



52N04SW0229 63.4523 BAIRD TWP

010

RPT on DD
Reduaram Red L. Mines Ltd

1984

DIAMOND DRILL RECORD

NAME OF PROPERTY Reduarum Red Lake Mines Limited
 HOLE NO. RRL - 1 LENGTH 357'
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP -45°
 STARTED Dec 1st FINISHED Dec 2nd, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 1 SHEET NO. 1

REMARKS _____

LOGGED BY R. McIntosh

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
0	62	Casing	56659		62	63	1.0					
62	105.7	Alteration Zone - altered mafic volcanic, 20 - 50% qtz carbonate veins and stringers varying from blocky brecciated patches and wormy veins to parallel alligned series of stringers - alteration irregular - individual zones around 1 foot vary in nature and type * v.g. - v. fine visible gold at 63.5 - fine disseminations - not in a vein but associated with grey qtz carb. - red brown carbonatization associated with pink carbonate (dolomite or rhodochrosite) at 72' - 73', 74' - 75', 80.2'-82' - these are highly foliated, chloritic with substantial talc with a cross cut type veining prevalent - talcose alteration pervasive - 76' - 78' magnetic- magnetism very patchy and irregular- - magnetic portions tend to be dark in the matrix and have parallel alligned stringers - no brecciated sections are magnetic - foliation parallel to veinlets 45° to core axis - sulphides - rare to fine dissem. Py and Cpy - in stringers and veinlets less than 1% overall.	56660		63	65	2.0					
			56661		65	67	2.0					
			56662		67	68.6	1.6					
			56669		68.6	69.6	1.0					
			56670		69.6	71.6	2.0					
			56671		71.6	73.6	2.0					
			56672		74.5	76.5	2.0					
			56673		80.0	82.0	2.0					
			56674		82.0	84.0	2.0					
			56675		84.0	86.2	2.2					
			56676		86.2	88.2	2.0					
			56677		89.5	91.5	2.0					
			56678		91.5	93.5	2.0					
			56679		94.0	96.0	2.0				.01	
105.7	106.7	Quartz Vein: upper contact 54° lower contact 51° } to core axis V.G. 10 - 15 identifiable crystals - largest about 1mm at a contact between the qtz vein and a 1 - 2" break in the vein- a green chloritic wormy brecciated section - vein also has associated Py and Cpy. - Au is flakey - lower contact of vein irregular as it leads into stringers.	56680		96.0	98.0	2.0					tr
			56681		98.0	100.0	2.0					tr
			56682		100.0	102.0	2.0					.01
			56683		102.0	104.0	2.0					tr
			56684		104.0	106.0	2.0					1.14A 2.20B

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 1 SHEET NO. 2

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
106.7	117.0	Breccia Zone - regular, clotty, circular to lenticular brecciation - absent veining or stringers - hard, indurated, silicified - sulphides absent.	6685		106.0	107.0	1.0			.01	
			6686		107.0	109.0	2.0			tr	
			6687		109.0	111.0	2.0			tr	
			6688		111.0	113.0	2.0			tr	
			6689		113.0	115.0	2.0			.01	
			6690		115.0	117.0	2.0			tr	
117.0	136.8	Iron Tholeiitic Basalt - highly altered, veined brecciated, - veining pervasive 1 - 3mm average, fairly regular 5 - 15% of core - matrix green to light green, chloritic, minor fuschite with chlorite - - pink carbonate clots 129.3 - 1" qtz vein - highly carbonatized surrounding it - increasing magnetism from slight at 127' to highly magnetic towards the lower zone contact - some minor to trace Py and Po less than 1% - veining 48° to core axis 129.2' - 130.0' - very high ankerite concentrations assoc. with 1/2" qtz vein	6691		117.0	119.0	2.0			tr	
			6692		119.0	121.0	2.0			tr	
			6693		121.0	123.0	2.0			.01	
			6694		123.0	125.0	2.0			tr	
			6695		125.0	127.0	2.0			.01	
			6696		127.0	129.0	2.0			.01	
			6697		129.0	131.0	2.0			.01	
			6698		131.0	133.0	2.0			.01	
			6699		133.0	135.0	2.0			tr	
			6670		135.0	137.0	2.0			tr	
136.8	151.7	Mafic Dike - Porphyritic in mafic phenocrysts 1 - 2mm - - minor sulphides Po less than 1% - sharp upper and lower contacts - (due to core loss at contacts estimates only on angle to core approx. 50°) - fine to med. grained granular - green grey to grey brown - several qtz stringers.									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 1 SHEET NO. 3

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	FOOTAGE			%	%	OZ/TON	OZ/TON	
				SULPHIDES	FROM	TO					TOTAL
151.7	184.4	<p><u>Talc Chlorite Schist (ultramafic)</u> - dark green to black magnetic matrix - very soft talcose - fine subparallel alignment of qtz carb. stringers - consistently 1 - 3mm - very fine irregular veining system includes many pink stringers - serpentine blades on fracture surfaces - minor magnetite - sulphides absent. - foliation parallel to veining 46° to core axis</p>	56601		152	154	2.0			tr	
			56602		154	156	2.0			"	
			56603		156	157.5	1.5			"	
			56604		157.5	159.5	2.0			"	
			56605		159.5	161.5	2.0			"	
			56606		161.5	163.5	2.0			"	
			56607		163.5	165.5	2.0			"	
			56608		165.5	167.5	2.0			"	
			56609		167.5	169.5	2.0			"	
			56610		169.5	171.5	2.0			"	
			56611		171.5	173.5	2.0			"	
			56612		173.5	175.5	2.0			"	
			56613		175.5	177.0	1.5			"	
			56614		177.0	179.0	2.0			"	
			56615		179.0	181.0	2.0			"	
		56616		181.0	183.0	2.0			"		
184.4	198.3	<p><u>Siliceous zone - highly altered and deformed brecciated and veined</u> - several stages of veining and deformation - 80 - 90% alteration - remnant matrix, a light milky green, blue green fuschite - up to 3% - pink carbonate in veins and clots - wormy brecciation (green grey portion) - 194.0 - 198.3 - near total silicification to a purple to light grey smoky quartz sulphides - 1-2% v.f.g. to fine disseminated Py in veinlets especially where the very siliceous section enclose less altered inclusions of matrix veining varies from 49° - 71° to core axis.</p>	56617		183.0	185.0	2.0			tr	
			56618		187.0	189.0	2.0			"	
			56619		189.0	191.0	2.0			"	
			56620		191.0	193.0	2.0			"	
			56621		194.2	196.2	2.0			"	
			56622		196.2	198.2	2.0			"	.04

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI - 1 SHEET NO. 4

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
198.3	281.4	<p><u>Siliceous Zone</u> (dark grey portion)</p> <p>- sulphide zone - dark grey siliceous - hard indurated quartz carb. veins and stringers - minor brecciated sections</p> <p>- veins 15-20% most 2-4mm</p> <p>- very dark cherty stringers assoc. with quartz sulphides 2-4% overall greater than 6% locally</p> <p>- colloidal Py, disseminated Py, Po stringers</p> <p>- sulphide concentrations highly variable and not dependent on intense veining although core fractures along cleavage shows slip side mineralization</p> <p>232-236 - poikioblastic alteration? - replaced amydules? (see RRL -3 - 197)</p> <p>240 - excellent Py concentrations - totally mineralized veins with assoc. cherty stringers - minor carbonatization</p> <p>- entire zone locally magnetic - poss. dependent on amounts and concentrations Po.</p> <p>- Po is a very dark bronze and tends to be coarser than Py although euhedral Py cubes are noted - e.g. 240.7'</p> <p>252.2 - 255'- total silicification - barren of sulphides - milky grey qtz</p> <p>- Py stringers at 260 parallel to veining 54° to core axis</p>	56623		198.2	200.0	1.8			.32	} 0.18 7/9.8'
			56624		200.0	202.0	2.0			.54	
			56625		202.0	204.0	2.0			.04	
			56626		213.0	215.0	2.0			.01	
			56627		215.0	217.0	2.0			tr	
			56628		217.0	219.0	2.0			tr	
			56629		219.0	221.0	2.0			"	
			56630		224.0	226.0	2.0			"	
			56631		227.5	229.5	2.0			"	
			56632		229.5	231.5	2.0			"	
			56633		237.0	239.0	2.0			"	
			56634		239.0	241.0	2.0			"	
			56635		244.5	246.5	2.0			"	
			56636		246.5	248.5	2.0			"	
			56637		253.0	255.0	2.0			"	
			56638		255.0	257.0	2.0			"	
			56639		257.0	259.0	2.0			"	
			56640		265.0	267.0	2.0			"	
			56641		267.0	269.0	2.0			"	
			56642		269.7	271.7	2.0			"	
			56643		271.7	273.7	2.0			"	
			56644		273.7	275.7	2.0			"	
			56645		275.7	277.7	2.0			.02	
			56646		277.7	279.7	2.0			.02	
281.4	321.6	<p><u>Tholeiitic Basalt</u></p> <p>gradational change to a less altered, very fig. less silicified lighter grey</p> <p>- thin qtz stringers much lower percentage of rock 3-5% - minor patches of silicification where deformation induces brecciation</p> <p>- again low sulphide content here</p> <p>- generally sulphides lower overall 1-3% exceptions at 298.1</p>	56647		289.4	291.4	2.0			.78	} 0.23 10.0
			56648		291.4	293.4	2.0			.14	
			56649		299.6	301.6	2.0			.01	
			56650		301.6	303.6	2.0			tr	
			56651		308.5	310.5	2.0			tr	
			56652		318.0	320.0	2.0			tr	

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI - 1 SHEET NO. 5

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		<ul style="list-style-type: none"> - very well mineralized about 10% - veining seeming more than 3' events - lateral off sets in more than 2 directions most veins 40° to core axis - patchy local magnetism - again, Po content likely cause - foliation and majority stringers and veins 48-52° to core axis - average 50° 								
321.6	326.0	<p><u>Mafic Dike</u> sharp upper/ lower contacts</p> <ul style="list-style-type: none"> - dark grey, porphyritic in qtz and mafic phenocrysts - magnetic - massive fine grained - contacts 45° to core axis 	56653		334.0	336.0	2.0			tr
			56654		338.4	340.4	2.0			tr
			56655		347.0	349.0	2.0			tr
			56656		349.0	351.0	2.0			tr
326.0	354.0	<p><u>Tholeiitic Basalt</u> cont. of previous unit</p> <ul style="list-style-type: none"> - several sulphide rich veins, some up to 1.5" e.g. 339.3 - and brecciated zones 335.5 but generally massive v.f.g. sulphide Py, Po less than 1% locally magnetic (see previous page) 	56657		353.2	355.2	2.0			tr
			56658		355.2	357.2	2.0			tr
354.0	357.0	<p><u>Siliceous Zone:</u></p> <ul style="list-style-type: none"> - brecciated siliceous zone 1-2% Py, Cpy and ± Aspy? - steel grey stringers may be Aspy - minor black cherty stringers 								
	357.0	End of hole.								

