

DIAMOND DRILL LOG

DRILLING COMPANY		COLLAR ELEVATION		DIP		BEARING		DIP		BEARING		CLAIM NO.	LOCATION	MAP	HOLE NO.	PAGE NO.		
SPECIALIZED DRILLING				-45°				m				1224492/	L2+05E, 2+25N	UTM	SLG-01-02	1		
START DATE	COMPLETION DATE	DATE LOGGED		COLLAR	DIP	BEARING		DIP		BEARING		MAP NO.	PROPERTY NAME		COMMENTS			
MAY 25/2001	MAY 30/01	JUNE 19 - JUNE 23		100 m	-44°			m					LANGMUIR		IF ANOMALY/STRAT. CASING REMAINS E/W			
EXPLORATION CO.: OWNER: OPTIONEE		LOGGED BY		m		m		m		m		TOTAL FOOTAGE	MAP		HOLE NO.			
SEA EMERALD DEVT. CORP.		B. BARKER		m		m		m		m		192.0m	499348 E 5353852 N ±15m		SLG-01-02			
FOOTAGE		ROCK TYPE		DESCRIPTION								PY %	SAMPLE FOOTAGE		SAMPLE LENGTH		ASSAYS	
FROM	TO			COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.									FROM	TO				
0	10.0	OVB		CLAY W Boulders														
10.0	117.0	1kom		LIGHT GREY, F-M.G., GENY MASSIVE, SOFT KONAHTIC FLOW														
				ABUN WISPY QCA(?), NO REACTION. COULD BE QFELD ALTH 5% TURB								2.	216	77				
				MIN OXDN ASSD IN SURFACE FRAC'S														
				DE CRISO QCVLT' AT VACA, SOME W ASSD CHL														
				OXDD SEAM Y FRACD 23.3-25.0m														
				PORT S, ? @ 30-40 DTCA														
				QCVLT' / CRISP @ 35 DTCA, 20 DTCA														
				WISPY QFELD ALTH @ TOP OF INTERVAL LOW L (0-30DTCA) 5% FRAC'														
				J @ 45 DTCA (S, ?) & 30' ROYD 110° FROM Q, (?)														
				TR SUB-EUH, OFTEN BROKEN BB PY ASSD W qfeld alt'														
				21173 1k w qfeld alt, 15%								-	17.1	19.3				
				21174 1k								-	26.3	26.4				
				more intense qfeld chl @ 38.4-45.5m, some oxdd frac', of high L qcv														
				69.2-69.5 if 45DTCA ERAC' w OXDN + BLUGS TO PALE GREEN, PY TR .5%														
				21175 1k								-	55.5	55.7				
				21176 1k								-	77.9	78.0				
				FROM ≈ 92m ON MORE CHL ALTH														
				FROM ≈ 102m ON; V LOW L STRUCTURE PROMINENT, NUMEROUS LITHOLOGICAL Juxtaposition														
				108.6-109.1														
				FELSIC DIKES @ 30-35 DTCA 99.7-100.5, 105.3-105.7 2% bb py														
				DIKE SHOW GOOD CHILL MARGINS, CENTRES GLOBULAR FELD IN CHL MATRIX														
				21177 1k														
				2643 FELSIC DIKE, 5% F-LG SUB-EUH BB PYRITE Au, Cu								5	97.4	97.5				
				ABUN LOW L STRUCTURE @ EDINT														
				MIN BRGN 110-111m														
117.0	119.2	ZF		CHL MAFIC FLOW, MIN LX? @ 118.3														
				S, ? @ 30 dtca														
				MIN QCVLT														

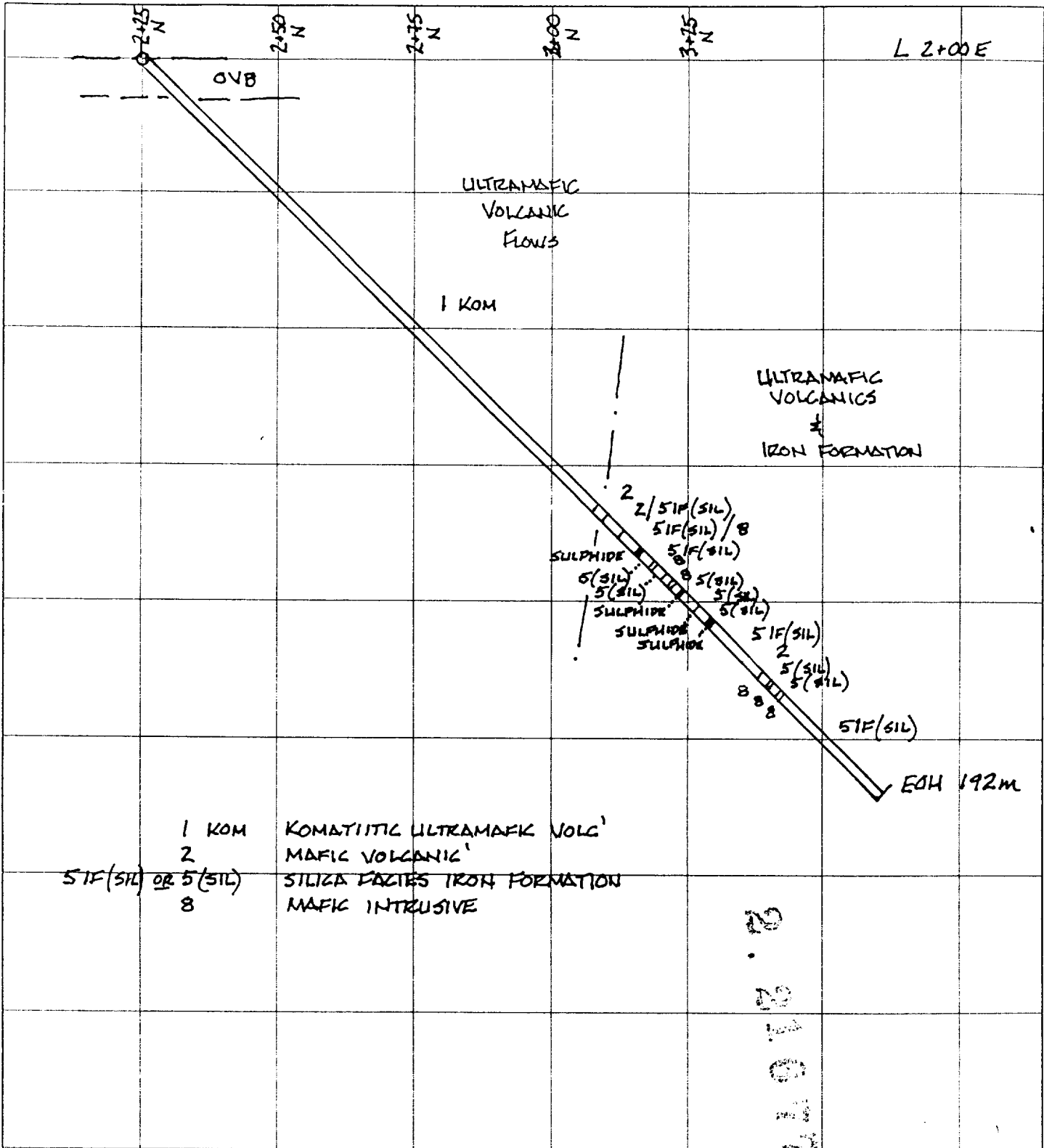


FOOTAGE		ROCK TYPE	DESCRIPTION COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS	
FROM	TO				FROM	TO			
119.2	123.4	Zm, SIF(SIL)	MIXED chlc, shearst 2m w domy white silica fumes IF. UP TO 4% PO LOCY ASSD w pyroxenitic layers, loc breccia, clasts of 5 in chlc. Z matrix NO samples						
123.4	127.9	SIF, B(1)	MIXED MIN 5 SIL IN DOMY MG GREY LAYERED ROCK MINH OF 3% DISS BB BY LOOKS LIKE FELSIC ROKS ABOVE BUT LITHOLOGY AT LEAST INTERMEDIATE COMPOSITION. UCT SHARP 45 LG IRREG NUM CRISP QCVN' & VNKT, SOME LOW L MOST 45° ROTD 90 FROM \$a(?) 'LAYERING & VN' WELL DEVD AT 125.8m 21178 INTERMEDIATE INTRUSIVE LAYERED						
			2644 1/2 B 1/2 5 SIL w 2% po & ch, secondary + mintarnished py NiCu	2	123.4	124.8			
			2645 LAYERED B?, num qcv crisp domy 45 dtca. NiCu	tr	124.8	126.3			
			2646 BRCD 5 SIL 2% po, stringers NiCu	2	126.3	127.9			
127.9	128.3	SULPHIDE	GENERALLY MSV (15% SIL FRAG) @ 45° to CA, DIRTY LOOKING (20cm true thick) 2647 BA Cu, Ni, Co, Pt, Pd	80	127.9	128.3			
128.3	131.8	SIF(SIL)	TYPICAL WHITE 5 SIL, MIN PO LOCY, SECONDARY GENY 45 DTCA						
131.8	132.6	B?	COULD BE 1K FLOW (123-128m +oo!), FAULT CT'S UPPER & LOWER @ 30 DTCA						
132.6	135.0	SIF(SIL)	98% WHITE 5 SIL, MIN SECONDARY Py						
135.0	136.4	B?	MG B, MIN CHLC INJECTION UCT IRREG, LCT 30 DTCA						
136.4	139.5	SIF(SIL)	SDA						
139.5	139.5	SULPHIDE	DENILY MIND FLOW 80% Po 2648 80% po in THIN FLOW Cu, Ni, Co, Pt, Pd	80	139.0	139.5			
139.5	143.1	SIF(SIL)	AS ABOVE w 40% DARK LAYERS, MIN PO LOCY, LOW L, MIN CONTD Zm						
143.1	143.5	SULPHIDE	40% py + po in brecciated 5 sil 2649 40% py + po, contorted, min flow in BRCD Zm Cu Ni Co	40	143.1	143.5			
143.5	146.0	SIF(SIL)	AS ABOVE, LOC BRECCIA						

