60000560

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File – Hole No. RS-450
AUTHOR	G. Langstaff; R Vance; C. Bullow; D. Beilhartz
DATE OF DOC(S)	1998
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine, Newmont Exploration Ltd; Newmont Gold Co.
COMMODITY If not obvious	gold; silver
NOTES	drill logs; assay; geology; photographs; geochemistry; total depth 2050'; invoices 99 p.

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

SS: DD 3/19/08
Initials Date
DB:
Initials Date
SCANNED:
Initials Date

Revised: 1/22/08

RS-450

/

60000560
4010

6000 0560

NEWMONT EXPLORATION LIMITED — DRILL HOLE SUMMARY

Project: Rosebud Location: E. Dreamland Drill Hole No.: RS-450

State: NV Co.: Pershing T.: ____ R.: ____ S.: ____

Purpose: Offset to RS-425 Results: ____

Date Started: 8/19/98 Date Finished: 9/3/98

Grid System: NV State Plane Northing: 2207532 Easting: 479550 Elevation: 5726

Collar Az/Inc.: ____ / -90° Drill Site: ____ Total Depth: 2050

Geologist(s): ____ Log Date(s): ____ Laboratory: ____

HOLE CONSTRUCTION AND HISTORY CASING (INTERVAL): ____

From	To	Hole Type/Size	Started	Completed	Contractor
0	1450	RC /	8/19/98	8/26/98	Eklund Drilling
1450	2050	Core / HQ	8/29/98	9/3/98	Boart Longyear
		/			
		/			

LITHOLOGIC SUMMARY				ALTERATION/ MINERALIZATION	SIGNIFICANT ASSAYS				
From	To	Formation	Rock Type		From	To	Width	Au oz/st	Cutoff

DOWNHOLE SURVEYS		
Directional	Date:	
Other		
Depth (ft)	Azimuth	Inclination
Water Table Depth:		
Water Flow Rate:		

COMMENTS

Newmont Gold Rotary Form

Hole# RS-450
Logged by G. Langstaff
Date 12/8/98
Area Dreamland
Coords
Az/Incl
Total Depth
Contractor
Page 1 of

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX	Met.: CO3	Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay
											0-50: on surface - angular, bleached pebbles and cobbles in red muddy matrix but negligible matrix present in samples; most chips are of pebbles, only rare chips with clastic textures		1					1				0	
																							1	
																							2	
																							1	
20		xSem											clastic only										0	
40																								
												0							tr				1	
		Sm	dark brn								50-55 - mudstone												2	
											55-97: variably brecciated possibly with sand and mud in fractures													
60		Bmcs w/mmb									more breccia chips, rare red clayey chips													
											mmb, white feldspar, breccia chips												2	
																							1	
											some chips of breccia													
80											mmb, white feldspar, microhornblende								tr					
																			1					
											red clayey chips													
											mmb, white feldspar, red clayey chips												2	
100											97-315: less mmb than unit below particularly below 260' and no? hornblende or biotite phenos								tr				1	
											microhornblende, mmb < 2mm, white feldspar < 1mm													
											110-145: some pale altered chips													
120											mmb with microlites												1	
																							0	
											mmb < 2mm													
											white and vitreous feldspar													
											135-150: pseudobreccia textures													
140											calcite vein													
											mmb												1	
											white and vitreous feldspar, wavy texture												2	
											pyrite/calcite vein													
160		Fp-lg), f(mmb	medium reddish grey								white and vitreous feldspar, some chips look like sandstone		0						tr			0	2	
											round vitreous feldspar (cleavage)		1						0			1	1	
											coarse pyrite, vitreous feldspar 1mm												0	
																							2	
180			V. pale grey																					
			reddish grey								microhornblende, feldspar < 1mm		0						1			0		
											10mm mmb													
200																								

Newmont Gold Rotary Form

Hole# RS-450
Logged by G. Langstaff
Date 12/8/98
Area Dreamland
Coords
Az/Incl
Total Depth
Contractor
Page 2 of

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay
200			medium grey and red									0	0	0	0	0	0	1					2	
220											mmb, round quartz phenos, white feldspar mmb, white feldspar, rare wavy textures 235-260: common wavy textures like welded tuff													
240																		1 0					1 2	
											mmb, wavy textures, 2mm feldspar													
260											vitreous and greenish white feldspar mixture of pyritic altered chips and mottled grey chips twinned vitreous sanidine >2 mm, mmb?													
280		Fpr, f (mmb)									wavy textures in some chips 285-320: some bleached chips with pyrite												2 1	
300											1mm white and vitreous feldspar, rare mmb <3mm												0 0 2	
											coarse pyrite vitreous (2mm) and white (1mm) feldspar, biotite?, no mmb? 315-320 has lots of clay, no alteration													
320											coarse pyrite contamination? 315-385: ~1% white to vitreous feldspar usually ≤2mm, possibly 1% hornblende + biotite, and common (5%?) mmb, variable matrix texture													
340											vitreous feldspar 2mm, more common matrix generally <1mm, mmb													
360		Fpr, b, f (mmb)	mostly medium grey								hornblende up to 2mm green prism in whitish feldspar rare foliated chips mafic phenos or small mmb more prominent than feldspar												2	
380			medium red grey								chip with 3mm feldspar, biotite most chips have mottled matrix													
400												0	0	0	0	0	0	0			0	0	2	

Newmont Gold Rotary Form

Hole# RS-450
Logged by G. Langstaff
Date 12/8/98
Area Dreamland
Coords
Az/Incl
Total Depth
Contractor

Footage	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FeOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay
400		csm	dark to medium reddish grey								mmb with coarse white feldspar	0	0	0	0	0	0	0			0	0	2	
											mmb with microlites													
											353-430: clast-supported conglomerate? with subrounded volcanic clasts, mmb, biotite, no muddy matrix													
420											several chips with mmb; some chips with abundant feldspar, biotite													
											430-447: clayey rock with amygdaloidal and feldspar-phyric pebbles? and biotite possibly mmb			1r				1r						
440		smp	dark to medium reddish grey								lots of clayey, crumbly chips							0						
		fp-f(am)									447-460: amygdaloidal feldspar-phyric rock but some chips have clastic textures			1r				0						
460											some chips with 5% white clay-filled, irregular amygdales with thin green rims, others filled with coarsely crystalline calcite							1					2	
		fp-f	dark greyred								feldspar phenos 2.5mm													
480											some phenos have abundant inclusions except in thin rim												almost all in phenos	
500											biotite and feldspar phenos like below 570 but cem calcite							2						
											504-572: could be bi-feld-phyric volcanic rock like that above and below but matrix looks like sandstone with granular texture and is locally crumbly, round bleached clasts may indicate sedimentary origin; oval green to black, irregular (some cuspate) amygdales apparently sharp contacts above and below							1						
520																								
540		ssp	dark to medium reddish grey								mmb?			1r				0						
560											some chips look like sandstone							1						
											some biotite and feldspar phenos but matrix is clayey and lumpy rather than hard aphanitic							2						
580		fp-bf	dark greyred								biotite, without feldspar													
600																					0	0	2	

Newmont Gold Rotary Form

Hole# RS-450
Logged by G. Langstaff
Date 12/8/98
Area Dreamland
Coords
Az/Incl
Total Depth
Contractor

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay/grey	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX	Met.: CO3	Mineralogy: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay
600											coarse euhedral pyrite contamination	0	0	0	0	0	0	2			0	0	2	
											white chips from above?													
620			dark grey-red								feldspar less white, more vitreous and has less calcite													
											LCMS													
640											LCMS and less feldspar than other samples													
660																								
680																								
700											more strange breccia textures													
											some chips with common foliated biotite													
720																								
740		Fp-bf	dark reddish grey								biotite? < .5mm													
											calcite veing													
											755-770: another breccia or conglomerate with abundant feldspar, feldspar-phyric clasts, biotite, irregular green amygdales?			0 Ir				2 1			0	0	2	
760		Bmx?s	dk green grey with red																					
		ssd									contamination? with pyrite			0				2						
											locally, red breccia matrix has abundant calcite (3)													
780		Fp-f	dark reddish grey								white chips - contamination?													
800								1 0																

Newmont Gold Rotary Form

Hole# RS-450
Logged by G. Langstaff
Date 12/8/98
Area
Coords
Az/Incl
Total Depth
Contractor

Footage	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FeOX	Met.: CO3	Mineralogy: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay
800		Fp-f						0				0	0	0	0	0	0	2			0	0	2	
											back into normal-looking feldspar-phyric rock													
820		bmxs									grey rounded clasts? up to 6mm with thin rims in hard red matrix, some clasts have feldspar phenos like rock below													
840											one chip with contact between feldspar-phyric volcanic and strange textured breccia?													
								1																
								1																
								0																
860		Fp-f	dark reddish grey																					
											calcite veins													
880											~5% anhedral-euhedral, white, calcite-altered feldspar generally .5-2mm, local feldspar clots up to 4mm													
							?				grey clayey chips—vitrophyre?, with biotite	0		tr				2 / 1			0			
											coarse pyrite; clay-altered prisms 1-2 mm		1	0				0			2 / 1	1	0	
900											relictual clay-altered biotite?													
								0																
								1			894-975: too altered for confident identification but apparently has hornblende and biotite phenos at top; some altered prisms could be feldspar; variably brecciated												0 / 2	
920											marcasite intergrown with calcite													
																							1	
940		bFp-h,b	very pale grey and orange brown								coarse pyrite												0	
								0																
960																					1	0		
											white feldspar, clay-altered biotite phenos? calcite vein into bleached chip											0	1	
																							2	
								1			mostly clastic textures		1	0				0			1			
							?																	
980		xSct	v. pale grey green & dk red grey					0		?	975-995: could be sedimentary or pyroclastic		0	1				tr			0		3	
											990-995: big grey aphyric clasts in green matrix? heterogeneous matrix-supported textures													
1000			↓					1					1	0				0			1		2	

Newmont Gold Rotary Form

Hole# RS-450
Logged by G Langstaff
Date 12/8/98
Area
Coords
Az/Incl
Total Depth
Contractor