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum Red Lake Mines Limited
 HOLE NO. RRL - 2 LENGTH 377'
 LOCATION 0+00, 1+00N
 LATITUDE _____ DEPARTURE -45°
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED Dec. 2nd FINISHED Dec. 3rd 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL -2 SHEET NO. 1

REMARKS _____

LOGGED BY R. McIntosh

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Au.					
					FROM	TO	TOTAL	%	%	OZ/TON	OZ/TON		
0	66	Casing											
66.0	67.0	Tholeiitic Basalt (Mg) dark grey mildly siliceous - 10%, 1 -3 cm qtz stringers, 1 - 2% fine dissem. Py	56663		66.0	68.0	2.0		tr				
67.0	67.4	Fault Zone: highly ankeritic stained - red brown carbonatization in a qtz. carb. breccia.	56664		68.0	70.0	2.0		"				
67.4	97.0	Alteration Zone - possibly talc chlorite, schist, 30 - 75% qtz carbonate veins, stringers and deformation breccia - blocky to wormy brecciated patches, completely silicified (generally up to 1') - veins very irregular networks of cross cutting to parallel contorted - colour of matrix fairly consistent - light grey to greenish grey - green usually due to presence of chloritic patches - variable magnetism - some strong magnetic zones due to presence of Po especially between 109 - 110' - totally silicified or qtz vein gradational - 94.5 - 95.2 V.G. 2 identifiable .5mm flecks in a .71" quartz vein - collaform qtz with brecciation on either side - a few small flecks of black tourmaline vein has about 1% fine diss. Py only a few mm from the gold - generally 1 - 3% Py throughout zone minor Py and Tr Cpy - foliation 57% to core axis - approx. observation due to heavy brecciation and veining.	56665 56666 56667 56668 56669 56670 56671 56672 56673 56674		70.0 72.0 74.0 76.0 78.0 80.0 82.0 92.4 94.4 96.4	72.0 74.0 76.0 87.0 80.0 84.0 94.4 96.4	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	" " " " " " " " " "					
			56675 56676 56677 56678 56679 56680 56681		98.4 106.5 108.5 115.4 117.4 119.4 123.0	100.4 108.5 110.5 117.4 119.4 121.4 125.0	2.0 2.0 2.0 2.0 2.0 2.0 2.0	" " " " " " "					

.28A }
.32B } .05/60'
tr

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI. -2 SHEET NO. 2

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	OZ/TON AV	OZ/TON
					FROM	TO	TOTAL				
126.2	128.0	<u>Ankeritic Carbonatization</u> very red brown stained carb. stringers - talcose, chloritic with black specs of tourmaline - very irregular contacts with the alteration zone above and the siliceous zone below.									
97.0	126.2	<u>Talc Schist</u> - a talcose green to greenish black, locally magnetic - differs from previous holes in colour (greener here), veining is more wormy than cross cutting stringers but soft soapy texture could indicate a variation - or lateral ending to this talc schist unit. 2 - 3% Py - some 2mm euhedral cubes but most fine and dissem. - foliation 57° to core axis.									
128.0	172.0	<u>Siliceous Zone</u> 80 - 90% alteration (Green portion) - a light greenish grey to whitish grey - large (1 - 5") brecciated chunks with a green stringer system of chlorite and fuschite - blue green fuschite blebs prevalent across zone - patches may contain up to 5% (e.g. 135' and 152') - sulphides about 1% fine, diss. PY and stringers of fine specular steel grey Aspy + Py. - brecciation deformation cut by numerous qtz. carb. veinlets, both obscure foliation - no clear angle to core axis - roughly 45 - 50°	56683		133.0	135.0	2.0				tr
			56684		137.5	139.5	2.0				"
			56685		139.5	141.5	2.0				"
			56686		141.5	143.5	2.0				"
			56687		143.5	145.5	2.0				"
			56688		145.5	147.5	2.0				"
			56689		147.5	149.5	2.0				"
			56690		151.0	153.0	2.0				"
			56691		153.0	155.0	2.0				tr
			56692		155.0	157.5	2.5				"
			56693		157.5	159.5	2.0				"
			56694		165.0	167.0	2.0				"
			56695		167.0	169.0	2.0				"
			56696		169.0	171.0	2.0				"

-4-3-2-225 - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 2 SHEET NO. 3

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	Au. OZ/TON	OZ/TON	
					FROM	TO					TOTAL
172.0	197.0	<p><u>Siliceous Zone</u> - (dark grey portion) dark grey siliceous - very hard and indurated - brown grey may indicate biotitic - mainly veins and stringers and brecciation - veins 10 - 15% - sulphides 1 - 2% - locally 5% Py, Po, tr.Cpy, Aspy (galena?) veins average 38° to core axis</p> <p>197.5 - minor sericitic alteration</p>	56697		171.0	173.0	2.0			tr	
			56698		176.0	178.0	2.0			"	
			56699		179.3	181.3	2.0			"	
			56700		181.3	183.3	2.0			"	
			56801		184.4	186.4	2.0			"	
			56802		186.4	188.4	2.0			"	
			56803		188.4	190.4	2.0			"	
			56804		195.0	197.0	2.0			"	
197.5	234.5	<p><u>Granodiorite Dike</u> - sharp upper and lower contacts with grey siliceous zone at 42° to core axis on lower contact (upper obscured by broken core) - brownish grey green, mafic phenocrysts - feldspar - fine to med. grained, porphyritic - 2 - 3% fine diss. Py - Magnetic - cross cutting veins of qtz with brown alteration haloe - chill margin .6'. - solution cavity - coarse qtz, carb. xstals - highly carbonatized - possible fault?</p>									
234.5	349.0	<p><u>Siliceous Zone</u> - grey, dike chill margin contacts - although this zone is quite extensive it is highly variable concerning alteration type extent and nature: 237 - 278 - minor cross cutting veins - 1 - 2mm some veins faulted and faults (minor) replaced with sulphides - veining only up to 5% (e.g. 259.4') - sulphide vein 62° to core axis 249 - 253 - silicification 90% - minor tourmaline stringers - very few sulphides</p>	56805		250.0	252.0	2.0			tr	
			56806		252.0	254.0	2.0			"	
			56807		254.0	256.0	2.0			"	
			56808		256.0	257.5	1.5			"	
			56809		257.5	259.5	2.0			"	
			56810		267.0	269.0	2.0			"	
			56811		269.0	271.0	2.0			"	
			56812		275.0	277.0	2.0			"	
			56813		277.0	279.0	2.0			"	
			56814		279.0	281.0	2.0			.01	

LANGRIDDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI - 2 SHEET NO. 4

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	FOOTAGE		%	%	OZ/TON	OZ/TON	
				FROM	TO					TOTAL
349.0	377.0	278 - 307 - highly brecciated - deformation affecting 90% of core where totally silicified - this is patchy - occasional grey qtz veins up to 5cm these are highly sulphide rich - no evident V.G. - sulphides - 1-2% fine diss. to coarse colloidal Py in veins and stringers where sulphide concentrations are along qtz carb. fracture fillings. - minor Po trace Cpy, Aspy. - Aspy in very fine steel grey stringers usually assoc. with tourmaline. 307 - 338.4 - very fine veining - cross cutting stringers.	56815	281.0	283.0	2.0			tr	
			56816	283.0	285.0	2.0			"	
			56817	285.0	287.0	2.0			"	
			56818	287.0	289.0	2.0			"	
			56819	295.0	297.0	2.0			"	
			56820	297.0	299.0	2.0			"	
			56821	299.0	301.0	2.0			"	
			56822	305.0	307.0	2.0			"	
			56823	307.0	309.0	2.0			"	
			56824	313.0	315.0	2.0			"	
			56825	324.5	326.5	2.0			"	
			56826	327.0	329.0	2.0			"	
			56827	329.0	331.0	2.0			"	
			56828	337.0	339.0	2.0			"	
			56829	339.0	341.0	2.0			"	
			56830	343.3	345.3	2.0			"	
			56831	358.6	360.0	2.0			"	
			56832	362.8	364.8	2.0			"	
			56833	370.0	372.0	2.0			"	
			377		End of hole.					

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum
 HOLE NO. RRL - 3 LENGTH 407'
 LOCATION 0+45W, 0+40N
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP -45°
 STARTED Dec. 3rd FINISHED Dec 4th 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 3 SHEET NO. 1

REMARKS _____

LOGGED BY R. McIntosh

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
0	26	Casing in overburden								
26	51.5	<p><u>Tholeiitic Basalt (mg - rich)</u> - highly altered 25 - 35% veinlets qtz - carbonate varies from fine stringers 1/4" to .8' - milky whitish grey - qtz greater than carbonate - matrix - grey green - aphanitic to porphyritic in blebs of chert and minor sulphides - chloritic - veinlets irregular - some parallel to foliation, others crosscut the core - some brecciated with mineral. - section average 2 - 3% sulphides - higher locally where veins and stringers are within qtz-carb bands - sulphides vary from v.f.g. dissem to fine euhedral in both dissem. and veinlets. - Py, Aspy, minor Cpy, and magnetite assoc. with arsenopyrite in veinlets and bands - section locally magnetic clue to magnetite 42 - 51.5 - best mineralization - most prevalent where veinlets are over 1/4" up to .8' steel grey alteration (Aspy?) before some of the better well mineralized veins.</p>	6604		26.0	28.0	2.0			tr
			6605		29.0	31.0	2.0			tr
			6606		42.0	44.0	2.0			tr
			6607		44.0	46.0	2.0			tr
			6608		46.0	48.0	2.0			tr
			6609		48.0	50.0	2.0			tr
			6610		50.0	52.0	2.0			.01
51.5	53.4	<p><u>Siliceous Zone - totally recrystallized sericitic zone - v.f.g. dissem. Py</u> - cherty stringer less than 1mm - light buff grey to greyish white - stringers are regular and conformable sharp upper contact marked by a dark cherty stringer above which is a 1/4" qtz-carb vein - well mineralized - contact 70° to core axis - (parallel to foliation)</p>	6611		52.0	54.0	2.0			tr

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI - 3 SHEET NO. 2

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
53.4	57.5	Alteration Breccia - wormy to lenticular blebs of qtz carb veins - broken and cutby drk grey cherty to siliceous bands - minor magnetite, 1% py except for 3/4" vein - well mineralized 4% Py euhedral fine grained along vein contact with host rock and fine hairline fracture fillings (vein at 54.6) - angle to core of vein - 30° to core axis								
57.5	114.9	Talc Chlorite Schist (altered ultramafic) highly altered - parallel swarms of qtz carb. veinlets ribboned in places. White to pinkish veinlets fairly regular. (sample assay 1.16 at 72.4 - qtz vein with v.g.) - upper contact gradational - more siliceous several veins up to 1" - sulphides rare to tr less 1% - occasional well mineralized qtz veins - foliation tends to be parallel to veining - most veins under 1/4" average 1/8 - 1/16" - clotly chloritic to talcose portions - carbonate - grey calcite - foliation 44° to core axis	6613		72.0	74.0	2.0			1.16
114.9	123.5	Granodiorite Dike sharp upper contact with talc chlorite schist at 60°. - brownish grey green - fig. porphyritic mafic phenocrysts - relatively fresh - generally consist magnetic (moderately) - grain size chilled upper margin coarsening downward. - 2 - 3% fine to v.f. dissem. Py in matrix locally - cross cutting veinlets to veins of tourmaline rich zone - 1 - 2" of a light brown alteration- haloe - mineralization in veins greater 5% - in stringers - Py much coarser - euhedral grains - tourmaline either massive or in fine asicular aggregates and is associated with a very white quartz - sharp bottom contact with talc chlorite schist.	5614		115.0	117.0	2.0			tr

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 3 SHEET NO. 3

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
123.5	140.3	Talc Chlorite Schist (same as above) - 2 foot alteration zone at upper contact (123.5 - 125.5) highly carbonatized red brown - very soft.								
140.3	177.8	Siliceous Zone - moderate to highly altered mafic volcanic with qtz carb. veins and stringers - 40 - 50% (green grey portion) - irregular blebs and silicified patches as well as 1/8 - 1/4" stringers - sulphides about 1% - Py, Po tr Cpy - variable concentrations in more altered areas up to 2 - 3%. (note: 157 - 177 marked decrease in overall sulphide content less 1%)	6615		145.0	147.0	2.0			tr
			6616		147.0	149.0	2.0			"
			6617		149.0	151.0	2.0			"
			6618		151.0	153.0	2.0			"
			6619		153.0	155.0	2.0			"
			6620		155.0	157.0	2.0			"
			6621		157.0	159.0	2.0			"
			6622		173.0	175.0	2.0			"
177.8	267.0	Siliceous Zone (dark grey portion) - qtz - carb veins, stringers and veinlets - less overall percentage than above 25 - 30% - veins subparallel in alignment to foliation - local appearance of very dark black cherty veins with veinlet swarms - sulphides 3 - 5% overall - local concentrations within highly siliceous zones - 7 - 9% sulphides Py, and tr Po. - alteration brecciation common, replaced by fine dissem. Py - minor fuschite assoc. with chlorite - cherty portions show conchoidal fractures - at 197 - subspheroidal blebs (replaced amygdules?) poikioblastic alteration - colloidal Py at 247' 253.4' - 257.9' - totally silicified bluegrey to milkish white qtz - mineralized.	6623		179.0	181.0	2.0			"
			6624		181.0	183.0	2.0			"
			6625		183.0	185.0	2.0			"
			6626		185.0	187.0	2.0			"
			6627		187.0	189.0	2.0			"
			6628		189.0	191.0	2.0			"
			6629		191.0	193.0	2.0			"
			6630		193.0	195.0	2.0			"
			6631		195.0	197.0	2.0			"
			6632		197.0	199.0	2.0			"
			6633		199.0	201.0	2.0			"
			6634		201.0	203.0	2.0			"
			6635		203.0	205.0	2.0			"
			6636		205.0	207.0	2.0			"
			6637		207.0	209.0	2.0			"
			6638		209.0	211.0	2.0			"
			6639		211.0	213.0	2.0			"
267		- gradational contact with a less highly silicified at 267'								