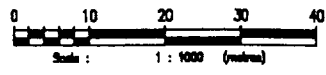
FOOTAGE		ROCK TYPE	DESCRIPTION <small>COLOUR: GRAIN SIZE: TEXTURE: MINERALS: ALTERATION: ETC.</small>	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS		
FROM	TO				FROM	TO				
146.0	147.3	SULPHIDE	50 po + min py in chlc flow, LOW L							
			2650 4A	Cu, Ni, Co, Pt, Pd	50	146.0	147.3			
157.0		5IE(SIL)	CM-BEDDED: 5 SIL W 40% DARK COMPONENT 35-45 DTCA LOC BRX MIN VEG SERP/CARB ALTN (PALE GREEN) V LOW L							
158.7		2m	CHLC FLOW + MIN 5 SIL, QC ALTN LOC BRECCINATION							
159.8		8	AF QCVNLT' + AF PINKISH 'HIGH L VNLT' (75 DTCA)							
161.8		5IE(SIL)	min injected pyroxenite 2 long irreg frac							
162.6		8	high L sharp 'qtz', af pink qv' @ 75 DTCA, 30 DTCA L CT							
164.4		5 SIL	0 DTCA 5 SIL, MIN BEDDED (FOLD LIMB ATTENUATION ?)							
165.4		8	high L 30 dtca sharp FAULT UCT, AF PINK VNLT' 45 dtca LCT							
192.0		5 SIL	LOW L (45 DTCA) WHITE IF W 5% DARKER (PYROXENITE) LAYERS (≈ .5-2cm) some secondary pyroxenite (squeeze) @ high L 20% ANKERITE(?) 185.5-186.8 CA down to 30 DTCA BY EOLNT - 1m but flattens for last m							
			2651 1.5cm PYROX BAND 10 dtca w TR Py	Cu, Ni, Co	TR	189.3	189.7			
197.0		EOH	hole terminated... CA bad							
			ASSAYS → SWASTIKA LABS							
			WRA → INCO c/o WIM VANDERLIFT							
			CORE STORED @ AL TAYLOR'S AUNOR LAKE WAREHOUSE							

LEGEND OF ABBREVIATIONS

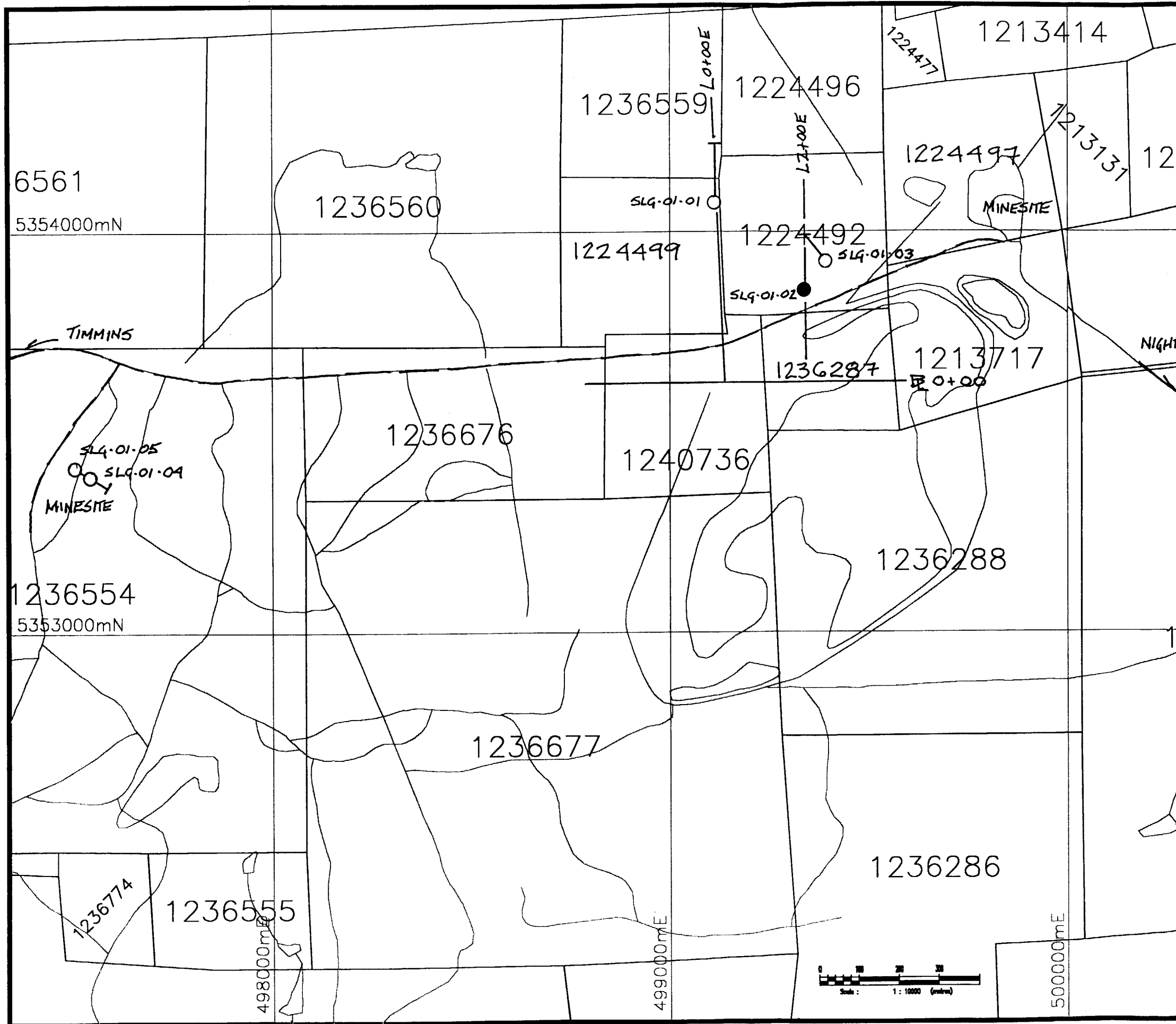
@	AT	OXD	OXIDIZED
ABUN	ABUNDANT	OXDN	OXIDIZATION
AF	A FEW	PER	PERVASIVE
ALTN	ALTERATION	PGE	PLATINUM GROUP ELEMENTS
AMGR	AMYGDULAR	PIL	PILLOW
AMYG	AMYGDULE	PILD	PILLOWED
ANK	ANKERITE	PO	PYRRHOTITE
ARND	AROUND	PORD	POORLY DEVELOPED
ASSD	ASSOCIATED	PY	PYRITE
AU	GOLD	QC	QUARTZ-CARBONATE
BB	BRIGHT BLEBBY	QCA	QUARTZ-CARBONATE
BLCD	BLEACHED		ALTERATION
BLCHG	BLEACHING	QCCHL	QUARTZ CHLORITE
BRCD	BRECCIATED	QCV	QUARTZ-CARBONATE VEIN
BRXN	BRECCIATION	RQD	ROCK QUALITY INDEX
BX	BRECCIA	RT	RIGHT
CC	CALCITIC	SAA	SAME AS ABOVE
CG	COARSE GRAINED	SELV	SELVAGE
CHL	CHLORITE	SER	SERICITE
CHLC	CHLORITIC	SERC	SERICITIC
CO3	CARBONATE	SHRG	SHEARING
CPY	CHALCOPYRITE	SILC	SILICIC
CT	CONTACT	SILD	SILICIFIED
DB	DIRTY BLEBBY	SILN	SILICIFICATION
DEVD	DEVELOPED	SM	SMALL
DISSD	DISSEMINATED	SPHAL	SPHALERITE
DK	DARK	ST	STRINGERS
DOM	DOMINANT	STGY	STRONGLY
DOMY	DOMINANTLY	STR	STRONG
DTCA	DEGREES TO CORE AXIS	SZ	SHEAR ZONE
EOH	END OF HOLE	TEX	TEXTURE
EOINT	END OF INTERVAL	TOUR	TOURMALINE
EPI	EPIDOTE	TR	TRACE
ESP	ESPECIALLY	UCT	UPPER CONTACT
EUH	EUHEDRAL	V	VERY
Fe	IRON	VACA	VARIOUS ANGLES TO CORE AXIS
FG	FINEGRAINED	VAR	VARIOLITE
FRAC Z	FRACTURE ZONE	VARC	VARIOLITIC
FRAC	FRACTURE	VCB	VERY COARSE BLEBBY
FRACG	FRACTURING	VCG	VERY COARSE GRAINED
FRAC'D	FRACTURED	VN	VEIN
FZ	FAULT ZONE	VNLTS	VEINLETS
GENY	GENERALLY	VOLC	VOLCANIC
HANG	HIGH ANGLE	WH	WHITE
HEMC	HEMATITIC	WKLY	WEAKLY
INT	INTERSECTION	WR	WHOLE ROCK
INT	INTERMEDIATE	WRA	WHOLE ROCK ANALYSIS
IRREG	IRREGULAR	XCUT	CROSS CUT
J	JOINT	XXX'	PLURAL OF XXX
K	POTASSIC	//	<i>PARALLEL</i>
LANG	LOW ANGLE	@	<i>AT</i>
LCT	LOWER CONTACT	o	<i>CIRCULAR</i>
LOCY	LOCALLY	⊥	<i>PERPENDICULAR</i>
LX	LEUCOXENE	W	<i>WITH</i>
LXC	LEUCOXENITIC	≈	<i>AROUND</i>
MAG	MAGNETITE	∠	<i>ANGLE</i>
MG	MEDIUM GRAINED		
MIN	MINOR		
MIND	MINERALIZED		
MINN	MINERALIZATION		
MM	MILLIMETER		
MOD	MODERATE		
MSV	MASSIVE		
NUM	NUMEROUS		
OVB	OVERBURDEN		