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: silic	Alteration: argillic	Alteration: clay grey	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX	Met.: CO3	Mineralogy: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Rock	Mineralogy: Clay
1000		bFq	pale grey and orange brown					1			995-1035: apparently aphyric brecciated rock like that at 1066-1320	0	1	0	0	0	0	0			1	0	0	
																							1	
1020								0			green clay vein							0						
							0				euhedral feldspar 1mm		0					tr			0		2	
											1035-1065: clast and matrix-supported? conglomerate with subrounded volcanic clasts of various colors and biotite with locally abundant clay (from ash?)			0										
1040		X/bFset?	greenish grey with red											tr										
											biotite clasts, mmb, green clay veins													
											clastic chips with red and green matrix													
1060							0							tr				tr					2	
							?			?				0				1					3	
		Sm	reddish grey				0				1065-1068: dark brownish grey clayey foliated rock with local mottled color but no apparent clasts or pyroclasts - ash tuff or mudstone?													
							?				pale spots with tiny pyrite grains in center	0						1			0		2	
							0	1					1					tr			tr			
1080																								
											coarse pyrite													
													2											
1100											contamination? of grey chips, minor clay										1			
											white clay veins, v. fine black pyrite? in fractures		1											
											coarse pyrite in breccia matrix											1		
1120			v. pale grey brown								1075-1200: locally abundant fractures and breccia matrix with red or brown filling												2	
																							1	
											1075-1320: breccia and pseudobreccia of apparently aphyric rock without mmb; brecciation sufficiently intense locally to be considered breccia unit but homogeneity of clasts suggests this is all one unit												2	
																						0		
1140		bFa	darker brown					2					0					2			tr			
											vein calcite													
			pale red-brown										1					1			1			
																							1	
1160			red and medium grey					0					0					2			0		1	
																							2	
1180								1					1					1			1			
			pale reddish brown								more strongly brecciated with common clastic chips													
																		1						
1200													1					0			1	0		

Newmont Gold Rotary Form

Hole# RS-450
Logged by G Langstaff
Date 12/8/98
Area Dreamland
Coords
Az/Incl
Total Depth
Contractor
Page 7 of

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay (green)	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay
1200		bfa	very pale grey-brown					1			white clay veinlet	0	1	0	0	0	0	0			1	1		
											1215-1225: reddish brown to pale grey clay veinlets												variable 1-2	
1220													2										2	
							?															1		
1240			pale brown										1	0							1	0	1	
											contamination? with grey chips			tr							tr		2	
1260			pale brownish green																					
1280											coarse pyrite, several chips with clastic textures										tr		2	
											vein calcite		1	tr							1			
1300			med. reddish grey								brecciated and pseudobreccia aphyric rock with very rare black needles up to 2mm (hbl?)		0	0				0			0			
1320		1 m Scd	pale greenish-brown				?				1320-1346: mostly matrix-supported conglomerate with subrounded volcanic clasts and biotite (and mmb?) in silty matrix		1	tr				2			0			
											some matrix supported textures with abundant red silty matrix		0	0				2						
1340			dark grey red																				2	
											1350-1360: fewer clastic chips, more cobbles?													
1360			med. dk brownish grey										0					1			0			
			pale grey-brown								coarse pyrite chip		1					tr?			1			
															0								2	
															1			0			1		1	
1380		LSsn	greenish grey								coarse pyrite chip												2	
1400																						0		

Newmont Gold Rotary Form

Hole# _____ Az/Incl _____ Page 8 of ____

Logged by _____ Area _____ Total Depth _____

Date _____ Coords _____ Contractor _____

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	
											contamination of bright red and dark grey chips 1405-1440'															
1400		csn	very pale grey and brownish grey								generally clast-supported sandy conglomerate with altered, white to greenish grey, angular-subrounded (generally subangular), volcanic clasts up to 5mm or more and minor v. fine interstitial material, no obvious crystals or mmb	0	1	Ar	0	0	0		0			1	0	2		
														0									1			
1420											pyrite+clay vein?															
											rare silicified chips, loose clay, vein pyrite		2										2			
1440											coarse pyrite															
													1											1		
											1450' bottom of pre-collar															
1460																										
1480																										
1500																										

Newmont Gold Core Form

Hole# RS-450 **Az/Incl** -90 **Page** 1 of 7

Logged by G. Langstaff **Area** E. DreamLAND **Total Depth** 2050'

Date 9/16/98 **Coords** **Contractor** Boart Longyear

Footage	% Rec	RQD	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: Attitudes	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Mineralogy: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Mag Susc
1400																													
1410																													
1420																													
1430														RC Precollar															
1440																													
														Core starts at 1449.3															
														Aluminum Flapper @ ~ 1448.5'															
1450	1450 10.2								10 bleded calc + white clay	0	0	0	0		0	1	0	0	0	0		0	0	1	1				7
	102	99	Chocolate	sandy conglomerate	brownish-grey		1453.8		30 calc + white clay w/ jt																				
							1458.7																						10
1460	1460																												
	100	92					1464.2		50 40 vein w/white clay on bleded calc		discontinuous white clay + calc	vein at 10 - 70° to core axis		1462.5-1464.2 - fining up conglomerate									1						
				aphyric volc.	pinkish grey							0		1464.2									2						
							1468.5	65						1464.2-1468.4 - apparently aphyric volcanic rock with sharp contacts above and below could be intrusive or not															
														1468.4										tr					
1470	1470 10.8 11.0	7.0 11		conglomeratic sandstone or tuff	brownish grey		1473.5		20 jt w/mary calc														1		1				6
	98%	64%					1476.2		50 jt w/clay mary calc 40 10 jt w/clay calc 20 slick jt w/py					1474.4 - contact between coarser (below) and finer (above) cgl sandstone; unit above has vispy, foliated, vitric? clasts up to 4x20mm and lithic clasts may coarsen upward									0							5
							1479.4	15						1476.2 - fault cuts? white clay veins			tr					0							
1480	1481 10.8 11	10.4 11		brecciated apparently aphyric volcanic rock local laminations	pale grey and orange brown		1480.0				1	0											1			0			7
	98%	95%					1485.2		55 jt														2						25
									15 jt w/calc clay 60 jt w/green clay																				20
1490	1492						1490.4	35 lam.																					
	10.9	9.0							60 fracture w/ green clay																				22
					grey-green		1495.6		65 jt w/py 50 slicks	1					tr	1							1		0				
	99%	82%					1498.5		15 bleded calc + white clay		tr												2		tr				18
1500																													

5-50

10-5-98

RECORPRM.DWG Revised 3/17/98

Newmont Gold Core Form

Hole# RS-450 **Az/Incl** -90 **Page** 2 of 7

Logged by G. Langstaff **Area** E. Dreamland **Total Depth** 2050'

Date 9/16/98 **Coords** **Contractor**

Footage	% Rec	RQD	Litho: Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Structure: Attitudes	fault	breccia	veln	gouge	Comments	Alteration: Silic	argillic	clay	prop	Sericite	Chlorite	Met.: FEOX	CO3	Sulfide	Mineralogy: Pyrite	Marcasite	Calc/Dolo	Clay	Mag/Musc.
1500									0-15° calc	0	tr	0	0		0	tr	1	0	0	0	0	2	0-tr	0				83
	15	93				15	53.0																					
	10.8	9.8																										
			Chocolate			15	57.8		40 calc 70 jt																			28
	98%	89%																										
1510																												
sample for geochem						15	12.9		35 lam.																			12
	15	14																										
	10.7	8.6							70-80 jt																			15
						15	17.9		15-20 jt w/green clay calc/white clay																			
1520	97%	78%			Grey-green																							12
						15	22.6																					
	15	25							10 jts w/green clay white clay + calc																			7
	10.4	7.2				15	27.1		40 jts w/green clay ± calc													1						
																						0?						
1530	95%	65%							jt white cl								tr											2
						15	32.0																					
	15	36				<5			25 jt w/white clay																			5
	9.5	7.0				15	38.3																					
1540						10			60 white clay																			8
	86%	69%																										
						15	43.5				black sulfide + grey clay													1	tr			
						76																						
	15	47				15	47.0		70 jt w/white clay			mostly <30° 0																5
	11.0	8.2				<5																		tr	0			10
1550									fract - <15 50 jt w/white clay + marc calc																			
sample for geochem	100%	75%				15	51.8		25 jt w/calc + clay													1						
						<5																2						
						15	55.6		15 jt w/white clay, marc, calc							1									1			15
	15	58				<5																						
	10.2	6.8			pale and vi. pale greenish-grey	15	60.4															0		1				15
1560						660			30 veins marc + white clay + calc + black calc <10 sulfide			10-60° 0	sulfide ± white clay ± calcite	1561.4 - some bundles of fibrous calcite oblique to walls of vuggy vein														10
	93%	62%				15	69.0									tr								tr				
					greenish-grey	<5																						15
	15	69				15	69.0		15 sulfide																			
1570	10.8	7.3				270			10 clay + sulfide							1								1				10
						15	73.6		20 clay + calc + sulfide <10 jt																			
	98%	66%			pale greenish grey	50																						
						15	78.2		25 jt 20 to marc + clay													1						10
																						2						
1580	15	80				32																0						
	9.8								45 fl + 7 w/ white clay sulfide		1?	sulfide (marc?) clay ± calc <25°																12
						15	83.0																					
						38								white clay matrix								1						
					greenish-grey	15	85.0		<20 breccia veinlet w/green clay sulfide 85% sticks													0			tr			
	98%					18																						
						15	90.0		10 calc ± white clay ± sulfide			sulfide ± grey clay <25°				tr	1					1		tr	0			
1590	15	90																				2						
	10.0	8.6				<5																						
						15	95.2																					
	100%	86%							30 lam 20 white clay																			12
1600	16	00			grey-green	16	00.0																					

out of order 1525-1547 pieces of core upside down

Newmont Gold Core Form

Hole# RS-450 **Az/Incl** -90 **Page** 3 of 7

Logged by G. Langstaff **Area** E. Dreamland **Total Depth** 2050

Date 9/17/98 **Coords** **Contractor**

Footage	% Rec	RQD	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: Attitudes	Structure: fault	Structure: breccia	Structure: veln	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay green	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Magnetite
1600	9.8	6.4	Chocolate	brecciated, apparently aphyric volcanic rock w/rare local laminations	grey-green				65 jt	0	1	0	0		0	tr	1	0	0	0	0	2		tr	0			10-35I
	98%	64%				1605.0			50 white clay																			
									15 white clay + calc																			
									90 white clay																			
1610	16	10.0				1610.0																						
	10.0	9.5																										
	100%	95%				1615.3																						
1620	16	20				1620.0			50 calc + white clay																			
	9.8	9.8																										
	98%	98%				1625.0																						
1630	16	30				1630.0																						
	9.9	7.4							<10 white clay + calc													local 1						
						1633.7			jt w/white		2																	
	99%	74%				1635.7			45 clay jts w/white clay <30° slicks																			
									65 jt			0																
									20 jt w/white clay																			
									30 jt w/calc																			
1640	16	40				1640.0					1																	
	9.7	8.7																				1						
Pima 1649.8	97%	87%				1645.0			40 jt, fract w/white clay													0?						
									60		2																	
									40 jts w/white clay <35° slicks																			
									30 jts w/white clay																			
1650	16	50				1650.0			<10 jt w/white clay			rare white clay 5-60° to core ax																
	9.5	6.1							80 jt w/grey clay													1						
												0										2						
	95%	61%				1655.0																						
									<10 fract jt w/white clay																			
									55																			
1660	16	60				1660.0			65 calcite																			
	9.8	9.3				<5 1662.3			50 bx w/grey clay sulfide			black mica? + Cu? tarnish 30-80° to core																
						<5 1663.5			20 jt w/white clay/calc green		1	0		1662.3		1	tr							1	tr?			
	98%	93%												1663.6		tr	1							tr	0			
						<5 1667.5			<10 calc + hem + greenclay		0																	
1670	16	70			grey-green	<5 1671.4		60																				
	9.9	9.6							60 jts w/white clay					1671.4 - sharp upper contact of conglomerate with downslip slicks on irregular surface ~ 70° to core axis														
			Polymict conglomerate with subrand-subang 2-30 mm clasts in variable finer tuffaceous(?) matrix	conglom.	grey-green w/local brown			75																					
	99%	96%				1676.9								1676.9 - gradational lower contact of conglomerate with 3-60mm angular clasts of unit supported in red sandy matrix; red sand occurs down to 1684.2							1	0							
				apparently aphyric volcanic rock with mafic magma blobs and common laminations					25 fract w/calc, white clay <10° slicks jt w/white clay 20° slicks																				
1680	16	80				1680.8		35																				
1681 Pima	9.7	8.6							20 bx																			
						1684.2		60																				
	97%	86%							60 jt													2		0?				
1690	16	90			grey-green	1690.0			55 jt																			
	10.6	8.9						40																				
	96%	81%				1695.7		<10	65 jt																			
									20 jt w/white clay																			
1700									30																			