<u>No.</u>	<u>From</u>	<u>To</u>	<u>Total</u>	<u>Oz/Ton</u>
6640	213.0	215.0	2.0	tr
6641	215.0	217.0	2.0	"
6642	217.0	219.0	2.0	"
6643	219.0	221.0	2.0	"
6644	221.0	223.0	2.0	"
6645	223.0	225.0	2.0	"
6646	225.0	227.0	2.0	"
6647	227.0	229.0	2.0	"
6648	229.0	231.0	2.0	"
6649	231.0	233.0	2.0	"
6650	233.0	235.0	2.0	.01
6651	235.0	237.0	2.0	.01
6652	237.0	239.0	2.0	tr
6653	239.0	241.0	2.0	"
6654	241.0	243.0	2.0	"
6655	243.0	245.0	2.0	"
6656	245.0	247.0	2.0	"
6657	247.0	249.0	2.0	"
6658	249.0	251.0	2.0	"
6659	251.0	253.0	2.0	.01
6660	253.0	255.0	2.0	tr
6661	255.0	257.0	2.0	"
6662	257.0	259.0	2.0	"
6663	259.0	261.0	2.0	"
6664	261.0	263.0	2.0	"
6665	263.0	265.0	2.0	.01
6666	265.0	267.0	2.0	tr
6667	267.0	269.0	2.0	tr

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 3 SHEET NO. 4

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
267.0	302.3	<u>Tholeiitic Basalt (Fe - rich)</u> - slightly to fresh locally silicified altered very thin qtz stringers locally exhibiting tendency as per above to contain cherty ribbons - greater % ages of sulphides here although minor throughout zone - med grey to light grey - porphyritic locally sulphides about 1%								
302.3	325.0	<u>Epidote / Tourmaline Alteration Zone</u> - fine to med. grained, light to med. grey mafic volcanic - moderate to high, alteration by apple green epidotization in blochey blebs and assoc. with dark purple grey tourmaline in stringers. - noticeable absent qtz carb. stringers and any dissem. Py - minor magnetite in stringers? - steel grey reflective v.f.g. sulphide content about 1% - epidote / tourmaline concentrations up to 80% in local patches generally 30 - 40% of whole rock.								
325.0	398.4	<u>Tholeiitic Basalt (Fe - rich)</u> - slight epidotization but generally slightly altered - locally qtz carb. stringers but minor. - strong magnetism - magnetite in fine disseminations - green grey, fine to med. grained porphyritic.								
398.4	401.1	<u>Brown Grey Alteration Zone-</u> - 15 - 20% dissem. Py + Magnetite in fine grained euhedral to subhedral xstals. - unit a brown to bronzy grey colour - possible biotite alteration? - upper and lower contacts sharp 45° to core axis - porphyritic in fine grained mafic phenos - biotite? - several small (1/8" - 1/16") fine stringers of qtz and dark chert.	6668		392.0	397.0	5.0			tr

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 3 SHEET NO. 5

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
401.1	407.7	Tholeiitic Basalt (Fe - rich) same as above								
	407.7	End of hole								

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum
 HOLE NO. RRL - 4 LENGTH 405'
 LOCATION 1+00W, 0+00
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP -45°
 STARTED Dec 5th FINISHED Dec 7th, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 4 SHEET NO. 1

REMARKS _____

LOGGED BY R. McIntosh

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	38	Casing									
38.5	55.5	Alteration Breccia Zone: - very high altered veined, stringers and breccia - at least 3 veining episodes cross cutting swarms in the more predominant brecciation deformation. - silicification moderate to extreme especially in wormy brecciation patches - assoc. tourmaline v. fine dissem. Py ±1% - several grey qtz veins up to 3/4" - Cpy greater than Py in these veins - light grey to milky grey - aphanitic - chloritic on vein cleavages - veins 48° to core axis	56839		38.0	40.0	2.0			tr	
			56840		40.0	42.0	2.0			"	
			56841		42.0	44.0	2.0			"	
			56842		44.0	46.0	2.0			"	
			56843		46.0	48.0	2.0			"	
			56844		48.0	51.0	3.0			"	
			56845		51.0	53.0	2.0			"	
			56846		53.0	55.0	2.0			.01	
55.5	66.4	Porphyritic Andesite light green, med. to coarsed grained, spheroidal to circular ±5mm grains - many veins up to 1" are faulted and offset e.g. 61" - have 2-3% Cpy - moderately silicified, highly chloritic veins 77° to core axis - carbonatized (ankeritic alteration) along vein fractures near upper dike contact - minor fine disseminated Py trace Po	56847		55.0	57.0	2.0			tr	
			56848		57.0	59.0	2.0			"	
			56849		59.0	61.0	2.0			"	
			56850		61.0	63.0	2.0			"	
66.0	85.0	Granodiorite Dike brown grey fine to med. grained - pink feldspar phenocrysts. veins have tourmaline and the light brown haloe - Cpy and Py vary less than 1% matrix 3-5% veins where Cpy is greater than Py - upper lower chill margins is about 3"									

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI -4 SHEET NO. 2

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE FROM TO TOTAL	%	%	OZ/TON	OZ/TON	
85.0	138.4	<p><u>Talc Chlorite Schist</u> - upper contact with dike chill margin very rubbly</p> <ul style="list-style-type: none"> - two distant zones within the talc schist 1. 85 - 125 - more silicified, more indurated however still in relation to alteration zones - veining less regular, more brecciation (patchy) but highly magnetic across zone - more green greyer, absence of pink carb. 2. 125 - 138.4 - the black, highly sheeted veinlet very magnetic - pink carb. stringers - veining chloritic, very very talcose - 137 - vein with 3-5mm euhedral Cpy - 0+127, several feet of very regular parallel pink veinlets at 47° to core axis - good measurements available in this very schistose zone - lower contact gradational with green silicious zone 								
138.4	145.0	<p><u>Siliceous Zone</u> green, highly altered, brecciated and veined</p> <ul style="list-style-type: none"> - offset veins and qtz carb. patches - greenish grey matrix - chloritic less than 1% Py - fine disseminated - irregular blebs and silicified patches - grades into green carbonate. 	56862		139.0	141.0	2.0			Tr.
			56863		141.0	143.0	2.0			"
			56864		143.0	145.0	2.0			"
145.0	159.8	<p><u>Green Carbonate</u> - chrome green - veins and stringers of qtz and black to grey calcite greater than 20%</p> <ul style="list-style-type: none"> - matrix green due to high chlorite + fuschite + talc - minor tourmaline - sulphides rare tr. Py, Cpy 157 - 159 massive (non-veined) green carbonate - fuschite greater than 10% - blue green blebs and stringers. - sharp lower contact with the grey siliceous zone - veins and foliation 49 - 51° to core axis 	56865		145.0	147.0	2.0			"
			56866		147.0	149.0	2.0			"
			56867		149.0	151.0	2.0			"
			56868		151.0	153.0	2.0			"
			56869		153.0	155.0	2.0			"
			56870		155.0	157.0	2.0			"
			56871		157.0	159.0	2.0			"
			56872		159.0	161.0	2.0			"

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 4 SHEET NO. 3

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
159.8	202.0	<u>Siliceous Zone</u> - 'dark grey portion' - 25 - 30% qtz carb veins and stringers - very unique nature to veining - resembles cracked ice with fine less than 1mm stringers in a cross hatched network - very sulphide rich locally - 3-9% - very heavy mineralized veinlets - sulphides Py, Cpy, Po, and trace Aspy - extremely fine Py in places (poss. v.g. between 187-189) brecciation patches (e.g. 192' - spheroidal) - 1" -4" clots in a relatively unaltered matrix with sulphide mineralization on perimeters - 200'-202' - yellow brown sericitic alteration	56873		161.0	163.0	2.0			tr	
			56874		163.0	165.0	2.0			"	
			56875		165.0	167.0	2.0			tr	
			56876		167.0	169.0	2.0			"	
			56877		169.5	171.5	2.0			"	
			56878		179.0	181.0	2.0			"	
			56879		181.0	183.0	2.0			"	
			56880		183.0	185.0	2.0			"	
			56881		185.0	187.0	2.0			0.01	} 0.16/4.0
			56882		187.0	189.0	2.0			0.12	
			56883		189.0	191.0	2.0			0.34	
			56884		191.0	193.0	2.0			tr	
			56885		193.0	195.0	2.0			tr	
			202.0	210.5	<u>Green Carbonate</u> - same as previous notes - fuschite up to 7% over 1.5' (208 - 209.5)	56886		202.5	204.5	2.0	
56887		204.5				206.5	2.0			tr	
56888		206.5				208.5	2.0			tr	
210.5	324.0	<u>Siliceous Zone</u> - dark grey similar alteration as previously noted between 159.8 - 202.0 - sulphides consist of pyrite - several totally recrystallized portions (e.g. 284'-287' about 90-95% silicified) v.f.g. dissem. Py - wormy brecciation - minor sericitic alteration. 2" qtz carb. vein @ 292' Cpy stringers near vein contact - locally magnetic, approx. 30% of zone - lower contact with mafic dike - gradational to chill margin at 49° to core axis	56889		221.0	223.0	2.0			tr	
			56890		223.0	225.0	2.0			tr	
			56891		225.0	227.0	2.0			"	
			56892		227.0	229.0	2.0			"	
			56893		229.0	231.0	2.0			"	
			56894		237.0	239.0	2.0			"	
			56895		239.0	241.0	2.0			"	
			56896		241.0	243.0	2.0			"	
			56897		243.0	245.0	2.0			"	
			56898		245.0	247.0	2.0			"	
			56899		247.0	249.0	2.0			"	
			56900		249.0	251.0	2.0			"	
56901		251.0	253.0	2.0			"				
56902		253.0	255.0	2.0			"				

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI - 4 SHEET NO. 4

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
			56903		255.0	257.0	2.0			tr
			56904		259.0	261.0	2.0			"
			56905		267.0	269.0	2.0			"
			56906		269.0	271.0	2.0			"
			56907		277.0	279.0	2.0			"
			56908		279.0	281.0	2.0			"
			56909		285.0	287.0	2.0			"
			56910		287.5	289.5	2.0			"
			56911		289.5	291.5	2.0			"
			56912		291.5	293.5	2.0			"
			56913		293.5	295.5	2.0			"
			56914		297.0	299.0	2.0			"
			56915		299.0	301.0	2.0			"
			56916		301.0	303.0	2.0			"
			56917		307.0	309.0	2.0			"
			56918		309.0	311.0	2.0			"
			56919		311.0	313.0	2.0			"
			56920		313.0	315.0	2.0			"
			56921		315.0	317.0	2.0			"
			56922		319.4	321.4	2.0			tr
324.0	330.3	Mafic Dike fine grained massive, fine dissem. Py - two small qtz carb. veins with brown halves - lower contact 51° to core axis.								
330.3	335.7	Siliceous Zone - dark grey, brecciation and veining - - sulphides in veins around alteration breccia, 3-5% locally but approx. 1-2% over zone - veins are offset 1-3cm by small faults - replaced by sulphides.								
335.7	336.8	Breccia Zone - primary fragments of either white rhyolite or B.I.F								

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

RRI - 4 5
 HOLE NO. _____ SHEET NO. _____

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		- fragments very angular ranging from 2mm - 3cm - several fragments have parallel laminations of chert and sulphide (i.e. BIF) - matrix - fig. grey mafic volcanic								
336.8	356.8	<u>Tholeiitic Basalt:</u> Fine to medium grained, porphyritic in mafic phenocrysts - minor veining about 5% - fine euhedral Py within veins along contacts with matrix								
356.8	362.0	<u>Gabbroic Flow or Diorite:</u> altered, med grained - light green matrix - dark phenocrysts - gabbroic texture - no clear intrusive contacts evident - gradational with upper and lower zones - veining 2-5% - minor sulphide mineralization within the veins - - maybe a coarse fraction of a thick flow								
362.0	377.0	<u>Tholeiitic Basalt:</u> medium grained, same as 336.8 - 356.8' - sulphides - euhedral Py approx 1-2%, grains .1-.5mm	56924		363.0	365.0	2.0			tr
			56925		365.0	367.0	2.0			"
377.0	383.7	<u>Siliceous Veined Zone</u> - gradation into a highly deformed veined alteration - fine to med. grained green grey matrix - qtz carb. veining parallel to schistosity at 66° to core axis - small veins offset by minor faults dissem + veins and stringers	56926		377.8	379.8	2.0			"
383.7	392.0	<u>Banded Iron Formation-</u> oxide facies - parallel cherty laminations 4-8cm								