DIP: -45
 AZI: 354°
 EOH: 192m



SEA EMERALD DEVELOPMENT CORP.	
DDH SECTION SLG-01-02	
PROPERTY:	DATE:
CLAIM:	SCALE: 1:10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS



GRID 1999 M.C. EXPLORATION

SEA EMERALD DEVELOPMENT CORP.	
DDH PLAN	
DDH SLG-01-02	
PROPERTY: LANGMUIR	DATE: JUNE 26/2001
CLAIM: 1224492	SCALE: 1:10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS

DIAMOND DRILL LOG

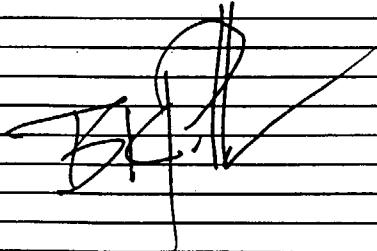
DRILLING COMPANY		COLLAR ELEVATION		DIP		BEARING		CLAIM NO.		LOCATION		MAP		HOLE NO.		PAGE NO.	
SPECIALIZED DRILLING				-45 °				122449Z		2+50E 3+00N		499400 E 5353922 N		SLG-01-03		01	
START DATE	COMPLETION DATE	DATE LOGGED		COLLAR	DIP				MAP NO.	PROPERTY NAME		COMMENTS					
MAY 30/01	JUNE 9/2001	JUNE 24-29/01		70 m	-45 °					LANGMUIR		STRUCTURAL/STRAT CASING REMAINS BW					
EXPLORATION CO.; OWNER; OPTIONEE		LOGGED BY		135 m	-45 °				TOTAL FOOTAGE								
SEA-EMERALD DEVT CORP.		BKPOLK		m	°				135.0 m								
FOOTAGE		ROCK TYPE		DESCRIPTION						PY %	SAMPLE FOOTAGE		SAMPLE LENGTH		ASSAYS		
FROM	TO			COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.							FROM	TO					
	6.0	ONB		CLAY W BOULDERS @ BEDROCK													
	8.0	7		FELSIC DIKE, FG, MIN QC + CHL INTN ALTN TR SUB-EUH BS PY													
	9.5	1m		ULTRAMAFIC FLOW, V SOFT, CHLC 10-20% QCA GENY 45 DTCA ST BLOCKY @ POINT TR CG SUB-EUH W ASSD W QCA													
	22.8	4		CG, LOCP PORPHY SACITIC OR RHYODACITIC FLOW(S), V HARD DGREEN LOCP MOTTLED LCT QV (3cm) LCT 45 DTCA, SILD THRU MIN QCHL ALTN LOCP, SOME PINK, NUM QC FRAC' @ 80-85 DTCA IRREG MIN CHL ALONG SOME FRAC' ± WIK SERC ALTN NUM FRAC' @ 45 DTCA, AF LL FRAC' TR CG SUBHD PY ASSD W QCHLA 21180 WRA													
	28.4	1		DARK, CHLC ULTRAMAFIC FLOW W ABUN QCA, MIN. FELSIC MATERIAL 26.1 - 26.4, ROCK IS SOFT 10% QCA THRU, VNLT' (IRREG) = SMALL CLOT' S ₂ (?) @ 45 DTCA AF LL 30 DTCA CHLC FRAC' TR PY, GENY ASSD W CHL & QCA													
	32.5	4		FELSIC AS ABOVE ABUN CHLC FRAC', GENY HL UP TO 2% F-MG BS PY													
	33.4	1 per		PERIDOTIC FLOW W ABUN QCA @ 50 DTCA, CHLC													
	36.0	1 kom		KONATITIC FLOW(?) GENY HARD, POSSIBLY SILD, COULD BE 4 21181													
													35.5	35.6			

2. 21677



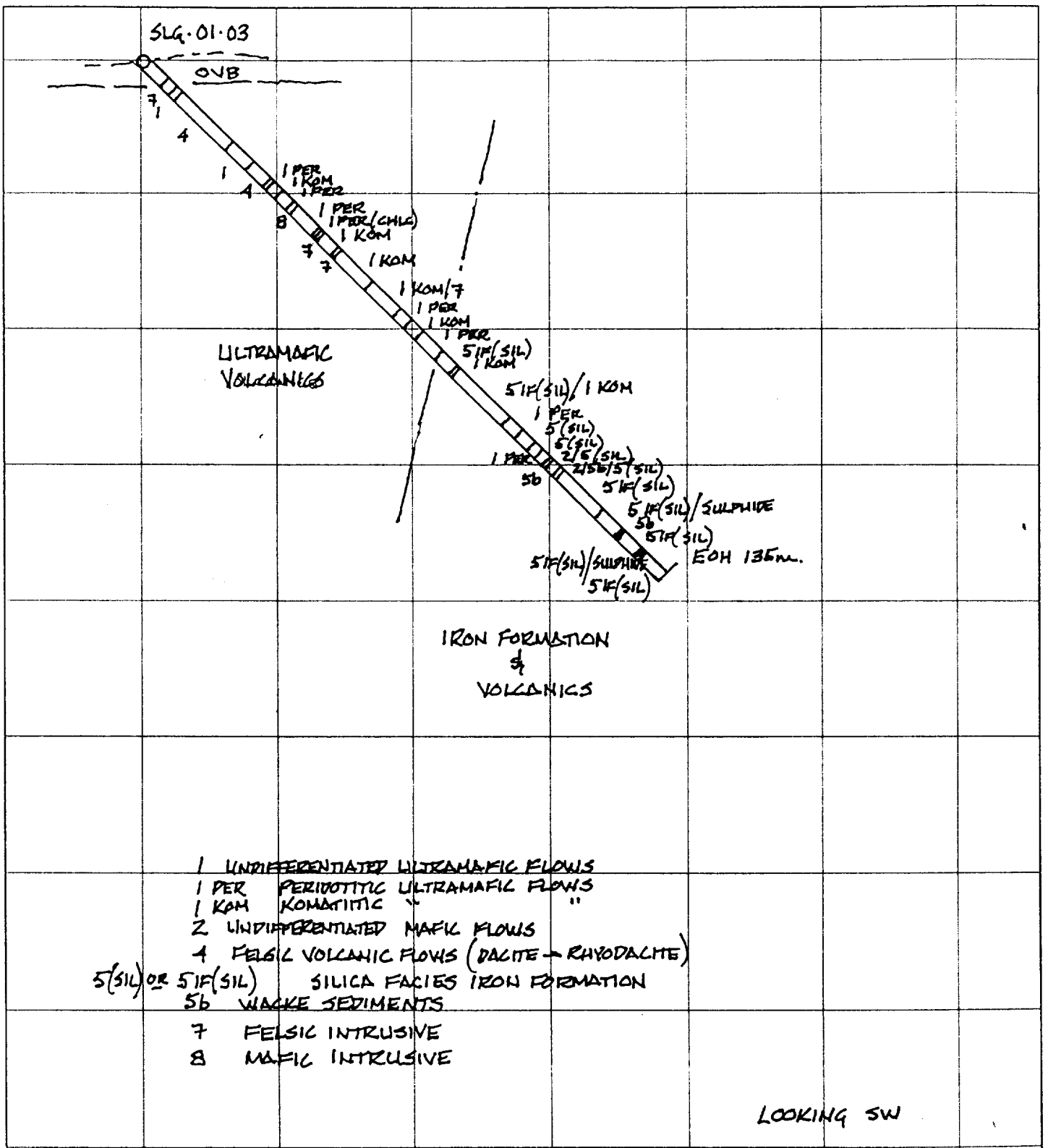
FOOTAGE		ROCK TYPE	DESCRIPTION COLOUR: GRAIN SIZE: TEXTURE: MINERALS: ALTERATION: ETC.	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS		
FROM	TO				FROM	TO				
36.0	37.8	1 PER	AS 1 PER ABOVE							
	39.7	8	MAFIC INTRUSIVE? CT' OBSCURED BY QCV... NOT TOO SURE							
	45.2	1 PER	AS 1 PER ABOVE							
	45.4	1 PER (CHLC)	THIN, DISTINCTLY BLACK CHLC FLOW							
	46.5	7	FELSIC DIKE, CT' @ 60 DTCA, FRAGD, QCALTN							
	50.2	1 KOM	PALE GREEN, SOFT KOMATIITIC FLOW(?) ... NOT \approx TO KOM' IN SLG 01.02 MIN QV, CHL ALTN							
			2118Z WRA	-	46.8	46.9				
	51.0	7	3 FELSIC DIKES CT' SHARP @ 60-65 DTCA, 30 DTCA $\frac{1}{2}$ IRREG TR-1% DISS PY							
	59.0	1 KOM	AS ABOVE, MIN PINK QCA, MIN ANK(?)							
	66.5	1 KOM/7	3 DIKES, CT' DIMPY SHARP @ 65 DTCA 63.6-66.4 LARGEST							
	69.3	1 PER	CHLC QCA RICH UNIT... LITHOLOGY QUESTIONABLE, LOGY S/ CG EU BB PY, LOGY BRCD							
	72.4	1 KOM	PALE GREEN MSU FLOW(?) AS ABOVE, LITHOLOGY UNCERTAIN STRONG 20 DTCA FOLIATION @ EQ INT LCT MARKED BY 20 CM QCHLV							
	77.3	1 per	LIGHTER GREY, PERIDOTITIC FLOW, CRENULATED @ 60 DTCA, GENY CONTORTED, GENY L4 (10 DTCA)							
	81.3	5 IF (SIL)	THICK BEDDED BLACK & WHITE IRON FORMATION 80.4-80.9 PYROXENITE & INTERCTED CHL, V DENSE, 45 DTCA							
			2651 THICK PYROX. LAYER w 2% BLEBBY PY, TARNISHED CuNiCoPb	2	80.4	80.9				
	82.0	1 KOM	AS ABOVE							
	94.8	5 IF (SIL)/1 KOM	SEVERAL DISCRETE KOMIC FLOWS IN CM BEDDED, WELL LAYERED IF LDC Po MINN, SECONDARY No GENY 45 DTCA							
			2652 5% F-CG BB EUH PY ABOUT 1cm NNWQUEIN (15 DTCA) Au, Cu 5		91.3	91.8				