25-80

40-150

RECORD/BLDWG Revised 3/17/98

Newmont Gold Core Form

Hole# RS-450 **Logged by** G. Langstaff **Date** 9/17/98

Area E. Dreamland **Coords**

Az/Incl -90 **Total Depth** 2050 **Contractor**

Footage	% Rec	RQD	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: Attitudes	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FeOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Mag Sus
1700	17	01	Chocolate	apparently aphyric volcanic rock w/mmb laminations	grey-green	1701.0		65 mmb	35 jt	0	0	0	0		0	tr	1	0	0	0	0	2		0	0			75
	11.0	9.8						65	40 calc																			
									65 jt																			
	100%	89%				1706.7			62 jt w/black sulfide															tr?				
								45	53 jt w/white clay																			
1710									51 jt w/black sulfide													1						35
	17	12				1712.0			58 jt																			
	10.2	5.4						6	34 jts w/clay ± sulfide		1																	45
						1715.9		50 35	40 clay + sulfide																			
	93%	49%				L5			60 jt																			
						1719.5			50 jt w/ white clay																			
1720						8			34 jt w/white clay sulfide		2																	45
								10-40	35 jts w/white clay sulfide																			
	17	23				1723.0			75 jt w/white clay			white clay jt calc sulf. 20 base										2						18
	5.0	1.9						15	35 jts w/white clay, sulfide																			
	91%	35%				L5		60	20 50 jt w/white clay				0															23
	1728.5					1728.5			10 jt w/more white clay																			
1730	9.1	3.8						55	15 jt w/white clay																tr			
						L5			20 white clay + more													1						25
						1733.6			20 white clay + more													0						
	91%	38%							15 jt w/ more white clay																			
						L5																			1			27
	1738.5					1738.5					pseudobreccia?																	
	1.7	8							65 jts w/ white clay																tr			
1740	17	40																										
	8.7	4.8				L5			25 jt w/white clay																			30
						1743.6			10 15 jts w/white clay ± more																			
	97%	53%				L5			40 "																			35
	1749					1749.0			15 white clay																			
1750	5.6	4.1									0					tr						1						
	93%	68%				L5			20 35 clay + green selvedge																			
						1754.3			clay + more																1			30
	1755																0											
	31	15				76			10 jt w/clay + 40° slicks																			
	82%	39%							20 jt w/clay sulfide																			
	1758.8					1756.8		50	40° slicks																			22
1760	3.6	5							25? jts w/white clay + tan																			
	86%	12%				L5			jts w/clay + more																			
	1763.0					1764.1		35-45	60-70° slicks																0?			
	6.4	5						40	12 jts w/more white clay																			
						2900		20-30	10 jts w/more white clay																			
	86%	7%																				2						20
						1769.6																						
1770	1770.3																											
	2.0	1.0				102					1																	
	87%	43%										white clay + more frac < 50° to core axis																
	1772.3																											
	75	4.4				1774.5			<10 jts w/clay + sulfide 1?		35		1?			1												
								70	0° slicks				0	1774.5 — 1823.2: local fine (<1.5mm) schernlitic textures, parallel to laminations if laminations present; also local, wavy seams with dark clay(?), also parallel to laminations and don't cut mafic magma blobs, may have dark selvedges with stronger bleaching beyond; in some cases, mmb are not foliated parallel to dark seams		tr													
	97%	57%				17		70	30																			
									25 jt w/dark clay, calc																			
	1780.0					1780.0			30 27 dark clay + white clay																			
1780	4.0	.8			pale grey			70	20 jt w/dark clay, calc																			
	83%	17%				L5			10 jt w/white clay																			
	1784.8					1784.8			15 20 jt w/white clay + dark clay, calc, white clay																			
	10.2	5.7							60 jt w/dark clay calc																			
						L5			18 jt w/white clay																			
						1790.0			25 jt w/white clay																			
1790	94%	53%						70																				
								45	jt w/white clay																			
						1794.5																						
	1795.6								jt w/white clay													1						
	7.8	1.6																										
						1798.5		20-30	jts w/white clay			white clay < 35°																
1800	88%	18%						50	jt																			

RECORPEN.DOC Revised 3/17/98

Newmont Gold Core Form

Hole# RS-450 **Logged by** G. Langstaff **Date** 9/18/98

Area E. Dreamland **Coords**

Az/Incl -90 **Total Depth** 2050' **Contractor**

Footage	% Rec	RQD	Au oz/st	Ag oz/st	Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay (green)	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay	Mag Susc
1800						0	0		0		0	tr	0	0	0	0	0	1		tr	0			60
	18	54.5	18	03.5																				
	10.0	6.9																						
			18	08.4				white clay <35° bore axis																40
1810	93%	64%						0										2						80
sample for geochem t.p.																								
	18	15.2	18	13.5																				
	10.5	7.3	18	17.2														1						70
			<5	18																				65
1820	95%	66%		20.1														0						55
			29	18						1823.2		1												70
	18	26.2	<5	23.0			2																	
	10.0	3.7	18	28.2																				
1830			<5															2						60
	85%	33%	18	33.4																				
			<5															3						40
	18	37.4	18	38.0			0											2						40
1840	103	4.1	<5															1						25
	94%	38%	18	43.2																	tr			20
			86				1																	17
	18	48.3	18	48.3																				
1850	10.9	2.7	168																					15
			18	52.6																				
	99%	25%	146																					
			18	57.5						1857.4		2								1				
	18	59.3					2																	
1860	9.0	5.6	184																					
			18	62.6						1862.7		1									0?			20
	87%	54%	100				1																	
			18	67.6																	tr			20
	18	69.6																						
1870	9.8	5.3	54																					20
			18	72.7																				
	94%	51%	78																					
			18	76.2																				
	18	80	152																					22
1880	7.0	2.2	18	80.9			0						tr								0			35
			<5																					
	78%	24%	18	85.3														1						30
			<5																					
	18	89.9	18	90.0																				
1890	9.6	2.5	<5		numerous irregular fractures 0-60ft creaks with white clay above 1890, green clay below ± pyrite		1					tr	1											35
	67%	23%	18	95.2														2						45
			<5																					
1900	19	00	19	00.0																				

Litho: Formation; Rock type: apparently hydrothermic volcanic rock with minor rare local laminations; Color: chocolate, pale grey, pale brownish grey, pale grey, grey

Structure: Attitudes; fault; breccia; vein; gouge

Alteration: Silic, argillic, clay (green), prop, Sericite, Chlorite

Met.: FEOX, CO3, Sulfide

Mineralogy: Pyrite, Marcasite, Calc/Dolo, Clay, Mag Susc

10-55I

45-150

25-80

Newmont Gold Core Form

Hole# RS-450 **Logged by** G Langstaff **Date** 9/19/98

Area E. Dreamland **Coords**

Az/Incl -90 **Total Depth** 2050' **Contractor**

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay	Hug-Sace
1900	93	16	Chocolate	apparently aphyric volcanic rock with mmb	grey	10	1905.0		<10 jt w/white clay, py 20° slicks; 40 jt w/green clay	0	1	0	0		0	tr	1	0	0	0	0	1	1	0				25
	93%	6%				48	1910.0				1											1						25
1910	19	10				45	1915.1		numerous irregular fract. mostly <30° to core axis with green clay top 1 mm?													0		tr				20
	94%	34%				46	1920.0		50 jts w/green clay 30°; 65 jt w/white clay, py; 25								tr					1						35
1920	19	20				40	1923.7		75 jts w/green clay 30°, py, mmb; 5					1922.5 - 1925.5 - fine sphaeralitic texture														25
	97%	37%			pale grey	146	1928.8		25 jts w/green clay 30°, mmb; 60																			35
1930	19	30				120	1932.0		0-20 jt w/white clay; 60; 5		2			1929.6 - 1933.4 - reddish brown, pyritic, hard matrix with altered subangular clasts in and immediately above fault is similar to some shaly conglomerate	1						?				1				30
fault zone	95	5.3				250	1933.7		25 slt planes w/green clay, pyrite 30° slicks		1																	15
	95%	53%			pale and very pale grey	578	1937.2		5-25 jt w/py, green clay 30° slicks		0				1		0 ?			pale grey clay veins	0							12
1940	19	40				376	1942.0		30 jts w/grey (clay), py, parallel 25-35° slicks						0		tr							2				12
	10.0	7.1		breccia w/mmb		256	1945.3		40 fit w/green clay		1																	10
	100%	71%				148	1949.4		35 jt w/green clay 30° slicks; 20 jt w/green clay, py, 45° slicks								1								tr			2
1950	19	50		sandy conglom.		56	1953.0							1949.8														5
	9.7	8.6		conglomerate or brecciated volcanic rock (w mmb)		456	1956.4		55 jt w/red clay, py, 15° slicks																1			6
	97%	86%			pale and very pale greenish grey	472	1962.0		50-60 jts w/green clay, py; 75; 45; 70			irreg py veins 25-35° to c.a.																10
1960	19	60				354	1966.0		10 ft w/white clay, sulfide <10° slicks				0	1966.5			0					2		1	tr			2
	9.7	5.3				250	1967.5																					5
fault zone	97%	53%				114	1970.8		50 clay+py																			6
1970	19	70				19	1971.9		30 ft w/green clay, qtz, calc, marc, py		1											1						5
qtz+marc vein	9.8	8.3		apparently aphyric volcanic rock without mmb	very pale grey	102.3	1974.4		25					1972.0 - 2-7cm thick vein along fault planar upper contact @30°, irregular lower contact at 30-35° to core axis, subparallel 1cm thick vein 2cm below																8
	98%	83%				19	1972.6		30 sulfide																			8
						72	2.5		30 jt																			8
						19	1977.7		15 qtz+marc																			8
1980	19	80				76	1982.2		45 jt w/clay, py 35° slicks; jt w/white clay, calc, marc, py 75° slicks		?		0			tr												12
	9.6	8.2				432	1986.8		20 (irreg) jt w/white clay, py 35° slicks					1982.2 - 2002.5 - less altered with relict brownish-grey "clasts" of pseudo-breccia surrounded by strongly bleached "matrix"															13
qtz+marc talc veins				apparently aphyric volcanic rock and brownish-grey		224	1990.0																					10
	19	90				820	1992.9		65 jt w/clay, sulfide 60° slicks													2		2				13
1990 disseminated	10.0	8.7				332			21 fractures (clay, marc, qtz) 20 jt w/clay, sulfide 30° slicks			sparse, irreg qtz+talc <30° to c.a.	0									1		1				18
2000	20.0		black breccia vein			19	1998.5		20 5 py+clay+qtz?					1999 - black breccia vein, mostly wallrock, dark clay, py, probably some quartz, cuts sulfide veinlets, pale green clay veinlet										0						15
						80	1999.5		15																			

