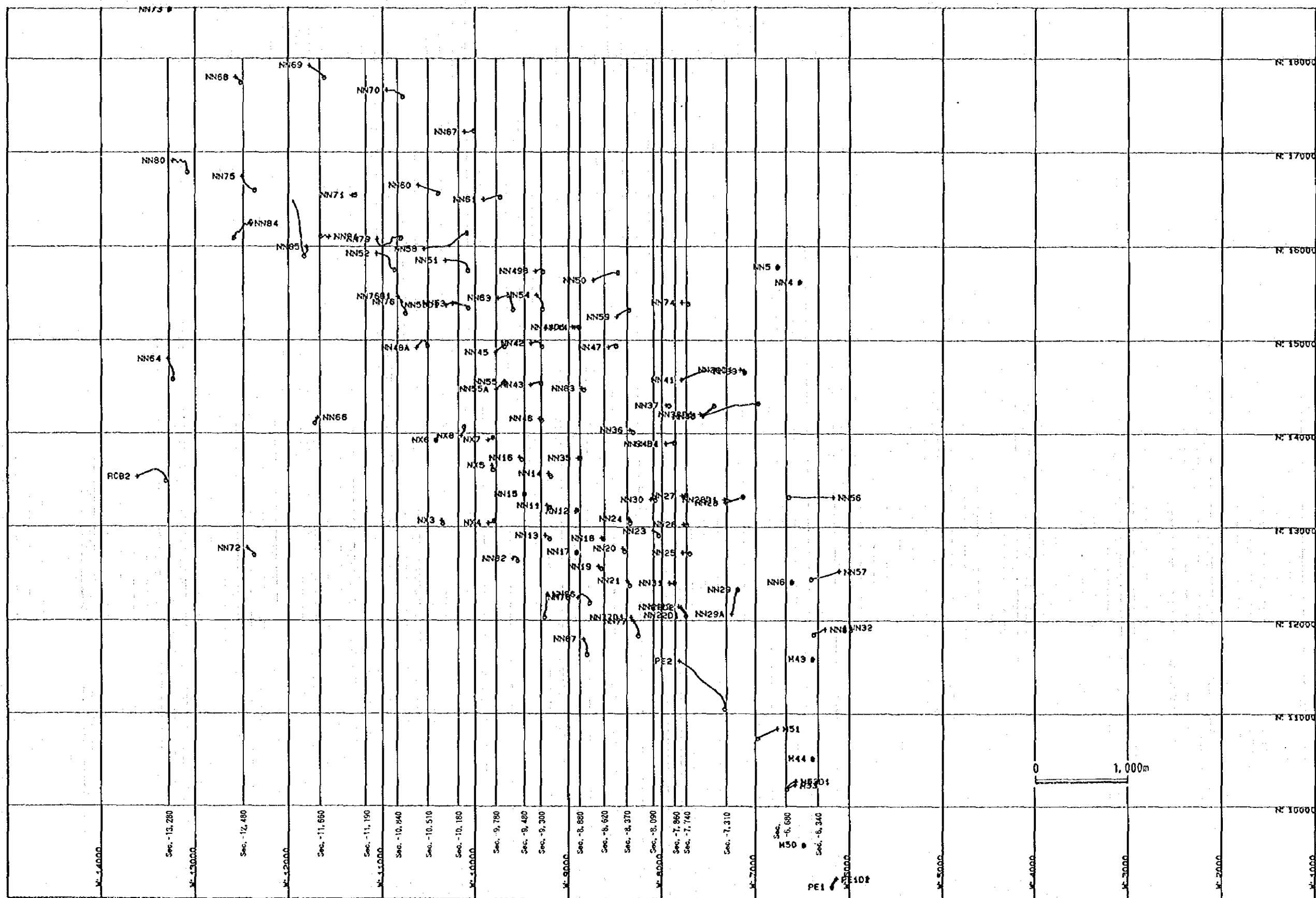
Mineral; Co-Pen: Cobalt Pentlandite Cat: Catterite Carr: Carrollite

6. Results of X-ray Diffraction Analysis

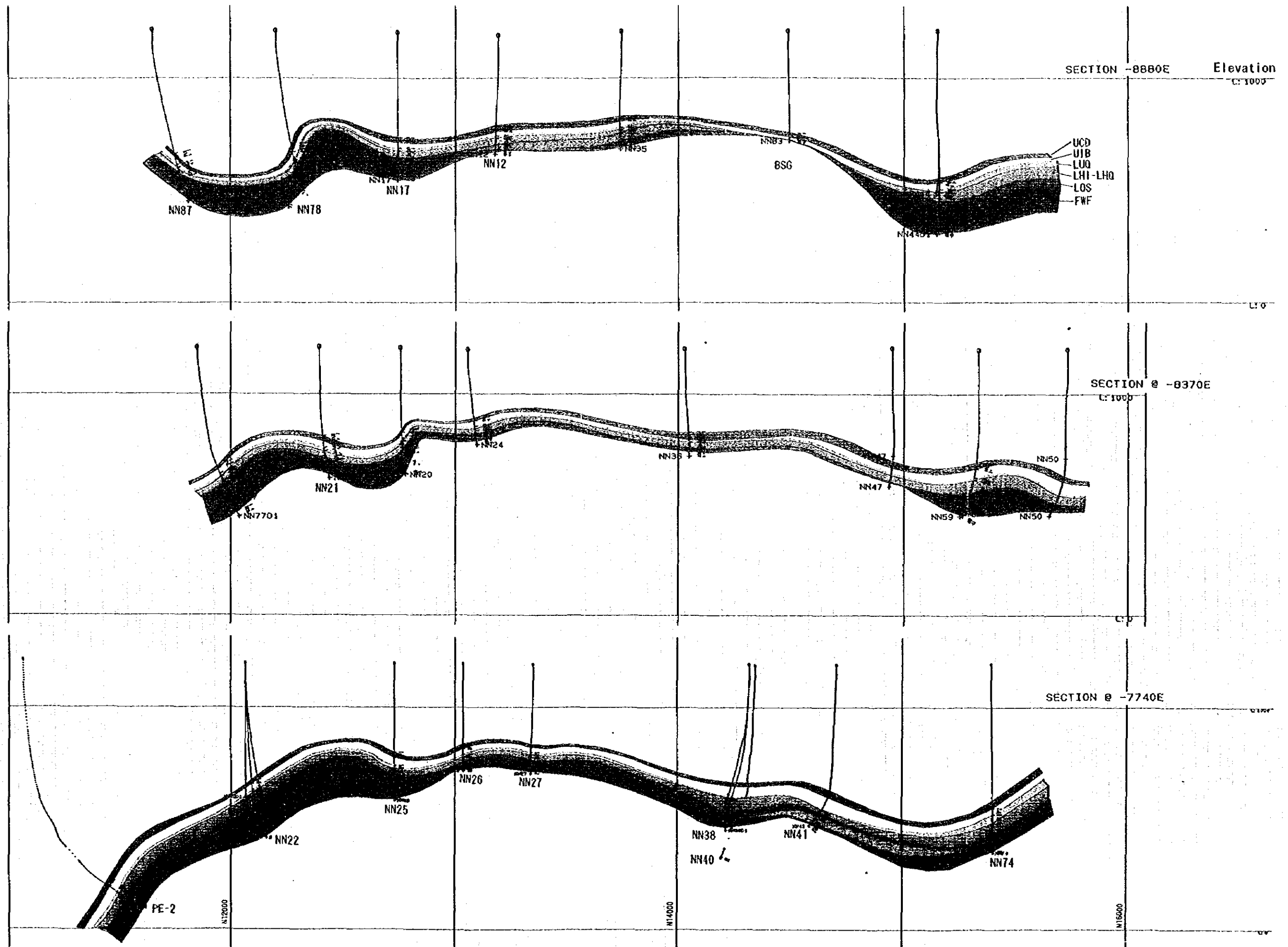
Sample No	Location	Clay Minerals					Silica	Feldspar		Silicates										Carbonates			Sulfates		Sulfides		
		sm	mix	ch	kl	tk	pp	q	pl	or	ov	px	h	mc	bt	ph	gt	ad	arl	ca	dol	ng	ah	gyp	cp	py	
XR-391	MJC-3 121.00m			▲?	▲		⊙	○					⊙			▲?											△
XR-392	173.00m						▲?	⊙		▲																▲?	
XR-393	177.00m						▲?	⊙	⊙	▲										⊙						△?	
XR-394	184.00m			▲			⊙	⊙					⊙			▲?				⊙						▲	
XR-395	193.00m						○	⊙					○							⊙							
XR-396	215.00m			▲			○	⊙		▲?			▲						○	⊙							
XR-397	223.00m			▲				○		▲?			○			▲?		⊙	○								
XR-398	265.00m			▲			⊙	▲					⊙		△?	▲?		▲								▲	
XR-399	304.00m						⊙	⊙					△						▲?	○	⊙						
XR-310	462.00m			○			⊙		▲				⊙	○	△?											△	
XR-311	481.00m			▲									△							⊙		⊙	△				
XR-312	558.00m					▲		▲					▲							⊙		⊙					
XR-313	590.00m						⊙	○	⊙				▲						▲	⊙							
XR-314	625.00m						⊙	⊙		▲?			○							△						▲?	
XR-315	647.80m			▲			⊙	▲?					⊙	△	△?				▲	⊙						▲	
XR-316	702.00m						⊙	○	○				○									▲?					
XR-491	MJC-4 101.00m					▲?	⊙	⊙					⊙	△?	△?											▲	
XR-492	151.00m			▲			○	○					○	▲?						⊙						▲?	
XR-493	178.00m	▲					▲	○				⊙							○	⊙			○				
XR-494	208.00m						▲	▲?	○				▲							⊙	○			▲?			
XR-495	248.00m					○	○						△				▲?		○	⊙							
XR-496	321.00m	▲?		△			⊙	△					⊙	△				△	○								
XR-497	375.00m			▲			⊙	▲					⊙	○								▲?					
XR-498	390.00m						⊙	○					⊙	○						○							
XR-499	406.00m						⊙						⊙	○					○							△	
XR-410	448.40m		△	○			⊙						⊙	○	△?											▲?	
XR-411	470.00m			▲		⊙							○	○						⊙	○	⊙	○			▲	
XR-412	532.00m						○	⊙	△				⊙	△					○		⊙					▲	
XR-413	575.50m					▲	○						⊙	○	△				○							▲?	
XR-414	593.00m					▲	○	⊙					▲							⊙		⊙				▲	
XR-415	598.00m			▲			⊙						△							○						▲	

Remarks: Intensity of X-Ray Diffraction ; ⊙ strong, ○ moderate, △ weak, ▲ very weak

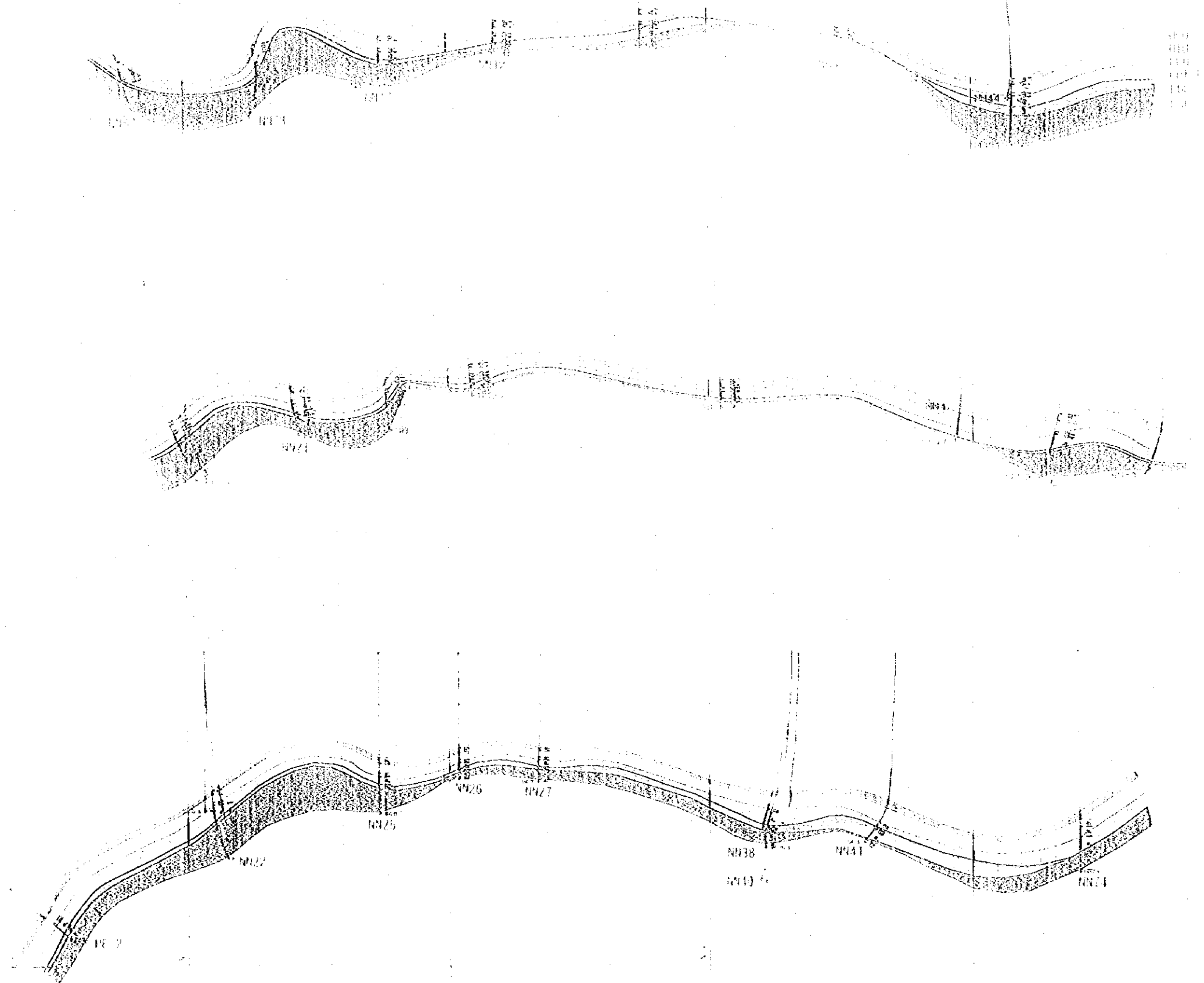
Abbreviations: sm ; ssecite mix ; chlorite-montmorillonite mixed layer clay mineral ch ; chlorite
kl ; kaolinite tk ; talc pp ; pyrophyllite q ; quartz pl ; plagioclase or ; potash feldspar
ov ; olivine px ; pyroxene h ; amphibole mc ; muscovite bt ; biotite ph ; phlogopite
gt ; garnet ad ; andalusite ca ; calcite dol ; dolomite ng ; magnesite ah ; anhydrite
gyp ; gypsum cp ; chalcopyrite py ; pyrite
arl ; arialite[(Na,Ca)₂(Si,Al)₆(OH)₂(Cl,CO₃)₂] or sizzooite[(Na, I)Ca(Si, Al)₆O₁₂Cl] scapolite group



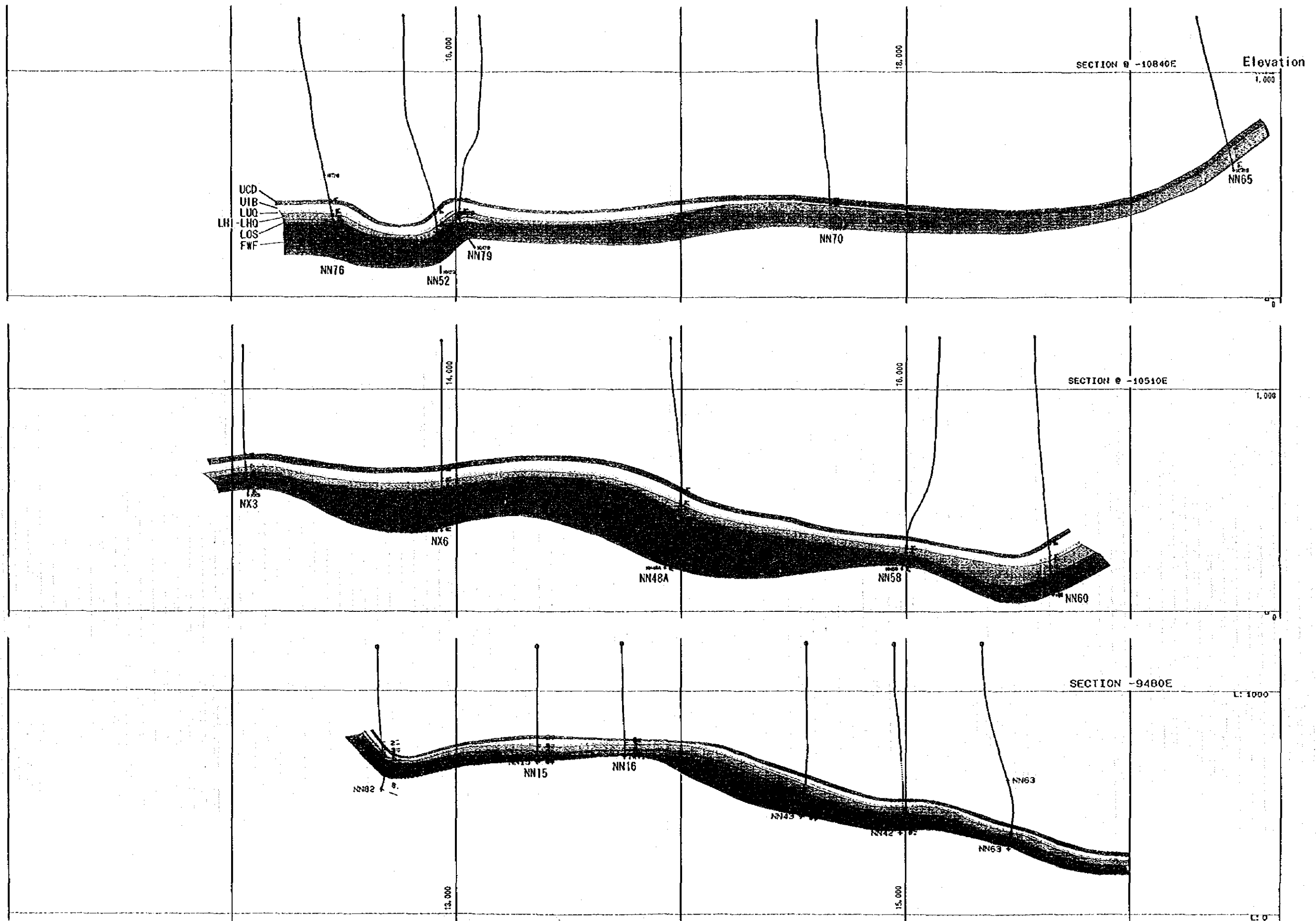
7. Plan of Borehole Collar and Trace with Section Lines



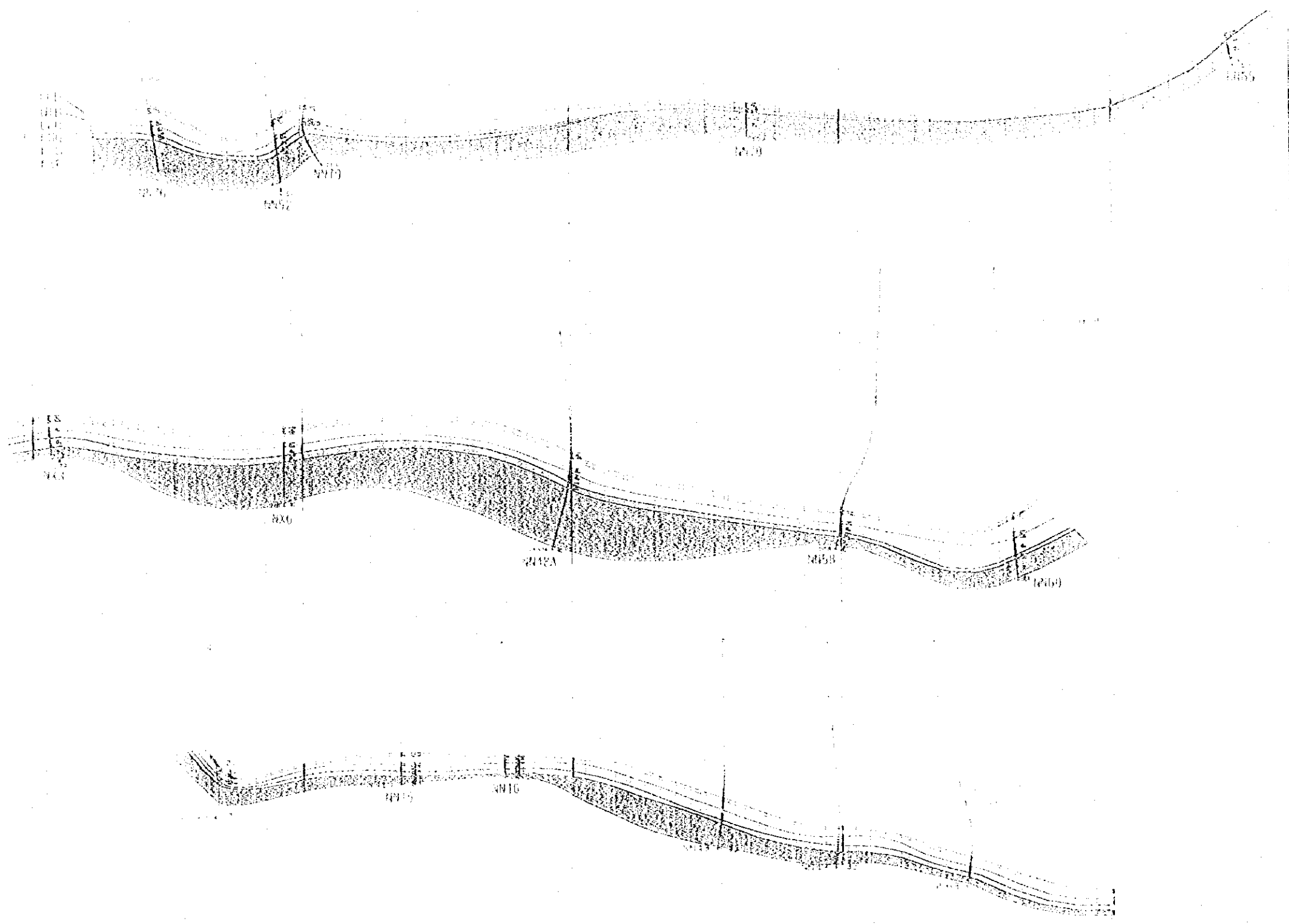
8. Geological Sections by LYNX (1)