LANGRIDGES - TORONTO - 366-1188

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 4 SHEET NO. 6

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON	
					FROM	TO					TOTAL
		- bands 52° to core axis - nearly 99% silica - extensive sulphide mineralization Py up to 75% in places e.g. 389.7 massive Py - generally Py at 10% - assoc. magnetite and Po - matrix a greyish white to very dark black - laminations regular, repetitive most replaced along edges with sulphides - veining is minor although some carbonatization detected - sharp upper contact - 12° to core axis - poorly defined lower contact - cherty laminations end gradationally with mafic volcanic - no measurement available.	56927		383.7	385.7	2.0			tr	
			56928		385.7	387.7	2.0			"	
			56929		387.7	389.7	2.0			"	
			56930		389.7	391.7	2.0			"	
392.0	405	Mafic Volcanic (Mg - Thol. basalt?) - altered - med grained porphyritic with 5-10% veins and stringers - v.f. disseminated Py approx. 1-2% - locally magnetic									
	405	End of hole									

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum Red Lake Mines Ltd.
 HOLE NO. RRL - 5 LENGTH 327'
 LOCATION 2+00W, 0+10N
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP -45°
 STARTED Dec. 9th FINISHED Dec 10th, 1984

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 5 SHEET NO. 1

REMARKS _____

LOGGED BY R. McIntosh

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
0	49.6	Casing									
49.6	75.8	Brecciated Alteration Zone: intensely brecciated, deformed and veined - veins 20-40% - highly convoluted veining - cross cutting stringers most exhibiting small faults and offsets - spotty sericitic alteration - most veins under 2cm except at 74.0 - 11" qtz vein - v.g. - one .5mm speck of gold with a smokey grey qtz vein near contact with host rock - vein is internally brecciated between carbonate and qtz xstals. - veins have 1-2% Py, Cpy and tr. Po in matrix.	56931		55.0	57.0	2.0			TR.	
			56932		57.0	59.0	2.0			"	
			56933		59.0	61.0	2.0			"	
			56934		61.0	63.0	2.0			"	
			56935		63.0	65.0	2.0			"	
			56936		65.0	67.0	2.0			0.01	
			56937		67.0	69.0	2.0			TR.	
			56938		71.0	73.0	2.0			0.01	
			56939		73.0	75.0	2.0			0.36	
			56940		75.0	77.0	2.0			0.46	
		V.G. [
75.8	78.0	Fault Zone: ankeritic carbonatization, - red to orange brown ankeritic staining, - very sheared and fissile rock, 2-5cm qtz veins with Cpy have ankerite alteration haloes. - very weathered, minor talc, very chloritic, - overall colour is a reddish green - veining at 43° - 49° to core axis - lower contact of fault zone at 31°	56941		77.0	79.0	2.0			"	
78.0	115.7	Porphyritic Andesite or Mafic Tuff: - light green grey to grey, med. grained, porpyroblasts (or poss. fragments) 1-4mm, sub spheroidal. - zone is intensely deformed - brecciation and veining up to 60% - many veins with 'ice fracture' hairline cracks over 1" (e.g. at 92.0' and 101' - 106') - veins contain substantial fuschite stringers usually assoc. with a dark grey white qtz carb. (e.g. at 102') - sulphides generally less than 1%, veins contain 1-3% Py greater than Cpy	56942		79.0	81.0	2.0			"	
			56943		81.0	83.0	2.0			"	
			56944		83.0	85.0	2.0			"	
			56945		85.0	87.0	2.0			"	
			56946		87.0	89.0	2.0			"	
			56947		89.0	91.0	2.0			"	
			56948		91.0	93.0	2.0			0.01	
			56949		93.0	95.0	2.0			TR.	
			56950		99.0	101.0	2.0			0.01	

} .16 / 6.0'

LANGRISHES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRI - 5 SHEET NO. 2

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON			
					FROM	TO					TOTAL		
115.7	237.0	- vein contacts vary from very smooth, regular contacts to very contorted nearly gradational boundaries with host rock. - locally magnetic and minor talc-chlorite alteration - much less indurated as siliceous zones but harder than talc schist.	56951		101.0	103.0	2.0			0.01			
			56952		103.0	105.0	2.0			TR.			
			56953		105.0	107.0	2.0			"			
			56954		112.3	114.3	2.0			"			
			56955		122.0	124.0	2.0			"			
		237.0	239.0	<u>Oxide Facies - Cherty Iron Formation:</u> - dark grey to black, siliceous iron formation - highly magnetic - locally, approximately 90% massive magnetite - banding is rare generally massive chert - veining is low - 5-10% fine qtz-carb. stringers - magnetite is assoc. with most of the veined sections 127'-129.3' - alteration is intense - veining near 75% - greater percentage of sulphides 3-5% - 133-137' - black massive chert - magnetite over 1-4" in sections - massive in places - poss. Aspy assoc. in with magnetite. (magnetite is not crystalline but massive) - 167.5 - well banded - laminations 2-3cm at 41° to core axis - 182.4 - magnetite in veins assoc. with qtz carb. stringers - poss. tourmaline - 207 - 222 - variably magnetic - banding at 42°	56956		124.0	126.0	2.0			"	
					56957		132.7	134.7	2.0			"	
					56958		134.7	136.7	2.0			"	
					56959		137.0	139.0	2.0			"	
					56960		139.0	141.0	2.0			"	
					56961		141.0	143.0	2.0			"	
					56962		143.0	145.0	2.0			0.02	
					56963		153.0	155.0	2.0			0.01	
					56964		155.0	157.0	2.0			TR.	
					56965		157.0	159.0	2.0			"	
					56966		159.0	161.0	2.0			0.01	
					56967		161.0	163.0	2.0			"	
					56968		163.0	165.0	2.0			"	
					56969		165.0	167.0	2.0			"	
					56970		180.0	182.0	2.0			"	
56971		182.0	184.0	2.0			"						
56972		187.0	189.0	2.0			"						
56973		189.5	191.5	2.0			"						
56974		191.5	193.5	2.0			"						
56975		197.0	199.0	2.0			"						
56976		199.0	201.0	2.0			"						
		<u>Green Siliceous Alteration Zone:</u> - sharp contact between iron formation and this zone - green grey fine grained - intense veining - 70%											

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL - 5 SHEET NO. 3

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS			
FROM	TO		NO.	SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON
					FROM	TO				
		- minor fine disseminated Py - some pink carbonate within veining - contact at 44° to core axis								
239.3	248.0	<u>Tholeiitic Basalt</u> - massive aphanitic flow - medium to dark grey - 1-2% fine veinlets but relatively unaltered - barren of sulphides - non-magnetic (Mg - rich)								
248.0	257.0	<u>Altered Gabbroic Intrusive (mafic)</u> - poss. a small sill or lens - sharp contacts - upper 43° - lower 47° to core axis - highly silicified - however med. grained porphyritic matrix 30-60% - some up to 5" (e.g. at 252') - sulphides 2-4% - much higher in veins.	56978		250.7	252.7	2.0		TR.	
			56979		252.7	254.7	2.0		"	
			56980		254.7	256.7	2.0		"	
257.0	366.5	<u>Talc Chlorite Schist</u> - similar to all previous holes - no pink carbonate - vein at 289' - 4" - qtz carb. with fine Cpy - sharp lower contact at 24° to core axis.	56982		269.0	271.0	2.0		"	
			56983		271.0	273.0	2.0		"	
			56984		273.0	275.0	2.0		"	
			56985		275.0	277.0	2.0		"	
			56986		277.0	279.0	2.0		"	
			56987		285.0	287.0	2.0		"	
			56988		287.0	289.0	2.0		"	
			56989		289.0	291.0	2.0		"	
306.5	327.0	<u>Green Siliceous Zone</u> - green grey highly siliceous - fine to med. grained - green carb. fuschite and chlorite (fairly minor) contribute to the green nature of core - fine mafic phenocrysts - ferromags - hornblende - veining variable 5-30% - minor sulphides - tr. Cpy.	56990		310.0	312.0	2.0		"	
			56991		317.0	319.0	2.0		"	
			56992		319.0	321.0	2.0		"	
			56993		321.0	323.0	2.0		"	
			56994		323.0	325.0	2.0		"	
			56995		325.0	327.0	2.0		"	
327		End of hole.								

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum Red Lake Mines Ltd.
 HOLE NO. RRL-6 LENGTH 357'
 LOCATION Base Line 0+00, 3+00W
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP -45°
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL-6 SHEET NO. 1

REMARKS _____

Drilled by Morissette
 BQ core

LOGGED BY R. McIntosh

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ/TON	OZ/TON		
					FROM	TO					TOTAL	
0	44.0	Casing	56501		59	61	2.0			Tr.		
44.0	122.3	<u>Talc Chlorite Schist</u>	56502		61	63	2.0			"		
		Very grey green, highly to moderately talcose. Moderate to heavy Q.C.V. across the zone most less than 1/2" and ptymatic in nature. Patchy sericitization within the veins. (Substantial carbonate content and rather green colour may warrant a "Carbonate" heading as a Talc Chlorite Carbonate Schist' although chlorite is still dominant) 97.7 - 100.3 - Very heavy Q.C.V. Coarse quartz and carbonate with chloritic stringers.	56503		63	65	2.0			"		
			56504		65	67	2.0			"		
			56505		67	69	2.0			"		
			56506		69	71	2.0			"		
			56507		71	73	2.0			"		
			56508		73	75	2.0			"		
			56509		75	77	2.0			"		
			56510		77	79	2.0			"		
			56511		79	81	2.0			"		
			56512		81	83	2.0			"		
			56513		83	85	2.0			"		
122.3	192.2		<u>Silicified Tholeiitic Basalt - Alteration Zone - Green Grey Portion</u>	56514		85	87	2.0			"	
			Green grey to light grey green massive flow. Fine to med. grained highly altered with heavy Q.C.V. Very chloritic in less silicified parts, milky grey in heavy silicified parts. 122.8 - 123.0 - Q.C.V. with tr. Po, Py 132.0 - 137.7 - Highly siliceous with heavy Q.C.V tr. Py. 147.6 - 149.0 - 156.3 - 158.0 - Q.C.V with chloritic stringers Generally zone is highly silicified with moderate to heavy Q.C.V, mostly barren but tr. Py 182.0 - 185.0 - Quartz carbonate zone 187.2 - 190.7 -	56515		87	89	2.0			"	
				56516		89	91	2.0			"	
		56517			91	93	2.0			"		
		56518			93	95	2.0			"		
		56519			95	97	2.0			"		
		56520			97	99	2.0			"		
		56521			99	101	2.0			"		
		56522			101	103	2.0			"		
		56523			103	105	2.0			"		
		56524			105	107	2.0			"		
		56525			107	109	2.0			"		
		56526			109	111	2.0			"		
		56527			111	113	2.0			"		
		56528			113	115	2.0			"		
		56529		115	117	2.0			"			
		56530		117	199	2.0			"			
		56531		119	121	2.0			"			
		56532		122	124	2.0			"			