FOOTAGE		ROCK TYPE	DESCRIPTION COLOUR: GRAIN SIZE: TEXTURE: MINERALS: ALTERATION: ETC.	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS	
FROM	TO				FROM	TO			
94.8	98.2	1 PER (Z+?)	EINELY STRIPED PERIDOTITE FLOW (?), LOW L (0-10 DTA) HIGHLY CONTORTED GOOD STRUCTURE, GREEN ABOUT 60 DTA FRAC (SLIPS) GENY CHLC - COULD BE MAEIC TUFF 21183 CONTORTED 1 PER (?)						
						97.9	98.0		
	101.6	5 IF (SIL)	LOW L (30 DTA) CM BEDDED IE. WHITE DOM. GENY FRACD TR P ₀ & P ₁ (SECONDARY) AF CRISP QCV AT 30 DTA (TR EB PY)						
	103.3	1 FER (Z+?)	AS ABOVE (94.8-98.2) EG & CHLC @ ECONT. ALTERNATING S ₀ // CA						
	105.1	5 IF (SIL)	LOW L CONTD BRGD 5 SIL, LOC INJECTED CHL LOC SEMI MSV P ₀ + P ₁						
			2653 2% SECONDARY S ₀ // P ₀ VI TR CPY	Cu Ni Co	2	103.7	105.1		
	106.0	2/5 SIL	PALE GREEN, EG FLOW (?) IN INTIMATELY MIXED 5 SIL, LOCY CHLC, 5% P ₀ + P ₁ TR CPY						
			2654 5% CONTD PRIMARY P ₁ + TR CPY (?), 60 DTA 4cm P ₀ + TR CPY VI	Cu Ni Co	5	105.1	106.0		
	107.9	5b	DISTINCTIVE MAUVE/GREY UNIT, LOC LAYERING & GRADATION IN GRAIN SIZE, 45 DTA... COULD BE INTRUSIVE ? (CONFORMABLE) NUM CRISP QCV (E CHL) TR PY ASSD W V THIN CHLC BCU // S ₀ [TWIN SECTION ?]						
	109.7	2/5 SIL/5b	PALE GREEN EG FLOW (AS 105.1-106.0m) W 25cm EG SED (?) UNIT, EOUNIT PRIMARY PRECLIA OR PYROCLASTIC						
	118.5	5 IF (SIL)	GENY THICK BEDDED, WHITE SILIC IF LOCY WKLY BRGD, LOC CM MAEIC LAYERING, LOC FINE LAMINATION, 5b (116.9-117.2m), MIN INTR CHL 1% P ₀ + P ₁ (2 nd) P ₁ IS TARNISHED, MAY BE CHLIFOLLS						
			2655 2% TARNISHED P ₁	Cu Ni Co	2	108.9	100.4		
			2656 " "	Cu Ni Co	2	110.4	111.9		
			2657 80% PRIMARY + 2 ND ARY P ₁ IN CHLC UNIT	Cu Ni Co	80	113.8	113.6		
	123.4	5 IF (SIL) / SULFIDE	NUM LENSES OF SEMI-MSV TO MSV PRIMARY DIRTY P ₁ , LOCY LAYERED & NO PR, TR OF SECONDARY P ₀ LOCY						
			2658 60% PRIMARY P ₁ , TR P ₀ (CUT ⊥ TO S ₀)	Cu Ni Co PE Pd	60	120.9	122.4		
	123.9	5b	AS 5b ABOVE						
			2659 TR-1% DISS EG P ₁	Au, Cu, Ni, Co	TR	123.4	123.9		

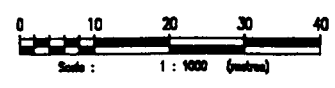
FOOTAGE		ROCK TYPE	DESCRIPTION COLOUR: GRAIN SIZE: TEXTURE: MINERALS: ALTERATION: ETC.	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS	
FROM	TO				FROM	TO			
123.9	128.8	5IF(SIL)	GENY WHITE, BRGD, LOGY GPHC 5 SIL, 2 GPHC UNITS 126.5-126.6, 127.1-127.3m AF CRISP AZVNLT @ 45 DTA 1 TO S ₀ @ 45 DTA TR CC EUH PY + TR Z ^{HP} P ₀						
129.8		5IF(SIL)/SULF	DARK 5IF(SIL) WITH MIXED THIN FLOWS (?), LOGY SULFIDE LAMINAE, MIN QC STEEL W LINN ON S ₀ FOLDS Z660 20% LAMD P ₀ , PRIMARY & SECONDARY Cu Pb Zn Ni Au						
135.0		5IF(SIL)	(CONSISTENTLY 45 DTA 5 SIL, LOGY LAMD, MIN MAF - UMACIC FLOWS, TR - 5% P ₀ (SECONDARY) ASSD W CHLC FLOWS Z661 20cm CHLC FLOW W 5% SECONDARY P ₀ Cu Ni Co Pt Ph	5	133.6	134.0			
135.0		FOH							
			ASSAYS -> SWASTIKA LABS						
			WRA -> INCO c/o WIM VANDERKLIET						
			CORE STORED AT AL TAYLORS AUNOR LAKE WAREHOUSE						
									