RECORFIELD.DOC Revised 3/17/98

Newmont Gold Core Form

Hole# RS-450 | **Az/Incl** -90 | **Page** 7 of 7

Logged by G. Langstaff | **Area** E Dreamland | **Total Depth** 2050'

Date 9/20/98 | **Coords** | **Contractor**

Footage	% Rec	RQD	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: Attitudes	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay green	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Alteration:	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Mag Susc.
2000	10.1	7.9	Chocolate	appearently aphyric volcanic rock, pseudobreccia 1982.2-2050 local rotation of laminated clasts 2030-2050	↑	64										tr	0					0	0		1	1			17
						2002.6								2002.5															
						15			20 jt sulfide								tr												25
						20	06.6		30 jt along sulfide																				
						52			30 20 35 jts along sulfide																				20
2010	20	10							50																				
	9.6	7.8				20	11.3		40 jts along sulfide																				
						15			50																	tr			25
									60 jt/tuf clay, sulfide 20° slide																	0			
						20	16.5		50 tuf/white clay 50° slide																				
									30					2016.5		0	1												50
						15			<10 jt/calc														1						
2020	20	20				20	20.7																2						
	9.9	8.9							55 jt																tr				
						15																							300
						20	25.6		75 jt/calc																				
						15			30 jt																				900
2030	20	30				20	30.0										R in "matrix"												
	9.7	7.9																											
						15			50 jt																				200
						20	36.0																1						
									35 jt/tuf/green clay														0						
						17																							35
2040	20	40																											
	9.9	7.5				20	42.2							2042.2		tr	tr					tr ?							
								20																					
sample for geochem						15																							22
						20	46.2	25	30 jt 55					2046.2			0?												
						15																							25
								50																					
2050	20	50				20	50																2						

2050.0 T.D.

2049-2050 - good example of pseudobreccia with laminations continuous from "clast" to "clast", however, laminated "clasts" definitely rotated at 2046

2060

2070

2080

2090

10-35 SF

20-600 600-1200 200-600 40-150

RECORFIELD.DWG Revised 3/17/98

Hole# RS-450 precollar **Newmont Gold Rotary Form** **Az/Incl** -90 **Page**

Logged by R. Vance **Area** E. DreamLand **Total Depth** 1450'

Date 9/22/98 **Coords** **Contractor** 1 of 3

Footage	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Alteration: Silic	Alteration: argillic	Alteration: clay	Alteration: prop	Alteration: Sericite	Alteration: Chlorite	Met.: FEOX	Met.: CO3	Met.: Sulfide	Mineralogy: Pyrite	Mineralogy: Marcasite	Mineralogy: Calc/Dolo	Mineralogy: Clay	Mineralogy: Hematite (specular)
0	Tbg	cgl, sed, bxa	PINK, white, gray and tan								heterogeneous chips of felsic volcanics, claystone → SS, and microbxa; interpreted as conglomerate of the Badger (Drill site is built in Badger). Limonite and hematite are widespread. Some specularite. Altered clasts, and altered matrix.	1	2	1				2	1						1
50	Tbg?	sed bxa	dk brown and reddish brown				? 1			1	Transitional unit @ Badger-Chocolate contact. Earthy hm matrix. Volcanic clasts are mostly choc tuffs. Crystal-lithic tuff and aphyric tuff. Clay-rich vfg epiclastic at 50-55' may be fault gouge, or sheared red beds			1				2	1						1
100	Tc										Purplish-gray to reddish-brown tuff (or flow?) that is moderately altered.														
150																									
200																									
250																									
300																									
350																									
400																									
450																									
500																									

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Co

Address:

City Winnemucca State NV Zip

Telephone Number: ( ) Fax Number: ( )

Project Name: Rosebud Exploration Purchase Order Number: 450

Date Submitted: 8/30/98 Number of Samples: 290 + 3 Standards

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-450: 0-1450'	RC	Au FA+AA(30g); Ag D210
20 Ft Composites	RC	ICP Pkg: 0-200' as shown on attached List w/ Se
		" 800-1450' as shown w/Se
Standards 760B, 1240B, 1450B		200-800' as shown: No Se
		No ICP

MS-3
(RMG1)
1240B

PEEL HERE

MS-1
(RMG1)
760B

PEEL HERE

MS-2
MS-2
1450B

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month
[ ] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
Winn

Results to:

Randy Vance
Winn

Comments:

Newmont Rosebud Sample Prep

CLIENT FILE COPY

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050754

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES	Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-450 1650-1655	<5		<0.001		<0.5	<0.02
RS-450 1655-1660	<5		<0.001		<0.5	<0.02
RS-450 1660.0-1662.3	<5		<0.001		<0.5	<0.02
RS-450 1662.3-1663.5	147		0.004		3.1	0.09
RS-450 1663.5-1667.5	<5		<0.001		<0.5	<0.02
RS-450 1667.5-1671.4	<5		<0.001		<0.5	<0.02
RS-450 1671.4-1676.9	<5		<0.001		<0.5	<0.02
RS-450 1676.9-1680.8	<5		<0.001		<0.5	<0.02
RS-450 1680.8-1684.2	<5		<0.001		<0.5	<0.02
RS-450 1684.2-1690.0	<5		<0.001		<0.5	<0.02
RS-450 1690.0-1695.7	<5		<0.001		<0.5	<0.02
RS-450 1695.7-1701.0	<5		<0.001		<0.5	<0.02
RS-450 1701.0-1706.7	<5		<0.001		<0.5	<0.02
RS-450 1706.7-1712.0	<5		<0.001		<0.5	<0.02
RS-450 1712.0-1715.9	<5		<0.001		1.0	0.03
RS-450 1715.9-1719.5	<5		<0.001		<0.5	<0.02
RS-450 1719.5-1723.0	8	<5	<0.001	<0.001	<0.5	<0.02
RS-450 1723.0-1728.5	<5		<0.001		<0.5	<0.02
RS-450 1728.5-1733.6	<5		<0.001		1.5	0.04
RS-450 1733.6-1738.5	13		<0.001		1.3	0.04
RS-450 1738.5-1743.6	<5		<0.001		<0.5	<0.02
RS-450 1743.6-1749.0	<5		<0.001		0.7	0.02
RS-450 1749.0-1754.3	<5		<0.001		0.7	0.02
RS-450 1754.3-1758.8	68		0.002		4.3	0.13
RS-450 1758.8-1764.1	<5		<0.001		0.8	0.02

10/02/1998 11:36 7023561414 AMERICAN ASSAY LABS PAGE 02
OCT-02-98 12:22 7023561414 P.02 R-333 Job-791

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050754

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES		Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-450 1764.1-1769.6	5.5'	2892		0.084		5.1	0.15
RS-450 1769.6-1774.5		102		0.003		3.2	0.09
RS-450 1769.6-1774.5B	SRS	6436		0.188		0.7	0.02
RS-450 1774.5-1780.0		17		<0.001		<0.5	<0.02
RS-450 1780.0-1784.8		<5		<0.001		<0.5	<0.02
RS-450 1784.8-1790.0		<5		<0.001		<0.5	<0.02
RS-450 1790.0-1794.5		<5		<0.001		<0.5	<0.02
RS-450 1794.5-1798.5		<5		<0.001		<0.5	<0.02
RS-450 1798.5-1803.5		<5		<0.001		<0.5	<0.02
RS-450 1803.5-1808.4		<5		<0.001		<0.5	<0.02
RS-450 1808.4-1813.5		<5		<0.001		<0.5	<0.02
RS-450 1813.5-1817.2		<5		<0.001		<0.5	<0.02
RS-450 1817.2-1820.1		<5		<0.001		<0.5	<0.02
RS-450 1820.1-1823.0		40		0.001		<0.5	<0.02
RS-450 1823.0-1828.2		<5		<0.001		<0.5	<0.02
RS-450 1828.2-1833.4		<5		<0.001		<0.5	<0.02
RS-450 1833.4-1838.0		<5		<0.001		<0.5	<0.02
RS-450 1838.0-1843.2		<5		<0.001		<0.5	<0.02
RS-450 1843.2-1848.3	5.1'	102		0.003		1.9	0.06
RS-450 1848.3-1852.6	4.3'	168		0.005		2.6	0.08
RS-450 1852.6-1857.5	4.9'	146		0.004		3.1	0.09
RS-450 1857.5-1862.6	5.1'	184		0.005		2.8	0.08
RS-450 1862.6-1867.6	5'	100		0.003		2.1	0.06
RS-450 1867.6-1872.7		54		0.002		1.8	0.05
RS-450 1872.7-1876.2		78		0.002		2.1	0.06