DIAMOND DRILL RECORD

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL-6 SHEET NO. 2

REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON
					FROM	TO	TOTAL				
192.2	221.6	Tholeiitic Basalt - Mg - Rich Light green grey, massive, aphanitic. Infrequent, regular Q.C. stringers.	56533		124	126	2.0			"	
			56534		126	128	2.0			"	
			56535		128	130	2.0			"	
			56536		130	132	2.0			"	
221.6	236.2	Silicified Tholeiitic Basalt - Alteration Zone" Green grey portion" Continuation of previously logged unit with similar characteristics <u>223.2 - 224.3 - Brecciated pygmatic Q.C.V.</u> <u>228.0 - 236.2 - Heavy Q.C.V up to 90% of core. Veins tend to parallel a weak foliation at 65° to C.A. Tr. Py.</u> Zone becomes slightly talcose towards the contact with the talc chlorite schist.	56537		132	134	2.0			"	
			56538		134	136	2.0			"	
			56539		136	138	2.0			"	
			56540		138	140	2.0			"	
			56541		147	149	2.0			"	
			56542		149	151	2.0			"	
			56543		151	153	2.0			"	
			56544		153	155	2.0			"	
			56545		155	157	2.0			"	
			56546		157	159	2.0			"	
236.2	308.8	Talc Chlorite Schist Typical blue grey, chloritic, schistose, highly talcose unit. Cross cutting Q.C.V and stringers. Very rare to tr. Po.	56547		159	161	2.0			"	
			56548		161	163	2.0			"	
			56549		163	165	2.0			"	
			56550		175	177	2.0			"	
			56551		177	179	2.0			"	
308.8	327.3	Silicified Tholeiitic Basalt - Alteration Zone 'Grey Portion' Grey to dark green grey mafic volcanic. Highly silicified with heavy to intense pygmatic to brecciated Q.C.V. Tr. Py, Po across the zone in fine disseminations and stringers. Lower contact with less altered unit is marked by marked decrease in veining and increase of magnetism.	56552		181	183	2.0			"	
			56553		183	185	2.0			"	
			56554		185	187	2.0			"	
			56555		187	189	2.0			"	
			56556		189	191	2.0			"	
			56557		211	213	2.0			"	
			56558		213	215	2.0			"	
			56559		215	217	2.0			"	
327.3	357.0	Tholeiitic Basalt - Mg to Fe rich. Med to dark grey mafic volcanic. Aphanitic to fine grained with frequent Q.C.V. Locally, strongly magnetic. More magnetic zones seem to be darker in colour. Silicification and veining decrease to slightly silicified and infrequent veining by 347.0 to the end of the hole. <u>357.0 End of hole.</u>	56560		217	219	2.0			"	
			56561		228	230	2.0			"	
			56562		230	232	2.0			"	
			56563		232	234	2.0			"	.10
			56564		234	236	2.0			"	.08

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum Red Lake Mines Limited
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

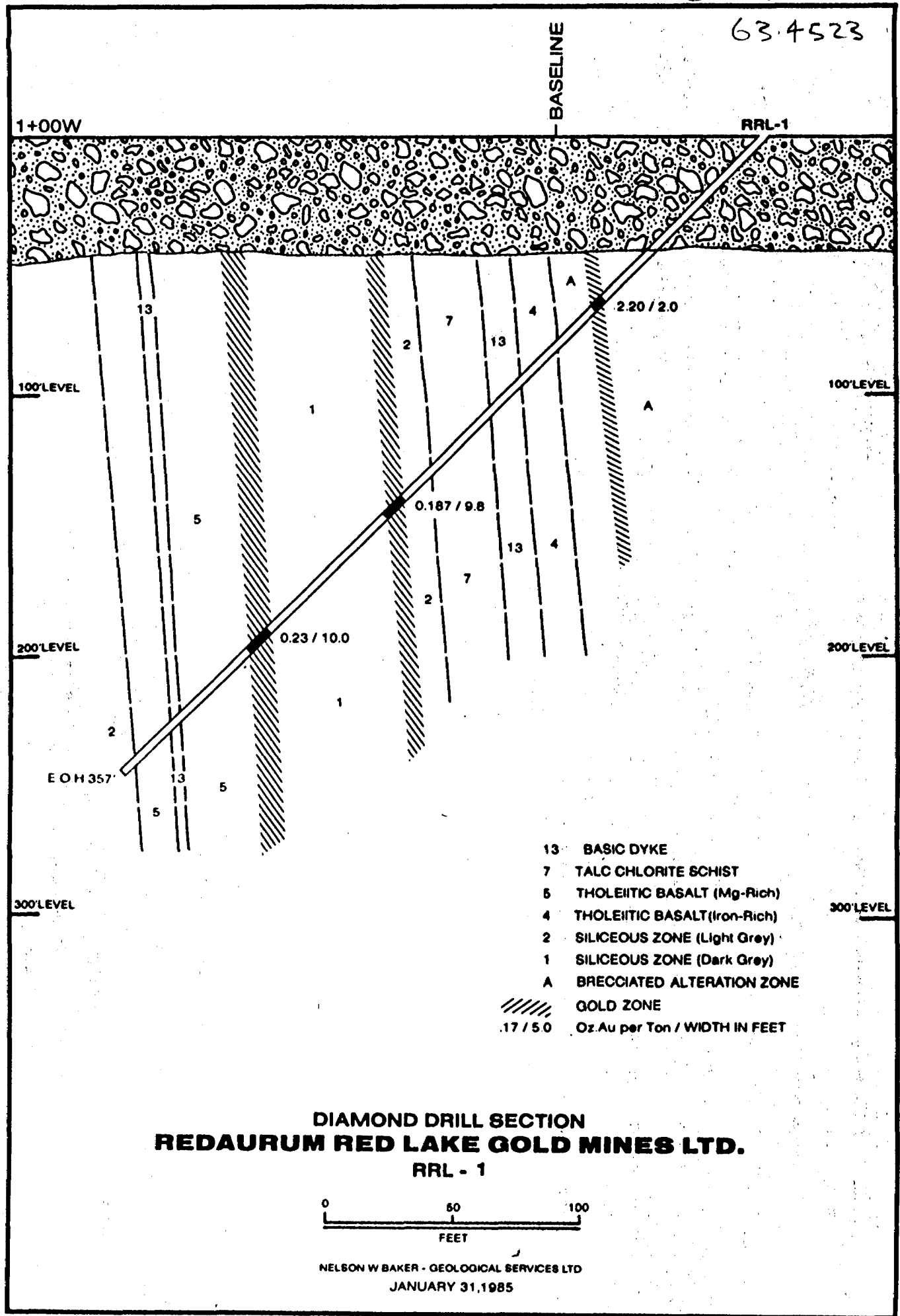
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

HOLE NO. RRL-6 SHEET NO. 3

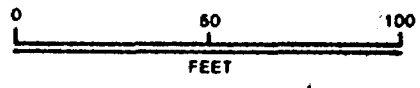
REMARKS _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ/TON	OZ/TON	
					FROM	TO	TOTAL					
			56565		243	245	2.0					
			56566		245	247	2.0					
			56567		247	249	2.0					
			56568		249	251	2.0					
			56569		251	253	2.0					
			56570		253	255	2.0			.01		
			56571		262	264	2.0			tr		
			56572		264	266	2.0					
			56573		289	291	2.0			.01		
			56574		291	293	2.0			tr		
			56575		293	295	2.0					
			56576		302	304	2.0					
			56577		305	307	2.0					
			56578		307	309	2.0					
			56579		309	311	2.0					
			56580		311	313	2.0					
			56581		313	315	2.0					
			56582		317	319	2.0					
			56583		319	321	2.0					
			56584		321	323	2.0					
			56585		323	325	2.0					
			56586		325	327	2.0					
			56587		327	329	2.0					
			56588		329	331	2.0					
			56589		331	333	2.0					
			56590		337	339	2.0					
			56591		339	341	2.0					
			56592		341	343	2.0					

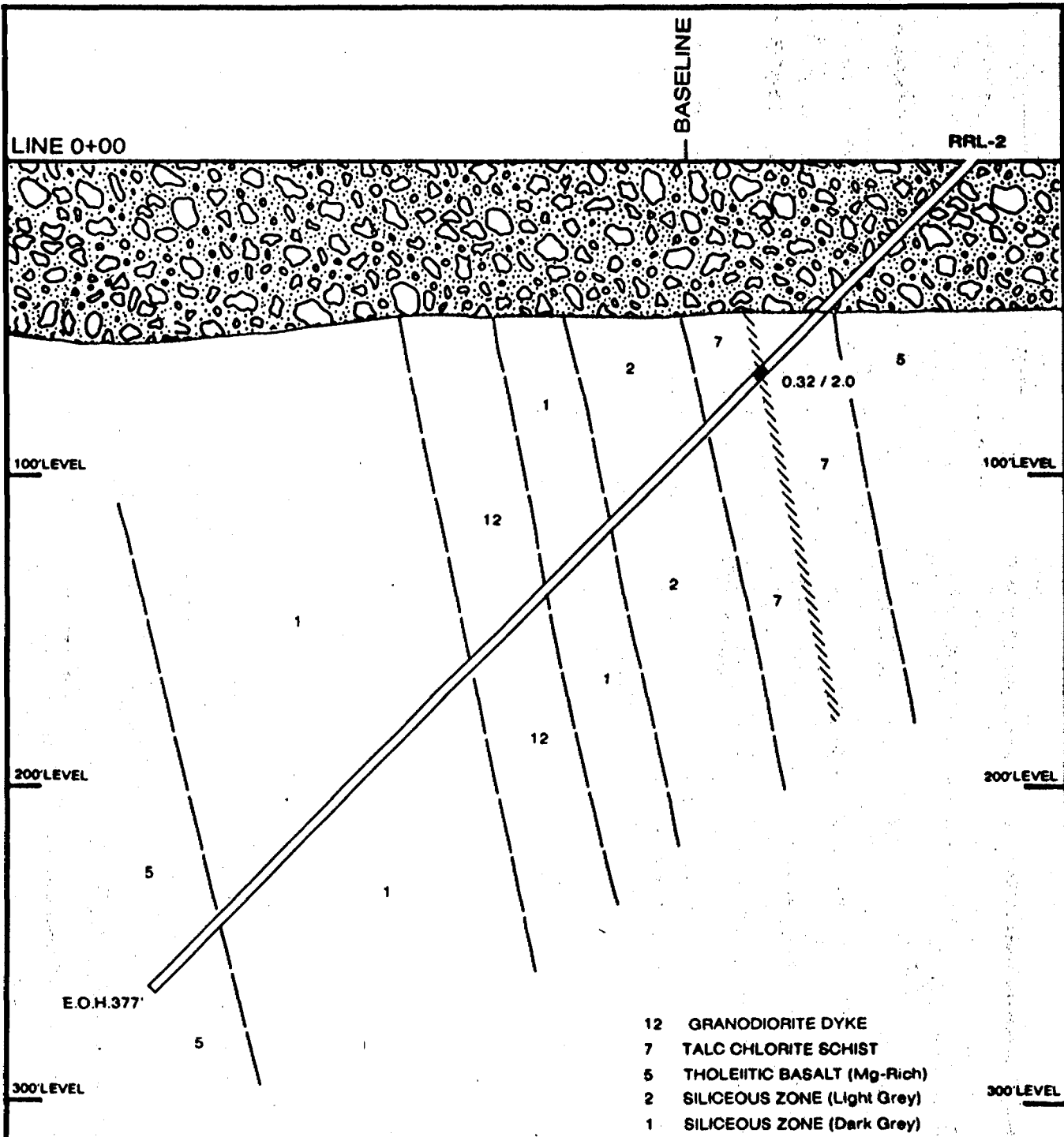


**DIAMOND DRILL SECTION
REDAURUM RED LAKE GOLD MINES LTD.
RRL - 1**



NELSON W BAKER - GEOLOGICAL SERVICES LTD
JANUARY 31, 1985

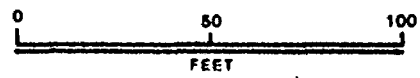
FIGURE 4



- 12 GRANODIORITE DYKE
- 7 TALC CHLORITE SCHIST
- 5 THOLEIITIC BASALT (Mg-Rich)
- 2 SILICEOUS ZONE (Light Grey)
- 1 SILICEOUS ZONE (Dark Grey)