LEGEND OF ABBREVIATIONS

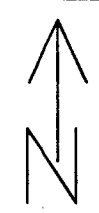
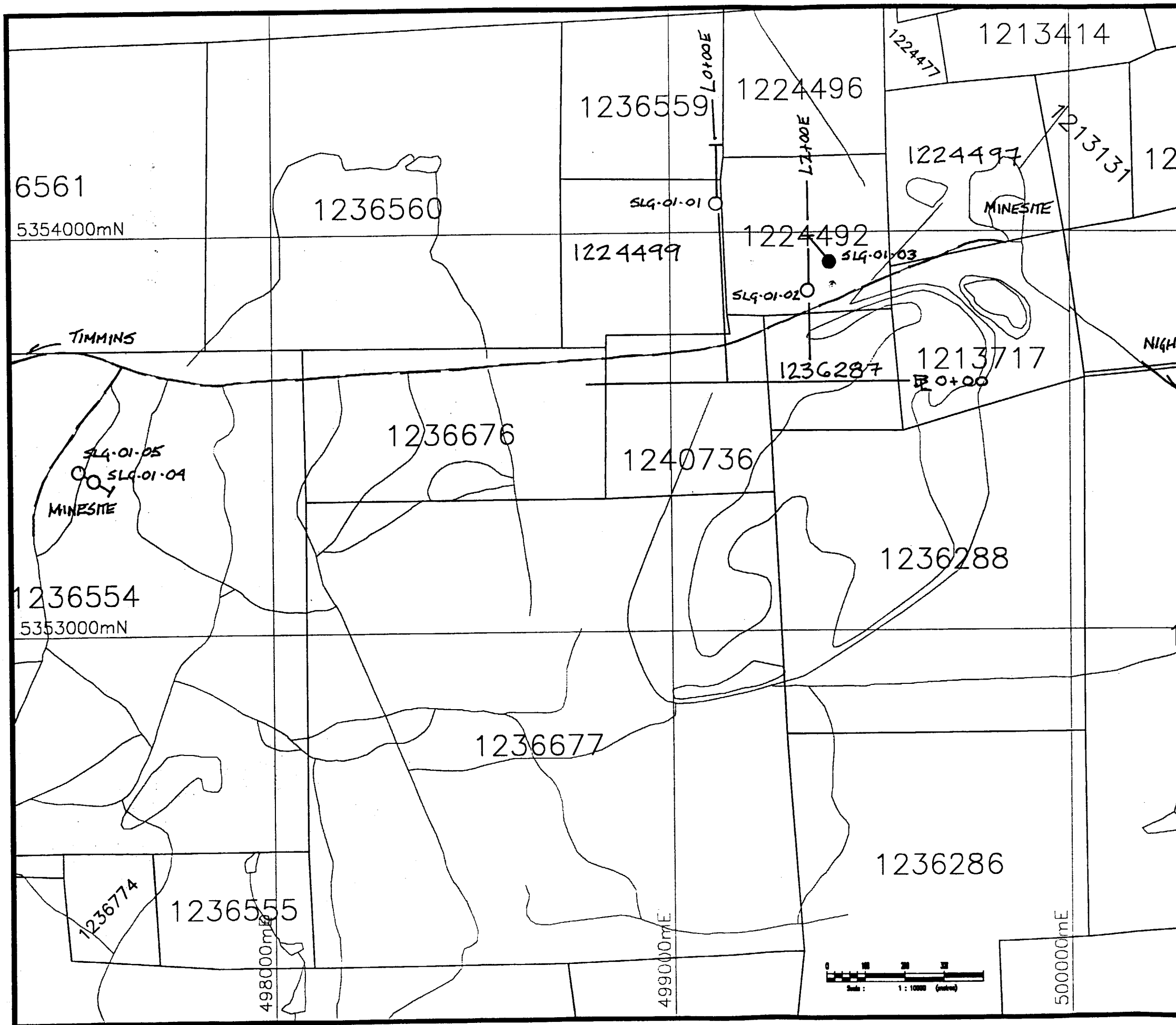
@	AT	OXD	OXIDIZED
ABUN	ABUNDANT	OXDN	OXIDIZATION
AF	A FEW	PER	PERVASIVE
ALTN	ALTERATION	PGE	PLATINUM GROUP ELEMENTS
AMGR	AMYGDULAR	PIL	PILLOW
AMYG	AMYGDULE	PILD	PILLOWED
ANK	ANKERITE	PO	PYRRHOTITE
ARND	AROUND	PORD	POORLY DEVELOPED
ASSD	ASSOCIATED	PY	PYRITE
AU	GOLD	QC	QUARTZ-CARBONATE
BB	BRIGHT BLEBBY	QCA	QUARTZ-CARBONATE
BLCD	BLEACHED		ALTERATION
BLCHG	BLEACHING	QCCHL	QUARTZ CHLORITE
BROD	BRECCIATED	QCV	QUARTZ-CARBONATE VEIN
BRXN	BRECCIATION	RQD	ROCK QUALITY INDEX
BX	BRECCIA	RT	RIGHT
CC	CALCITIC	SAA	SAME AS ABOVE
CG	COARSE GRAINED	SELV	SELVAGE
CHL	CHLORITE	SER	SERICITE
CHLC	CHLORITIC	SERC	SERICITIC
CO3	CARBONATE	SHRG	SHEARING
CPY	CHALCOPYRITE	SILC	SILICIC
CT	CONTACT	SILD	SILICIFIED
DB	DIRTY BLEBBY	SILN	SILICIFICATION
DEVD	DEVELOPED	SM	SMALL
DISSD	DISSEMINATED	SPHAL	SPHALERITE
DK	DARK	ST	STRINGERS
DOM	DOMINANT	STGY	STRONGLY
DOMY	DOMINANTLY	STR	STRONG
DTCA	DEGREES TO CORE AXIS	SZ	SHEAR ZONE
EOH	END OF HOLE	TEX	TEXTURE
EOINT	END OF INTERVAL	TOUR	TOURMALINE
EPI	EPIDOTE	TR	TRACE
ESP	ESPECIALLY	UCT	UPPER CONTACT
EUH	EUHEDRAL	V	VERY
Fe	IRON	VACA	VARIOUS ANGLES TO CORE AXIS
FG	FINEGRAINED	VAR	VARIOLITE
FRAC Z	FRACTURE ZONE	VARC	VARIOLITIC
FRAC	FRACTURE	VCB	VERY COARSE BLEBBY
FRACG	FRACTURING	VCG	VERY COARSE GRAINED
FRAC'D	FRACTURED	VN	VEIN
FZ	FAULT ZONE	VNLTS	VEINLETS
GENY	GENERALLY	VOLC	VOLCANIC
HANG	HIGH ANGLE	WH	WHITE
HEMC	HEMATITIC	WKLY	WEAKLY
INT	INTERSECTION	WR	WHOLE ROCK
INT	INTERMEDIATE	WRA	WHOLE ROCK ANALYSIS
IRREG	IRREGULAR	XCUT	CROSS CUT
J	JOINT	XXX'	PLURAL OF XXX
K	POTASSIC	//	PARALLEL
LANG	LOW ANGLE	e	AT
LCT	LOWER CONTACT	o	CIRCULAR
LOCY	LOCALLY	l	PERPENDICULAR
LX	LEUCOXENE	W	WITH
LXC	LEUCOXENITIC	~	AROUND
MAG	MAGNETITE	L	ANGLE
MG	MEDIUM GRAINED		
MIN	MINOR		
MIND	MINERALIZED		
MINN	MINERALIZATION		
MM	MILLIMETER		
MOD	MODERATE		
MSV	MASSIVE		
NUM	NUMEROUS		
OVB	OVERBURDEN		



DIP: -45
 AZI: 320°
 EOH: 135m



SEA EMERALD DEVELOPMENT CORP.	
DDH SECTION SLG-01-03	
PROPERTY: <u>LANGMUIR</u>	DATE: <u>JUNE 26/2001</u>
CLAIM: <u>1224492</u>	SCALE: 1 : 10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS



GRID 1999 M.C. EXPLORATION

SEA EMERALD DEVELOPMENT CORP.	
DDH PLAN	
DDH SLG-01-03	
PROPERTY: LANGMUIR	DATE: JUNE 26/2001
CLAIM: 1224492	SCALE: 1:10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS

DIAMOND DRILL LOG

DRILLING COMPANY SPECIALIZED DRILLING		COLLAR ELEVATION		DIP		BEARING		CLAIM NO. 1236554		LOCATION NO GRID		MAP UTM		HOLE NO. SLG-01-04		PAGE NO. 01	
START DATE JUNE 11/01		COMPLETION DATE JUNE 15/01		DATE LOGGED JUNE 27/01		COLLAR NO TESTS		MAP NO.		PROPERTY NAME LANGMUIR		497547 E 535390 N ±15m		COMMENTS STRAT. LASING PULLED - OVERSHOT TARGET			
EXPLORATION CO.: OWNER: OPTIONEE SEA-EMERALD DEVT CORP.		LOGGED BY BKPOLK						TOTAL FOOTAGE 64.0 m									
FOOTAGE		ROCK TYPE		DESCRIPTION						PY	SAMPLE FOOTAGE		SAMPLE	ASSAYS			
FROM	TO			COLOUR: GRAIN SIZE: TEXTURE: MINERALS: ALTERATION: ETC.						%	FROM	TO	LENGTH				
	51.0	OVB		CLAY W/ BOULDERS (BIOTITE GRANITE, MAFIC INT.)													
	55.6	2m/1m		MIXED MAFIC FLOWS, F-MG, CLK, GENY FRAC, ACTINOLITE(?) 54.50m LOC TALK DEVT (WK) FRAC @ 45 DTCA, NUM BLOCKY INT'													
				21184 WRA						2.21077		53.4	53.5				
	64.0	8		INTERMEDIATE DIKE, CG, GREENISH (?) CG & SEAMY 55.3 - 58.0m NUM GRK 45-90 DTCA HENG QLVNT, FRAC @ 45 DTCA													
				21185 WRA													
	64.0	EOH										59.8	59.9				
DEEPER THAN EXPECTED OVB RESULTED IN OVERSHOT OF THE TARGET..																	
WRA → INCO % WIM VANDERKLIFF																	
CORE STORED AT AL TAYLOR'S ANNOR LAKE WAREHOUSE																	