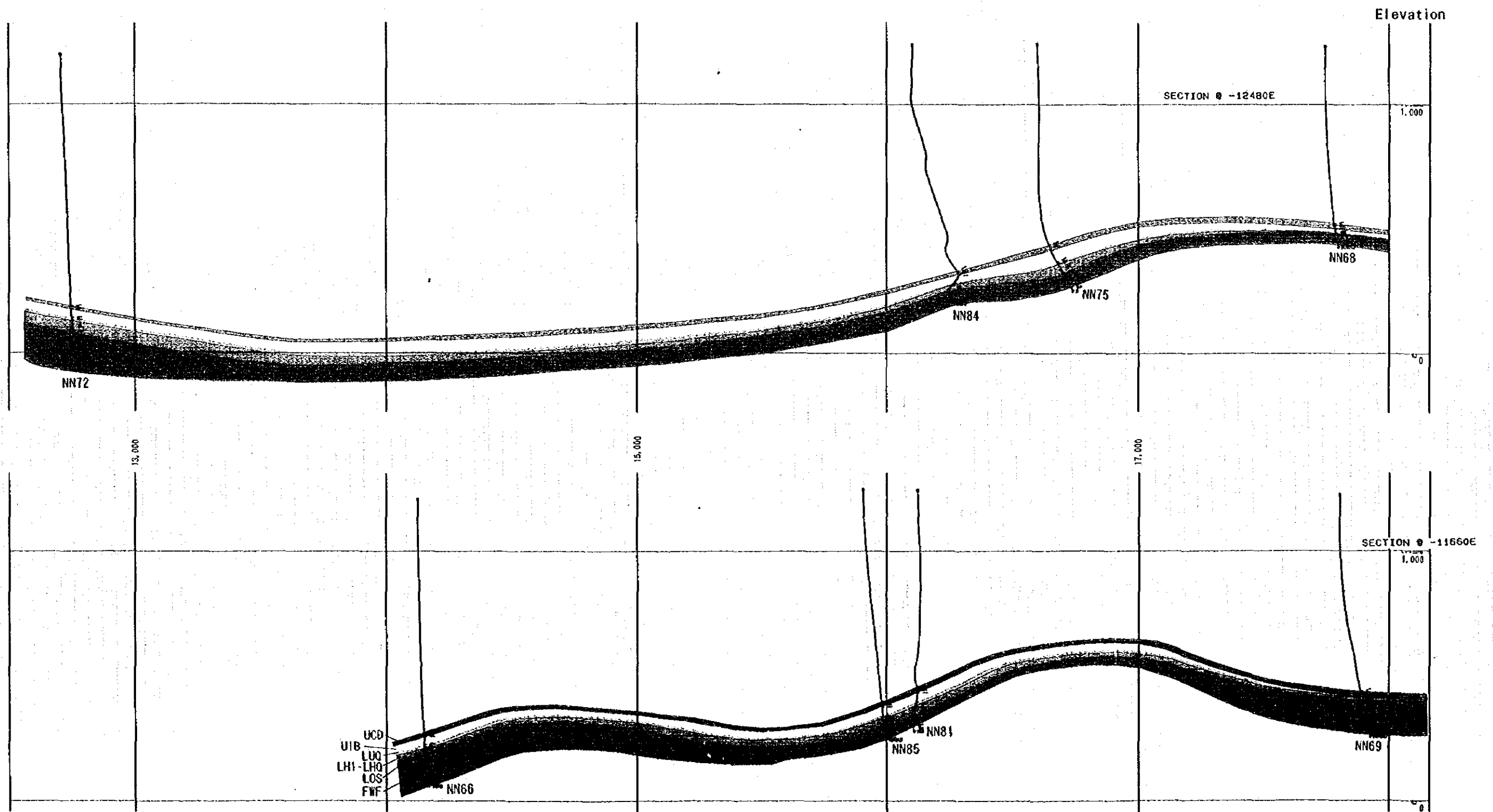


3. Geological Sections by LYRX (1)



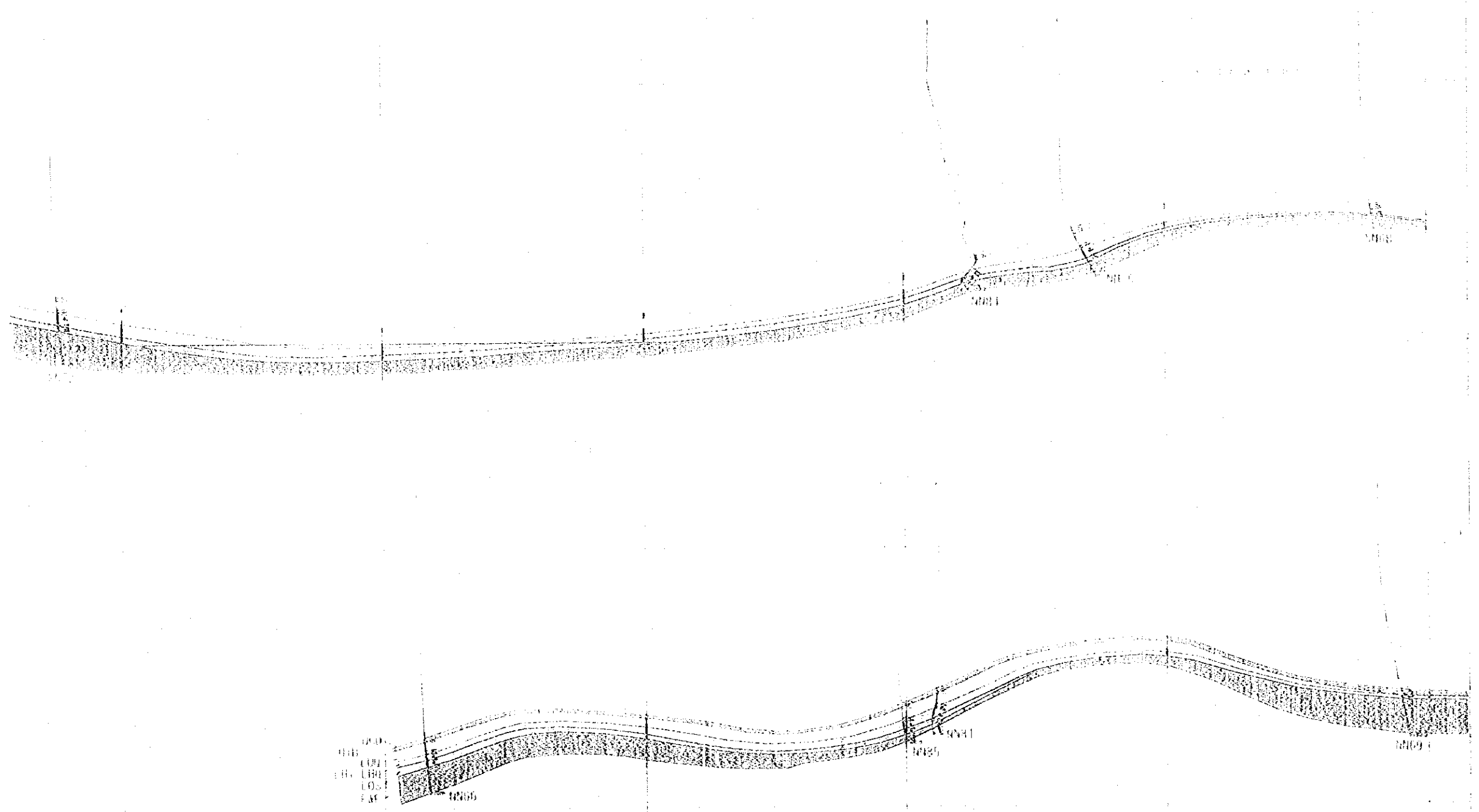
8. Geological Sections by LYNX (2)

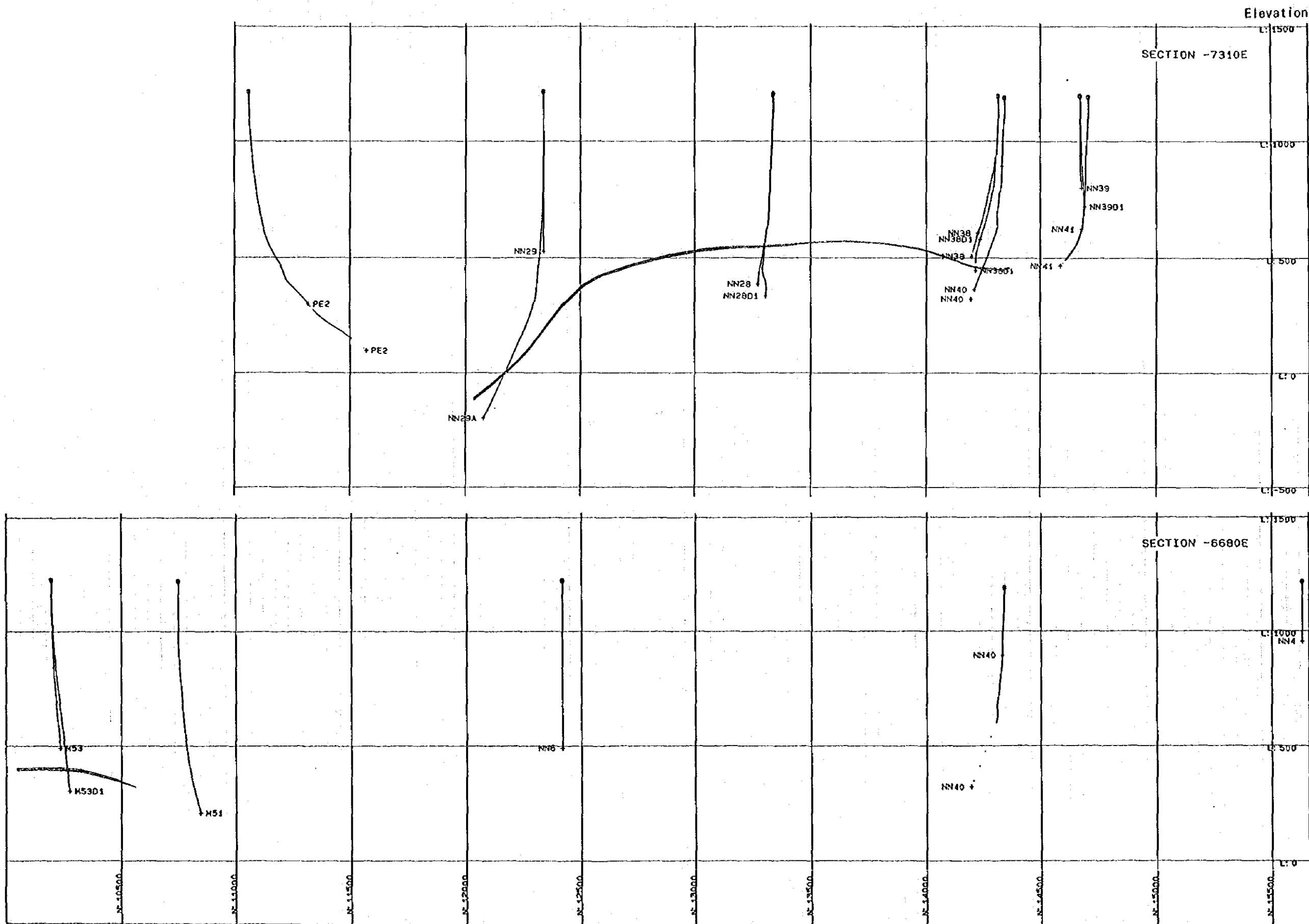




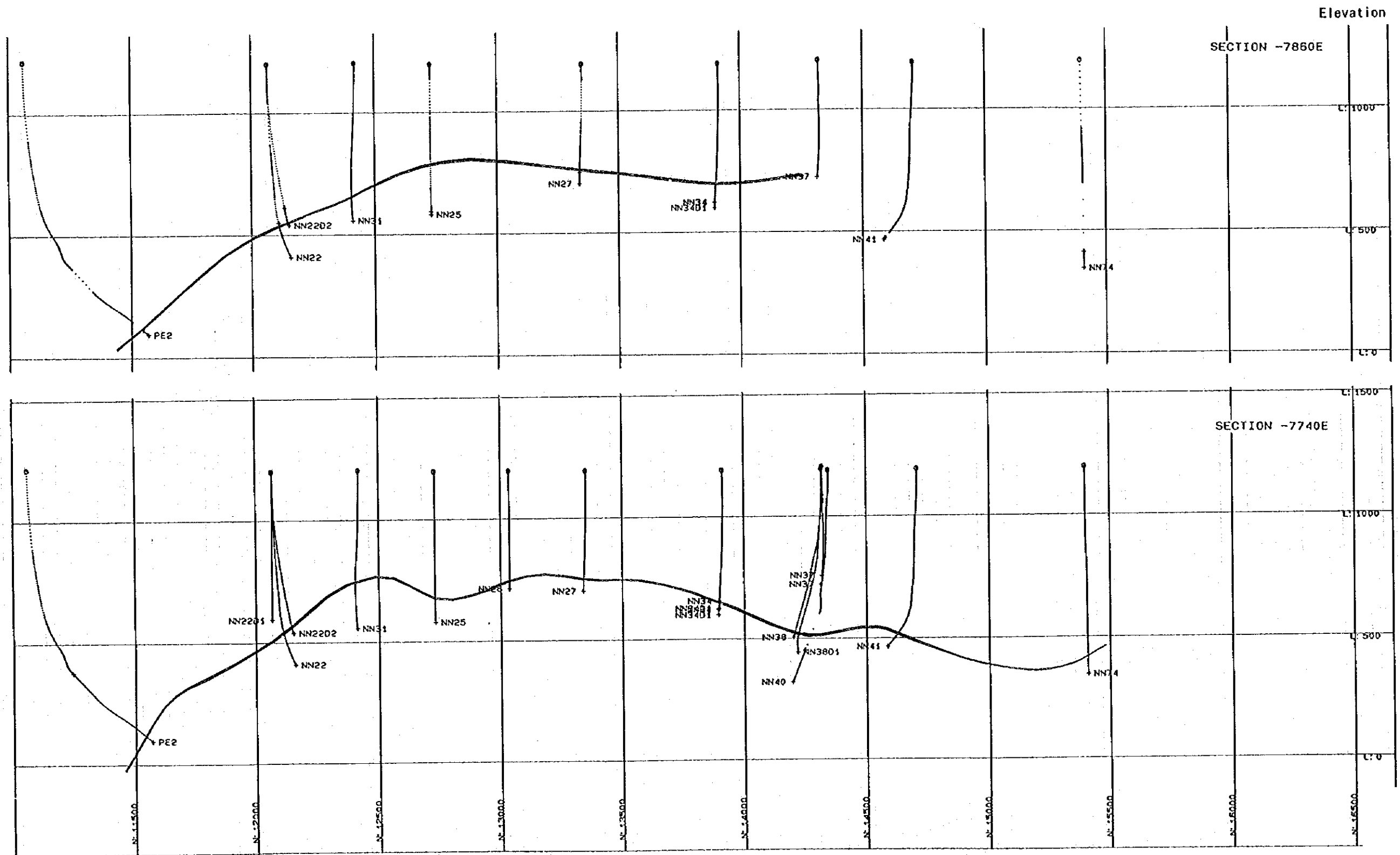
8. Geological Sections by LYNX (3)

Elevation





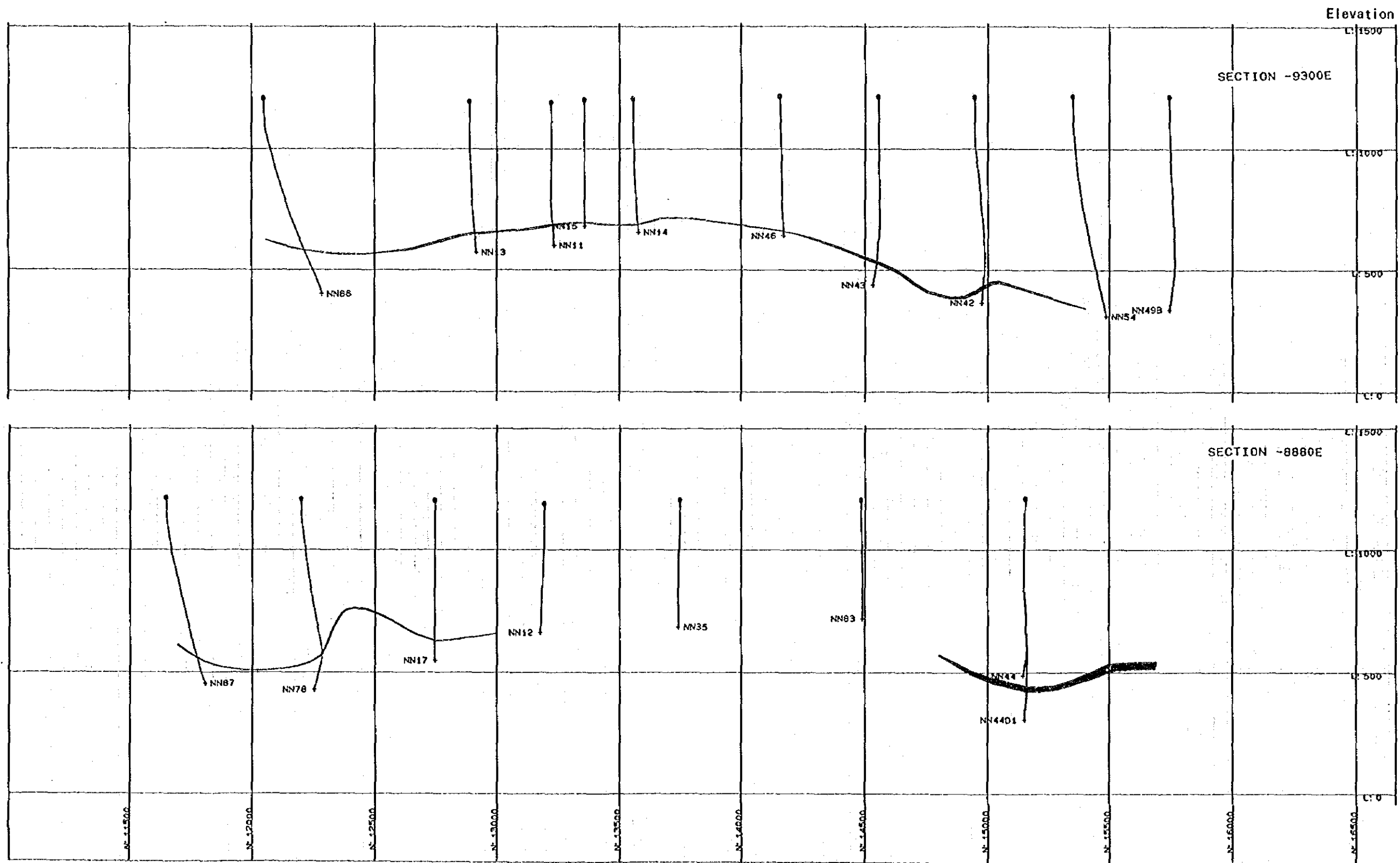
9. Orebody Sections by LYNX (1)



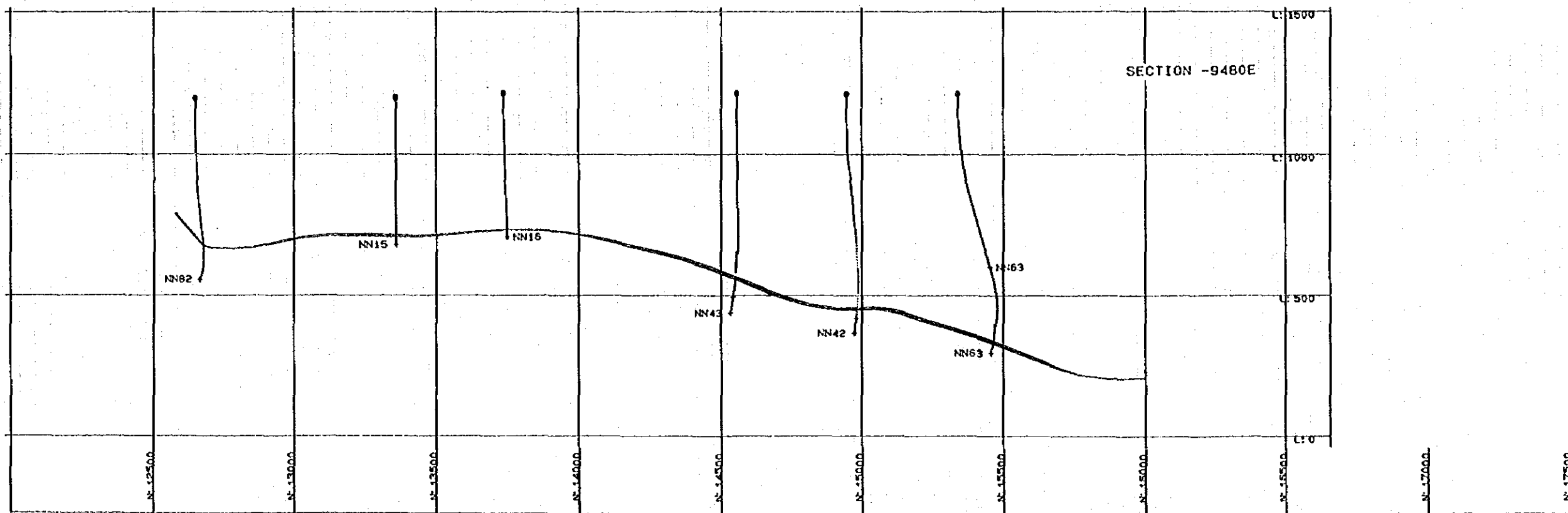
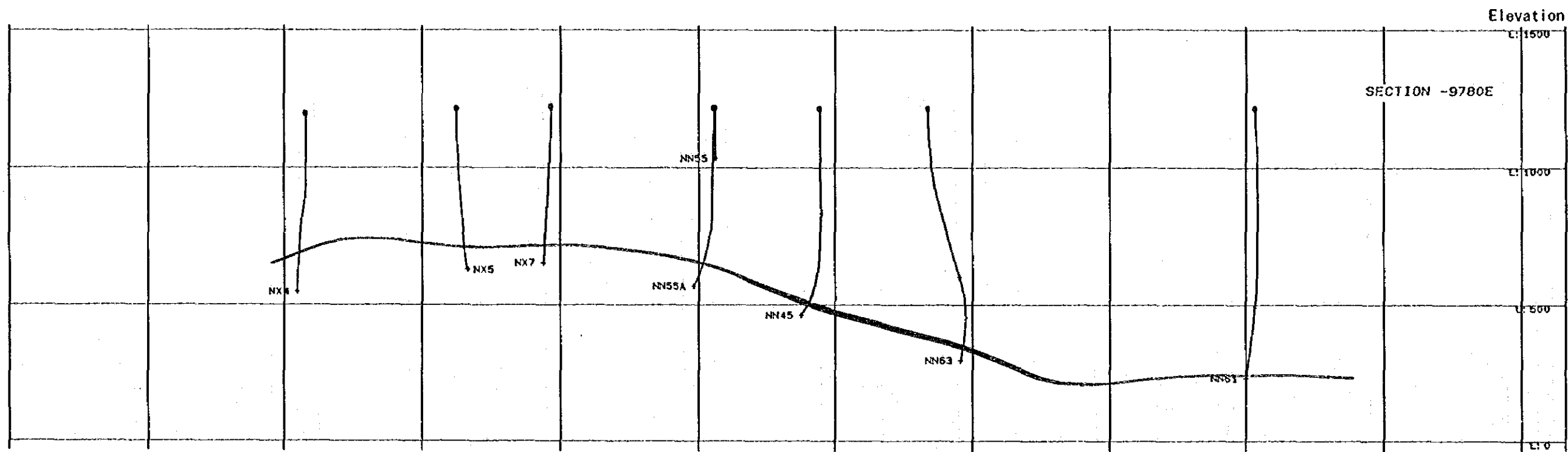
9. Orebody Sections by LYNX (2)