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050754

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES		Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-450 1876.2-1880.9		152		0.004		2.1	0.06
RS-450 1880.9-1885.3		<5		<0.001		0.7	0.02
RS-450 1885.3-1890.0		<5		<0.001		<0.5	<0.02
RS-450 1890.0-1895.2		<5		<0.001		<0.5	<0.02
RS-450 1895.2-1900.0		<5		<0.001		<0.5	<0.02
RS-450 1900-1905		10		<0.001		1.3	0.04
RS-450 1905-1910		DTF		DTF		1.2	0.04
RS-450 1910.0-1915.1		<5		<0.001		<0.5	<0.02
RS-450 1915.1-1920.0		46		0.001		1.9	0.06
RS-450 1920.0-1923.7		40		0.001		1.9	0.06
RS-450 1923.7-1928.8		146		0.004		1.7	0.05
RS-450 1928.8-1932.0		120		0.004		1.9	0.06
RS-450 1932.0-1933.7	1.7'	250		0.007 ✓		5.6	0.16
RS-450 1933.7-1937.2	3.5'	498		0.015 ✓		5.1	0.15
RS-450 1937.2-1942.0	4.8'	376		0.011		4.1	0.12
RS-450 1942.0-1945.3	3.3'	256		0.007		5.5	0.16
RS-450 1945.3-1949.4		148		0.004		3.8	0.11
RS-450 1949.4-1953.0		58		0.002		1.7	0.05
RS-450 1953.0-1956.4		DTF		DTF		3.9	0.11
RS-450 1956.4-1962.0		DTF		DTF		2.5	0.07
~~RS-450 1962-1966~~	4.0'	~~354~~		~~0.010~~		~~2.6~~	~~0.08~~
RS-450 1966.0-1967.9	1.9'	280		0.008		3.1	0.09
RS-450 1967.9-1971.9		114		0.003		20.8	0.61
RS-450 1971.9-1972.6	0.7'	1066		0.031 ✓		8.4	0.25
RS-450 1971.9-1972.6B	SRS	1082		0.032		0.9	0.03

10/02/1998 11:36 7023561414 AMERICAN ASSAY LABS PAGE 04
OCT-02-98 12:22 7023561414 P.04 R-333 Job-791

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050754

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES		Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-450 1972.6-1977.7		72		0.002		2.5	0.07
RS-450 1977.7-1982.2		76		0.002		2.2	0.06
RS-450 1982.2-1986.8	4.4'	432		0.013	✓	3.5	0.10
RS-450 1986.8-1990.0	3.2'	224		0.007	✓	3.5	0.10
RS-450 1990.0-1992.9	2.9'	828		0.024	✓	8.7	0.25
RS-450 1992.9-1998.5	5.6'	322		0.009	✓	2.1	0.06
RS-450 1998.5-1999.5		80		0.002		2.1	0.06
RS-450 1999.5-2002.6		64		0.002		1.3	0.04
RS-450 2002.6-2006.6		<5		<0.001		<0.5	<0.02
RS-450 2006.6-2011.3		52		0.002		0.9	0.03
RS-450 2011.3-2016.5		<5		<0.001		<0.5	<0.02
RS-450 2016.5-2020.7		<5		<0.001		<0.5	<0.02
RS-450 2020.7-2025.6		<5		<0.001		<0.5	<0.02
RS-450 2025.6-2030.0		<5		<0.001		<0.5	<0.02
RS-450 2030-2036		<5		<0.001		<0.5	<0.02
RS-450 2036.0-2042.2		14		<0.001		<0.5	<0.02
RS-450 2042.2-2046.2		<5		<0.001		<0.5	<0.02
RS-450 2046.2-2050.0		<5		<0.001		1.6	0.05

10/02/1998 11:36 7023561414 AMERICAN ASSAY LABS PAGE 05
OCT-02-98 12:22 7023561414 P.05 R-333 Job-791

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Company

Address: 861 W. 6th Street

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: (702) 625-5655

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 9/20/98 Number of Samples: 45

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-450: 1449.3-1650'	Core	Au by FA30 and Ag by D210
(see attached list)		each sample
		AAL 1/2 + Se on composite or single
		samples as shown on attached list

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month
[ ] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
NGC
Winnemucca

Results to:

Randy Vance
NGC
Winnemucca

Comments:

Newmont Rosebud Standard Sample Prep

RS-450
MS-3
(RMG1)
1573.6-1578.2B

CLIENT FILE COPY

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP050754

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

George -
Interesting assays. Lets review the core together, next week?
- Randy

CLIENT REFERENCE No: RS-450 RECEIVED : 25 SEP 1998

No. SAMPLES : 93 REPORTED : 25 SEP 1998

MAIN SAMPLE TYPE : DRILL CORE

NEVADA LEGISLATIVE DISCLAIMER :-
The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA30	15%	ppb	5
Au(R)	FA30	15%	ppb	5
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
Ag	D210	10%	ppm	0.5
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

10/02/1998 11:36 7023561414 AMERICAN ASSAY LABS PAGE 01
OCT-02-98 12:22 7023561414 P.01 R-333 Job-781

AAL 1/2 +Se

1449.3	1453.8	c
1453.8	1458.7	
1458.7	1464.2	
1464.2	1468.5	x
1468.5	1473.5	c
1473.5	1476.2	
1476.2	1480	c
1480	1485.3	
1485.3	1490.4	
1490.4	1495.6	
1495.6	1498.5	c
1498.5	1503	
1503	1507.8	c
1507.8	1512.9	
1512.9	1517.9	
1517.9	1522.6	
1522.6	1527.1	c
1527.1	1532	
1532	1538.3	
1538.3	1543.5	
1543.5	1547	x
1547	1551.8	c
1551.8	1555.6	
1555.6	1560.4	
1560.4	1564	c
1564	1569	
1569	1573.6	
1573.6	1578.2B	none
1573.6	1578.2	c
1578.2	1583	
1583	1585	c
1585	1590	
1590	1595.2	c
1595.2	1600	
1600	1605	
1605	1610	
1610	1615.3	c
1615.3	1620	
1620	1625	
1625	1630	
1630	1633.7	
1633.7	1635.7	c
1635.7	1640	
1640	1645	
1645	1650	

c - composite sample for analysis
x - single sample for analysis

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Company

Address: 861 W. 6th Street

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: (702) 625-5655

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 9/23/98 Number of Samples: 93

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-450: 1650-2050' (see attached list)	Core	Au by FA30, Ag by D210 each sample
		AAL 1/2 + Se on composite or single samples as shown on attached list
PEEL HERE RS-450 G03-157 G03-157 1769.6-1774.5B		RS-450 MS-3 (RMG1) 1971.9-1972.6B

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[ ] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
NGC
Winnemucca

Results to:

Randy Vance
NGC
Winnemucca

Comments:

Newmont Rosebud Standard Sample Prep

CLIENT FILE COPY

AAL 1/2 + Sc

	1650	1655	c
	1655	1660	
	1660	1662.3	
	1662.3	1663.5	x
	1663.5	1667.5	c
	1667.5	1671.4	
	1671.4	1676.9	x
	1676.9	1680.8	c
	1680.8	1684.2	
	1684.2	1690	c
	1690	1695.7	
	1695.7	1701	
	1701	1706.7	
	1706.7	1712	c
	1712	1715.9	
	1715.9	1719.5	
	1719.5	1723	
	1723	1728.5	c
	1728.5	1733.6	
	1733.6	1738.5	
	1738.5	1743.6	
	1743.6	1749	
	1749	1754.3	c
	1754.3	1758.8	
	1758.8	1764.1	
	1764.1	1769.6	
	1769.6	1774.5	
no AAL1/2	1769.6	1774.5B	
	1774.5	1780	c
	1780	1784.8	
	1784.8	1790	
	1790	1794.5	
	1794.5	1798.5	
	1798.5	1803.5	c
	1803.5	1808.4	
	1808.4	1813.5	
	1813.5	1817.2	
	1817.2	1820.1	
	1820.1	1823	
	1823	1828.2	c
	1828.2	1833.4	
	1833.4	1838	
	1838	1843.2	c
	1843.2	1848.3	
	1848.3	1852.6	
	1852.6	1857.5	
	1857.5	1862.6	x
	1862.6	1867.6	c
	1867.6	1872.7	
	1872.7	1876.2	

AAL 1/2 + Se

	1876.2	1880.9	c
	1880.9	1885.3	
	1885.3	1890	
	1890	1895.2	c
	1895.2	1900	
	1900	1905	
	1905	1910	c
	1910	1915.1	
	1915.1	1920	c
	1920	1923.7	
	1923.7	1928.8	
	1928.8	1932	c
	1932	1933.7	
	1933.7	1937.2	c
	1937.2	1942	
	1942	1945.3	
	1945.3	1949.4	c
	1949.4	1953	
	1953	1956.4	
	1956.4	1962	c
	1962	1966	
	1966	1967.9	x
	1967.9	1971.9	x
	1971.9	1972.6	x
no AAL1/2	1971.9	1972.6B	
	1972.6	1977.7	c
	1977.7	1982.2	
	1982.2	1986.8	
	1986.8	1990	c
	1990	1992.9	
	1992.9	1998.5	x
	1998.5	1999.5	x
	1999.5	2002.6	x
	2002.6	2006.6	c
	2006.6	2011.3	
	2011.3	2016.5	
	2016.5	2020.7	c
	2020.7	2025.6	
	2025.6	2030	
	2030	2036	
	2036	2042.2	
	2042.2	2046.2	c
	2046.2	2050	