WRA



LEGEND OF ABBREVIATIONS

@	AT	OXD	OXIDIZED
ABUN	ABUNDANT	OXDN	OXIDIZATION
AF	A FEW	PER	PERVASIVE
ALTN	ALTERATION	PGE	PLATINUM GROUP ELEMENTS
AMGR	AMYGDULAR	PIL	PILLOW
AMYG	AMYGDULE	PILD	PILLOWED
ANK	ANKERITE	PO	PYRRHOTITE
ARND	AROUND	PORD	POORLY DEVELOPED
ASSD	ASSOCIATED	PY	PYRITE
AU	GOLD	QC	QUARTZ-CARBONATE
BB	BRIGHT BLEBBY	QCA	QUARTZ-CARBONATE ALTERATION
BLCD	BLEACHED	QCCHL	QUARTZ CHLORITE
BLCHG	BLEACHING	QCV	QUARTZ-CARBONATE VEIN
BRCD	BRECCIATED	RQD	ROCK QUALITY INDEX
BRXN	BRECCIATION	RT	RIGHT
BX	BRECCIA	SAA	SAME AS ABOVE
CC	CALCITIC	SELV	SELVAGE
CG	COARSE GRAINED	SER	SERICITE
CHL	CHLORITE	SERC	SERICITIC
CHLC	CHLORITIC	SHRG	SHEARING
CO3	CARBONATE	SILC	SILICIC
CPY	CHALCOPYRITE	SILD	SILICIFIED
CT	CONTACT	SILN	SILICIFICATION
DB	DIRTY BLEBBY	SM	SMALL
DEVD	DEVELOPED	SPHAL	SPHALERITE
DISSD	DISSEMINATED	ST	STRINGERS
DK	DARK	STGY	STRONGLY
DOM	DOMINANT	STR	STRONG
DOMY	DOMINANTLY	SZ	SHEAR ZONE
DTCA	DEGREES TO CORE AXIS	TEX	TEXTURE
EOH	END OF HOLE	TOUR	TOURMALINE
EOINT	END OF INTERVAL	TR	TRACE
EPI	EPIDOTE	UCT	UPPER CONTACT
ESP	ESPECIALLY	V	VERY
EUH	EUHEDRAL	VACA	VARIOUS ANGLES TO CORE AXIS
Fe	IRON	VAR	VARIOLITE
FG	FINEGRAINED	VARC	VARIOLITIC
FRAC Z	FRACTURE ZONE	VCB	VERY COARSE BLEBBY
FRAC	FRACTURE	VCG	VERY COARSE GRAINED
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J	JOINT	//	PARALLEL
K	POTASSIC	e	AT
LANG	LOW ANGLE	o	CIRCULAR
LCT	LOWER CONTACT	⊥	PERPENDICULAR
LOCY	LOCALLY	W	WITH
LX	LEUCOXENE	≈	AROUND
LXC	LEUCOXENITIC	∠	ANGLE
MAG	MAGNETITE		
MG	MEDIUM GRAINED		
MIN	MINOR		
MIND	MINERALIZED		
MINN	MINERALIZATION		
MM	MILLIMETER		
MOD	MODERATE		
MSV	MASSIVE		
NUM	NUMEROUS		
OVB	OVERBURDEN		

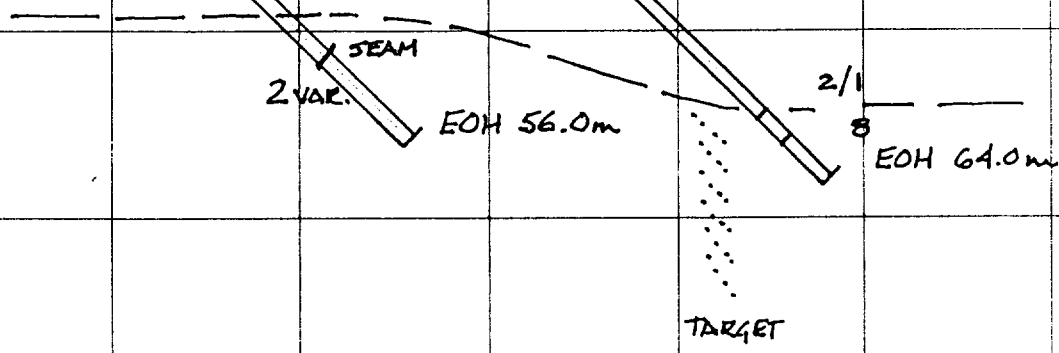
SLG-01-05

SLG-01-04

OVB

OVB

NO GRID



- 1 ULTRAMAFIC VOLCANICS
- 2 MAFIC VOLCANICS
- 2 VAR. VARIOLITIC MAFIC VOLCANIC'

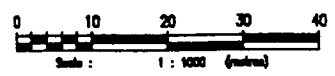
LOOKING NORTHEAST

SLG-01-04

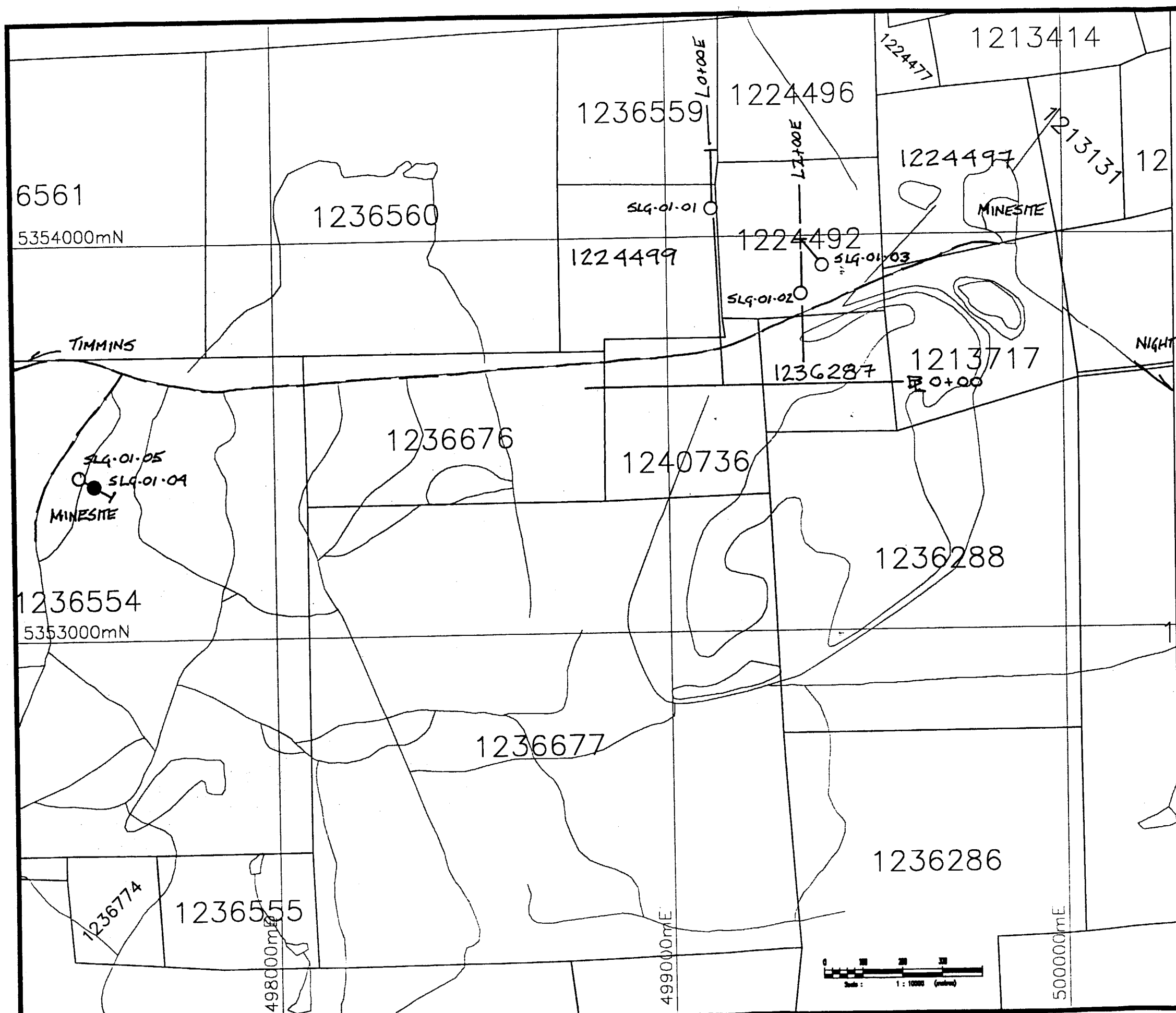
DIP: <u>-43</u>
AZI: <u>120°</u>
EOH: <u>64m</u>

SLG-01-05

DIP -44°
 AZI 120°
 EOH 56m



SEA EMERALD DEVELOPMENT CORP.	
DDH SECTION	
SLG-01-04, SLG 01-05	
PROPERTY:	DATE :
CLAIM :	SCALE : 1 : 10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS



GRID 1999 M.C. EXPLORATION

SEA EMERALD DEVELOPMENT CORP.	
DDH PLAN	
DWH <u>SLG-01-04</u>	
PROPERTY: LANGMUIR	DATE: JUNE 26/01
CLAIM: 1236554	SCALE: 1 : 10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS