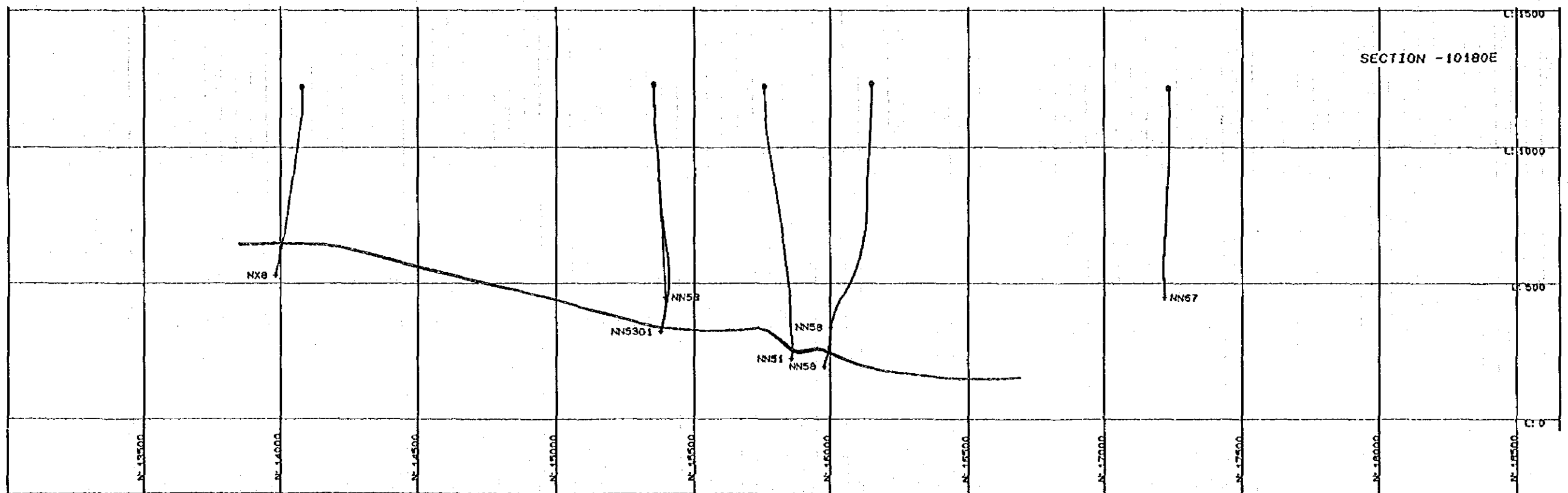
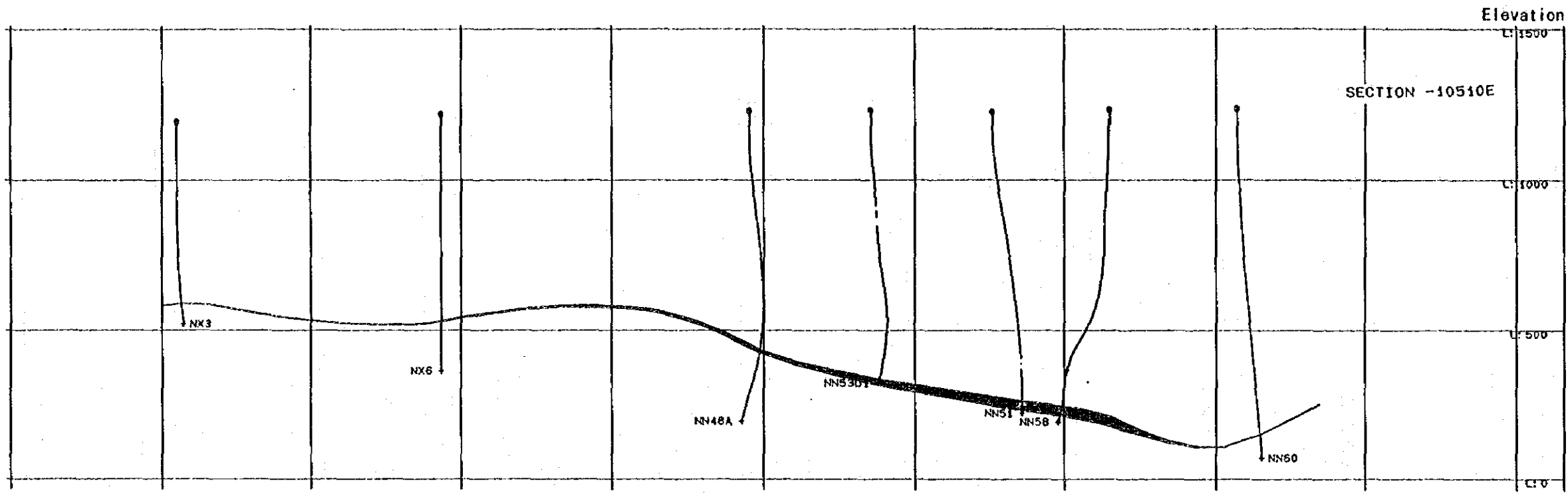
9. Orebody Sections by LYNX (3)

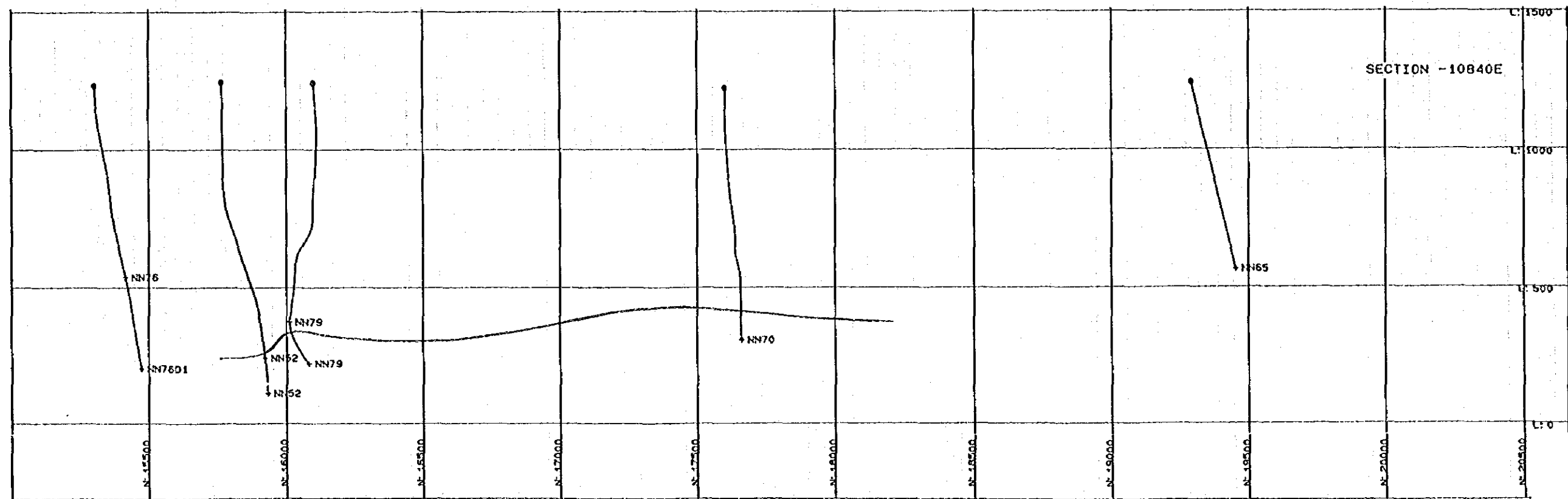
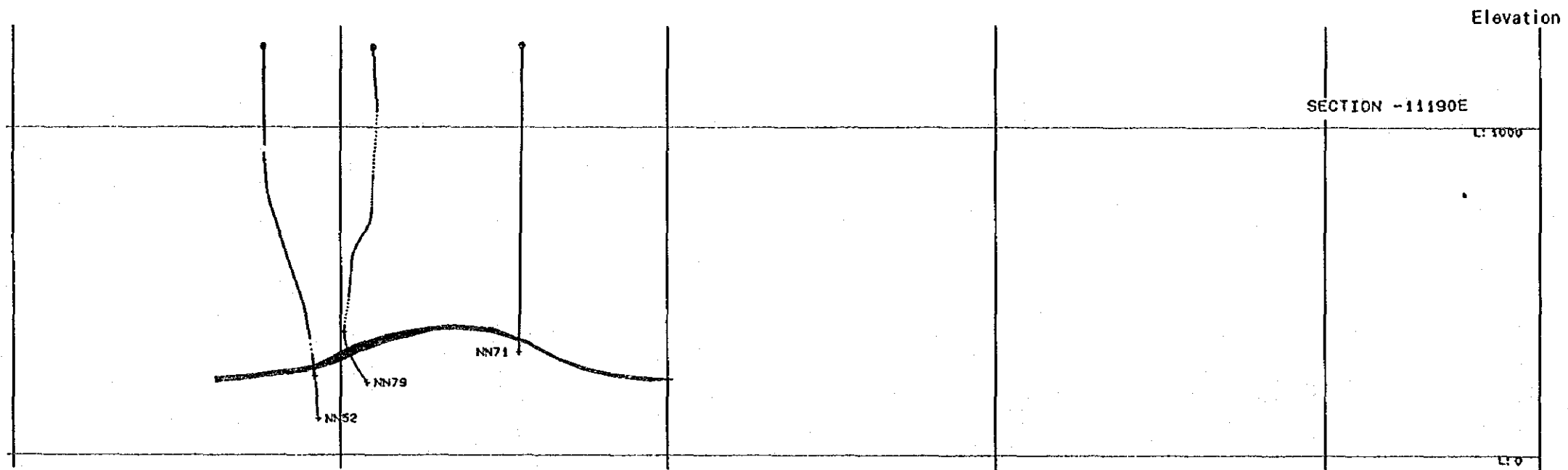


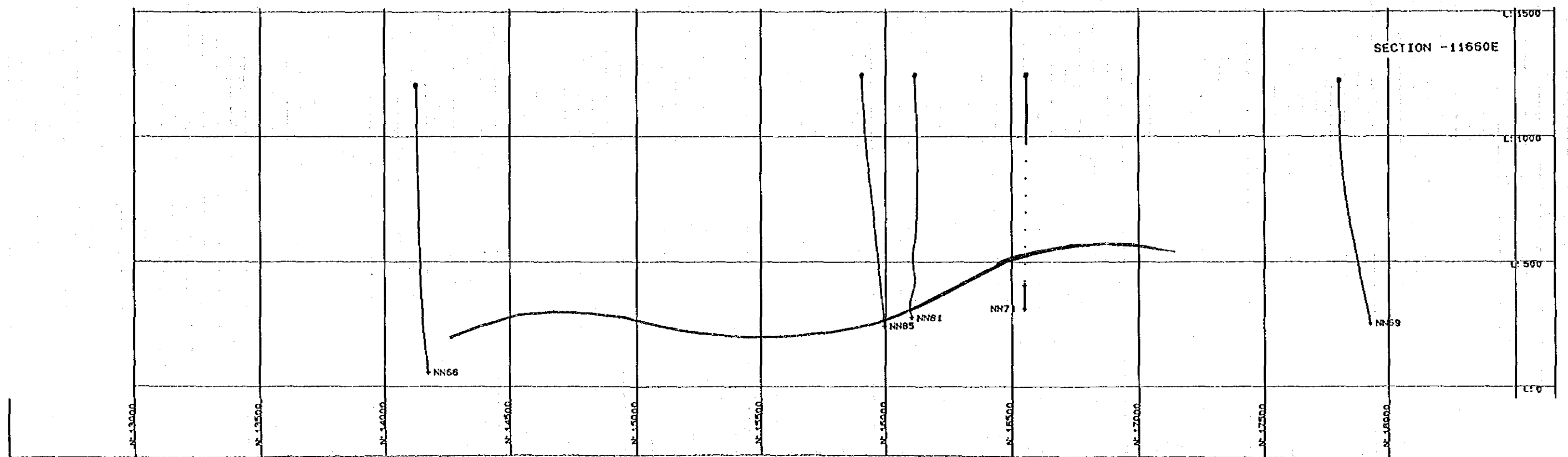
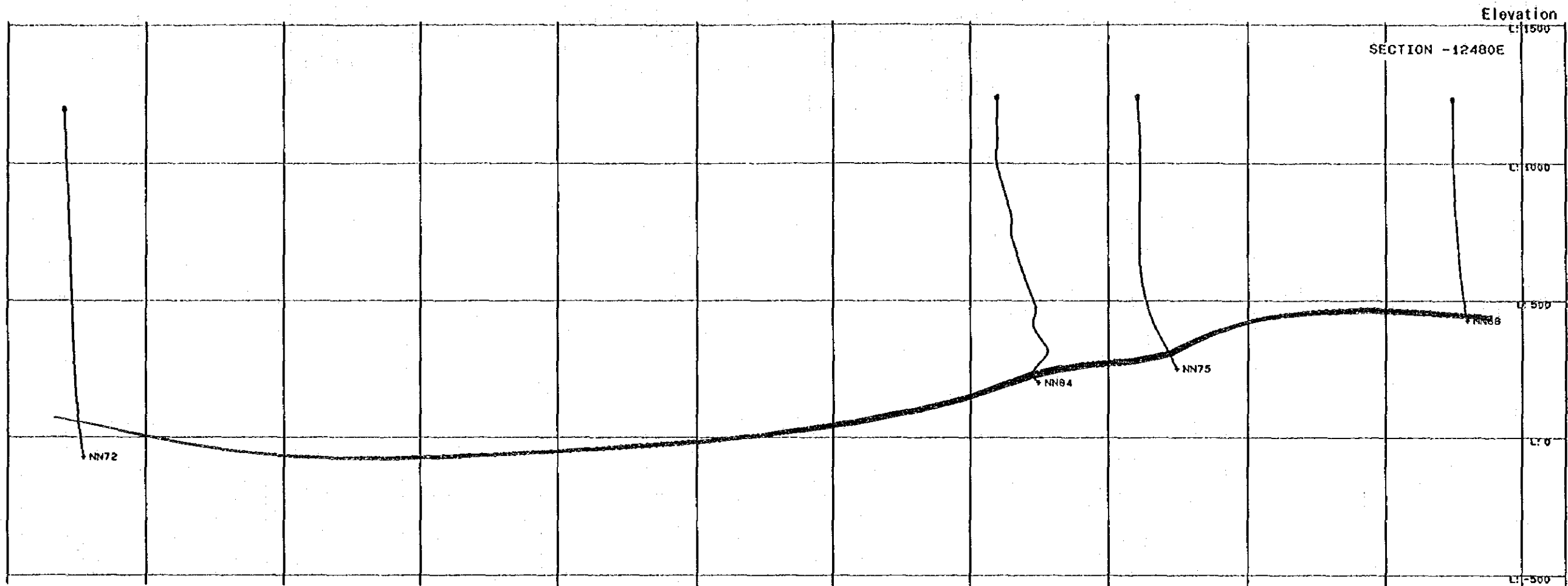
9. Orebody Sections by LYNX (4)



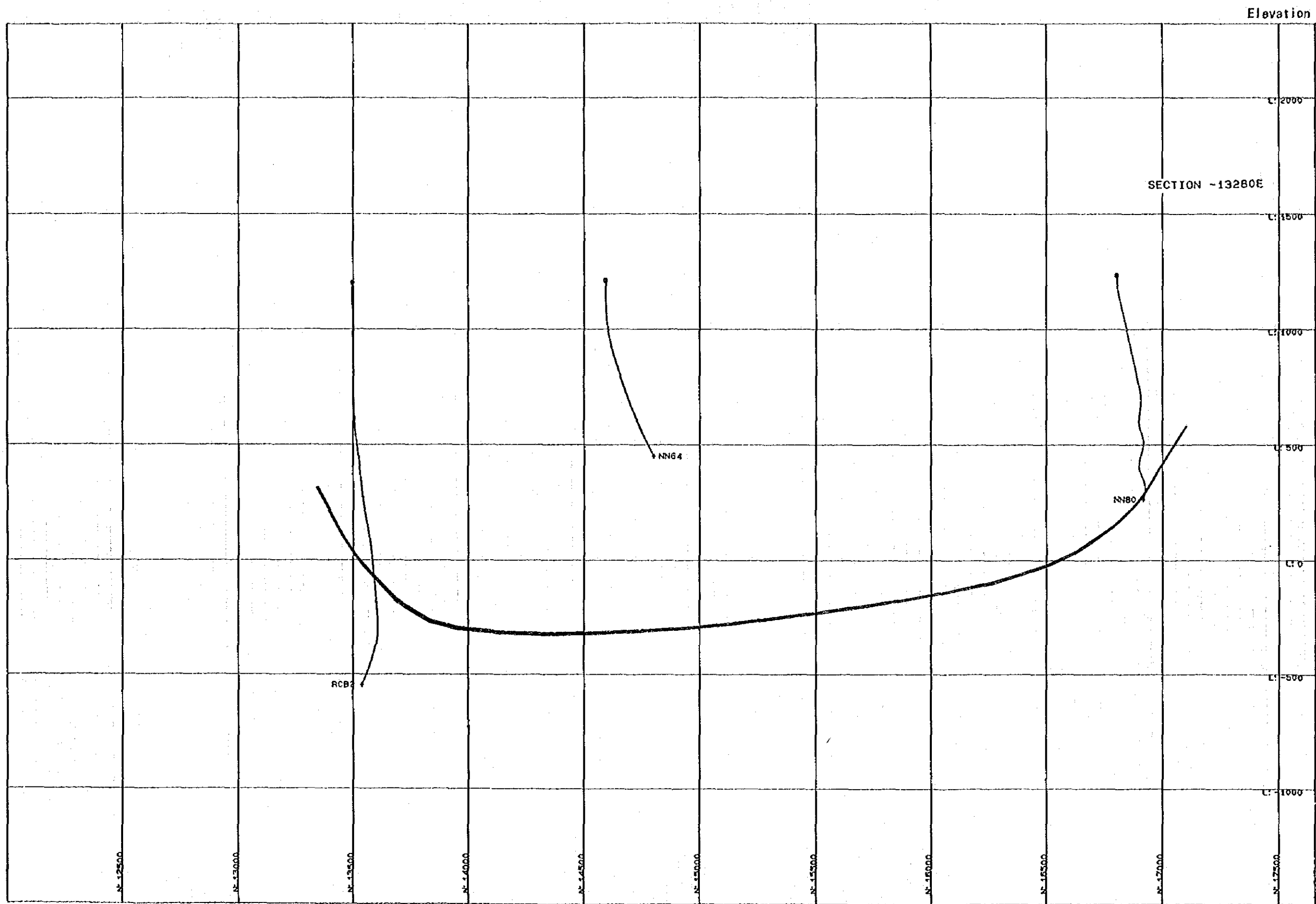
9. Orebod Sections by LYNX (5)



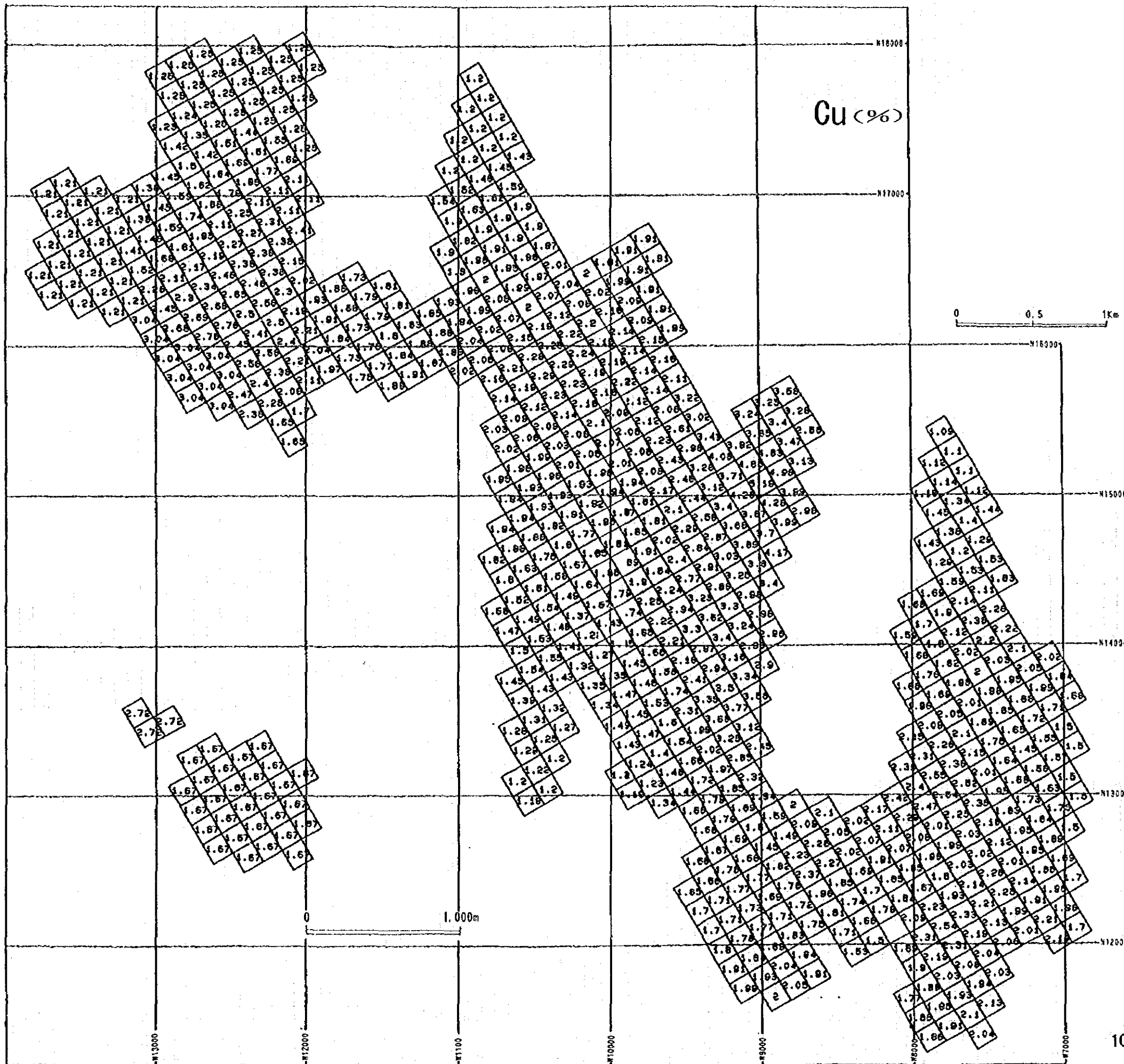




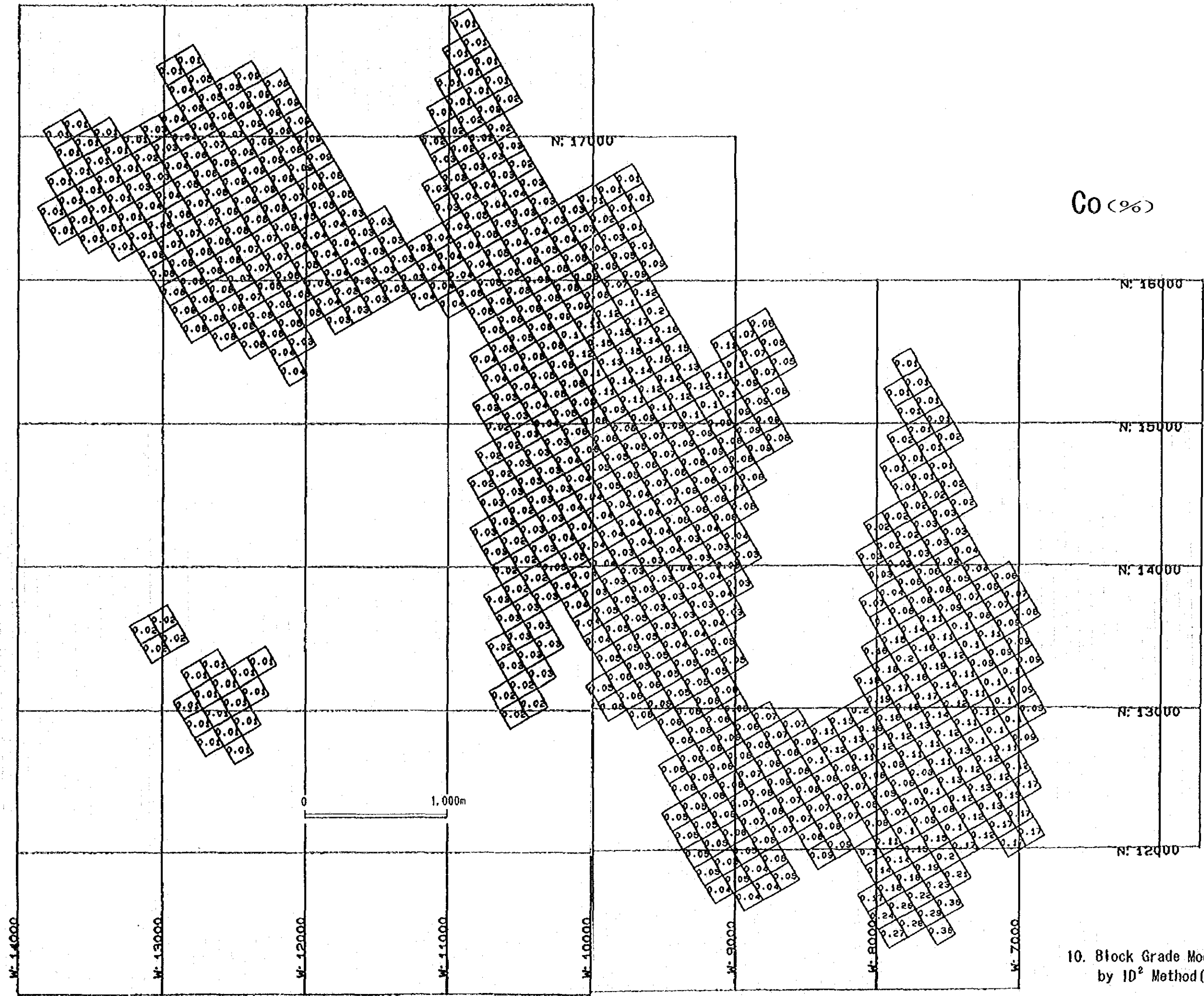
9. Orebody Sections by LYNX (8)