c - composite sample for analysis
x - single sample for analysis

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-450 RECEIVED : 9 SEP 1998

No. SAMPLES : 293 REPORTED : 9 SEP 1998

MAIN SAMPLE TYPE : DRILL CUTTINGS

NEVADA LEGISLATIVE DISCLAIMER :-
The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA30	15%	ppb	5
Au(R)	FA30	15%	ppb	5
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
Ag	D210	10%	ppm	0.5
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 000-005	27		<0.001		<0.5	<0.02
RS-450 005-010	22		<0.001		<0.5	<0.02
RS-450 010-015	11		<0.001		<0.5	<0.02
RS-450 015-020	6		<0.001		<0.5	<0.02
RS-450 020-025	7		<0.001		<0.5	<0.02
RS-450 025-030	11		<0.001		<0.5	<0.02
RS-450 030-035	<5		<0.001		<0.5	<0.02
RS-450 035-040	<5		<0.001		<0.5	<0.02
RS-450 040-045	<5		<0.001		<0.5	<0.02
RS-450 045-050	<5		<0.001		<0.5	<0.02
RS-450 050-055	<5		<0.001		<0.5	<0.02
RS-450 055-060	12		<0.001		<0.5	<0.02
RS-450 060-065	<5		<0.001		<0.5	<0.02
RS-450 065-070	<5		<0.001		<0.5	<0.02
RS-450 070-075	<5		<0.001		<0.5	<0.02
RS-450 075-080	<5		<0.001		<0.5	<0.02
RS-450 080-085	<5		<0.001		<0.5	<0.02
RS-450 085-090	<5		<0.001		<0.5	<0.02
RS-450 090-095	<5		<0.001		<0.5	<0.02
RS-450 095-100	<5		<0.001		<0.5	<0.02
RS-450 100-105	<5		<0.001		<0.5	<0.02
RS-450 105-110	<5		<0.001		<0.5	<0.02
RS-450 110-115	<5		<0.001		<0.5	<0.02
RS-450 115-120	<5		<0.001		<0.5	<0.02
RS-450 120-125	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 125-130	<5		<0.001		<0.5	<0.02
RS-450 130-135	<5		<0.001		<0.5	<0.02
RS-450 135-140	<5		<0.001		<0.5	<0.02
RS-450 140-145	<5		<0.001		<0.5	<0.02
RS-450 145-150	<5		<0.001		<0.5	<0.02
RS-450 150-155	<5		<0.001		<0.5	<0.02
RS-450 155-160	<5		<0.001		<0.5	<0.02
RS-450 160-165	<5		<0.001		<0.5	<0.02
RS-450 165-170	28		<0.001		<0.5	<0.02
RS-450 170-175	87		0.003		<0.5	<0.02
RS-450 175-180	96		0.003		<0.5	<0.02
RS-450 180-185	7		<0.001		<0.5	<0.02
RS-450 185-190	<5		<0.001		<0.5	<0.02
RS-450 190-195	<5		<0.001		<0.5	<0.02
RS-450 195-200	<5		<0.001		<0.5	<0.02
RS-450 200-205	<5		<0.001		<0.5	<0.02
RS-450 205-210	<5		<0.001		<0.5	<0.02
RS-450 210-215	<5		<0.001		<0.5	<0.02
RS-450 215-220	<5		<0.001		<0.5	<0.02
RS-450 220-225	<5		<0.001		<0.5	<0.02
RS-450 225-230	<5		<0.001		<0.5	<0.02
RS-450 230-235	<5		<0.001		<0.5	<0.02
RS-450 235-240	<5		<0.001		<0.5	<0.02
RS-450 240-245	<5		<0.001		<0.5	<0.02
RS-450 245-250	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 250-255	<5		<0.001		<0.5	<0.02
RS-450 255-260	<5		<0.001		<0.5	<0.02
RS-450 260-265	<5		<0.001		<0.5	<0.02
RS-450 265-270	<5		<0.001		<0.5	<0.02
RS-450 270-275	<5		<0.001		<0.5	<0.02
RS-450 275-280	<5		<0.001		<0.5	<0.02
RS-450 280-285	<5		<0.001		<0.5	<0.02
RS-450 285-290	<5		<0.001		<0.5	<0.02
RS-450 290-295	<5		<0.001		<0.5	<0.02
RS-450 295-300	<5		<0.001		<0.5	<0.02
RS-450 300-305	<5		<0.001		<0.5	<0.02
RS-450 305-310	<5		<0.001		<0.5	<0.02
RS-450 310-315	<5		<0.001		<0.5	<0.02
RS-450 315-320	<5		<0.001		<0.5	<0.02
RS-450 320-325	<5		<0.001		<0.5	<0.02
RS-450 325-330	<5		<0.001		<0.5	<0.02
RS-450 330-335	<5		<0.001		<0.5	<0.02
RS-450 335-340	<5		<0.001		<0.5	<0.02
RS-450 340-345	<5		<0.001		<0.5	<0.02
RS-450 345-350	<5		<0.001		<0.5	<0.02
RS-450 350-355	<5		<0.001		<0.5	<0.02
RS-450 355-360	<5		<0.001		<0.5	<0.02
RS-450 360-365	<5		<0.001		<0.5	<0.02
RS-450 365-370	<5		<0.001		<0.5	<0.02
RS-450 370-375	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 375-380	<5		<0.001		<0.5	<0.02
RS-450 380-385	<5		<0.001		<0.5	<0.02
RS-450 385-390	<5		<0.001		<0.5	<0.02
RS-450 390-395	<5		<0.001		<0.5	<0.02
RS-450 395-400	<5		<0.001		<0.5	<0.02
RS-450 400-405	<5		<0.001		<0.5	<0.02
RS-450 405-410	<5		<0.001		<0.5	<0.02
RS-450 410-415	<5		<0.001		<0.5	<0.02
RS-450 415-420	<5		<0.001		<0.5	<0.02
RS-450 420-425	<5		<0.001		<0.5	<0.02
RS-450 425-430	<5		<0.001		<0.5	<0.02
RS-450 430-435	<5		<0.001		<0.5	<0.02
RS-450 435-440	25		<0.001		<0.5	<0.02
RS-450 440-445	<5		<0.001		<0.5	<0.02
RS-450 445-450	<5		<0.001		<0.5	<0.02
RS-450 450-455	<5		<0.001		<0.5	<0.02
RS-450 455-460	<5		<0.001		<0.5	<0.02
RS-450 460-465	<5		<0.001		<0.5	<0.02
RS-450 465-470	<5		<0.001		<0.5	<0.02
RS-450 470-475	<5		<0.001		<0.5	<0.02
RS-450 475-480	<5		<0.001		<0.5	<0.02
RS-450 480-485	<5		<0.001		<0.5	<0.02
RS-450 485-490	<5		<0.001		<0.5	<0.02
RS-450 490-495	<5		<0.001		<0.5	<0.02
RS-450 495-500	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 500-505	<5		<0.001		<0.5	<0.02
RS-450 505-510	<5		<0.001		<0.5	<0.02
RS-450 510-515	<5		<0.001		<0.5	<0.02
RS-450 515-520	<5		<0.001		<0.5	<0.02
RS-450 520-525	<5		<0.001		<0.5	<0.02
RS-450 525-530	<5		<0.001		<0.5	<0.02
RS-450 530-535	<5		<0.001		<0.5	<0.02
RS-450 535-540	<5		<0.001		<0.5	<0.02
RS-450 540-545	<5		<0.001		<0.5	<0.02
RS-450 545-550	<5		<0.001		<0.5	<0.02
RS-450 550-555	<5		<0.001		<0.5	<0.02
RS-450 555-560	<5		<0.001		<0.5	<0.02
RS-450 560-565	<5		<0.001		<0.5	<0.02
RS-450 565-570	<5		<0.001		<0.5	<0.02
RS-450 570-575	<5		<0.001		<0.5	<0.02
RS-450 575-580	<5		<0.001		<0.5	<0.02
RS-450 580-585	<5		<0.001		<0.5	<0.02
RS-450 585-590	<5		<0.001		<0.5	<0.02
RS-450 590-595	<5		<0.001		<0.5	<0.02
RS-450 595-600	<5		<0.001		<0.5	<0.02
RS-450 600-605	<5		<0.001		<0.5	<0.02
RS-450 605-610	<5		<0.001		<0.5	<0.02
RS-450 610-615	<5		<0.001		<0.5	<0.02
RS-450 615-620	<5		<0.001		<0.5	<0.02
RS-450 620-625	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 625-630	<5		<0.001		<0.5	<0.02
RS-450 630-635	<5		<0.001		<0.5	<0.02
RS-450 635-640	<5		<0.001		<0.5	<0.02
RS-450 640-645	<5		<0.001		<0.5	<0.02
RS-450 645-650	<5		<0.001		<0.5	<0.02
RS-450 650-655	<5		<0.001		<0.5	<0.02
RS-450 655-660	<5		<0.001		<0.5	<0.02
RS-450 660-665	<5		<0.001		<0.5	<0.02
RS-450 665-670	<5		<0.001		<0.5	<0.02
RS-450 670-675	<5		<0.001		<0.5	<0.02
RS-450 675-680	<5		<0.001		<0.5	<0.02
RS-450 680-685	<5		<0.001		<0.5	<0.02
RS-450 685-690	<5		<0.001		<0.5	<0.02
RS-450 690-695	<5		<0.001		<0.5	<0.02
RS-450 695-700	<5		<0.001		<0.5	<0.02
RS-450 700-705	<5		<0.001		<0.5	<0.02
RS-450 705-710	<5		<0.001		<0.5	<0.02
RS-450 710-715	<5		<0.001		<0.5	<0.02
RS-450 715-720	<5		<0.001		<0.5	<0.02
RS-450 720-725	<5		<0.001		<0.5	<0.02
RS-450 725-730	<5		<0.001		<0.5	<0.02
RS-450 730-735	<5		<0.001		<0.5	<0.02
RS-450 735-740	<5		<0.001		<0.5	<0.02
RS-450 740-745	<5		<0.001		<0.5	<0.02
RS-450 745-750	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 750-755	<5		<0.001		<0.5	<0.02
RS-450 755-760	<5		<0.001		<0.5	<0.02
RS-450 755-760B	98		0.003		<0.5	<0.02
RS-450 760-765	<5		<0.001		<0.5	<0.02
RS-450 765-770	<5		<0.001		<0.5	<0.02
RS-450 770-775	<5		<0.001		<0.5	<0.02
RS-450 775-780	<5		<0.001		<0.5	<0.02
RS-450 780-785	<5		<0.001		<0.5	<0.02
RS-450 785-790	<5		<0.001		<0.5	<0.02
RS-450 790-795	<5		<0.001		<0.5	<0.02
RS-450 795-800	<5		<0.001		<0.5	<0.02
RS-450 800-805	<5		<0.001		<0.5	<0.02
RS-450 805-810	<5		<0.001		<0.5	<0.02
RS-450 810-815	<5		<0.001		<0.5	<0.02
RS-450 815-820	<5		<0.001		<0.5	<0.02
RS-450 820-825	<5		<0.001		<0.5	<0.02
RS-450 825-830	<5		<0.001		<0.5	<0.02
RS-450 830-835	<5		<0.001		<0.5	<0.02
RS-450 835-840	<5		<0.001		<0.5	<0.02
RS-450 840-845	<5		<0.001		<0.5	<0.02
RS-450 845-850	<5		<0.001		<0.5	<0.02
RS-450 850-855	<5		<0.001		<0.5	<0.02
RS-450 855-860	<5		<0.001		<0.5	<0.02
RS-450 860-865	<5		<0.001		<0.5	<0.02
RS-450 865-870	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 870-875	<5		<0.001		<0.5	<0.02
RS-450 875-880	<5		<0.001		<0.5	<0.02
RS-450 880-885	<5		<0.001		<0.5	<0.02
RS-450 885-890	<5		<0.001		<0.5	<0.02
RS-450 890-895	6		<0.001		0.9	0.03
RS-450 895-900	26		<0.001		6.1	0.18
RS-450 900-905	54		0.002		3.5	0.10
RS-450 905-910	16		<0.001		2.4	0.07
RS-450 910-915	50		0.001		3.1	0.09
RS-450 915-920	<5		<0.001		1.4	0.04
RS-450 920-925	<5		<0.001		1.2	0.04
RS-450 925-930	40		0.001		4.9	0.14
RS-450 930-935	<5		<0.001		0.9	0.03
RS-450 935-940	<5		<0.001		<0.5	<0.02
RS-450 940-945	<5		<0.001		3.1	0.09
RS-450 945-950	<5		<0.001		1.2	0.04
RS-450 950-955	24		<0.001		1.4	0.04
RS-450 955-960	<5		<0.001		0.8	0.02
RS-450 960-965	<5		<0.001		<0.5	<0.02
RS-450 965-970	<5		<0.001		<0.5	<0.02
RS-450 970-975	<5		<0.001		<0.5	<0.02
RS-450 975-980	<5		<0.001		<0.5	<0.02
RS-450 980-985	<5		<0.001		<0.5	<0.02
RS-450 985-990	<5		<0.001		<0.5	<0.02
RS-450 990-995	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 995-1000	<5		<0.001		<0.5	<0.02
RS-450 1000-1005	<5		<0.001		<0.5	<0.02
RS-450 1005-1010	<5		<0.001		<0.5	<0.02
RS-450 1010-1015	<5		<0.001		<0.5	<0.02
RS-450 1015-1020	<5		<0.001		<0.5	<0.02
RS-450 1020-1025	<5		<0.001		<0.5	<0.02
RS-450 1025-1030	<5		<0.001		<0.5	<0.02
RS-450 1030-1035	<5		<0.001		<0.5	<0.02
RS-450 1035-1040	<5		<0.001		<0.5	<0.02
RS-450 1040-1045	<5		<0.001		<0.5	<0.02
RS-450 1045-1050	<5		<0.001		<0.5	<0.02
RS-450 1050-1055	<5		<0.001		<0.5	<0.02
RS-450 1055-1060	<5		<0.001		<0.5	<0.02
RS-450 1060-1065	<5		<0.001		<0.5	<0.02
RS-450 1065-1070	<5		<0.001		<0.5	<0.02
RS-450 1070-1075	<5		<0.001		<0.5	<0.02
RS-450 1075-1080	<5		<0.001		<0.5	<0.02
RS-450 1080-1085	<5		<0.001		<0.5	<0.02
RS-450 1085-1090	<5		<0.001		<0.5	<0.02
RS-450 1090-1095	<5		<0.001		<0.5	<0.02
RS-450 1095-1100	<5		<0.001		<0.5	<0.02
RS-450 1100-1105	<5		<0.001		<0.5	<0.02
RS-450 1105-1110	<5		<0.001		<0.5	<0.02
RS-450 1110-1115	<5		<0.001		<0.5	<0.02
RS-450 1115-1120	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1120-1125	<5		<0.001		<0.5	<0.02
RS-450 1125-1130	26		<0.001		1.9	0.06
RS-450 1130-1135	<5		<0.001		<0.5	<0.02
RS-450 1135-1140	<5		<0.001		<0.5	<0.02
RS-450 1140-1145	<5		<0.001		<0.5	<0.02
RS-450 1145-1150	<5		<0.001		<0.5	<0.02
RS-450 1150-1155	<5		<0.001		<0.5	<0.02
RS-450 1155-1160	<5		<0.001		<0.5	<0.02
RS-450 1160-1165	<5		<0.001		<0.5	<0.02
RS-450 1165-1170	<5		<0.001		<0.5	<0.02
RS-450 1170-1175	<5		<0.001		<0.5	<0.02
RS-450 1175-1180	<5		<0.001		<0.5	<0.02
RS-450 1180-1185	<5		<0.001		<0.5	<0.02
RS-450 1185-1190	<5		<0.001		<0.5	<0.02
RS-450 1190-1195	<5		<0.001		<0.5	<0.02
RS-450 1195-1200	<5		<0.001		<0.5	<0.02
RS-450 1200-1205	17		<0.001		<0.5	<0.02
RS-450 1205-1210	<5		<0.001		<0.5	<0.02
RS-450 1210-1215	7		<0.001		0.9	0.03
RS-450 1215-1220	17		<0.001		1.0	0.03
RS-450 1220-1225	<5		<0.001		<0.5	<0.02
RS-450 1225-1230	<5		<0.001		<0.5	<0.02
RS-450 1230-1235	<5		<0.001		1.0	0.03
RS-450 1235-1240	10		<0.001		1.2	0.04
RS-450 1235-1240B	883		0.026		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1240-1245	76	70	0.002	0.002	1.9	0.06
RS-450 1245-1250	<5		<0.001		<0.5	<0.02
RS-450 1250-1255	<5		<0.001		<0.5	<0.02
RS-450 1255-1260	<5		<0.001		<0.5	<0.02
RS-450 1260-1265	<5		<0.001		<0.5	<0.02
RS-450 1265-1270	<5		<0.001		<0.5	<0.02
RS-450 1270-1275	<5		<0.001		<0.5	<0.02
RS-450 1275-1280	<5		<0.001		<0.5	<0.02
RS-450 1280-1285	<5		<0.001		<0.5	<0.02
RS-450 1285-1290	<5		<0.001		<0.5	<0.02
RS-450 1290-1295	<5		<0.001		<0.5	<0.02
RS-450 1295-1300	<5		<0.001		<0.5	<0.02
RS-450 1300-1305	<5		<0.001		<0.5	<0.02
RS-450 1305-1310	<5		<0.001		<0.5	<0.02
RS-450 1310-1315	<5		<0.001		<0.5	<0.02
RS-450 1315-1320	8		<0.001		<0.5	<0.02
RS-450 1320-1325	15		<0.001		<0.5	<0.02
RS-450 1325-1330	<5		<0.001		<0.5	<0.02
RS-450 1330-1335	<5		<0.001		<0.5	<0.02
RS-450 1335-1340	<5		<0.001		<0.5	<0.02
RS-450 1340-1345	<5		<0.001		<0.5	<0.02
RS-450 1345-1350	<5		<0.001		<0.5	<0.02
RS-450 1350-1355	7		<0.001		<0.5	<0.02
RS-450 1355-1360	<5		<0.001		<0.5	<0.02
RS-450 1360-1365	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 9 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1365-1370	<5		<0.001		<0.5	<0.02
RS-450 1370-1375	<5		<0.001		<0.5	<0.02
RS-450 1375-1380	<5		<0.001		<0.5	<0.02
RS-450 1380-1385	19		<0.001		<0.5	<0.02
RS-450 1385-1390	<5		<0.001		<0.5	<0.02
RS-450 1390-1395	<5		<0.001		<0.5	<0.02
RS-450 1395-1400	<5		<0.001		<0.5	<0.02
RS-450 1400-1405	<5		<0.001		<0.5	<0.02
RS-450 1405-1410	<5		<0.001		<0.5	<0.02
RS-450 1410-1415	<5		<0.001		<0.5	<0.02
RS-450 1415-1420	13		<0.001		0.6	<0.02
RS-450 1420-1425	22		<0.001		1.4	0.04
RS-450 1425-1430	80		0.002		1.4	0.04
RS-450 1430-1435	168		0.005		2.1	0.06
RS-450 1435-1440	60		0.002		1.6	0.05
RS-450 1440-1445	14		<0.001		0.9	0.03
RS-450 1445-1450	266	406	0.008	0.012	0.8	0.02
RS-450 1445-1450B	130		0.004		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	3	0.01	0.2	1	1	1	0.01	10	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	8	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP050537
METHOD: AAL 01-2 + Se