GOLD ZONE
 .17 / 5.0 Oz. Au per Ton / WIDTH IN FEET

DIAMOND DRILL SECTION
REDAURUM RED LAKE GOLD MINES LTD.
RRL - 2



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 JANUARY 31, 1985

FIGURE 5

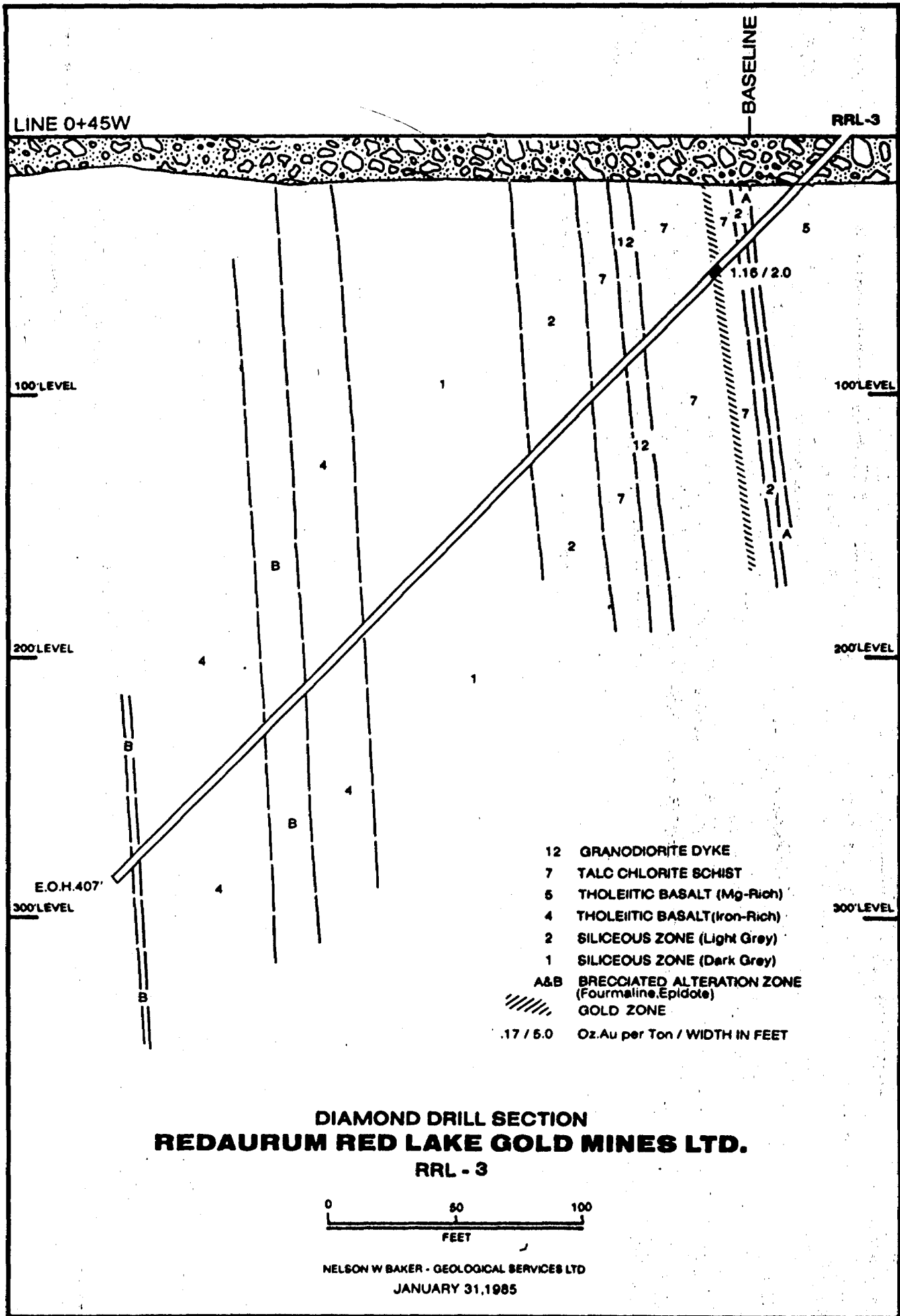
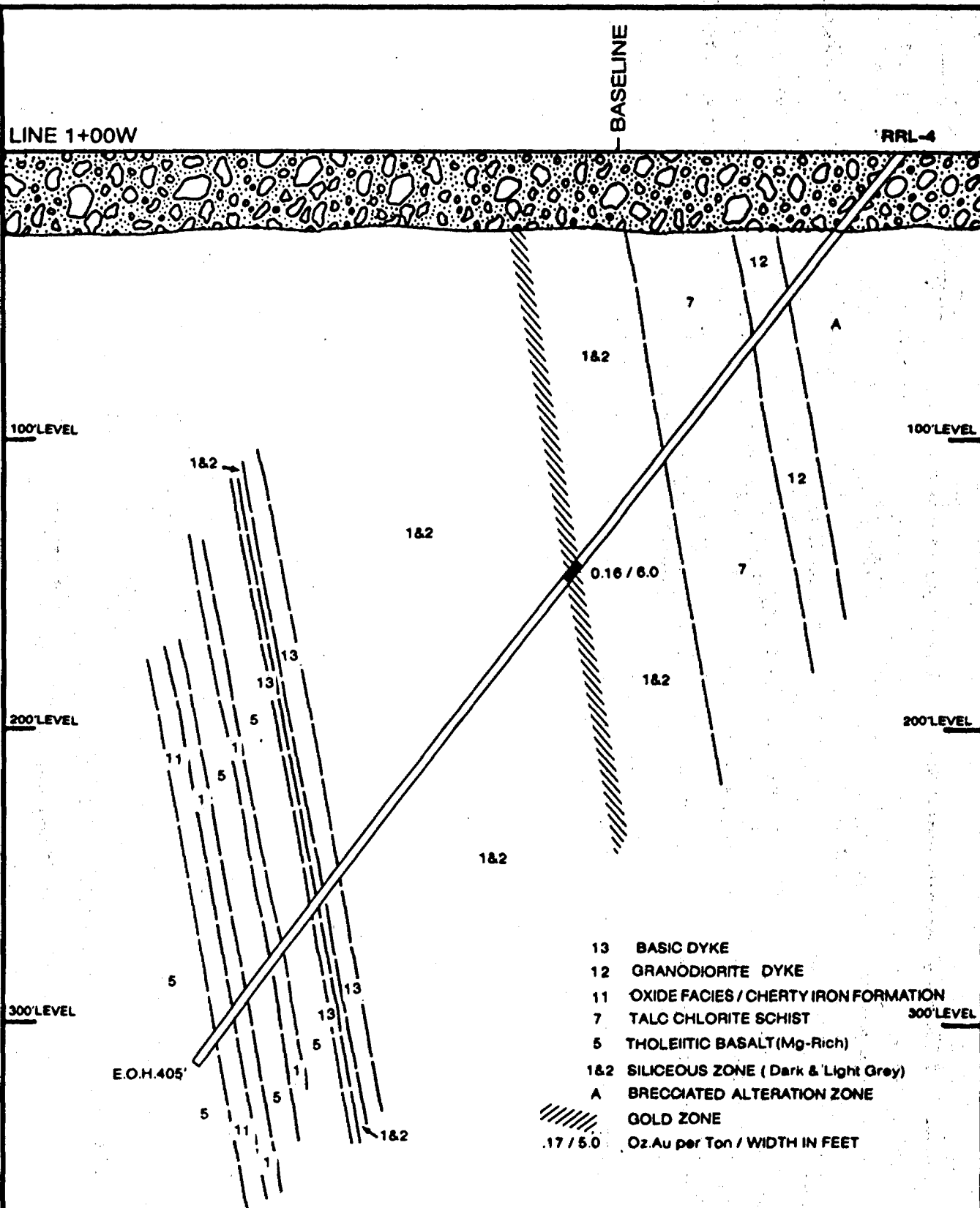
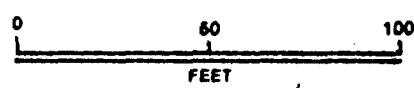


FIGURE 6

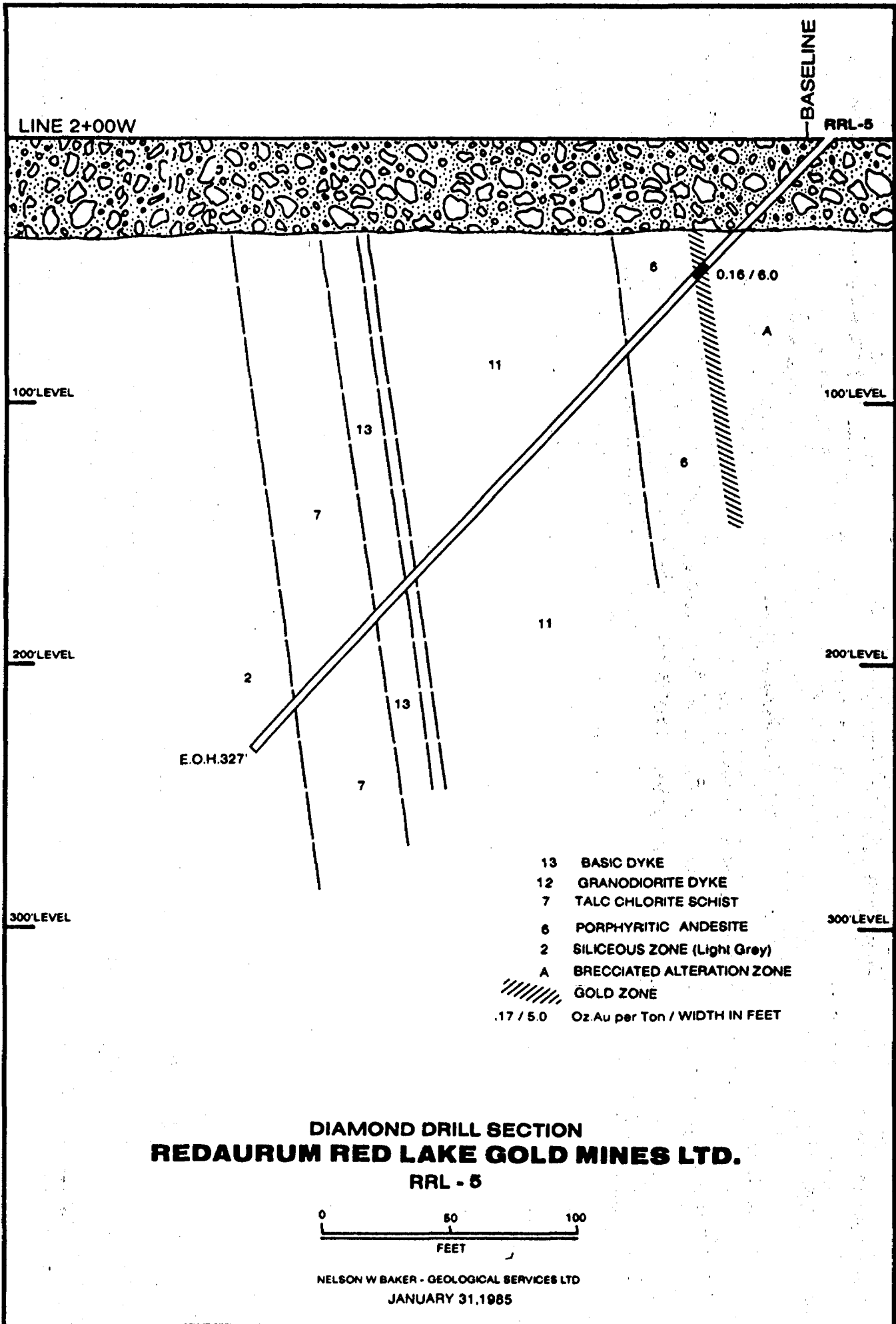


**DIAMOND DRILL SECTION
REDAURUM RED LAKE GOLD MINES LTD.
RRL - 4**



NELSON W BAKER - GEOLOGICAL SERVICES LTD.
JANUARY 31, 1985

FIGURE 7



LINE 2+00W

BASELINE

RRL-5

100' LEVEL

100' LEVEL

200' LEVEL

200' LEVEL

300' LEVEL

300' LEVEL

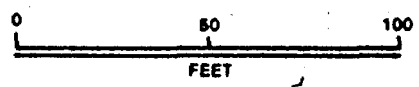
E.O.H.327

0.16 / 6.0

- 13 BASIC DYKE
- 12 GRANODIORITE DYKE
- 7 TALC CHLORITE SCHIST
- 6 PORPHYRITIC ANDESITE
- 2 SILICEOUS ZONE (Light Grey)
- A BRECCIATED ALTERATION ZONE