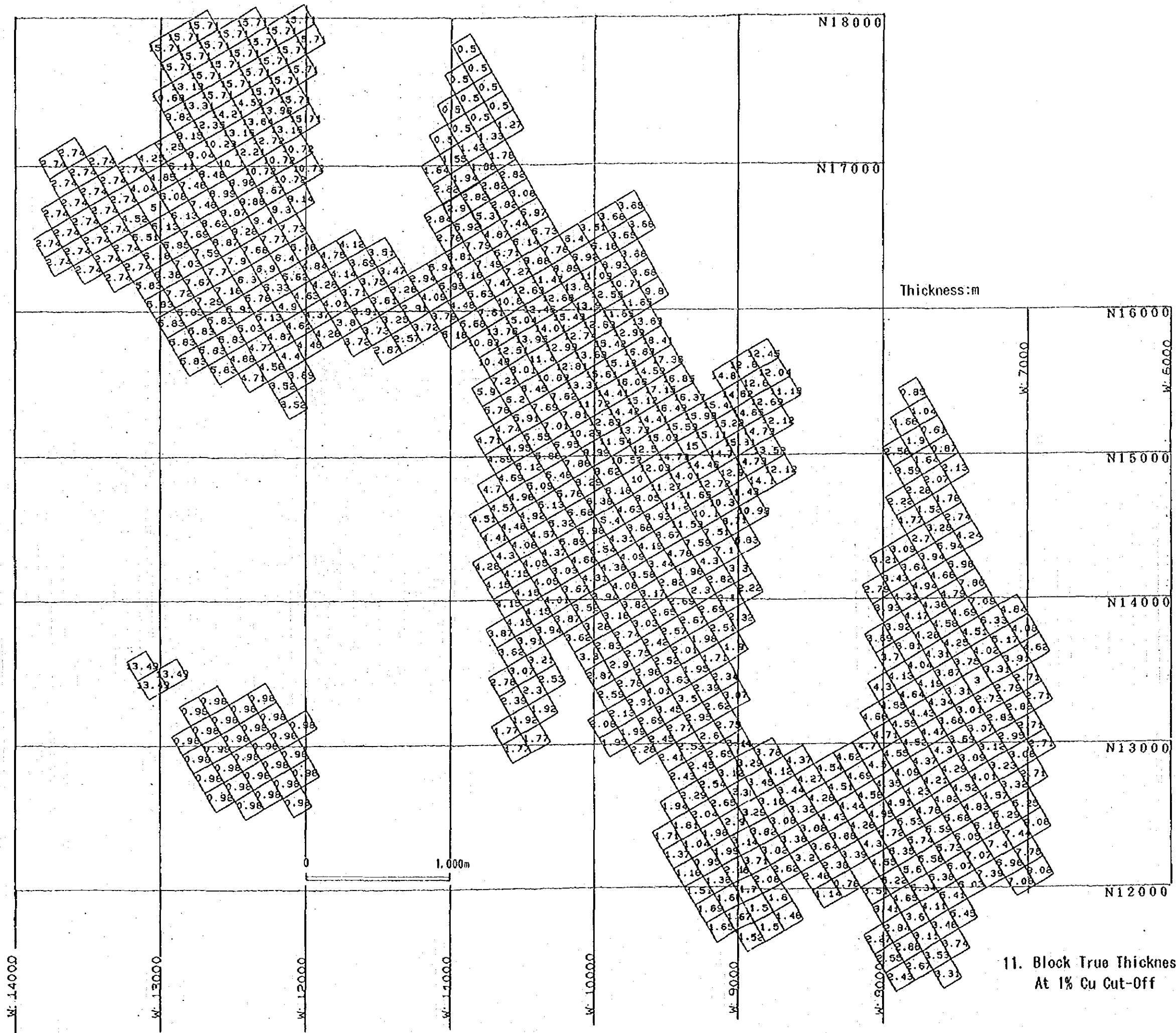
9. Orebody Sections by LYNX (9)



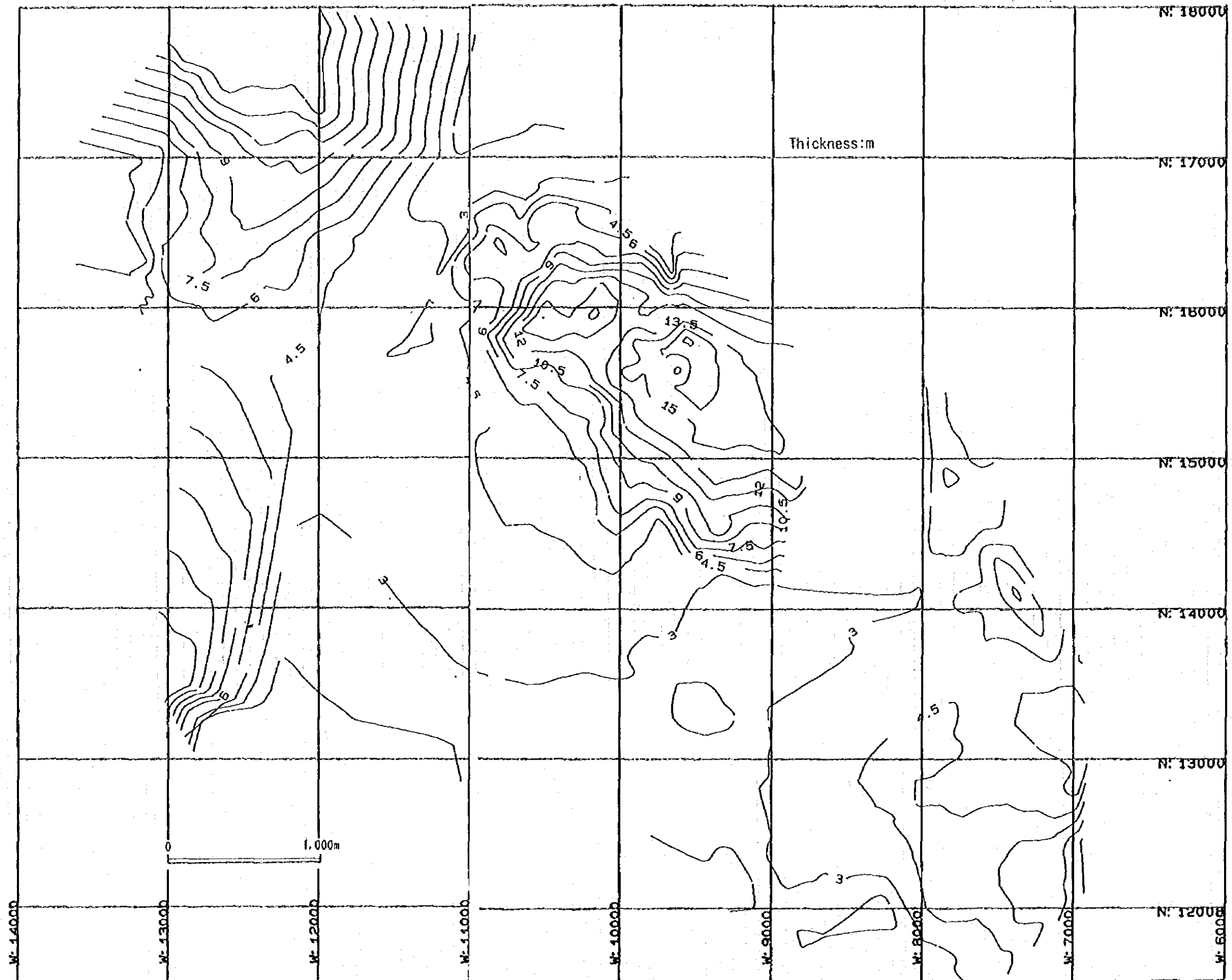
10. Block Grade Model At 1% Cu Cut-Off
by ID² Method(1)



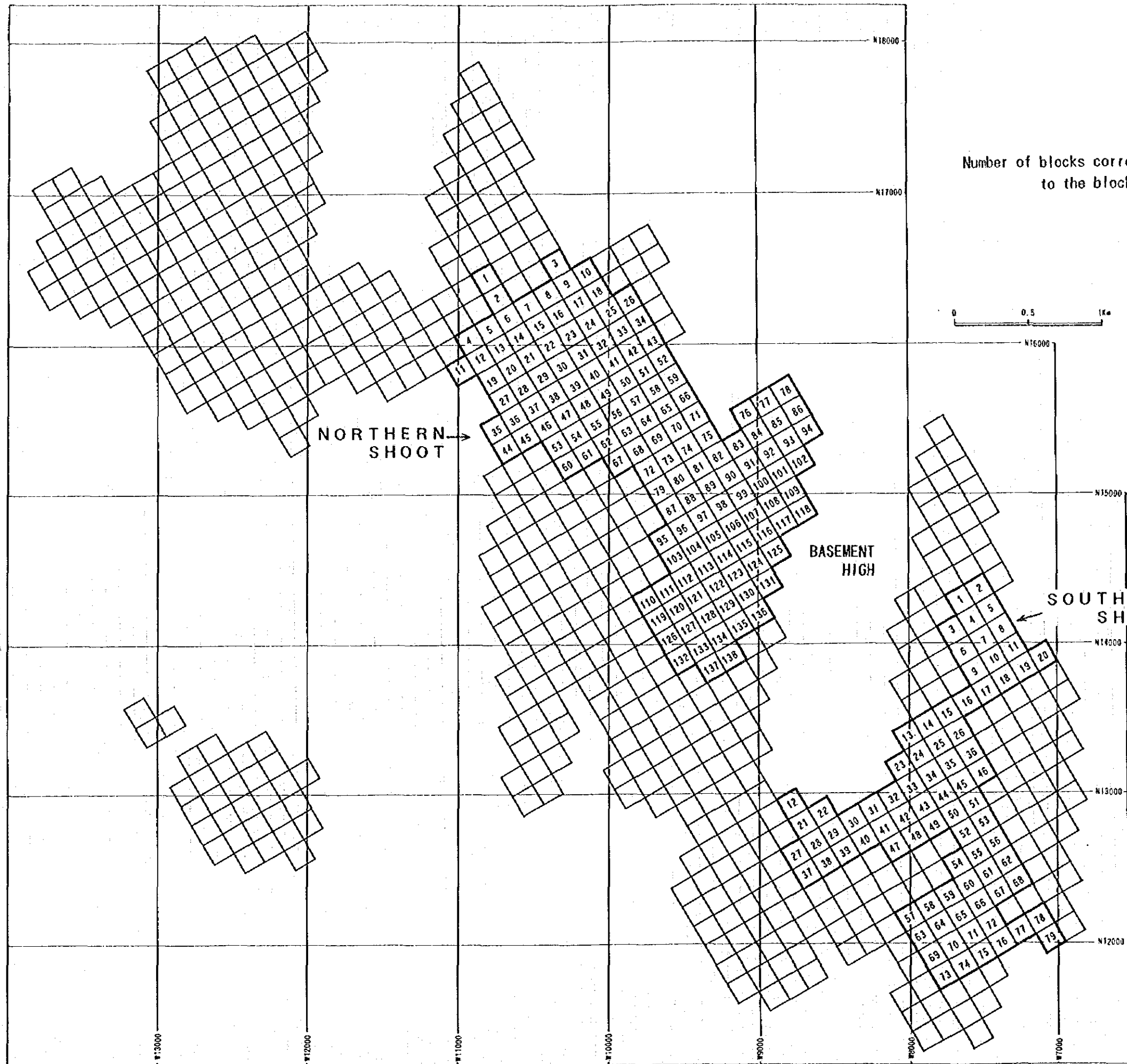
10. Block Grade Model At 1% Cu Cut-Off by ID² Method(2)



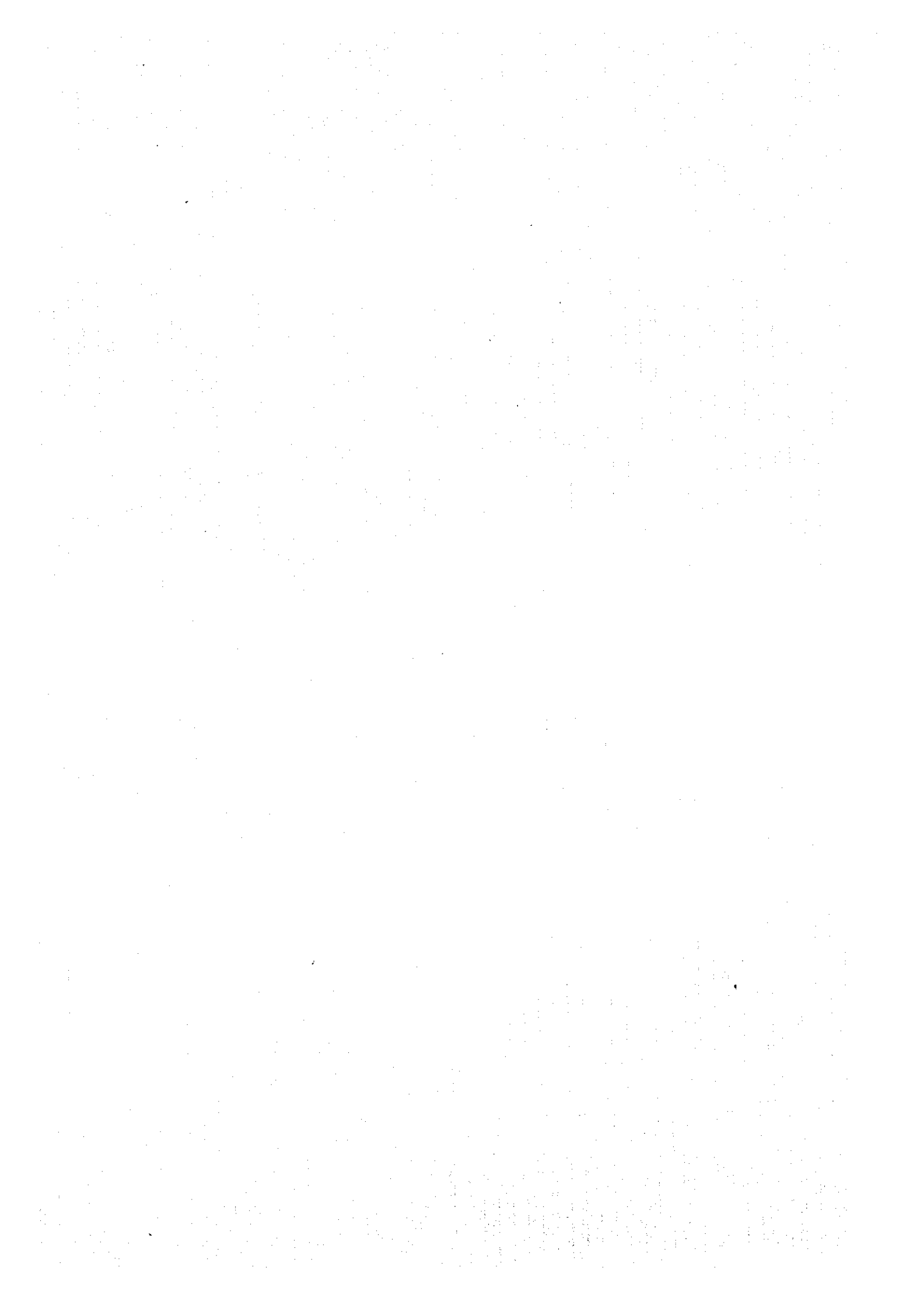
11. Block True Thickness Grids
At 1% Cu Cut-Off



12. Block True Thickness Contours of Orebody



13. Blocks of Potentially Economic Mineralization



14. Grade and Tonnage of Potentially Economic Mineralizati(1)

NORTHERN SHOOT											
Block No	VOLUME GRADE	VOL	GR	Block No	VOLUME GRADE	VOL	GR	Block No	VOLUME GRADE	VOL	GR
1	29300.7	2	56601.4	49	23990.4	2.18	522336.72	96	113207.2	2.29	259244.688
2	96047.06	2.05	196896.473	50	203959.2	2.22	452789.424	97	123983.6	2.58	319877.688
3	5423.37	2.01	10900.9737	51	114875.7	2.14	245191.988	98	255169	3.4	799574.6
4	33265.03	2.04	67860.6612	52	29366.08	2.16	63430.7328	99	270393.1	4.26	1151874.56
5	96081.92	2.07	198889.574	53	210905.2	2.03	428137.556	100	291329.2	5.19	1511988.5
6	227143.2	2.07	470186.424	54	152323.7	2.06	313786.822	101	199084.8	4.98	991442.304
7	213383.2	2	426766.38	55	150745.8	2.1	316566.18	102	58988.17	3.13	184351.272
8	49950.96	2.07	103398.487	56	229200	2.09	479028	103	141548.4	2.4	339716.184
9	10810.02	2.04	22052.4408	57	248884.4	2.12	527634.949	104	147633.5	2.84	419279.14
10	796.76	2	1593.52	58	124921.4	2.14	267331.796	105	130734.8	2.87	375208.876
11	3454.54	2.02	6978.1708	59	3240.59	2.11	6837.6449	106	262988.7	3.66	982538.605
12	43007.6	2.06	86595.656	60	130890.6	2.01	262688.106	107	303215.1	3.87	1173442.4
13	167898.1	2.08	348812.027	61	129469.1	2.05	265411.655	108	175570.9	4.26	747932.077
14	352184.7	2.15	757197.084	62	161358.9	2.07	354012.944	109	108107.5	3.99	431348.925
15	329835.3	2.19	723389.329	63	220450.3	2.06	454127.618	110	79378.09	2.25	171852.053
16	124431.9	2.13	265039.947	64	291256.5	2.12	617463.78	111	89679.59	2.24	198642.282
17	38383.97	2.01	77151.7797	65	166748.7	2.08	326037.296	112	116684.3	2.77	323243.211
18	27845.79	2.02	56842.4988	66	17596.93	3.22	56662.1146	113	193503.1	2.91	563093.982
19	70710.52	2.16	152734.723	67	183425.9	2.01	368686.079	114	243953.8	3.03	739180.014
20	244306.7	2.21	539917.807	68	215372.1	2.06	443666.505	115	269997.7	3.89	1050267.67
21	838173	2.29	1919416.17	69	218955.6	2.23	48270.966	116	148898.8	3.7	554625.56
22	31110.2	2.25	698977.676	70	154471	2.61	403169.31	117	47000.06	3.99	187530.339
23	186292.3	2.22	412601.06	71	21318.97	3.02	64383.2894	118	18457.42	2.96	54633.9632
24	76727.73	2.25	172637.393	72	276817.6	2.08	575790.587	119	57024.86	2.22	126595.189
25	56368.99	2.16	119597.018	73	170973.6	2.43	415465.824	120	71586.42	2.94	210464.075
26	72417.16	2.09	151351.864	74	90797.77	2.98	270577.355	121	68240.07	3.23	220415.426
27	110734.3	2.14	236971.402	75	7151.42	3.42	24457.8564	122	134427.6	2.86	384462.907
28	304059.3	2.19	665888.889	76	357.14	3.24	1157.1336	123	243149	3.25	790234.25
29	341951.2	2.28	783068.225	77	51352.07	3.25	166884.228	124	168787	3.8	641390.6
30	306706.8	2.29	702358.595	78	78581.12	3.58	281320.41	125	1910.96	4.17	7968.7032
31	185670.1	2.24	415901.002	79	271525.3	2.17	59209.923	126	41342.2	2.21	91366.262
32	118397.1	2.18	259195.678	80	185424.8	2.46	456145.008	127	49487.23	3.3	163307.859
33	76694.02	2.14	164125.203	81	70853.53	3.28	232399.578	128	37393.89	3.62	135365.892
34	65740.53	2.09	137397.708	82	40073.02	4.06	162696.461	129	141756.4	2.98	652424.542
35	2756.39	2.03	5595.4717	83	68517.47	3.92	288598.482	130	218934.4	2.98	652424.542
36	181186.3	2.09	378679.367	84	156805.1	3.85	603696.597	131	26719.52	3.4	90846.368
37	305403.5	2.12	647455.42	85	371404.1	3.4	1262773.91	132	25805.97	2.18	56257.0146
38	289613.1	2.23	601237.191	86	164024.1	3.28	567999.015	133	29736.81	2.97	88318.3257
39	226283.9	2.23	504613.119	87	154751.8	2.1	324978.78	134	75494.09	3.4	258679.906
40	227310.5	2.19	497809.995	88	149168	2.44	363969.92	135	178875.3	2.96	267915.846
41	160009	2.19	350419.71	89	168034.9	3.12	524268.918	136	90512.11	2.94	99384.4082
42	98010.84	2.14	209743.198	90	176137.6	3.71	65470.459	137	33804.22	2.94	99384.4082
43	60152.55	2.15	129327.983	91	246098.4	4.86	1196038.27	138	134622.5	3.16	425407.1
44	41403.5	2.02	83635.07	92	317463.9	4.83	153350.69				
45	253523.3	2.08	527328.464	93	280470	3.47	973230.9				
46	252732	2.09	528209.88	94	7271.39	2.66	19341.8974				
47	186505.6	2.14	399121.963	95	169025	2.02	341430.5				
48	165778.2	2.18	361395.476								

ARITH AVGR
AV GRADE=
TONNAGE=

2.675145
2.609034
54793415

14. Grade and Tonnage of Potentially Economic Mineralizati (2)
SOUTHERN SHOOT

BLOCK NO	VOLUME	GRADE	VOL*GR	BLOCK NO	VOLUME	GRADE	VOL*GR
1	104514.6	2.14	223661.244	49	110796.1	2.01	222700.161
2	81902.59	2.11	172814.465	50	64930.93	2.25	146094.583
3	69578.15	2.12	148353.678	51	59596.74	2.33	141840.241
4	67519.87	2.36	159347.129	52	59984.84	2.03	121789.525
5	8494.82	2.28	19368.1896	53	56917.4	2.18	124079.832
6	71213.62	2.02	147891.512	54	86582.1	2.03	135161.663
7	36375	2.2	80025	55	78675.62	2.02	158924.752
8	2313.24	2.22	5135.3928	56	87484.31	2.12	185466.737
9	59953.47	2	119906.94	57	34251.8	2.09	71586.262
10	14277.44	2.03	28983.2032	58	92788.52	2.23	206940.7
11	468.15	2.1	983.115	59	100712.9	1.93	194375.897
12	7927.8	2	15855.6	60	79026	2.14	169115.64
13	35220.31	2.16	75723.6665	61	87965.32	2.28	200560.93
14	140681	2.09	294023.29	62	91505.14	2.01	183927.341
15	70333.17	2.05	144182.998	63	114751.5	2.31	265075.965
16	65869.57	2.01	132397.836	64	118688.1	2.54	301467.774
17	41084.12	1.98	81346.5576	65	102400.9	2.33	238594.097
18	15608.2	1.95	30435.99	66	112303.1	2.21	248189.851
19	3996.87	2.05	8193.5835	67	112845.9	2.25	253903.275
20	54.68	2.02	110.4536	68	114868.1	2.14	246010.334
21	20765.22	2.03	43399.3098	69	148655.6	2.19	327745.742
22	43402.87	2.1	91146.027	70	110108.4	2.31	254350.404
23	1953.62	2.39	4669.1516	71	123885.5	2.19	271309.245
24	117400.1	2.31	271194.231	72	115046.2	2.13	245048.406
25	116304.9	2.26	262849.074	73	109425.3	2.03	222133.359
26	90565.38	2.1	190187.298	74	108362.6	2.08	225394.208
27	31598.34	2.23	70397.3982	75	100103.9	2.04	204211.956
28	56669.35	2.26	128072.731	76	66070.79	2.06	136105.827
29	85950.92	2.05	176199.386	77	45139.52	2.01	90730.4352
30	52257.74	2.02	105660.635	78	107526.3	2.21	237633.123
31	42776.5	2.17	92825.005	79	4856.48	2.19	10635.6912
32	43344.87	2.42	104894.586				
33	54523.19	2.4	130855.656	TOTAL	5593100	171.49	12223474.8
34	123815.7	2.55	315730.035	ARITH. AVGR		2.170759	
35	74147.05	2.36	17487.035	AV. GRADE #		2.185456	
36	91350.12	2.15	196402.758	TONNAGE #		14933576	
37	38759.38	2.37	91859.7308				
38	55041.02	2.27	124843.115				
39	78480.85	2.02	158631.317				
40	82644.77	2.07	171074.674				
41	71735.02	2.11	151360.892				
42	78696.52	2.29	180215.031				
43	107831	2.47	266342.57				
44	86597.8	2.54	219958.412				
45	76731.44	2.52	193363.229				
46	54102.74	2.01	108746.507				
47	38069.62	2.07	78804.1134				
48	90459.81	2.09	189061.003				