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-450 0000-0020	< .3	0.82	23	8	69	< 3	0.19	< .2	1	4	7	2.54	440	0.13	29	0.04	62	4	0.13	4	0.011	13	21	1.4	40	12	< .01	< 8	10	< 2	20
RS-450 0020-0040	< .3	0.98	16	4	49	< 3	0.07	< .2	1	1	5	2.27	2110	0.16	34	0.03	36	2	0.04	2	0.007	10	17	2.8	33	14	< .01	< 8	9	< 2	14
RS-450 0040-0060	< .3	1.35	< 2	3	108	< 3	0.59	< .2	4	2	7	2.39	245	0.18	22	0.12	583	1	0.03	3	0.023	12	< 3	< .1	63	9	0.01	< 8	22	< 2	70
RS-450 0060-0080	< .3	1.07	< 2	< 3	67	< 3	0.34	0.5	2	3	5	2.42	40	0.28	13	0.05	403	1	0.03	2	0.005	21	4	< .1	57	9	0.01	< 8	13	< 2	53
RS-450 0080-0100	< .3	1.15	5	3	122	< 3	0.4	0.4	2	2	6	2.52	35	0.33	10	0.04	637	1	0.03	2	0.012	18	3	< .1	79	9	< .01	< 8	14	< 2	51
RS-450 0100-0120	< .3	1.17	< 2	3	127	< 3	0.58	1	1	1	4	1.83	65	0.37	17	0.04	661	1	0.03	1	0.01	26	< 3	< .1	79	10	< .01	< 8	5	< 2	42
RS-450 0120-0140	< .3	0.91	2	< 3	307	< 3	0.24	0.3	1	2	2	1.74	105	0.31	14	0.02	262	1	0.03	1	0.003	22	4	< .1	63	10	< .01	< 8	3	2	30
RS-450 0140-0160	< .3	0.63	2	< 3	55	< 3	0.84	0.2	1	2	4	1.72	65	0.24	15	0.02	522	1	0.03	2	0.002	16	< 3	< .1	67	10	< .01	< 8	3	3	31
RS-450 0160-0180	< .3	1.09	5	< 3	120	< 3	0.49	< .2	1	1	3	2.1	445	0.35	15	0.02	207	< 1	0.03	1	0.002	23	5	1.5	66	10	< .01	< 8	2	< 2	38
RS-450 0180-0200	< .3	0.95	3	< 3	65	< 3	1.24	< .2	1	1	2	1.62	50	0.32	12	0.02	566	1	0.03	1	0.001	18	3	< .1	93	9	< .01	< 8	2	< 2	28
RS-450 0200-0220	< .3	0.87	5	< 3	52	< 3	0.86	< .2	1	2	3	1.79	50	0.31	19	0.02	524	1	0.03	1	0.003	17	3		74	12	< .01	< 8	4	< 2	25
RS-450 0220-0240	< .3	0.94	3	< 3	63	< 3	0.84	0.2	1	2	2	1.68	40	0.34	14	0.02	483	1	0.03	2	0.002	17	5		64	10	< .01	< 8	3	2	28
RS-450 0240-0260	< .3	0.57	6	< 3	49	< 3	0.71	0.2	1	1	3	1.89	35	0.23	10	0.02	455	1	0.03	1	0.002	17	6		74	10	< .01	< 8	3	2	28
RS-450 0260-0280	< .3	0.83	8	< 3	125	< 3	0.57	0.3	1	1	3	1.98	295	0.28	13	0.02	400	1	0.03	1	0.003	22	4		93	11	< .01	< 8	3	2	45
RS-450 0280-0300	< .3	0.53	8	< 3	36	< 3	0.57	< .2	1	3	3	1.94	250	0.18	16	0.02	395	1	0.03	2	0.008	23	4		72	11	0.01	< 8	2	2	61
RS-450 0300-0320	< .3	0.57	10	< 3	43	< 3	0.67	0.4	2	2	3	2.17	215	0.2	21	0.04	581	1	0.03	1	0.022	23	4		78	10	0.02	< 8	5	3	105
RS-450 0320-0340	< .3	0.47	4	< 3	219	< 3	0.5	0.4	1	1	2	2.1	80	0.22	24	0.05	346	1	0.04	2	0.021	22	< 3		93	9	0.03	< 8	5	2	73
RS-450 0340-0360	< .3	0.59	3	4	92	< 3	0.98	0.7	1	1	2	2.17	45	0.28	23	0.06	590	1	0.06	1	0.023	17	< 3		108	9	0.04	< 8	6	< 2	64
RS-450 0360-0380	< .3	0.7	6	< 3	105	< 3	0.97	1.5	2	1	2	2.33	30	0.34	24	0.07	574	1	0.07	1	0.027	13	3		104	9	0.04	< 8	6	2	84
RS-450 0380-0400	< .3	1	6	< 3	97	< 3	1.34	0.5	2	1	9	2.42	40	0.33	26	0.09	623	2	0.08	1	0.029	15	< 3		199	9	0.02	< 8	6	< 2	71
RS-450 0400-0420	< .3	0.75	6	< 3	87	< 3	1.28	0.6	2	1	2	2.31	15	0.25	25	0.08	675	2	0.09	1	0.032	19	< 3		195	7	0.02	< 8	7	< 2	64
RS-450 0420-0440	< .3	1.35	4	< 3	92	< 3	1.23	0.5	2	4	8	2.72	30	0.26	27	0.17	623	2	0.11	2	0.039	15	3		362	8	0.02	< 8	9	< 2	64
RS-450 0440-0460	0.4	1.85	< 2	< 3	109	< 3	1.81	1.4	8	8	13	3.51	35	0.29	24	0.29	1223	1	0.09	3	0.102	12	< 3		478	5	0.02	< 8	38	< 2	98
RS-450 0460-0480	< .3	0.71	3	< 3	64	< 3	1.2	0.4	9	11	10	4.38	30	0.22	22	0.15	898	2	0.1	5	0.119	8	3		111	5	0.06	< 8	38	< 2	70
RS-450 0480-0500	< .3	0.68	3	4	122	< 3	1.35	0.4	8	9	9	4.29	45	0.22	22	0.12	990	2	0.1	4	0.113	8	< 3		113	6	0.05	< 8	35	< 2	59
RS-450 0500-0520	< .3	2.3	< 2	< 3	277	< 3	1.63	0.4	11	8	11	4.19	50	0.4	25	0.5	1049	1	0.12	4	0.107	12	3		454	5	0.04	< 8	31	< 2	108
RS-450 0520-0540	0.3	2.15	< 2	< 3	133	< 3	1.5	0.2	8	5	8	3.74	40	0.29	29	0.47	862	1	0.13	2	0.11	15	< 3		573	5	0.03	< 8	21	< 2	97
RS-450 0540-0560	< .3	2.01	< 2	< 3	97	< 3	1.22	0.6	7	5	8	3.61	25	0.29	29	0.39	688	1	0.14	2	0.11	13	< 3		542	4	0.03	< 8	22	< 2	98
RS-450 0560-0580	< .3	1.59	< 2	< 3	86	< 3	1.12	1	8	5	12	3.86	35	0.25	29	0.32	748	1	0.1	3	0.107	13	< 3		414	6	0.03	< 8	24	< 2	83
RS-450 0580-0600	< .3	0.77	2	3	94	< 3	1.04	0.6	8	7	8	4.22	40	0.27	25	0.17	740	2	0.1	3	0.102	11	< 3		145	7	0.05	< 8	22	< 2	65
RS-450 0600-0620	< .3	0.64	4	4	89	< 3	0.75	0.6	7	6	7	3.83	90	0.21	24	0.11	634	2	0.09	4	0.088	7	< 3		103	9	0.04	< 8	20	< 2	63
RS-450 0620-0640	< .3	0.69	3	5	88	< 3	0.74	0.7	7	7	9	4.05	45	0.22	25	0.13	706	2	0.1	3	0.097	6	< 3		112	9	0.05	< 8	23	< 2	66
RS-450 0640-0660	< .3	0.64	4	6	78	< 3	0.7	0.4	6	9	12	4.02	45	0.2	24	0.12	576	3	0.09	7	0.1	7	3		100	8	0.05	< 8	25	< 2	69
STANDARD C3	5.6	1.91	54	19	153	23	0.53	24	12	165	64	3.29	870	0.16	17	0.6	744	25	0.04	36	0.089	35	19		30	20	0.09	17	79	18	173
STANDARD G-2	< .3	1.09	< 2	< 3	246	< 3	0.63	< .2	4	77	3	2.01	15	0.52	6	0.59	512	2	0.12	8	0.096	3	< 3		86	2	0.12	< 8	40	2	44