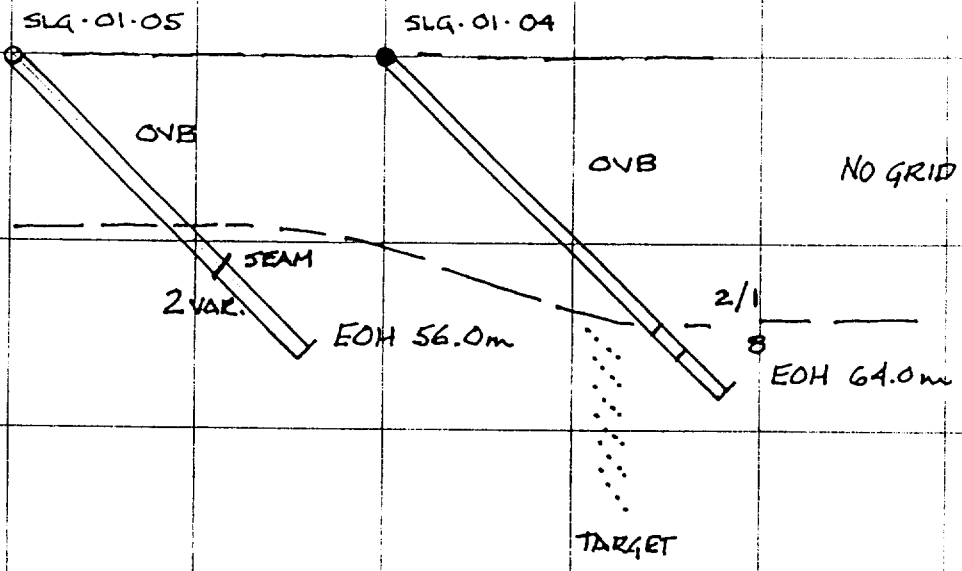
DIAMOND DRILL LOG

DRILLING COMPANY		COLLAR ELEVATION		DIP		BEARING		CLAIM NO.		LOCATION		MAP		HOLE NO.		PAGE NO.	
SPECIALIZED DRILLING								1236554		NO GRID		UTM		SLG.01.05		01	
START DATE		COMPLETION DATE		DATE LOGGED		COLLAR		MAP NO.		PROPERTY NAME		TOTAL FOOTAGE		COMMENTS			
JUNE 16/01		JUNE 21/01		JUNE 27/01		m				LANGMUIR		56.0m		3 TRAT. CASING PULLED LOST STEEL (7 10' RODS BARREL ? SEAM @ 40m			
EXPLORATION CO.: OWNER: OPTIONEE				LOGGED BY								ASSAYS					
SEA-EMERALD DEPT CORP				BKPOLK													
FOOTAGE		ROCK TYPE		DESCRIPTION										PY	SAMPLE FOOTAGE		SAMPLE
FROM	TO			COLOUR: GRAIN SIZE: TEXTURE: MINERALS; ALTERATION; ETC.										%	FROM	TO	LENGTH
	32.0	OVB		CLAY + BOULDERS (GRANITIC, MAFIC VOLC, INT VOLC.)													
	56.0	2m		CONSISTENT VARC MAFIC VOLC FLOWS, LOC BK @ 49.7, 53 m. C VAR' QC FILLED, LOC BLEG (WK), LOC COOLING TEXT PRESERVED, OBTEN CHLC AF LOW L QCHL VN, CRISP CT LOC WK SHEARING (30 DTR) QCVNLT' 35, DTZA GENY FRALD, 30cm SEAM @ 39.5-40.0m CAUSED DRILL PROBLEMS \$ LED TO SHUT DOWN													
				21186 WRA EQ CHLC 2m										-	46.4	46.5	
	56.0	EOH		BAD SEAM @ ≈ 40m RESULTED IN SAMPLING IN OF THE HOLE NW CASING REEMED TO 30m (?) ATTEMPT FAILED 17 10' RODS BIT, BARREL (?) 40m BW CASING + SHOE BIT LOST VIRA → INCO c/o WIM VANDERKLIET CORE STORED @ DL TAYLOR'S AUNOR LAKE WAREHOUSE													



LEGEND OF ABBREVIATIONS

@	AT	OXD	OXIDIZED
ABUN	ABUNDANT	OXDN	OXIDIZATION
AF	A FEW	PER	PERVASIVE
ALTN	ALTERATION	PGE	PLATINUM GROUP ELEMENTS
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ASSD	ASSOCIATED	PY	PYRITE
AU	GOLD	QC	QUARTZ-CARBONATE
BB	BRIGHT BLEBBY	QCA	QUARTZ-CARBONATE
BLCD	BLEACHED		ALTERATION
BLCHG	BLEACHING	QCCHL	QUARTZ CHLORITE
BRCD	BRECCIATED	QCV	QUARTZ-CARBONATE VEIN
BRXN	BRECCIATION	RQD	ROCK QUALITY INDEX
BX	BRECCIA	RT	RIGHT
CC	CALCITIC	SAA	SAME AS ABOVE
CG	COARSE GRAINED	SELV	SELVAGE
CHL	CHLORITE	SER	SERICITE
CHLC	CHLORITIC	SERC	SERICITIC
CO3	CARBONATE	SHRG	SHEARING
CPY	CHALCOPYRITE	SILC	SILICIC
CT	CONTACT	SILD	SILICIFIED
DB	DIRTY BLEBBY	SILN	SILICIFICATION
DEVD	DEVELOPED	SM	SMALL
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DOMY	DOMINANTLY	STR	STRONG
DTCA	DEGREES TO CORE AXIS	SZ	SHEAR ZONE
EOH	END OF HOLE	TEX	TEXTURE
EOINT	END OF INTERVAL	TOUR	TOURMALINE
EPI	EPIDOTE	TR	TRACE
ESP	ESPECIALLY	UCT	UPPER CONTACT
EUH	EUHEDRAL	V	VERY
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LOCY	LOCALLY	o	PERPENDICULAR
LX	LEUCOXENE	o	WITH
LXC	LEUCOXENITIC	o	AROUND
MAG	MAGNETITE	o	ANGLE
MG	MEDIUM GRAINED	o	
MIN	MINOR	o	
MIND	MINERALIZED	o	
MINN	MINERALIZATION	o	
MM	MILLIMETER	o	
MOD	MODERATE	o	
MSV	MASSIVE	o	
NUM	NUMEROUS	o	
OVB	OVERBURDEN	o	



- 1 ULTRAMAFIC VOLCANICS
- 2 MAFIC VOLCANICS
- 2 VAR. VARICLITIC MAFIC VOLCANIC'

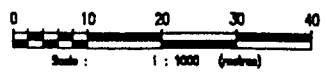
LOOKING NORTHEAST

SLG-01-04

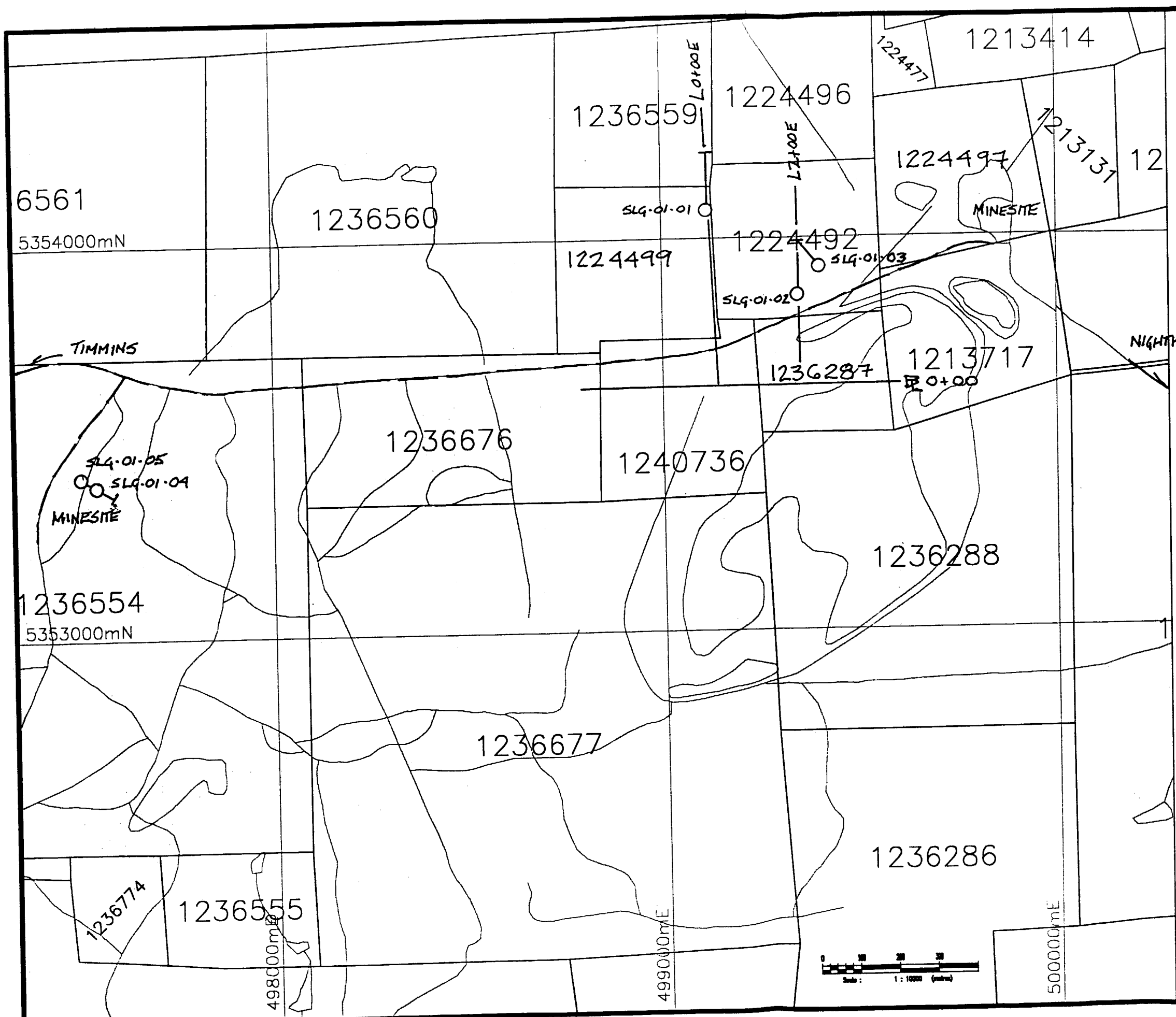
DIP: -43
 AZI: 120°
 EOH: 64m

SLG-01-05

DIP -44°
 AZI 120°
 EOH 56m



SEA EMERALD DEVELOPMENT CORP.	
DDH SECTION SLG-01-04, SLG-01-05	
PROPERTY:	DATE :
CLAIM :	SCALE : 1 : 10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS



GRID 1999 M.C. EXPLORATION

SEA EMERALD DEVELOPMENT CORP.	
DDH PLAN	
DDH SLG-01-05	
PROPERTY: LANGMUIR	DATE: JUNE 26/2001
CLAIM: 1236554	SCALE: 1:10000
POLK GEOLOGICAL SERVICES	SUPERIOR DRAFTING & GRAPHICS

Date: 2001-OCT-11

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

SEA EMERALD DEVELOPMENT CORPORATION
227 BIRCH NORTH, APT. B
TIMMINS, ONTARIO
P4N 6E4 CANADA

Tel: (888) 415-9845
Fax: (877) 670-1555

Submission Number: 2.21677
Transaction Number(s): W0160.30376

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

NOTE:

Final assessment of this report was completed with W0160.30228 (2.21511) as 45 day notices for both submissions were sent out at about the same time and the fact that the drilling was completed on the same property over the same time interval and filed by the same company. The information provided in response to the 45 day notices was also submitted at the same time.

The revisions outlined in the Notice dated August 24, 2001 have been received. Assessment work credit has been approved as outlined on the attached Work Report Summary. The response to the 45 day notice indicates that the samples have not as yet been assayed. In addition, a more detailed breakdown of expenditures has been provided. The helpers cost does not indicate whether any of this person's time was splitting the drill core. The program has been reduced to reflect time spent (approximated) by the helper in splitting the drill core (note: less core split here than in 2.21511, however, over 4 holes). A total of two day's work (\$300) has been reduced from the program. The assessment credit is being reduced by \$300. The TOTAL VALUE of assessment credit that will be allowed, based on the information provided in this submission, is \$30,990. The reduction has been prorated for the two claims where work was performed. Should you analyze the samples in the future and submit them for assessment credit, the costs of 2 days for the helper (\$300) will be eligible at that time.

If you have any question regarding this correspondence, please contact JIM MCAULEY by email at james.mcauley@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,



Ron Gashinski
Supervisor, Geoscience Assessment Office

Cc: Resident Geologist

Michel George Caron
(Claim Holder)

Denis Laforest
(Claim Holder)

Michael A Tremblay
(Claim Holder)

Sea Emerald Development Corporation
(Assessment Office)

Assessment File Library

Paul Charles Davis
(Claim Holder)

Jacques Robert
(Claim Holder)

Sea Emerald Development Corporation
(Claim Holder)

Date / Time of Issue Jun 6 2001 08:24h Eastern
TOWNSHIP / AREA PLAN
LANGMUIR G-3226

ADMINISTRATIVE DISTRICTS / DIVISIONS
Mining Division Porcupine
Land Titles/Registry Division Unavailable
Ministry of Natural Resources District Unavailable

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Province Park
- Indian Reserve
- City, P.A. and Etc.
- Contour
- Center - Approx. Authority Jurisdiction
- Sheet
- Main Highways
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wooded Area
- Monument - Cultural Historical, Provincial

LAND TENURE

- Freehold Patent
 - Surface and Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Leasehold Patent
 - Surface and Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Licence of Occupation
 - Lease and Minerals
 - Surface and Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Land Use Permit
- Open Pit Licence
- Water Power Lease Agreement
- Mining Claim

LAND TENURE WITHDRAWALS

- Area Withdrawn from Consideration
 - W100 - Surface and Mining Rights
 - W101 - Surface Rights Only
 - W102 - Mining Rights Only
 - W103 - Surface and Mining Rights
 - W104 - Surface Rights Only
 - W105 - Mining Rights Only

IMPORTANT NOTICES

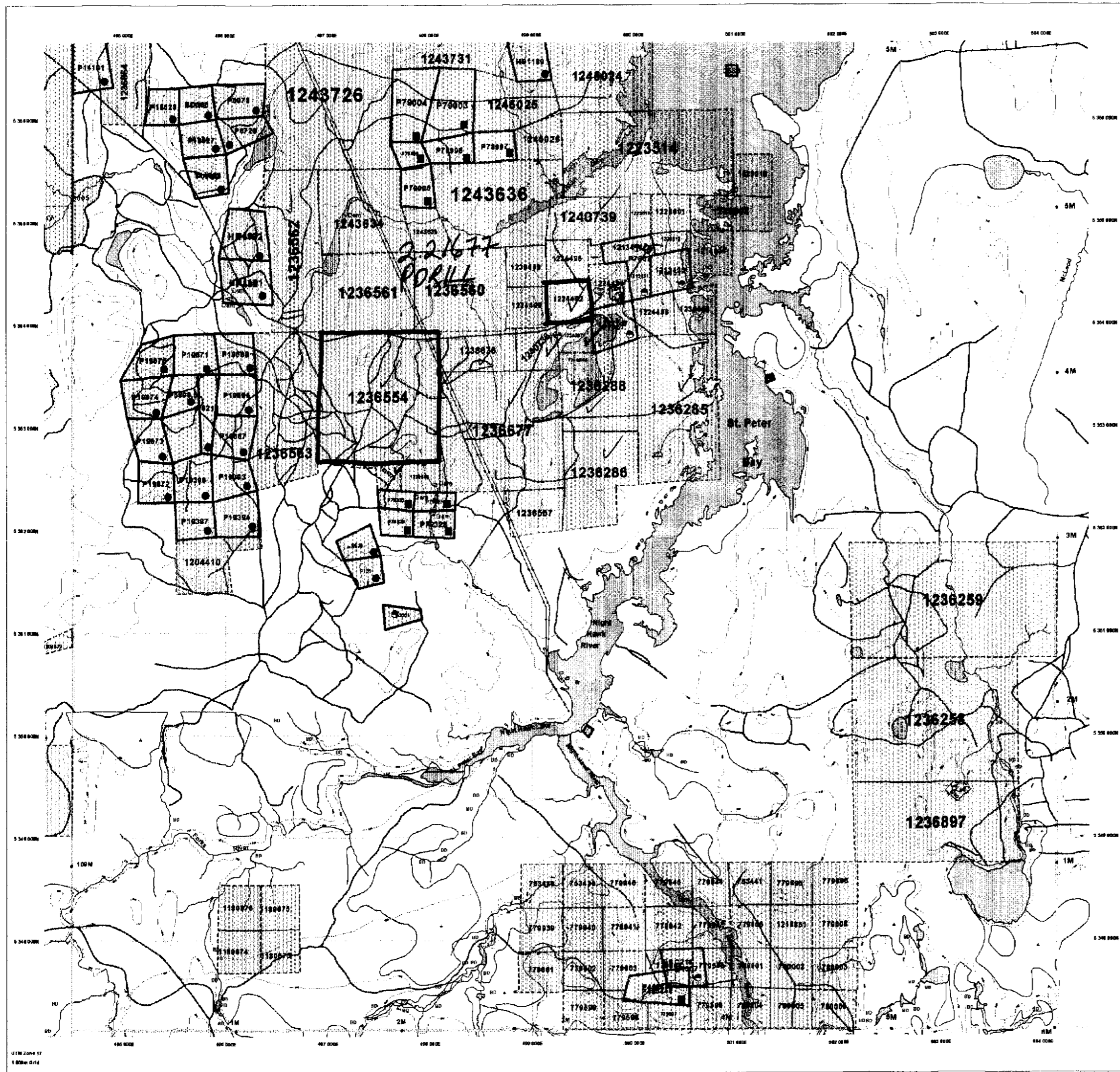


LAND TENURE WITHDRAWAL DESCRIPTIONS

Number	Year	Date	Description
3690	Year	Jun 1 2001	FLOODING RIGHTS ON RIGHT HAND BANKS TO THE CONTOUR ELEVATION IN SECT 27 RESERVED TO ONTARIO HYDRO
3695	Year	Jun 1 2001	APPLICATION PENDING UNDER P.L.A. SURFACE RIGHTS WITHDRAWAL
3692	Year	Jun 1 2001	DUCKS UNLIMITED - PENDING APPLICATION UNDER THE PUBLIC LANDS ACT SAID WITHDRAWAL

IMPORTANT NOTICES

Areas on this map which are subject to withdrawal, land bank or other conditions of use are indicated by shading and are subject to change without notice.



General Information and Limitations

Contact Information
Provincial Mining Recorder's Office
1000 Main Street, Suite 100
1000 Main Street, Suite 100
1000 Main Street, Suite 100
1000 Main Street, Suite 100

Map Details: N 40 00
Projection: UTM (8 500000)
Datum: North American Datum 83
Units: Meter

This map may not show all registered land tenure and interests in land including certain patents, leases, agreements, rights of way, easements, licenses, or other forms of land tenure that are not registered in the Provincial Mining Recorder's Office.

This map is not intended for navigation, survey, or any other purpose where accuracy is essential. The information shown is derived from digital data available in the Provincial Mining Recorder's Office. The Province of Ontario is not responsible for any errors or omissions in this map or for any loss or damage arising from its use.



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