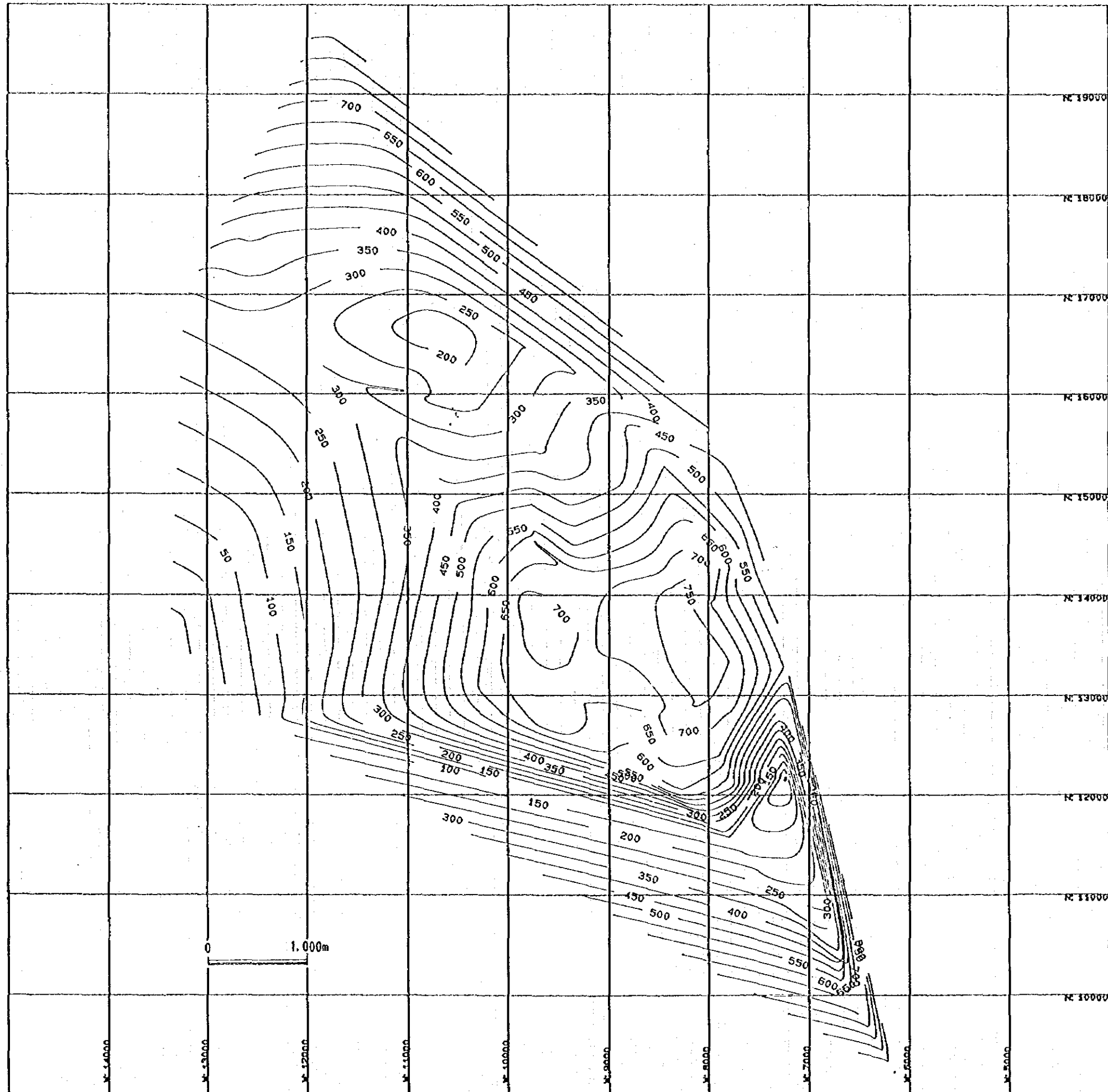
14. Grade and Tonnage of Potentially Economic Mineralizati (3)

NORTHERN SHOOT											
Block No	VOLUME(m3)	GRADE(%Co)	VOL*CoGR	Block No	VOLUME(m3)	GRADE(%Co)	VOL*CoGR	Block No	VOLUME(m3)	GRADE(%Co)	VOL*CoGR
1	29300.7	0.05	1465.035	47	185505.59	0.06	14920.45	93	280470	0.27	75726.3
2	96047.06	0.05	4802.353	48	165778.2	0.1	16577.82	94	7271.39	0.25	1817.848
3	5423.37	0.03	162.7011	49	239604	0.11	26396.44	95	169025	0.26	43946.5
4	33265.03	0.04	1330.601	50	203959.2	0.12	24475.1	96	113207.2	0.27	30565.94
5	96081.92	0.04	3843.277	51	114575.7	0.1	11457.57	97	123983.6	0.29	35955.24
6	227143.2	0.05	11357.16	52	29566.08	0.12	3523.93	98	235169	0.29	68199.01
7	213383.19	0.04	8535.328	53	210905.2	0.05	10545.26	99	270393.09	0.29	784.14
8	49950.96	0.04	1998.038	54	152323.7	0.06	9139.422	100	291329.19	0.29	84485.47
9	10810.02	0.03	324.3006	55	150745.8	0.12	18089.5	101	199084.8	0.29	57734.59
10	796.76	0.03	23.9028	56	229700	0.15	34390	102	58398.17	0.26	15313.52
11	3454.54	0.04	138.1816	57	248894.41	0.15	37332.66	103	141548.41	0.27	38218.07
12	43007.6	0.05	1750.38	58	124921.4	0.17	21236.64	104	147633.5	0.28	41337.38
13	167698.09	0.05	8384.905	59	3240.59	0.2	648.118	105	130734.8	0.28	36605.74
14	952184.69	0.06	21131.08	60	130690.6	0.05	6534.53	106	262988.69	0.29	76296.72
15	329835.31	0.06	19790.12	61	129469.1	0.06	7768.146	107	303215.09	0.28	84900.23
16	124431.9	0.05	6221.595	62	161358.91	0.1	16135.88	108	175570.91	0.29	50915.56
17	30083.97	0.04	1535.359	63	220450.3	0.13	28658.54	109	108107.5	0.28	30270.1
18	27545.79	0.03	826.3737	64	291256.5	0.15	43688.48	110	76378.69	0.24	18330.89
19	70710.52	0.06	4242.631	65	156748.7	0.14	21844.82	111	88679.59	0.24	21283.1
20	244306.7	0.06	14658.4	66	17596.93	0.16	2815.509	112	116694.3	0.27	31507.46
21	838173	0.06	50290.38	67	183425.91	0.11	20176.85	113	193503.09	0.29	56115.9
22	311101.19	0.06	18666.07	68	215372.09	0.14	30152.09	114	243953.8	0.28	68307.06
23	185252.3	0.05	9262.615	69	218955.59	0.14	30653.78	115	269991.69	0.27	72897.76
24	76727.73	0.05	3836.387	70	194471	0.16	24715.36	116	149898.8	0.28	41971.66
25	55368.59	0.04	2214.76	71	21318.97	0.15	3197.846	117	47000.06	0.29	13630.02
26	72417.16	0.03	2172.515	72	276817.59	0.11	30449.93	118	18457.42	0.26	4798.929
27	110734.3	0.05	5536.715	73	170973.59	0.12	20516.83	119	57024.86	0.24	15685.97
28	304099.31	0.06	18243.96	74	90797.77	0.14	12711.69	120	71586.42	0.24	17180.74
29	341951.19	0.06	20517.07	75	7151.42	0.13	929.6846	121	68240.07	0.25	17060.02
30	306706.81	0.08	24536.54	76	357.14	0.11	39.2854	122	134427.59	0.26	34951.17
31	185670.09	0.08	14853.61	77	51352.07	0.07	3594.645	123	243149	0.26	63218.74
32	118897.1	0.06	7133.828	78	78581.12	0.06	4714.867	124	168787	0.27	45572.48
33	76694.02	0.05	4601.641	79	271525.31	0.09	24437.28	125	1910.96	0.28	535.0688
34	65740.53	0.05	3287.027	80	185424.8	0.11	20396.73	126	41342.2	0.03	1240.266
35	2756.39	0.04	110.2556	81	70853.53	0.12	8502.424	127	49487.23	0.04	1979.489
36	181186.3	0.05	9059.315	82	40073.02	0.12	4808.762	128	37393.89	0.03	1121.817
37	305403.5	0.05	15270.18	83	68517.47	0.11	7536.922	129	141796.41	0.04	5670.256
38	269613.09	0.08	21569.05	84	156805.09	0.1	15680.51	130	218994.41	0.06	13136.06
39	226283.91	0.09	20365.55	85	371404.09	0.07	25998.29	131	26719.52	0.06	1603.171
40	227310.5	0.09	20457.95	86	164024.09	0.06	9841.445	132	25805.97	0.03	774.1791
41	160009	0.08	12800.72	87	154751.8	0.07	10932.63	133	29736.81	0.04	1189.472
42	98010.84	0.07	6860.759	88	149168	0.09	13425.12	134	75494.09	0.03	2264.823
43	60152.55	0.09	5413.73	89	168034.91	0.1	16803.49	135	178878.3	0.03	5366.349
44	41403.5	0.04	1656.14	90	176137.59	0.1	17613.76	136	50512.11	0.04	3620.494
45	253523.3	0.04	10140.93	91	246098.41	0.1	24609.84	137	33804.22	0.04	1352.169
46	252732	0.06	15163.92	92	317463.91	0.09	28571.75	138	134622.5	0.04	5394.9
TOTALS											
20521878											
17.02											
0.12533333											
C.12769832											

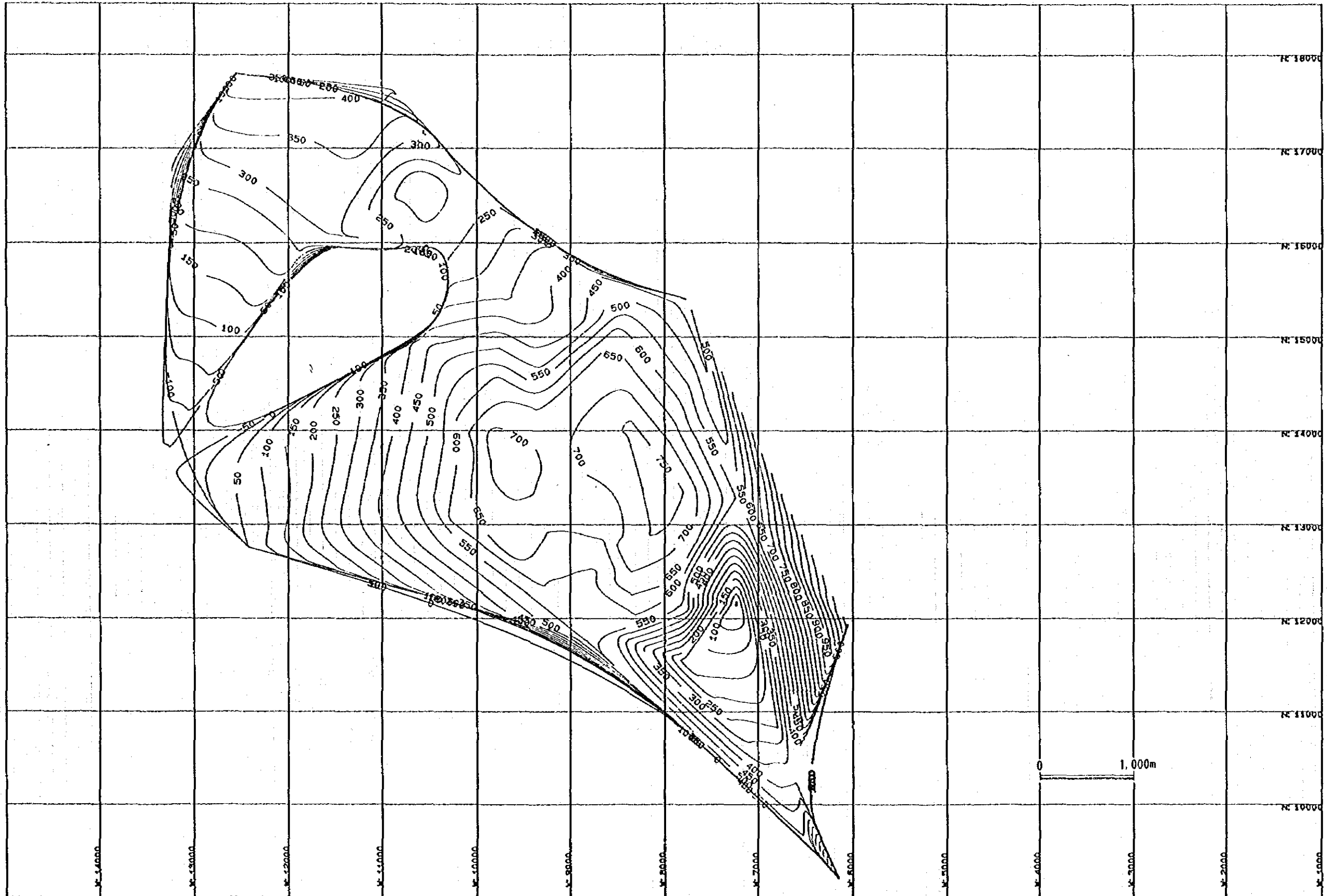
14. Grade and Tonnage of Potentially Economic Mineralizati(4)

SOUTHERN SHOOT

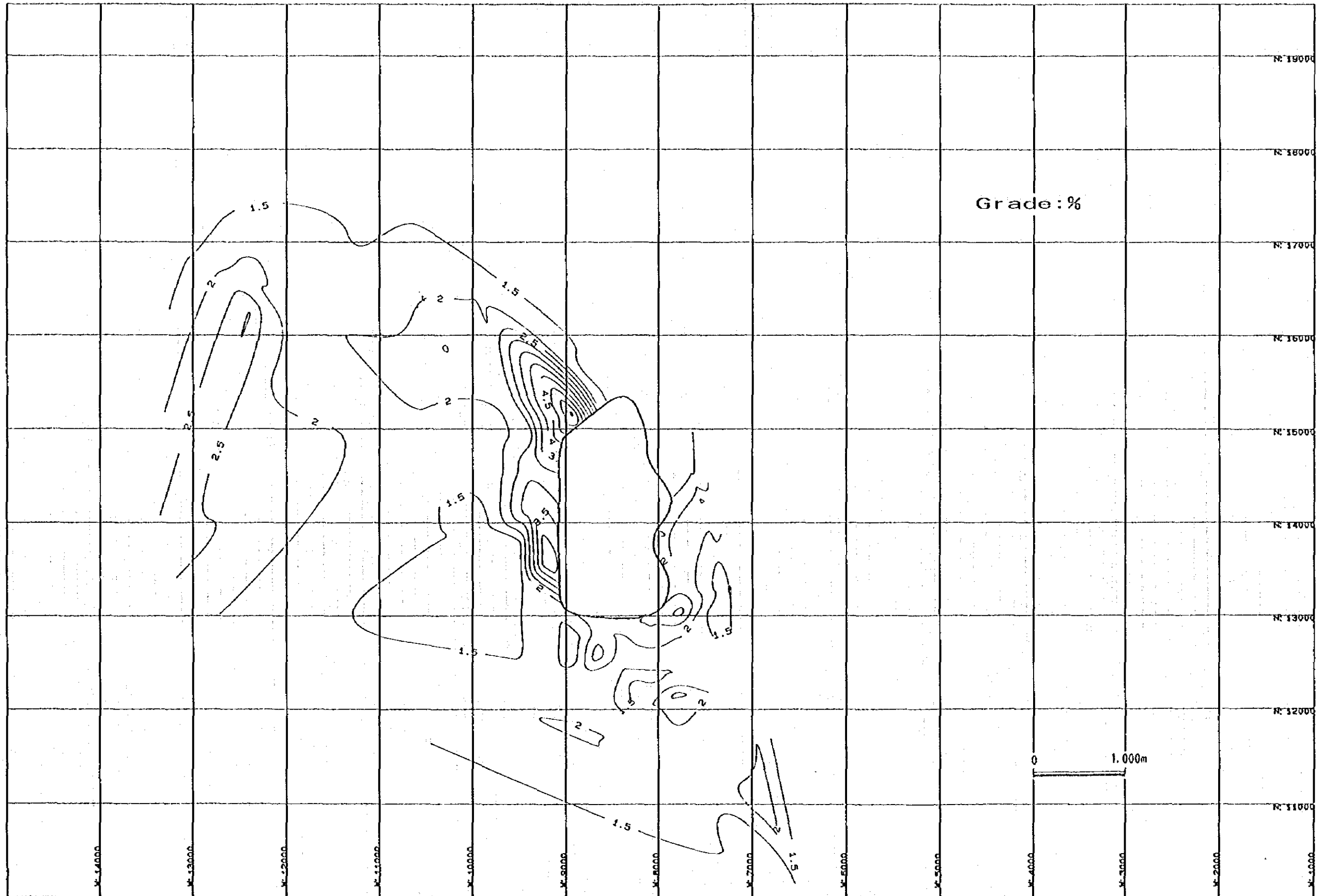
Block No	VOLUME(m3)	GRADE(%Co)	VOL *CoGR	Block No	VOLUME(m3)	GRADE(%Co)	VOL *CoGR	Block No	VOLUME(m3)	GRADE(%Co)	VOL *CoGR	
1	104514.6	0.03	3135.438	28	56669.35	0.08	4533.548	55	78675.62	0.11	8654.318	
2	81902.59	0.03	2457.078	29	85950.92	0.09	7735.583	56	87482.31	0.13	11372.96	
3	69978.15	0.03	2099.345	30	52257.74	0.11	5748.351	57	34251.8	0.08	2740.144	
4	67519.97	0.03	2025.599	31	42776.5	0.15	6416.475	58	92798.52	0.07	6495.896	
5	8494.82	0.03	254.8446	32	43344.87	0.2	8668.974	59	100712.9	0.27	27192.48	
6	73213.62	0.06	4392.817	33	54523.19	0.19	10359.41	60	79026	0.1	7902.6	
7	36375	0.04	1455	34	123815.7	0.17	21048.67	61	87965.32	0.13	11435.49	
8	2313.24	0.04	92.5296	35	74147.05	0.18	13346.47	62	91506.14	0.12	10980.74	
9	59953.47	0.08	4796.278	36	91350.12	0.19	17356.52	63	114751.5	0.11	12622.67	
10	14277.44	0.05	713.872	37	38759.38	0.09	3468.344	64	118688.1	0.1	11868.81	
11	468.15	0.04	18.726	38	55041.02	0.08	4403.282	65	102400.9	0.09	9216.081	
12	7927.8	0.07	554.946	39	78490.85	0.1	7848.085	66	112303.1	0.08	8984.243	
13	35220.31	0.16	5635.25	40	82644.77	0.12	9917.372	67	112845.9	0.12	13541.51	
14	140681	0.15	21102.15	41	71735.02	0.13	9325.553	68	114958.1	0.13	14944.55	
15	70333.17	0.14	9846.644	42	78696.52	0.16	12591.44	69	149655.59	0.14	20951.78	
16	65869.57	0.11	7245.653	43	107831	0.16	17252.96	70	110108.4	0.15	16516.26	
17	41084.12	0.09	3697.571	44	86597.8	0.16	13855.65	71	123985.5	0.15	18582.83	
18	15608.2	0.07	1092.574	45	76731.44	0.17	13044.34	72	115046.2	0.1	11504.62	
19	3996.87	0.06	239.8122	46	54102.74	0.14	7574.394	73	109425.3	0.18	19696.55	
20	54.68	0.06	3.2808	47	38069.62	0.11	4187.668	74	108362.6	0.19	20588.89	
21	20765.22	0.07	1453.565	48	90459.81	0.12	10855.18	75	100103.9	0.2	20020.78	
22	43492.87	0.07	3038.201	49	110796.1	0.12	13295.53	76	66070.79	0.17	11232.03	
23	1953.62	0.16	312.5792	50	64930.93	0.13	8441.021	77	45139.52	0.12	5416.742	
24	117400.1	0.18	21132.02	51	59596.74	0.14	8343.544	78	107526.3	0.17	18279.47	
25	116304.9	0.2	23260.98	52	59394.84	0.11	6599.432	79	4856.48	0.17	825.6016	
26	90565.38	0.16	14490.46	53	56917.4	0.12	6830.098					
27	31568.34	0.08	2525.467	54	66582.1	0.08	5326.568					
TOTALS												
										5593100	9.27	717035.2
										ARITH.AVGR		0.11734177
										AV.GRADE		0.12819997



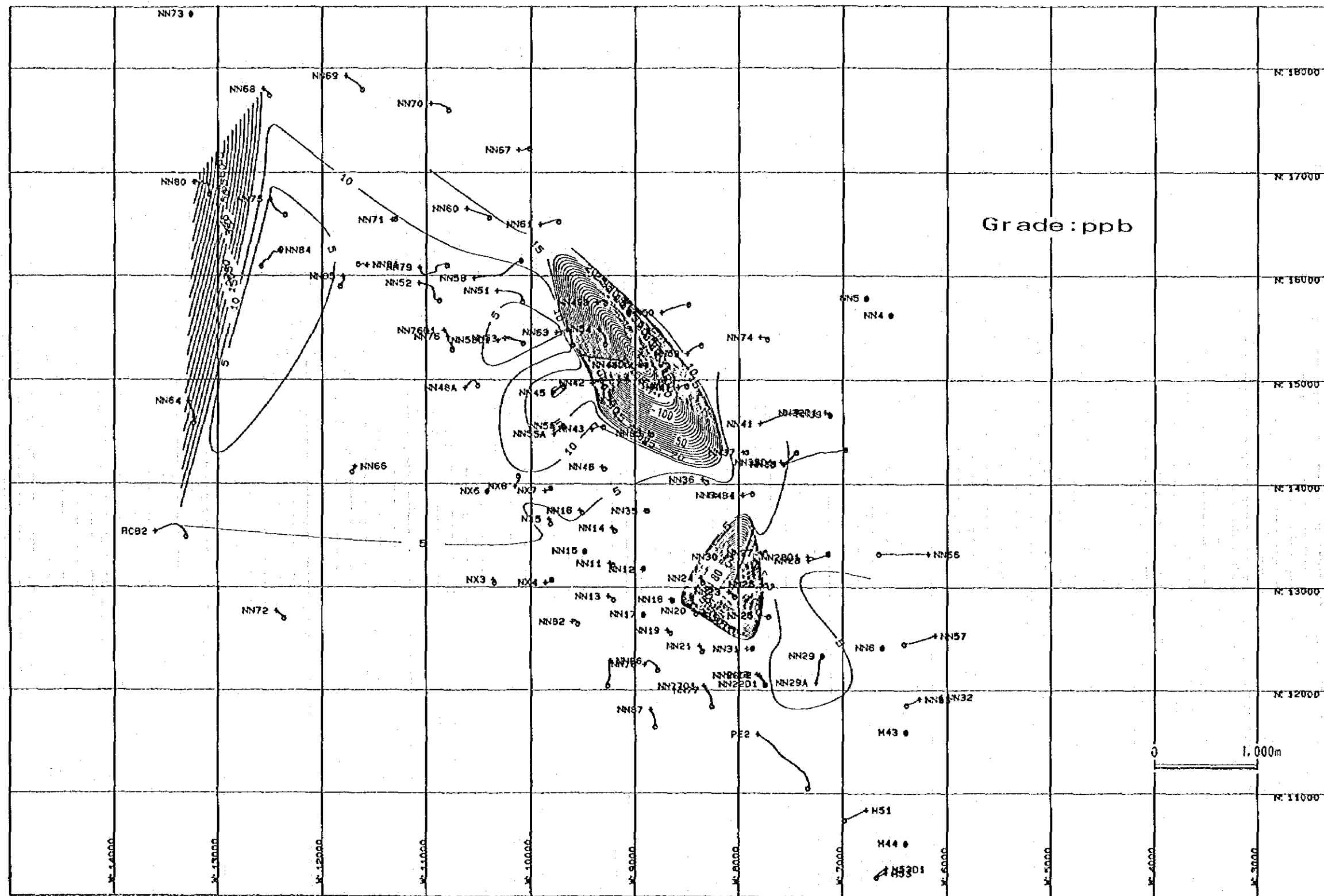
15. Footwall Elevation Contours of 0.5% Cu Mineralization