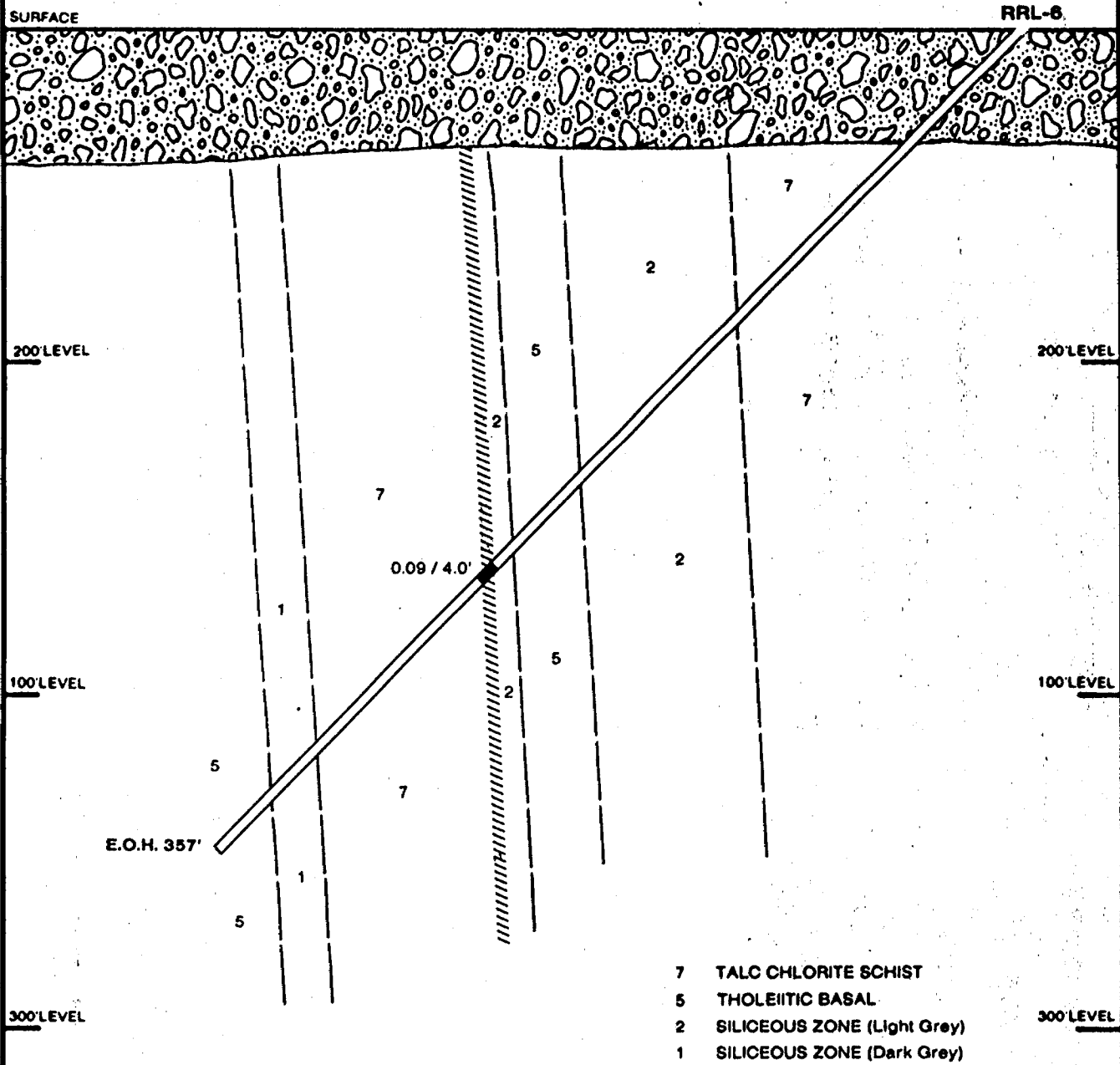
GOLD ZONE
 .17 / 5.0 Oz. Au per Ton / WIDTH IN FEET

DIAMOND DRILL SECTION
REDAURUM RED LAKE GOLD MINES LTD.
RRL - 5



NELSON W BAKER - GEOLOGICAL SERVICES LTD
 JANUARY 31, 1985

FIGURE 8



- 7 TALC CHLORITE SCHIST
- 5 THOLEIITIC BASAL
- 2 SILICEOUS ZONE (Light Grey)
- 1 SILICEOUS ZONE (Dark Grey)

////// GOLD ZONE
 .17 / 5.0 Oz. Au per Ton / WIDTH IN FEET

**DIAMOND DRILL SECTION
 REDAURUM RED LAKE GOLD MINES LTD.
 RRL -6**



NELSON W BAKER - GEOLOGICAL SERVICES LTD
 JANUARY 31, 1985



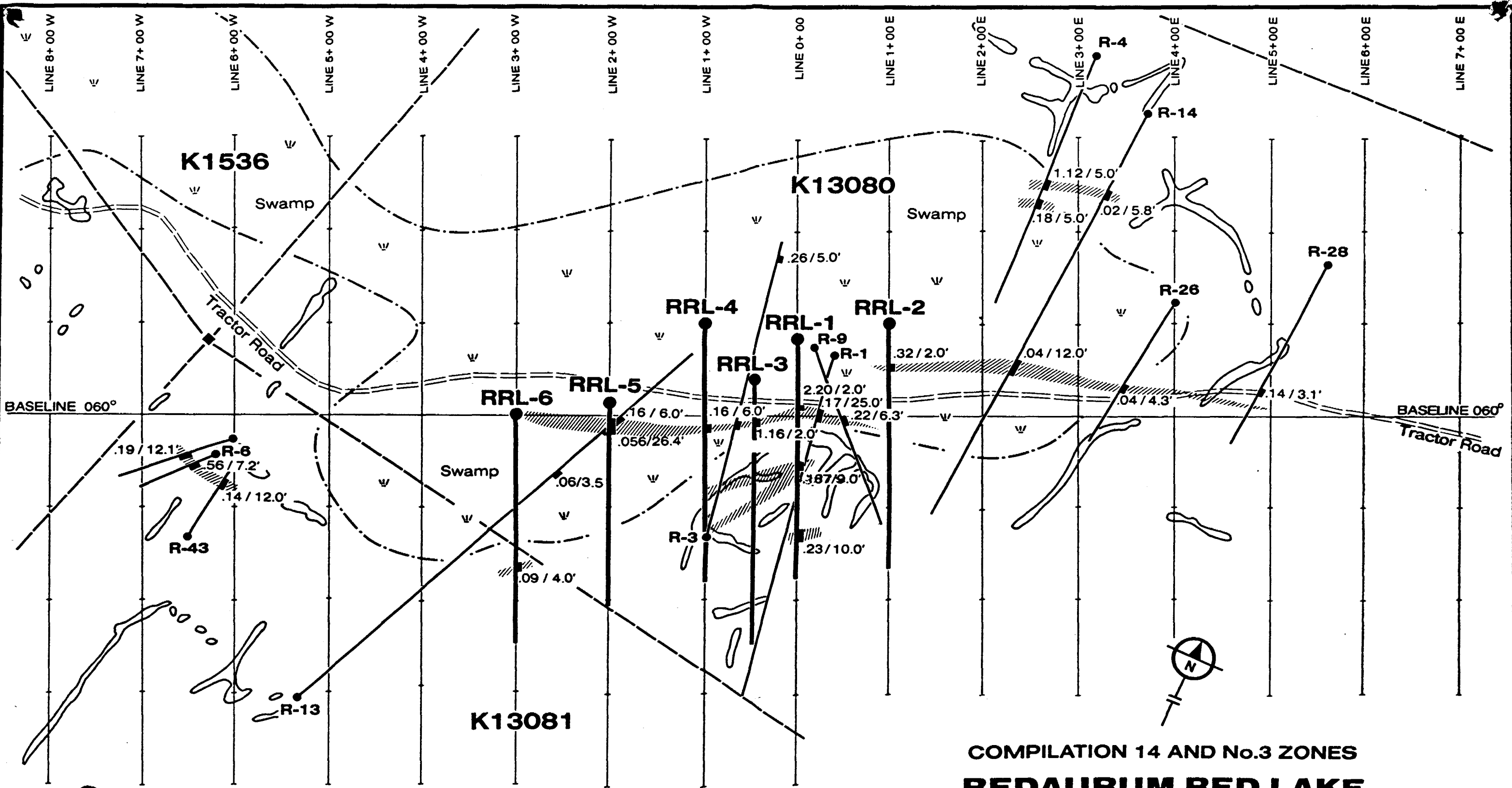
OM-1-C-191 Redaurum Red Lake Mines




BAIRD TWP.

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

Redaurum Red Lake Mines, Baird Twp

- | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------|
| ① Report on Recent Exploratory Work
(Introductory) (cont) Log, Line Cutting, D.D. Program,
VLF-EM, Mag. Surveys, Feb. 3/85. | ==> | See
File
2.8382 |
| ② Magnetometer Map, Services Expl. Services,
(Redaurum), Dec/84. | ==> | # 2.8382 |
| ③ Electromagnetic Survey, Services Expl. Services,
(Redaurum), Dec/84. | ==> | # 2.8382 |
| ④ Report on Recent Exploratory Work
Feb. 3/85 D.D. Record: | ==> | # 2.8382 <u>or</u> |
| (i) Fig 10, 11 | | |
| (ii) PRL-7 (sheet #1) to
PRL-8 (sheet #4) inclus. | | Baird Twp.
D.D. # 23. |
| ⑤ Compilation Plans, N.W. Baker Geol. Services,
(Redaurum), Sept/84 | ==> | Baird Twp.
D.D. # 23. |



-  TRENCHES
-  DIAMOND DRILL HOLE
-  GOLD ZONES .17 / 25.0' - Oz. Au per Ton / Width in feet



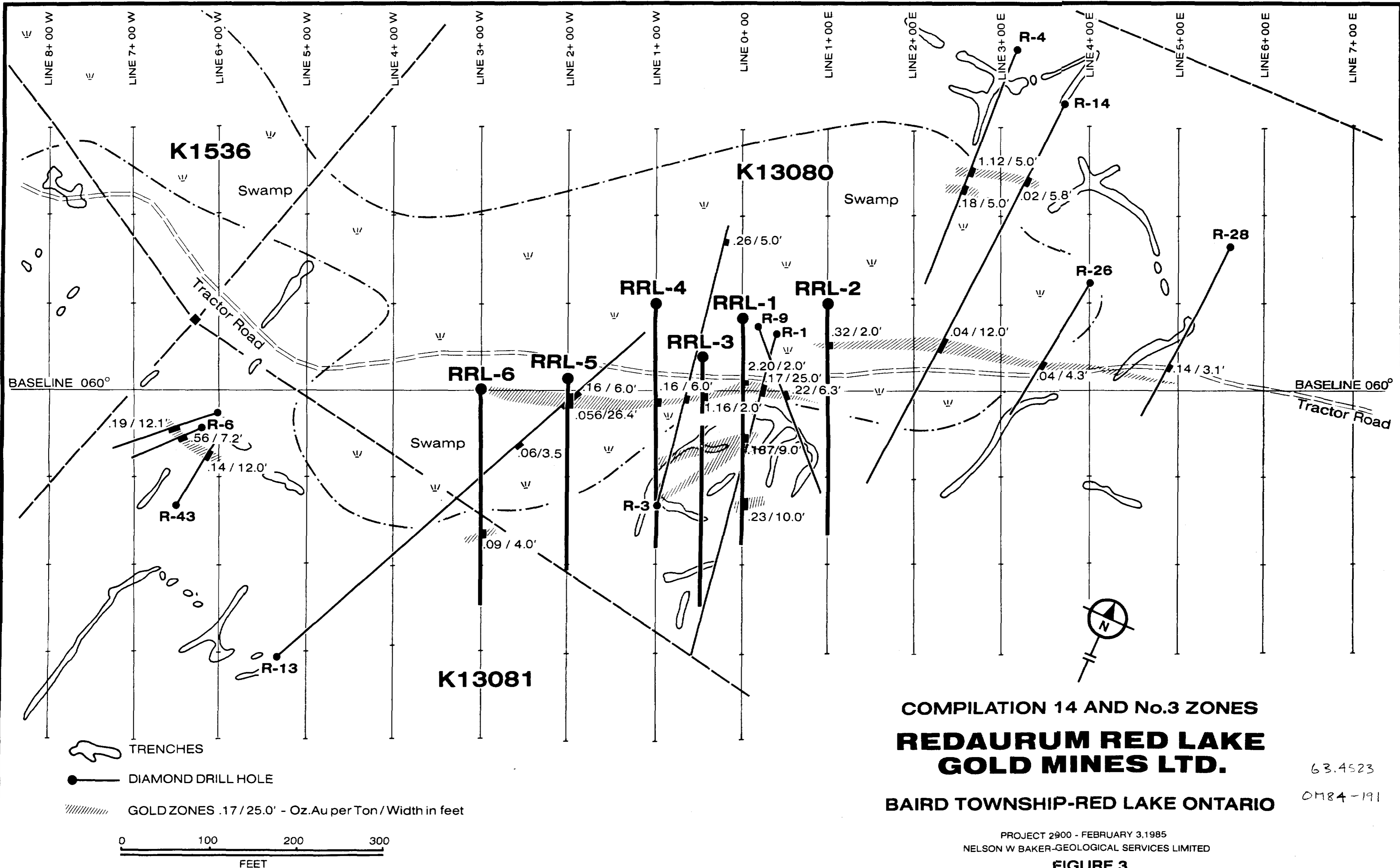
COMPILATION 14 AND No.3 ZONES
**REDAURUM RED LAKE
 GOLD MINES LTD.**