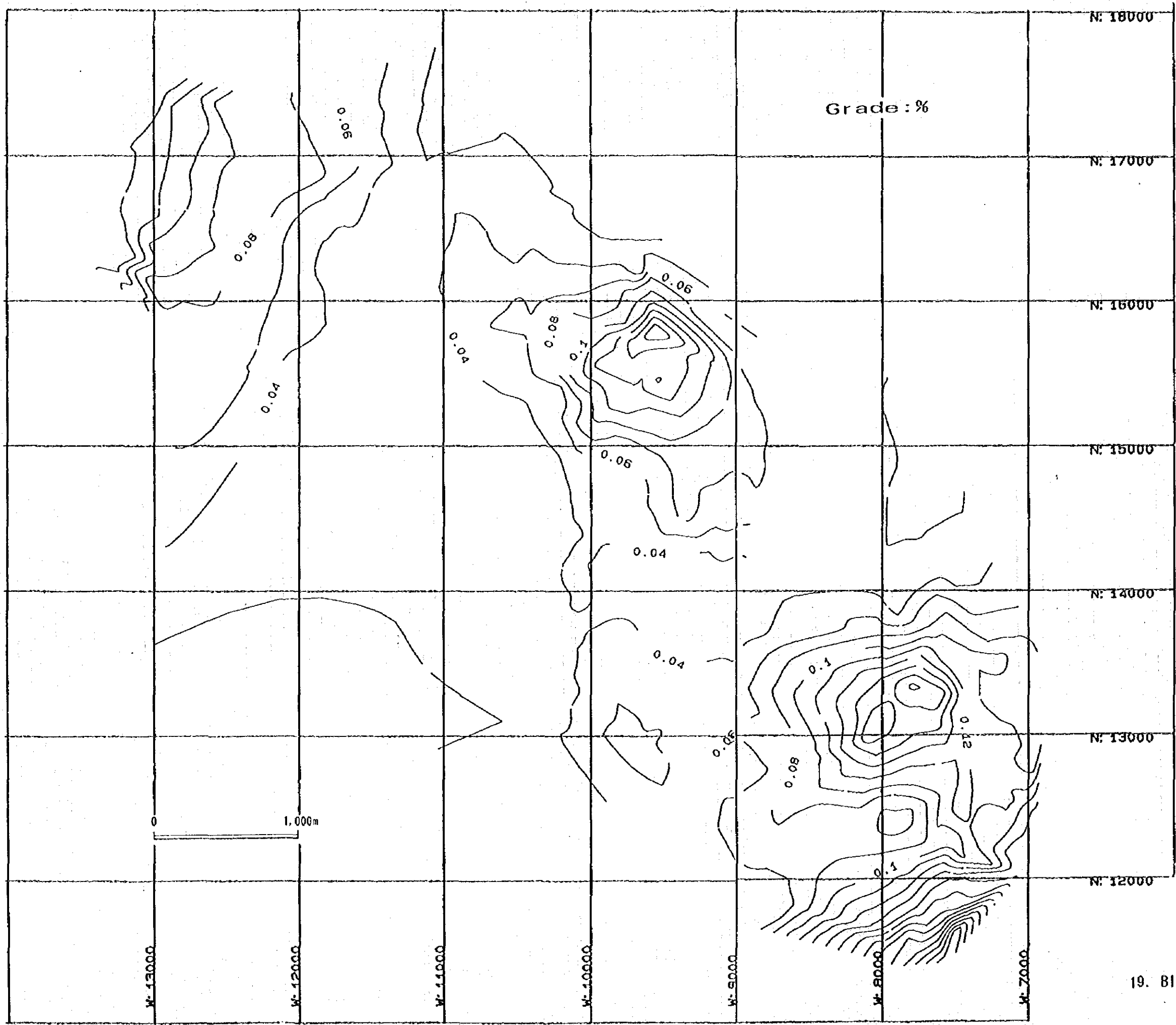
16. Basement Elevation Contours by LYNX



17. Copper Grades Contours



18. Gold Grades Contours



19. Block Cobalt Grade Contours

20 Gold and Silver in Core Composites (1)

ZAMBIA CONSOLIDATED COPPER MINES LTD CHAMBISHI SOUTHEAST CORE COMPOSITES GOLD AND SILVER RESULTS								
BH No	SAMPLE No	Au/B PFB	Ag PPM	Dup Au ppb	Dup Ag ppm	Au/FA OPT	DISTANCE	
							FROM	To
NN75	14101	6	<0.5				959.90	960.90
NN75	17680	<2	<0.5					961.90
NN75	17681							962.90
NN75	17682	6	<0.5					963.90
NN75	17683	<2	<0.5					964.90
NN75	17684	<2	<0.5					965.90
NN75	17685	4	<0.5					966.90
NN75	17686	4	<0.5					967.90
NN75	17687	2	<0.5					968.90
NN75	17688	4	<0.5					969.90
NN75	17689	6	<0.5					970.90
NN75	17690	4	<0.5					971.90
NN75	17691			2	<0.5			972.90
NN75	17692							973.90
NN75	17693	4	<0.5					974.90
NN75	17694	<2	<0.5					975.90
NN75	17695	<2	<0.5					976.90
NN75	17696	2	<0.5					977.90
NN75	17697							978.90
NN75	17698							979.90
NN75	17699							980.90
NN75	17700							981.66
NN61	14102	19	<0.5				991.30	992.30
NN61	14103	<2	<0.5					993.30
NN61	14104	<2	<0.5					994.30
NN61	14105	<2	<0.5	<2	<0.5			995.30
NN61	14106	<2	<0.5					996.30
NN61	14107	<2	<0.5					997.30
NN61	14108	<2	<0.5					998.30
NN61	14109	<2	<0.5					999.30
NN61	14110	<2	<0.5					1000.30
NN61	14111	19	<0.5					1001.30
NN61	14112	110	<0.5					1002.30
NN61	14113	25	<0.5					1003.30
NN61	14114	41	<0.5					1004.30
NN61	14115	51	<0.5					1005.30
NN61	14116	14	<0.5					1006.30
NN42	14117	<2	<0.5				788.42	789.42
NN42	14118	<2	<0.5					790.42
NN42	14119	4	<0.5					791.42
NN42	14120	8	<0.5					792.42
NN42	14121	19	<0.5	19	<0.5			793.42
NN42	14122	14	<0.5					794.42
NN42	14123	115	<0.5					795.42
NN42	14124	14	<0.5					796.42
NN42	14125	19	<0.5					797.42
NN42	14126	29	<0.5					798.42
NN42	14127	14	<0.5					799.42
NN42	14128	8	<0.5					800.42
NN42	14129	12	<0.5					801.42
NN42	14130	6	<0.5					802.42
NN42	14131	14	<0.5					803.42
NN42	14132	12	<0.5					804.42
NN42	14133	16	<0.5					805.42
NN42	14134	21	<0.5					806.42
NN42	14135	16	<0.5					807.42
NN51	14136	4	<0.5				1017.60	1018.60
NN51	14137	2	<0.5					1019.60
NN51	14138	<2	<0.5					1020.60
NN51	14139	<2	<0.5					1021.60
NN51	14140	<2	<0.5					1022.60
NN51	14141	6	<0.5					1023.60
NN51	14142	8	<0.5					1024.60
NN51	14143	6	<0.5					1025.60
NN51	14144	<2	<0.5					1026.60
NN51	14145	6	<0.5					1027.60
NN51	14146	4	<0.5					1028.60
NN51	14147	4	<0.5					1029.60
NN51	14148	10	<0.5					1030.60
NN51	14149	10	<0.5					1031.60
NN51	14150	12	<0.5					1032.60
NN51	14151	10	<0.5					1033.60
NN51	14152	4	<0.5					1034.50
NN68	14153	8	<0.5				784.07	785.07
NN68	14154	6	<0.5					786.07
NN68	14155	49	2.5					787.07
NN68	14156	56	4					788.07
NN68	14157	<2	<0.5					789.07
NN68	14158	4	<0.5					790.07
NN68	14159	<2	<0.5					791.07
NN68	14160	4	<0.5					792.07
NN68	14161	4	<0.5					793.07
NN68	14162	6	<0.5					794.07

20 Gold and Silver in Core Composites (2)

ZAMBIA CONSOLIDATED COPPER MINES LTD								
CHAMBISHI SOUTHEAST CORE COMPOSITES								
GOLD AND SILVER RESULTS								
SH No	SAMPLE No	Au/B PPB	Ag PPM	Dup Au ppb	Dup Ag ppm	Au/FA OPT	DISTANCE	
							FROM	To
NN68	14163	8	<0.5					795.07
NN68	14164	6	<0.5					796.07
NN68	14165	10	<0.5					797.07
NN68	14166	4	<0.5					798.07
NN68	14167	2	<0.5					799.07
NN68	14168	6	<0.5					800.07
NN68	14169	8	<0.5					801.07
NN68	14170	4	<0.5					802.07
NN68	14171	16	2					803.07
NN68	14172	4	<0.5					803.55
NN63	14173	4	<0.5				898.90	899.90
NN63	14174	2	<0.5					900.90
NN63	14175	<2	<0.5					901.90
NN63	14176	<2	<0.5					902.90
NN63	14177	<2	<0.5					903.90
NN63	14178	<2	<0.5					904.90
NN63	14179	<2	<0.5					905.90
NN63	14180	<2	<0.5					906.90
NN63	14181	4	<0.5					907.90
NN63	14182	6	<0.5	2	<0.5			908.90
NN63	14183	6	<0.5					909.90
NN63	14184	6	<0.5					910.90
NN63	14185	4	<0.5					911.90
NN63	14186	4	<0.5					912.90
NN63	14187	8	<0.5					913.90
NN63	14188	6	<0.5					914.90
NN63	14189	2	<0.5					915.90
NN63	14190	6	<0.5					916.90
NN63	14191	6	<0.5					917.90
NN63	14192	4	<0.5					918.60
NN41	14193	2	<0.5				788.20	789.20
NN41	14194	2	<0.5					790.20
NN41	14195	2	<0.5					791.20
NN41	14196	<2	<0.5					792.20
NN41	14197	<2	<0.5					793.20
NN41	14198	<2	<0.5					794.20
NN41	14199	<2	<0.5					795.20
NN41	14200	<2	<0.5					796.20
NN41	18201	4	<0.5	2	<0.5			797.20
NN41	16580	6	<0.5					798.20
NN41	16581	39	<0.5					799.20
NN41	16582	275	1					800.20
NN41	18205	4	<0.5					801.20
NN41	18206	2	<0.5					802.20
NN41	18207	4	<0.5					803.20
NN41	18208	2	2					804.20
NN41	18209	4	<0.5					804.60
NN41	18210	21	<0.5					
NN41	18211	8	1					
NN13	18401	4	<0.5				545.43	546.43
NN13	18402	4	<0.5					547.43
NN13	18403	2	7	<2	<0.5			548.43
NN13	18404	2	<0.5					549.43
NN13	18405	4	<0.5					550.53
NN13	18406	6	<0.5					551.60
NN13	18297	4	<0.5				541.43	542.43
NN13	18298	6	<0.5					543.43
NN13	18299	4	1					544.43
NN13	18300	4	<0.5					545.43
NN78	18407	6	<0.5				650.99	651.99
NN78	18408	2	<0.5					652.99
NN78	18409	2	<0.5					653.99
NN78	18410	<2	<0.5					654.99
NN78	18411	4	<0.5					655.99
NN78	18412	4	<0.5					656.99
NN18	18413	<2	<0.5				541.11	542.11
NN18	18414	<2	<0.5					543.11
NN18	18415	<2	<0.5					544.11
NN18	18416	<2	<0.5					545.11
NN18	18417	<2	<0.5					546.11
NN18	18418	4	<0.5					547.11
NN18	18419	8	<0.5					548.11
NN18	18420	14	<0.5					549.11
NN18	18421	2	<0.5					550.11
NX5	18422	2	<0.5				504.28	505.28
NX5	18423	<2	<0.5					506.28
NX5	18424	2	<0.5	2	<0.5			507.28
NX5	18425	2	<0.5					508.28
NX5	18426	4	<0.5					509.58
NX5	18427	<2	<0.5					510.93
NN2202	18428	<2	<0.5				663.76	664.76
NN2202	18429	12	<0.5					665.76
NN2202	18430	10	<0.5					666.76

20 Gold and Silver in Core Composites (3)

ZAMBIA CONSOLIDATED COPPER MINES LTD CHAMBISHI SOUTHEAST CORE COMPOSITES GOLD AND SILVER RESULTS								
BH No	SAMPLE No	Au/B PPB	Ag PPM	Dup Au ppb	Dup Ag ppm	Au/FA OPT	DISTANCE	
							FROM	To
NN22D2	18431	6	<0.5					667.76
NN22D2	18432	12	<0.5					668.76
NN22D2	18433	8	<0.5					669.76
NN22D2	18434	2	<0.5					670.76
NN22D2	18435	8	<0.5					671.76
NN23	18436	270	5.6				444.69	445.69
NN23	18437	250	4.5	300	3			446.69
NN23	18438	230	5					447.69
NN23	18439	4	<0.5					448.69
NN23	18440	150	2.5					449.69
NN23	18441	74	<0.5					450.69
NN23	18442	99	1					451.69
NN23	18443	255	2.5					452.69
NN23	18444	180	1.5					453.69
NN44D1	18445	4	<0.5				777.50	778.50
NN44D1	18446	14	1.5					779.50
NN44D1	18447	12	<0.5					780.50
NN44D1	18448	10	1					781.50
NN44D1	18449	>2 PPM	5			0.021		782.50
NN44D1	18450	23	2					783.50
NN44D1	18451	43	6.5					784.50
NN44D1	18452	100	14					785.50
NN44D1	18453	10	<0.5					786.50
NN44D1	18454	16	2					787.50
NN44D1	18455	2	<0.5					788.50
NN44D1	18456	4	<0.6					789.50
NN44D1	18457	2	<0.5					790.50
NN44D1	18458	97	<0.5					791.50
NN44D1	18459	54	<0.5					792.50
NN44D1	18460	25	<0.5					793.50
NN44D1	18461	16	<0.5					794.50
NN44D1	18462	54	<0.5					795.50
NN44D1	18463	25	<0.5					796.50
NN44D1	18464	16	<0.5					797.50
NN44D1	18465	43	1.5					798.50
NN32	18466	2	<0.5				20.72	21.72
NN32	18467	<2	<0.5					23.16
NN31	18468	4	<0.5				552.41	553.41
NN31	18469	6	<0.5					554.41
NN31	18470	2	<0.5					555.41
NN31	18471	4	<0.5					556.41
NN31	18472	2	<0.5					557.41
NN31	18473	8	<0.5					558.41
NN29A	18474	8	<0.5				1240.63	1241.63
NN29A	18475	8	<0.5					1242.63
NN29A	18476	17	<0.5					1243.63
NN29A	18477	4	<0.5					1244.63
NN29A	18478	10	<0.5					1245.63
NN29A	18479	14	<0.5	23	<0.5			1246.63
NN29A	18480	2	<0.5					1247.63
NN29A	18481	4	<0.5					1248.63
NN29A	18482	4	<0.5					1249.63
NN29A	18483	4	<0.5					1250.63
NN29A	18484	10	<0.5					1251.63
NN29A	18485	6	<0.5					1252.63
NN29A	18486	4	<0.5					1253.63
NN29A	18487	8	<0.5					1254.73
DX7	18488	4	<0.5	<2	<0.5		506.08	507.08
DX7	18489	6	<0.5					508.08
DX7	18490	8	<0.5					509.08
DX7	18491	6	<0.5					510.08
DX7	18492	10	<0.5					511.08
DX7	18493	23	<0.5					511.84
NN40	18494	6	<0.5				923.34	924.34
NN40	18495	25	3					925.34
NN40	18496	19	1.5					926.34
NN40	18497	4	<0.5					927.34
NN40	18498	2	<0.5					928.34
NN40	18499	6	<0.5					929.34
NN40	18500	2	<0.5					930.34
NN40	18501	6	<0.5					931.34
NN40	18502	6	<0.5					932.34
NN40	18503	12	<0.5					933.34
PE2	18212	6	1				1418.90	1419.90
PE2	18213	2	<5					1420.90
PE2	18214	2	1.6					1421.90
PE2	18215	4	<5					1422.90
PE2	18216	8	<5					1423.90
NN19	18217	2	1				599.97	600.97
NN19	18218	4	<5					601.97
NN19	18219	<2	<5					602.97
NN19	18220							603.97
NN19	18221	8	<5					604.97

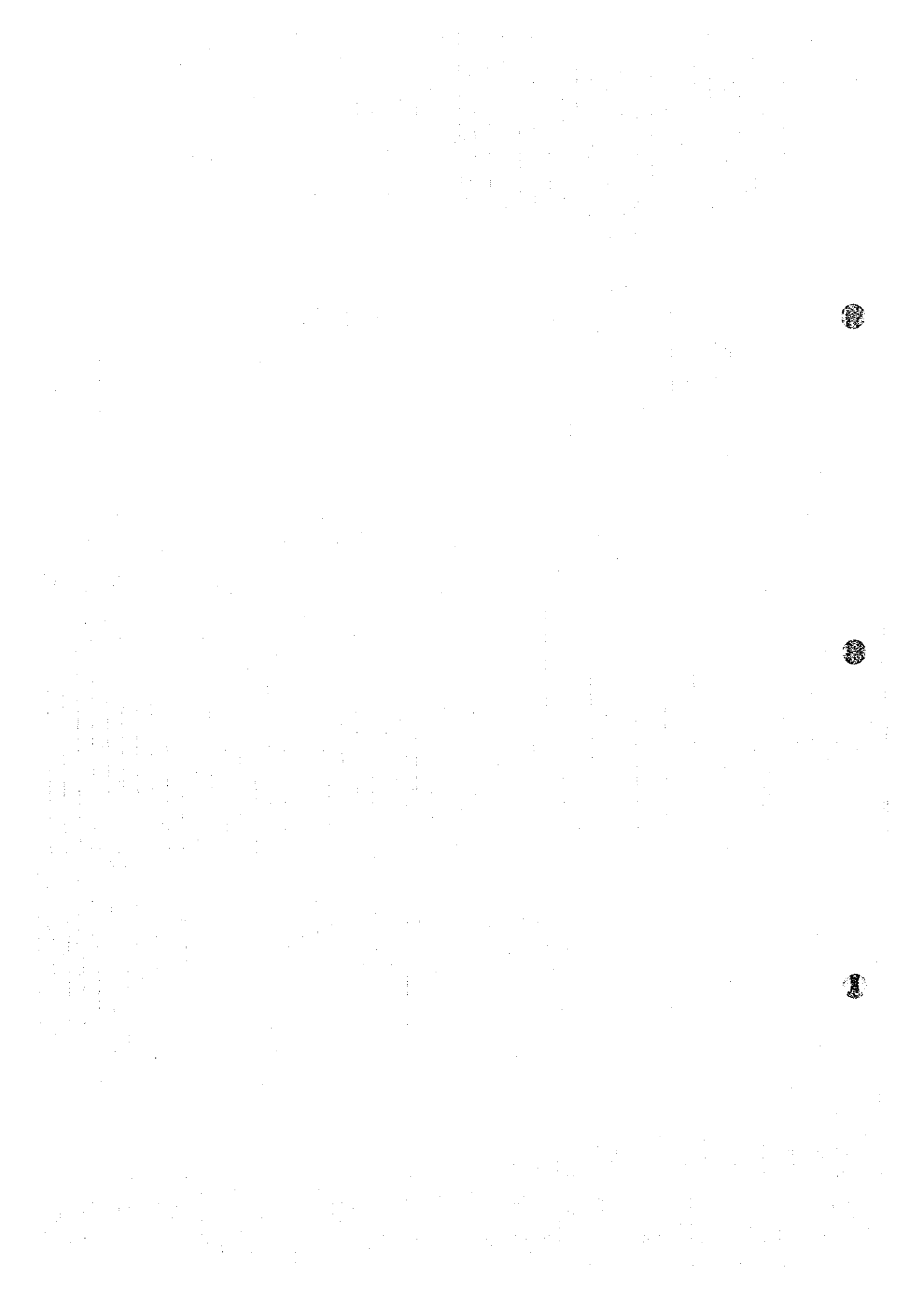
20 Gold and Silver in Core Composites (4)

ZAMBIA CONSOLIDATED COPPER MINES LTD CHAMBISHI SOUTHEAST CORE COMPOSITES GOLD AND SILVER RESULTS									
SH No	SAMPLE No	Au/B PPB	Ag PPM	Dup Au ppb	Dup Ag ppm	Au/FA OPT	DISTANCE		
							FROM	To	
NN19	18222	4	<5					605.97	
NN19	18223	4	<5					606.97	
NN80	18224	2	<5				976.56	977.56	
NN80	18225	<2	<5					978.56	
NN80	18226	86	1.5					979.56	
NN50	18227	175	1.5					980.56	
NN80	18228	87	2					981.56	
NN80	18229	135	4.5					982.56	
NN80	18230	210	8					983.56	
NN80	18231	82	3.5					984.56	
NN81	18232	8	<5				948.45	949.45	
NN81	18233	12	<5					950.45	
NN81	18234	6	<5					951.45	
NN81	18235	2	<5					952.45	
NN81	18236	2	<5					953.45	
NN81	18237	<2	<5					954.45	
NN81	18239	2	<5					955.45	
NN38D1	18239	10	1.5				705.68	706.68	
NN38D1	18240							707.68	
NN38D1	18241	2	1					708.68	
NN38D1	18242	2	<5					709.68	
NN38D1	18243	<2	<5					710.68	
NN38D1	18244	<2	<5					711.68	
NN38D1	18245	<2	<5					712.68	
NN20	18246	4	<5				472.47	473.47	
NN20	18247	<2	<5					474.47	
NN20	18248	<2	<5					475.47	
NN20	18249	4	<5	4	<5			476.47	
NN20	18250	4	<5					477.47	
NN20	18251	6	<5					478.47	
NN20	18252	2	<5					479.47	
NN20	18253	<2	<5					480.47	
NN20	18254	2	<5					481.47	
NX6	18255	4	1				687.27	688.27	
NX6	18256	2	1					689.27	
NX6	18257	4	<5					690.27	
NX6	18258	33	<5					691.27	
NX6	18259	10	<5					692.27	
NN34D1	18260	<2	<5				500.77	501.77	
NN34D1	18261	<2	<5					502.77	
NN34D1	18262	<2	1					503.77	
NN34D1	18263	2	1					504.77	
NN34D1	18264	<2	<5					505.77	
NN34D1	18265	2	1					506.77	
NN34D1	18266	<2	<5					507.77	
NN34D1	18267	4	<5					508.77	
NN34D1	18268	16	<5					510.63	
NN11	18269	<2	<5				504.92	505.92	
NN11	18270	<2	<5					506.92	
NN11	18271	<2	2.5					507.92	
NN11	18272	2	4					508.92	
NN11	18273	<2	4					509.92	
NN11	18274	2	<5					510.92	
NN11	18275	<2	<5					511.92	
NN11	18276	<2	<5					512.97	
NN15	18277	<2	<5				487.01	488.01	
NN15	18278	<2	<5					489.01	
NN15	18279	<2	1					490.01	
NN15	18280	8	2.5					491.01	
NN15	18281	<2	<5					492.01	
NN15	18282	2	<5					493.01	
NN15	18283	<2	<5					494.01	
NN15	18284	6	1					495.99	
NN27	18285	2	<5				446.74	447.74	
NN27	18286	6	<5					448.74	
NN27	18287	8	<5					449.74	
NN27	18288	6	<5					450.74	
NN27	18289	8	<5					451.74	
NN27	18290	4	<5					452.47	
NN25	18291	6	<5				522.97	523.97	
NN25	18292	<2	<5					524.97	
NN25	18293	2	<5					525.97	
NN25	18294	8	<5					526.97	
NN25	18295	2	<5					527.97	
NN25	18296	2	<5					529.74	
RCB2	17601	<2	<5				1279.16	1280.16	
RCB2	17602	<2	<5					1281.16	
RCB2	17603	<2	<5					1282.16	
RCB2	17604	<2	<5					1283.16	
RCB2	17605	<2	<5					1284.16	
RCB2	17606	<2	<5					1285.16	
RCB2	17607	<2	<5					1286.16	
RCB2	17608	<2	<5					1287.16	

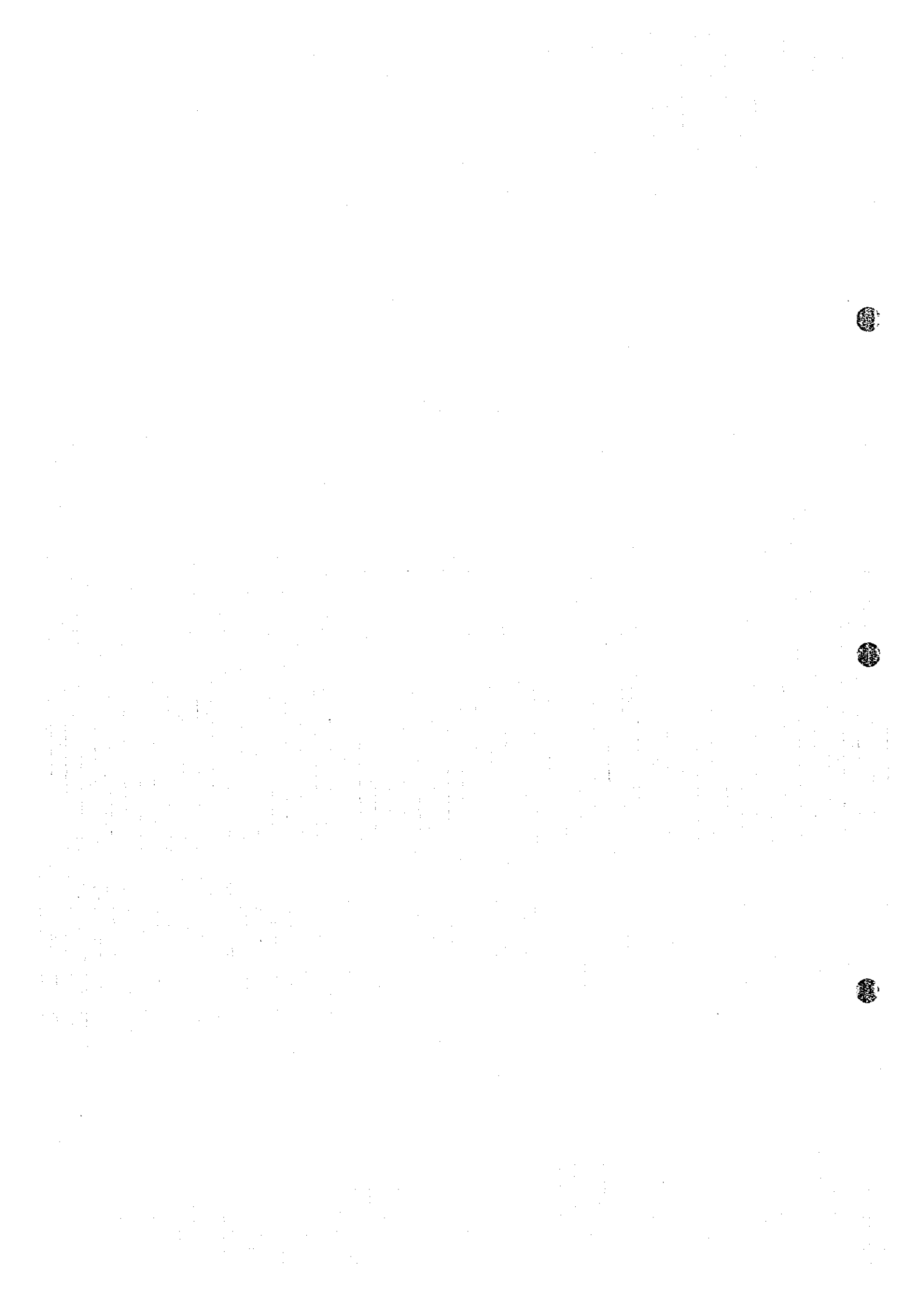
20 Gold and Silver in Core Composites (5)

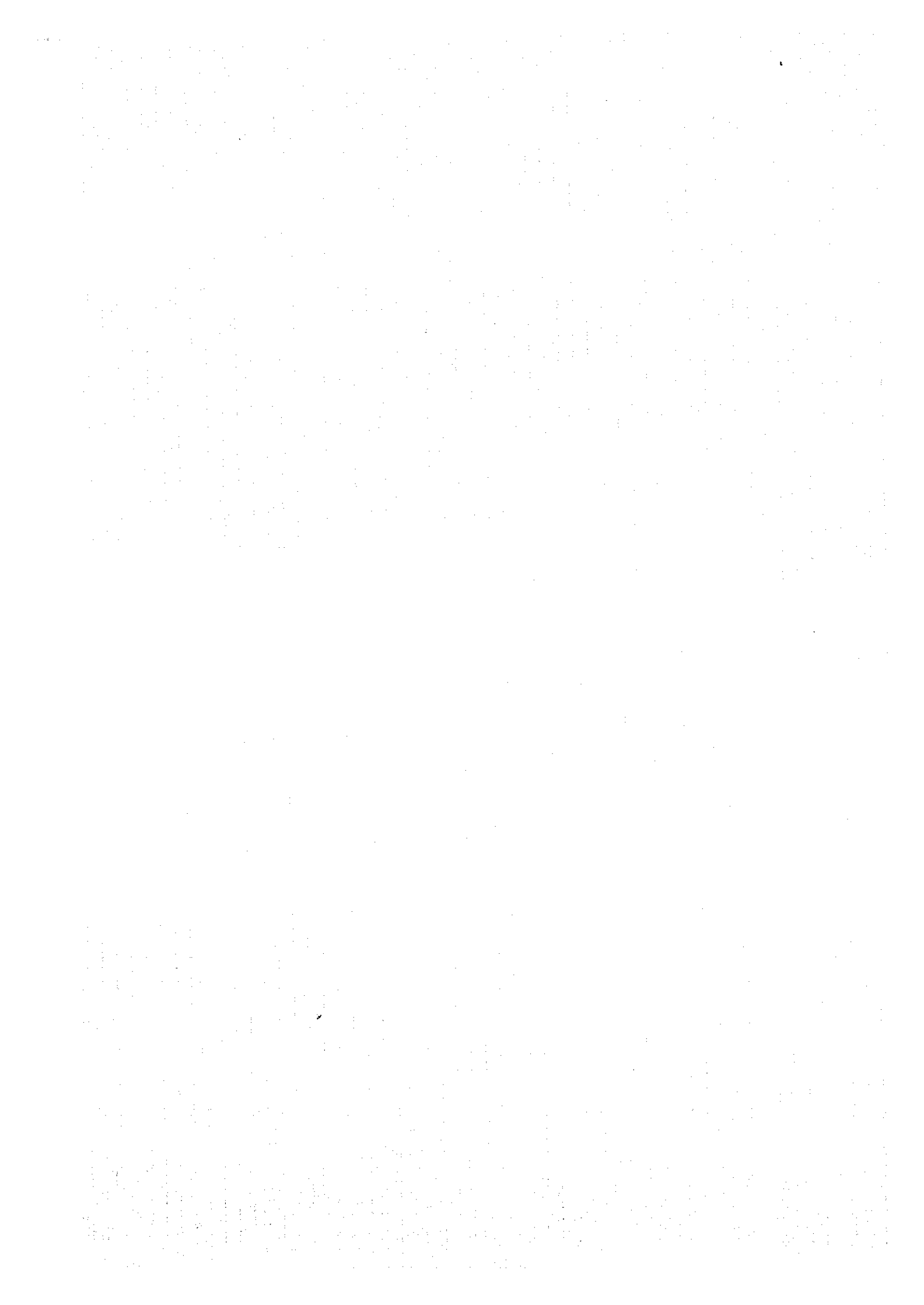
ZAMBIA CONSOLIDATED COPPER MINES LTD CHAMBISHI SOUTHEAST CORE COMPOSITES GOLD AND SILVER RESULTS								
BH No	SAMPLE No	Au/B PPB	Ag PPM	Dup Au ppb	Dup Ag ppm	Au/FA OPT	DISTANCE	
							FROM	To
RCB2	17609	<2	2					1288.16
RCB2	17610	<2	<5					1289.16
RCB2	17611	4	<5					1290.16
RCB2	17612	54	<5					1291.16
RCB2	17613	4	<5					1292.16
RCB2	17614	4	<5					1293.16
RCB2	17615	<2	1					1293.80
RCB2	17616	<2	<5					1284.20
NN43	17617	6	<5				687.85	688.85
NN43	17618	33	<5					689.85
NN43	17619	14	<5					690.85
NN43	17620	14	<5					691.85
NN43	17621	6	<5					692.85
NN43	17622	6	<5	4	<5			693.85
NN43	17623	10	<5					694.85
NN43	17624	10	<5					695.85
NN43	17625	8	<5					696.85
NN43	17626	4	<5					697.85
NN43	17627	<2	<5					698.85
NN43	17628	6	<5					699.85
NN43	17629	10	<5					698.85
NN43	17630	<2	<5					699.85
NN48A	17631	6	<5				801.04	802.04
NN48A	17632	4	<5					803.04
NN48A	17633	4	<5					804.04
NN48A	17634	6	1.5					805.04
NN48A	17635	<2	<5					806.04
NN48A	17636	<2	<5					807.04
NN48A	17637	<2	<5					808.04
NN48A	17638	<2	<5					809.04
NN48A	17639	<2	<5					810.04
NN48A	17640	4	<5					811.04
NN48A	17641	6	<5					812.04
NN48A	17642	6	<5	2	<5			813.04
NN48A	17643	10	<5					814.36
NN48A	17644	23	<5					815.68
NN48A	17645	14	<5					815.80
NN45	17646	14	<5				718.75	719.75
NN45	17647	12	<5					720.75
NN45	17648	<2	<5					721.75
NN45	17649	23	<5					722.75
NN45	17650	51	<5					723.75
NN45	17651	35	<5					724.75
NN45	17652	29	<5					725.75
NN45	17653	33	<5					726.75
NN45	17654	25	<5					727.75
NN45	17655	23	<5					728.75
NN45	17656	4	<5					729.75
NN45	17657	8	<5					730.75
NN45	17658	25	<5					731.75
NN45	17659	25	1					732.75
NN45	17660	6	<5					733.75
NN45	17661	17	<5					734.75
NN45	17662	25	<5					735.75
NN45	17663	14	1					736.75
NN45	17664	39	1.5					737.75
NN45	17665	19	1					739.75
NN45	17666	23	<5					739.75
NN45	17667	39	2.5					740.75
NN45	17668	21	0.5					740.90
NN59	17669	4	<5				668.50	669.50
NN59	17670	4	<5					670.50
NN59	17671	25	<5					671.50
NN59	17672	10	<5					672.50
NN59	17673	4	<5					673.50
NN59	17674	8	<5					674.50
NN59	17675	4	<5					675.50
NN59	17676	4	<5					676.50
NN59	17677	8	<5					677.50
NN59	17678	6	<5					678.50
NN59	17679	4	<5					679.50

NOTE All results from Rocky Mountain Geochemical Corporation, USA
OPT=Ounce per ton









N18000

N18000

N13000

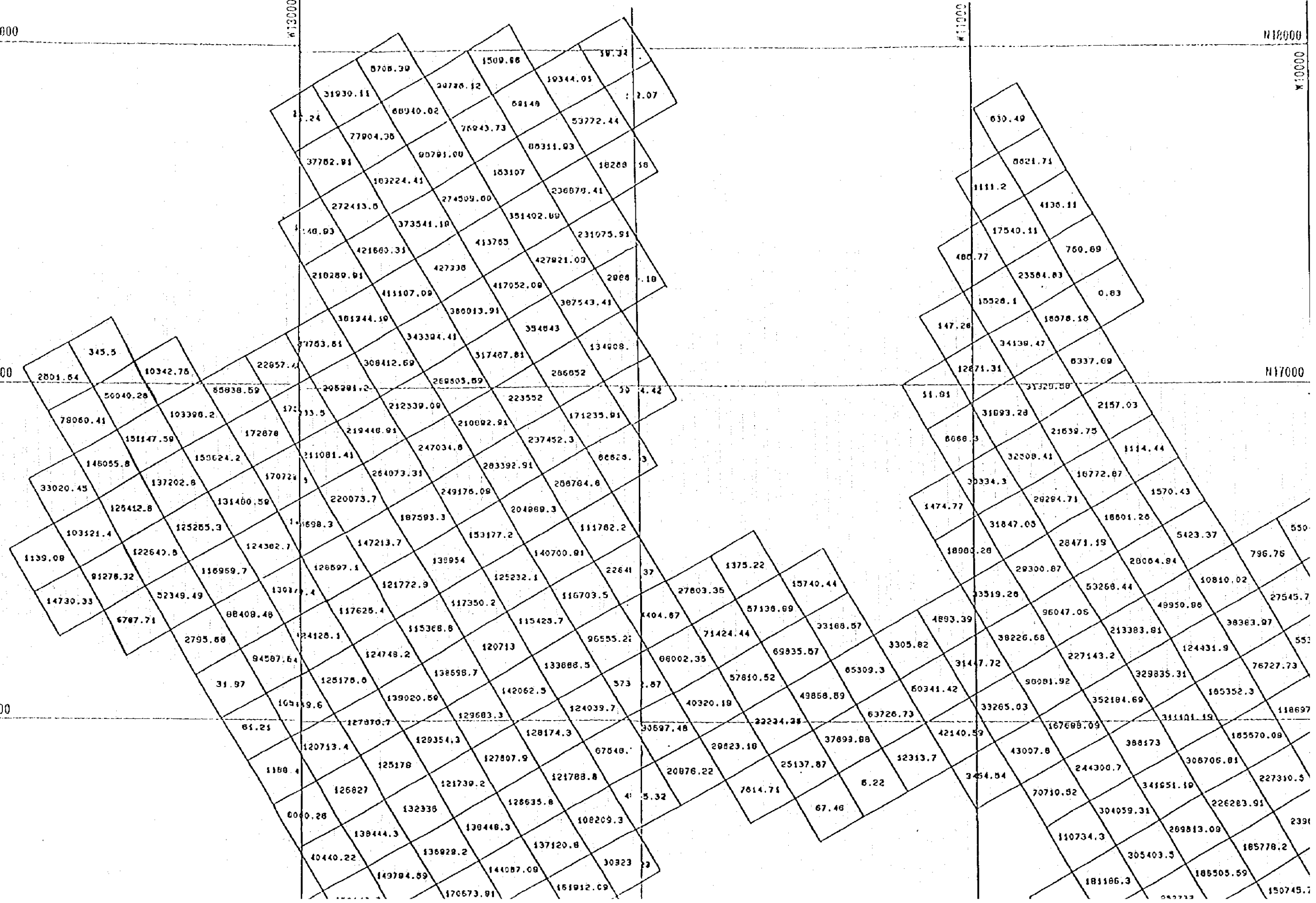
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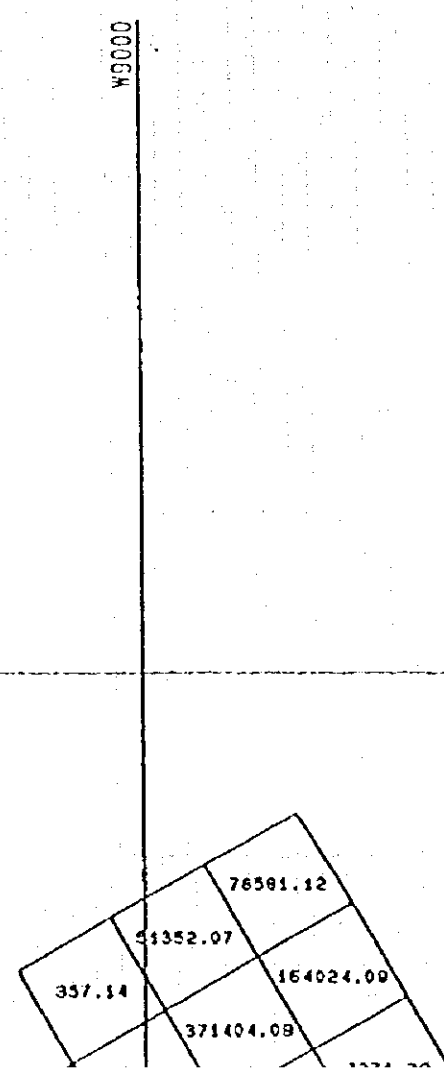
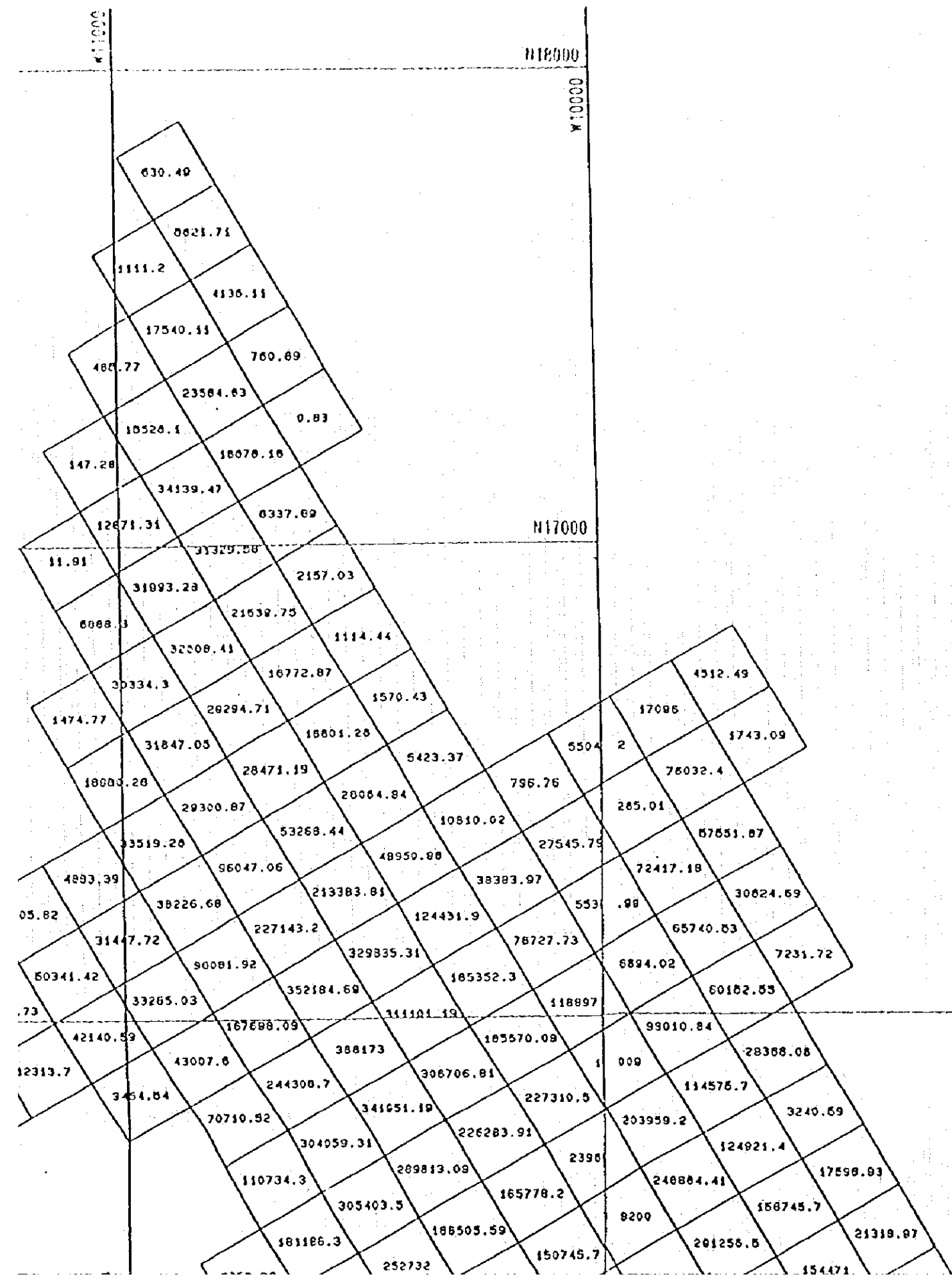
N10000

N17000

N17000

N16000





W8000

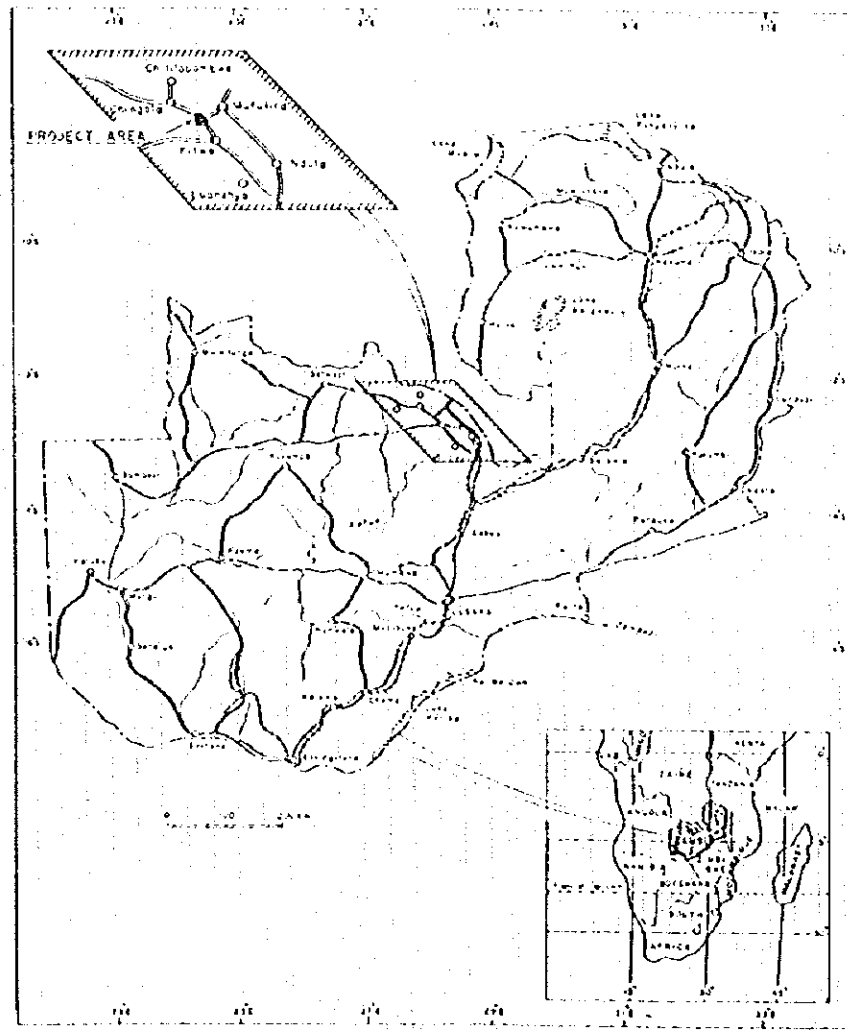
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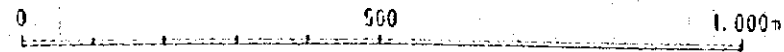
REPORT ON THE COOPERATIVE MINERAL EXPLORATION
IN
THE CHAMBISHI SOUTHEAST AREA,
THE REPUBLIC OF ZAMBIA