BAIRD TOWNSHIP-RED LAKE ONTARIO

PROJECT 2900 - FEBRUARY 3, 1985
 NELSON W BAKER-GEOLOGICAL SERVICES LIMITED

FIGURE 3

63.4523
 OM84-191





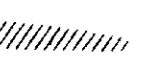
**COMPILATION 14 AND No.3 ZONES
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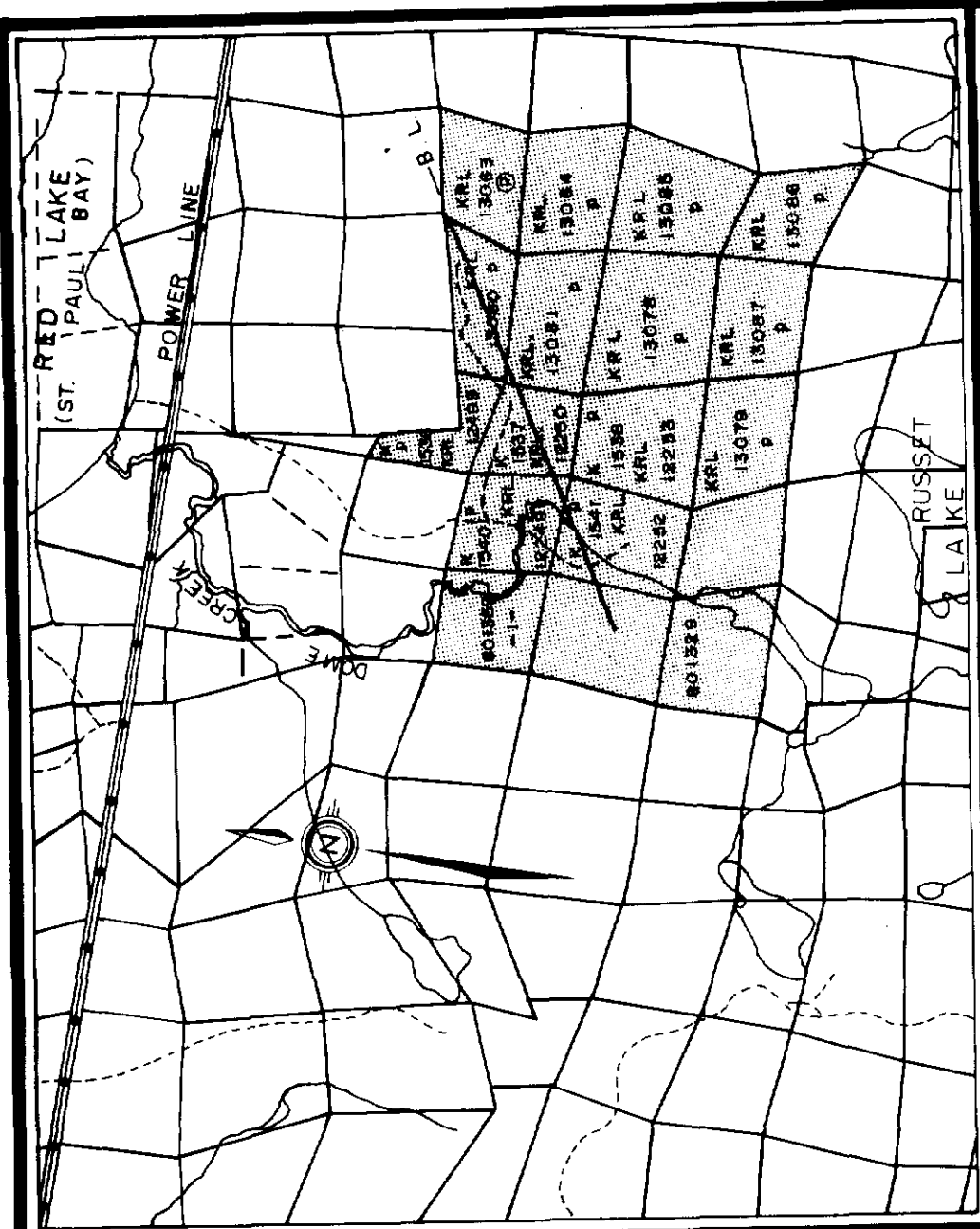
FIGURE 3

63.4523
0M84-191

-  TRENCHES
-  DIAMOND DRILL HOLE
-  GOLD ZONES .17 / 25.0' - Oz. Au per Ton / Width in feet

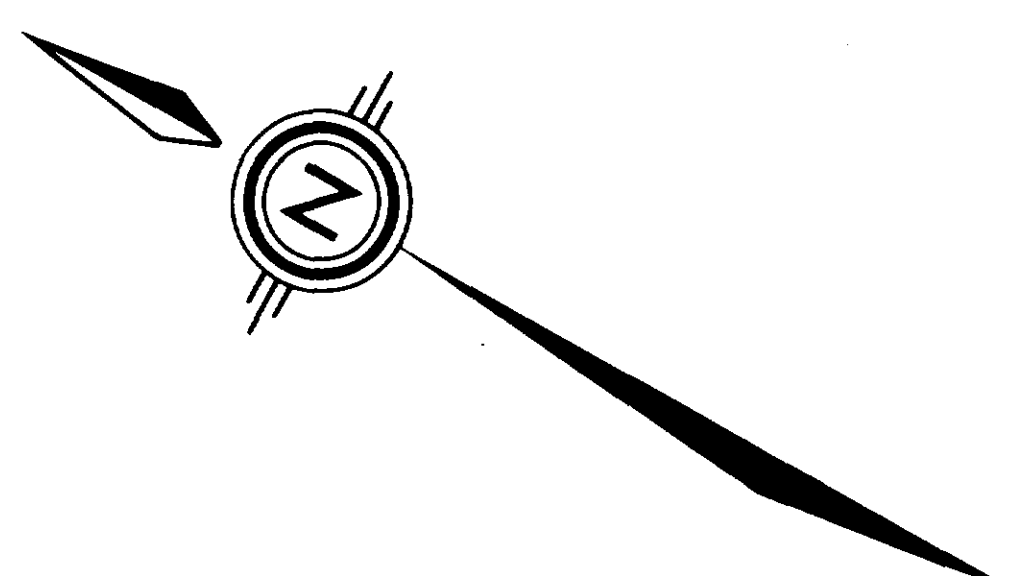


S2N84S0229 63.4523 BAIRD TWP

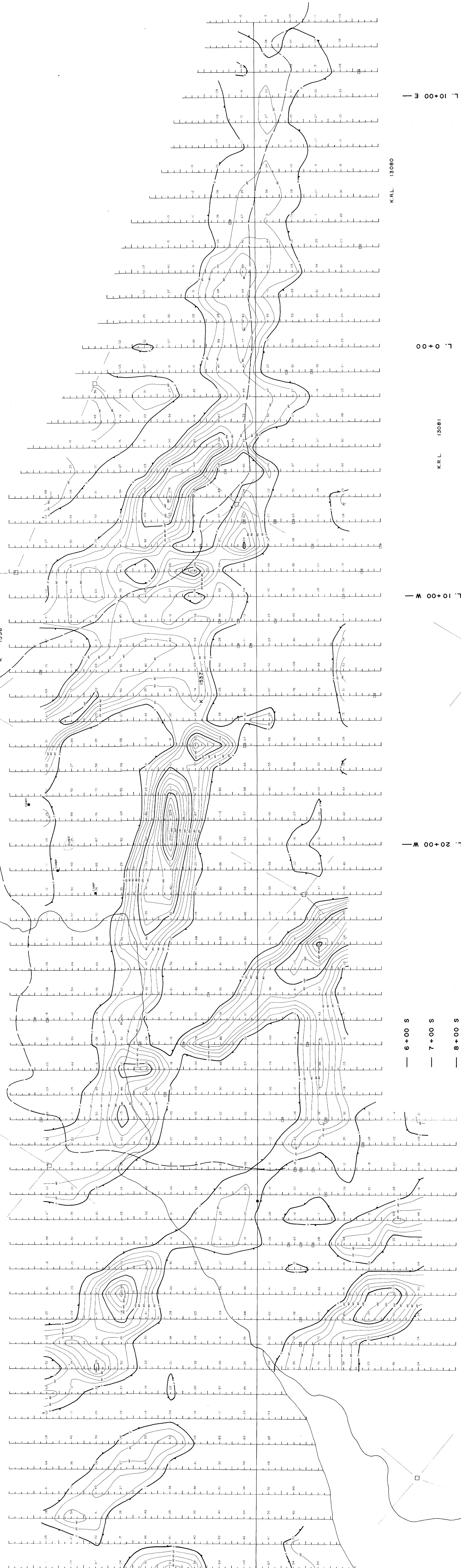


INDEX MAP

SCALE 1:25000
 U.S. GEOLOGICAL SURVEY



- 10+00 N
- 9+00 N
- 8+00 N
- 7+00 N
- 6+00 N
- 5+00 N
- 4+00 N
- 3+00 N
- 2+00 N
- 1+00 N
- B.L. 0+00, AZIMUTH 60°
- 1+00 S
- 2+00 S
- 3+00 S
- 4+00 S
- 5+00 S



K.R.L. 13080

L. 0+00

K.R.L. 13081

L. 10+00 W

L. 20+00 W

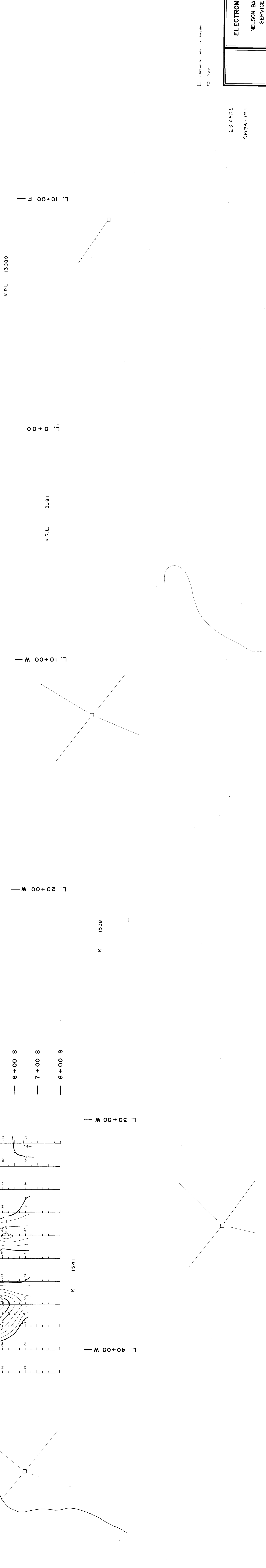
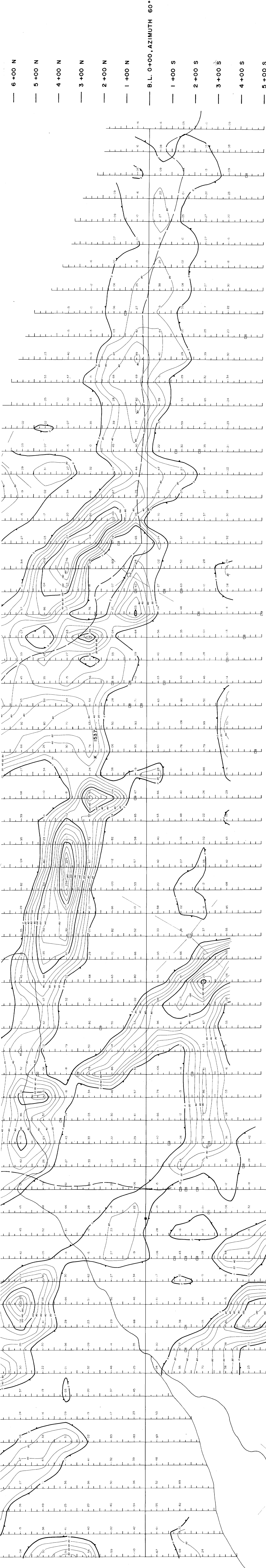
— 6+00 S
 — 7+00 S
 — 8+00 S

K 1538

K 1541

801359

801329



Approximate contour
 Trench

6314523
 OM3A-191

ELECTROMAGNETIC SURVEY FOR NELSON BAKER GEOLOGICAL SERVICES LIMITED	
PROJECT: REDAUBURN RED LAKE MINES LIMITED	SURVEYED BY: DR. ... DATE: DECEMBER 89 DRAWN BY: M.A. ... SCALE: 1:1000 TYPED BY: ... SERVICES EXPLORATION SERVICES REGD.