Chambishi Southeast Project Block Volumes

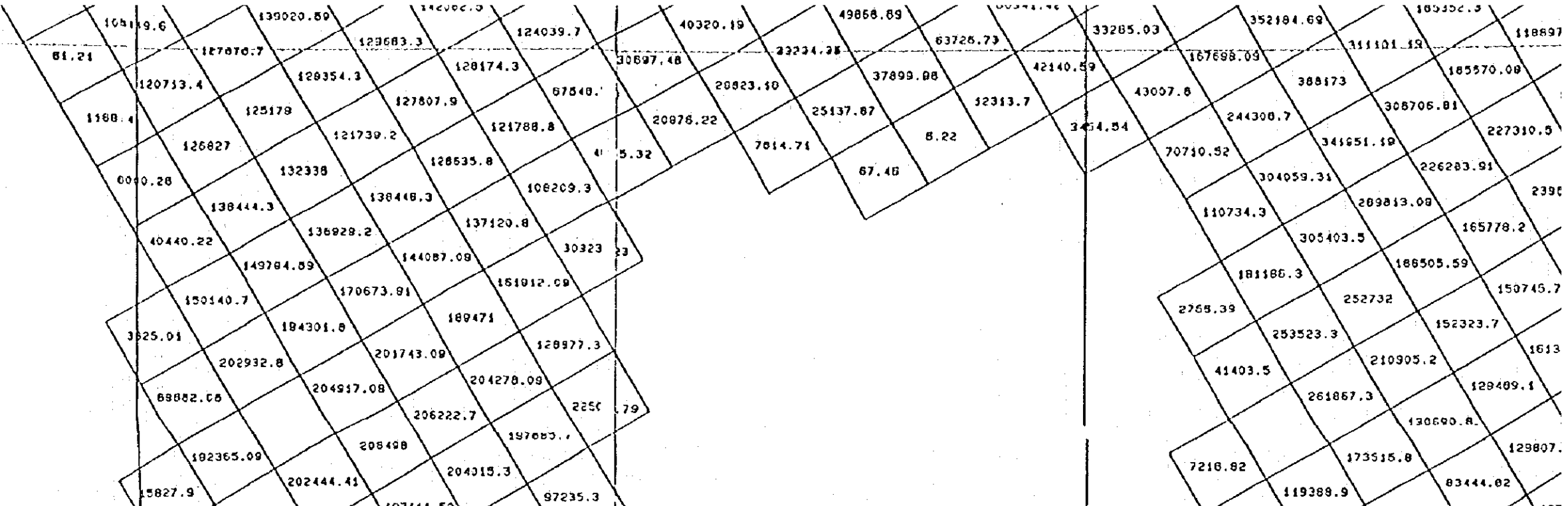


FEBRUARY 1996

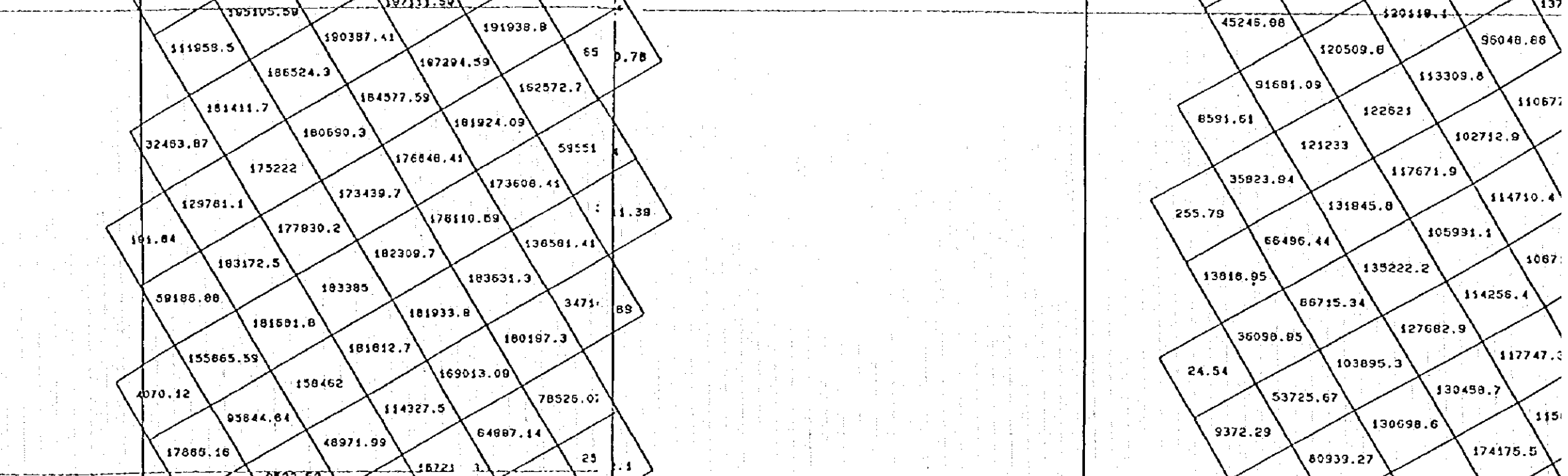
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN



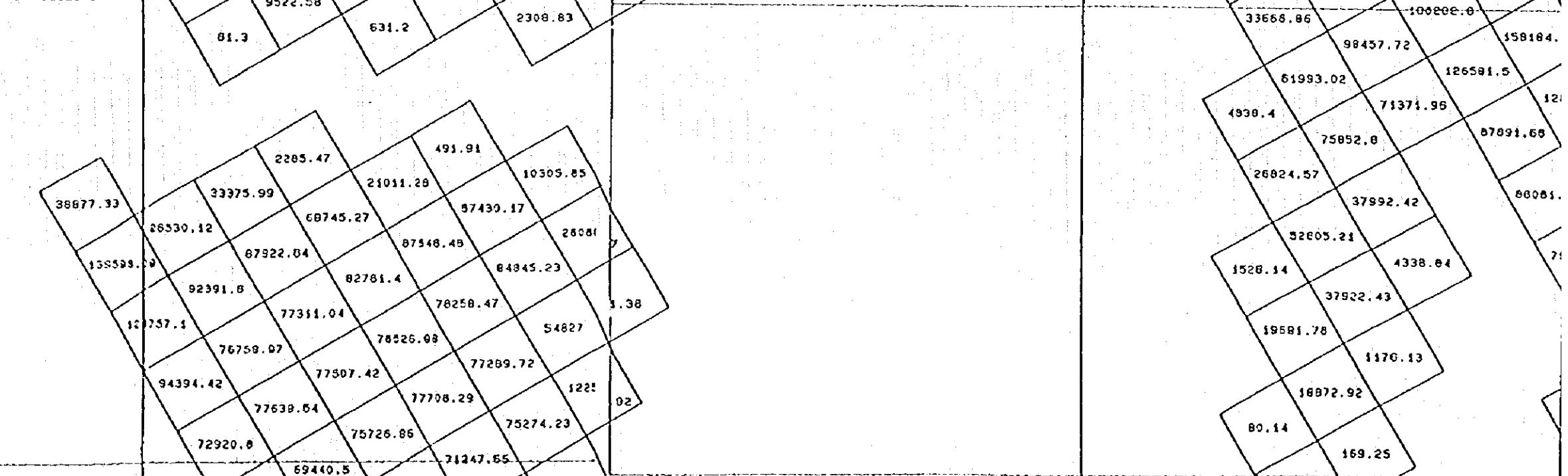
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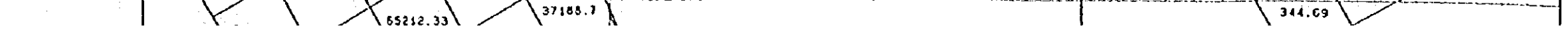
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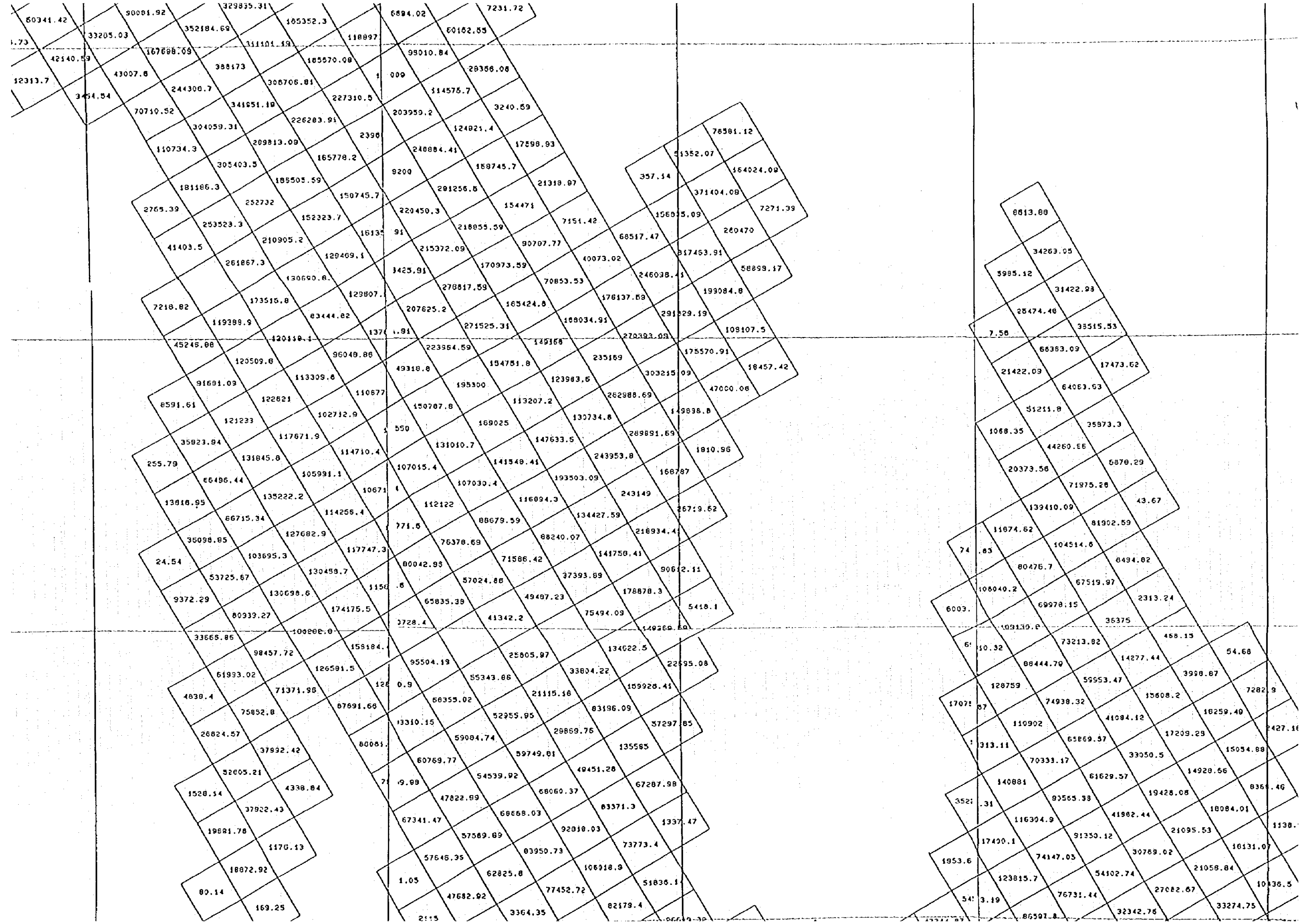


N14000



N13000





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N16000

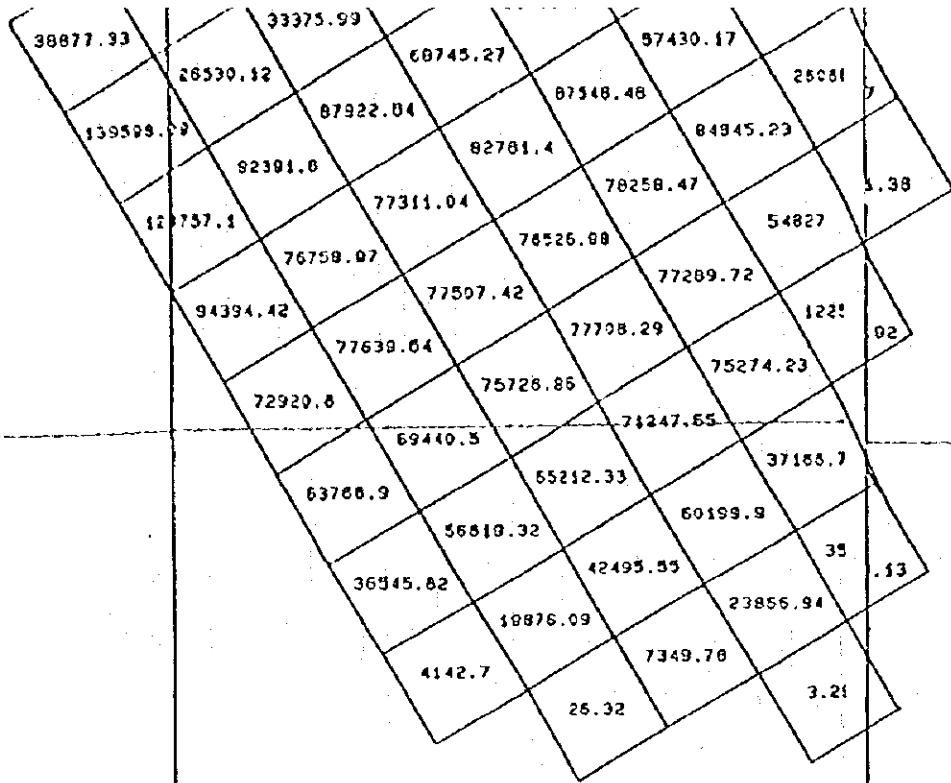
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N14000

N13000

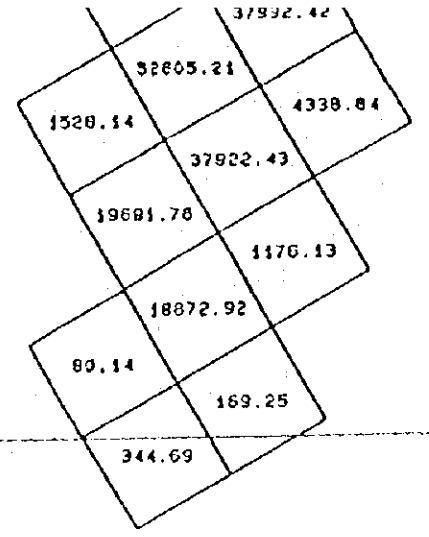
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N13000



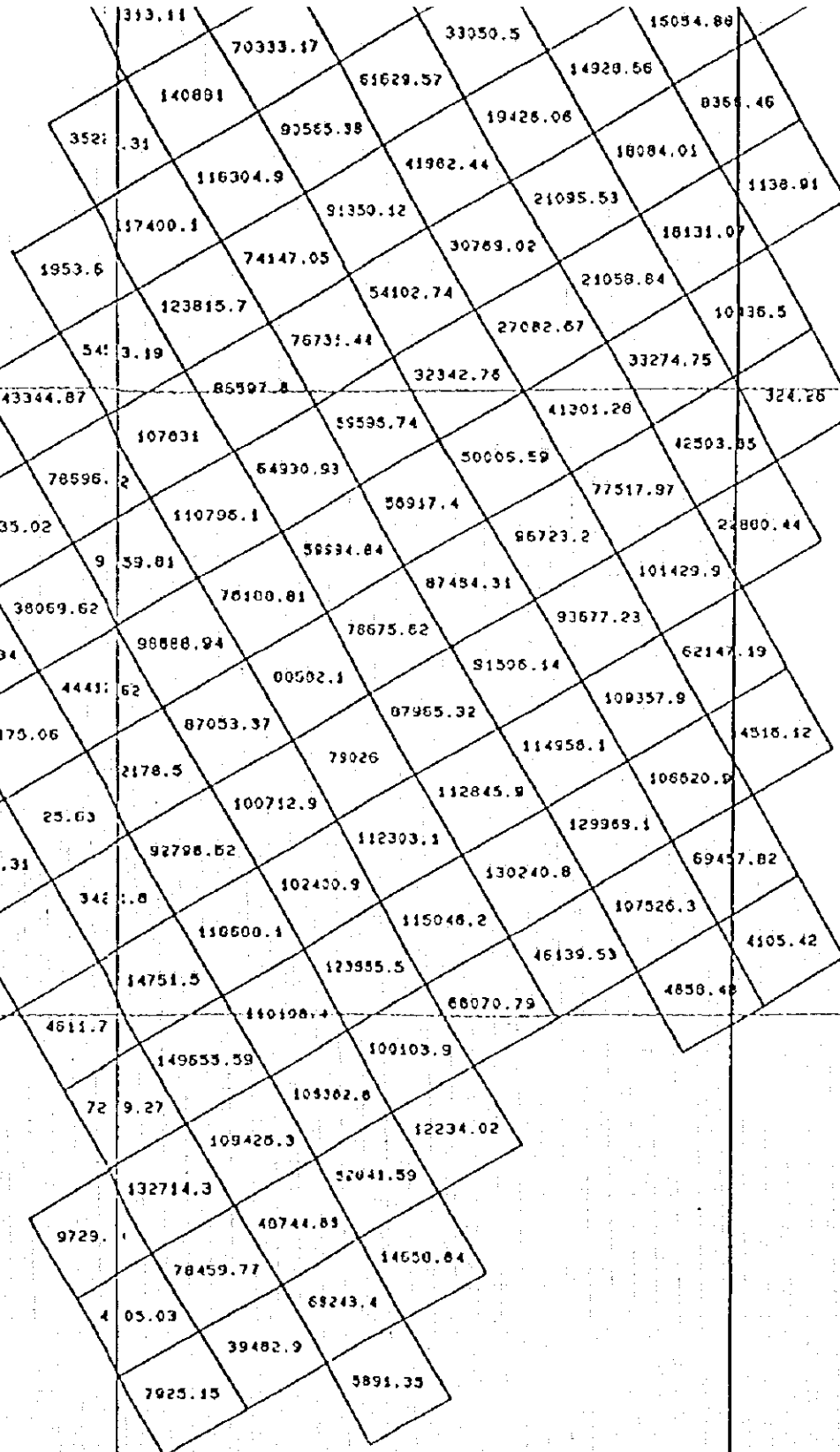
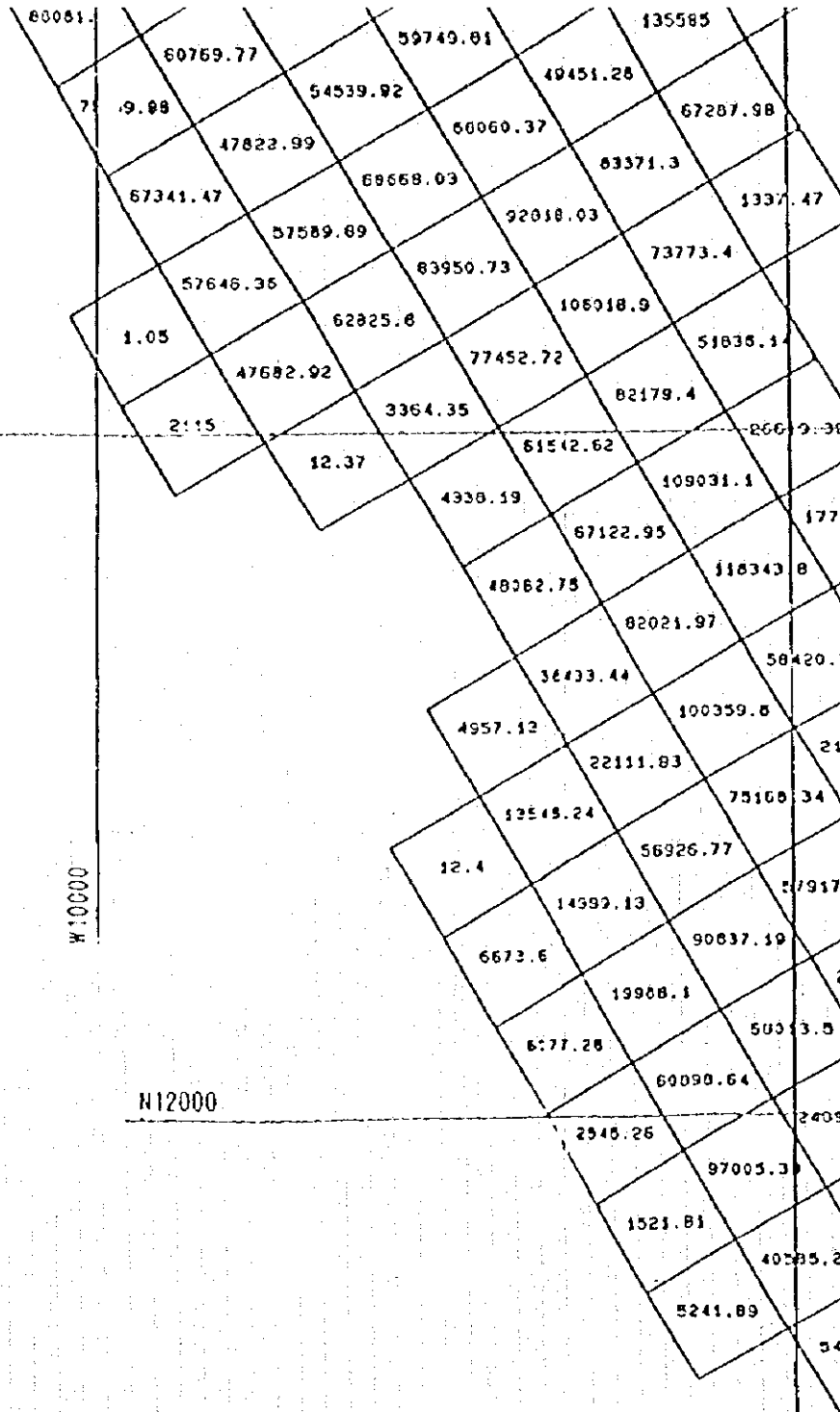
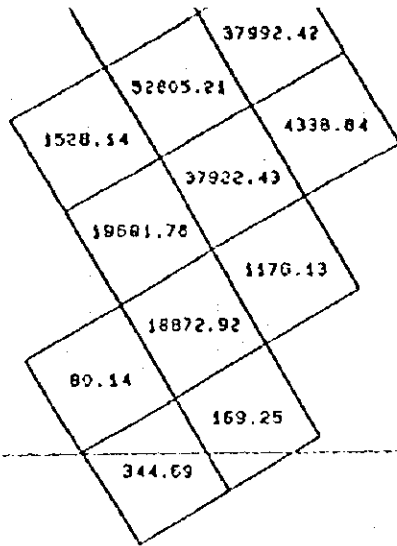
W13000

W12000



W11000

W10000



W11000

W10000

N12000

W6000

W6000

W7000