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP050537
METHOD: AAL 01-2 + Se

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-450 0660-0680	< .3	0.74	4	3	99	< 3	1.09	0.2	7	7	9	3.87	35	0.27	26	0.14	567	2	0.1	4	0.101	8	< 3		122	8	0.05	< 8	23	< 2	64
RS-450 0680-0700	< .3	0.95	5	3	112	< 3	1.22	0.4	7	5	8	3.74	55	0.28	25	0.18	595	1	0.1	2	0.1	12	< 3		192	6	0.06	< 8	18	< 2	67
RS-450 0700-0720	< .3	1.38	< 2	6	226	< 3	1.09	0.7	7	5	9	3.58	45	0.32	26	0.26	601	1	0.1	3	0.091	11	< 3		270	6	0.05	< 8	18	< 2	77
RS-450 0720-0740	< .3	0.8	6	5	103	< 3	0.98	0.3	6	5	9	3.78	40	0.27	25	0.13	497	2	0.1	2	0.102	15	3		136	7	0.06	< 8	20	< 2	62
RS-450 0740-0760	< .3	1.23	5	5	90	4	1.48	0.4	6	8	10	3.92	40	0.28	26	0.2	737	2	0.1	3	0.098	12	< 3		244	5	0.05	< 8	22	< 2	68
RS-450 0760-0780	< .3	1.51	2	3	151	< 3	2.17	0.5	5	6	11	3.07	75	0.3	21	0.22	986	1	0.09	3	0.082	14	< 3		328	4	0.02	< 8	20	< 2	76
RS-450 0780-0800	< .3	0.91	3	4	78	< 3	1.2	0.4	5	9	9	3.42	85	0.3	15	0.12	862	2	0.11	4	0.068	11	< 3		100	5	0.04	< 8	31	< 2	66
RS-450 0800-0820	< .3	0.69	< 2	4	65	< 3	1.32	0.3	5	7	7	3.29	50	0.18	14	0.13	742	2	0.08	3	0.074	8	< 3	< .1	144	5	0.04	< 8	27	< 2	71
RS-450 0820-0840	0.3	0.8	4	< 3	78	< 3	1.79	0.2	5	5	6	3.08	50	0.2	14	0.14	775	1	0.08	2	0.09	11	< 3	< .1	198	4	0.06	< 8	22	< 2	78
RS-450 0840-0860	< .3	0.84	5	3	72	< 3	1.84	0.2	5	7	8	3.12	25	0.19	14	0.15	750	1	0.07	2	0.081	10	< 3	< .1	207	5	0.05	< 8	26	< 2	93
RS-450 0860-0880	< .3	0.96	5	< 3	118	< 3	1.64	0.3	5	5	7	3.03	125	0.22	18	0.11	595	2	0.06	2	0.077	13	3	< .1	149	5	0.05	< 8	31	< 2	105
RS-450 0880-0900	1.3	1.09	59	< 3	111	< 3	1.89	0.3	5	4	7	2.89	155	0.23	15	0.13	747	2	0.03	2	0.072	17	7	1.8	144	4	0.04	< 8	22	< 2	136
RS-450 0900-0920	2.4	0.6	68	< 3	56	< 3	1.72	0.4	2	6	7	2.28	190	0.13	11	0.3	734	4	0.02	2	0.028	16	11	5.4	90	5	< .01	8	5	< 2	97
RS-450 0920-0940	1.6	0.68	46	3	49	< 3	0.39	0.3	1	3	5	1.78	145	0.22	20	0.06	386	3	0.03	1	0.012	19	9	3.9	92	8	< .01	< 8	2	< 2	66
RS-450 0940-0960	1.3	0.76	72	3	73	< 3	0.31	0.4	2	4	5	2.33	155	0.23	18	0.07	580	3	0.03	1	0.011	23	14	3.6	113	9	< .01	< 8	1	< 2	91
RS-450 0960-0980	0.3	1.03	14	< 3	106	< 3	1.01	0.6	2	4	7	1.67	165	0.37	23	0.07	691	1	0.03	1	0.024	21	4	0.6	183	9	< .01	< 8	4	< 2	66
RS-450 0980-1000	< .3	1.5	3	< 3	215	< 3	2.07	0.5	2	3	4	1.86	100	0.5	25	0.13	934	1	0.05	2	0.034	13	< 3	0.3	280	3	< .01	< 8	5	< 2	73
RS-450 1000-1020	0.3	0.84	12	< 3	202	< 3	0.43	< .2	1	4	5	1.73	280	0.29	19	0.05	521	1	0.06	2	0.02	17	5	0.1	117	7	< .01	< 8	4	< 2	40
RS-450 1020-1040	< .3	1.21	3	< 3	118	< 3	1.65	0.4	1	4	3	1.45	105	0.46	26	0.09	655	1	0.06	1	0.024	20	< 3	0.1	266	3	< .01	< 8	2	< 2	44
RS-450 1040-1060	< .3	1.31	3	< 3	214	< 3	2.65	0.4	2	4	4	1.74	20	0.49	27	0.13	1227	1	0.05	1	0.03	14	< 3	< .1	319	2	0.01	< 8	4	< 2	58
RS-450 1060-1080	0.3	1.08	5	< 3	146	< 3	1.94	0.6	1	3	4	1.77	80	0.45	29	0.1	981	1	0.06	1	0.025	17	< 3	0.1	276	4	0.01	< 8	1	< 2	43
RS-450 1080-1100	0.3	0.68	41	< 3	58	< 3	0.71	0.4	1	2	3	2.12	225	0.3	22	0.06	957	< 1	0.05	1	0.017	20	6	0.3	168	7	< .01	< 8	1	< 2	38
RS-450 1100-1120	< .3	0.63	75	< 3	46	< 3	1.3	0.6	1	2	4	2.45	215	0.26	21	0.05	1340	1	0.05	1	0.018	23	6	0.3	170	6	< .01	< 8	1	< 2	39
RS-450 1120-1140	0.7	0.69	36	< 3	62	< 3	1.02	0.4	1	2	4	2.42	115	0.24	21	0.04	866	3	0.06	1	0.025	18	8	1.1	164	5	< .01	< 8	1	< 2	50
RS-450 1140-1160	< .3	0.45	42	3	75	< 3	1.19	0.5	1	3	4	2.22	185	0.21	25	0.03	852	1	0.06	1	0.016	14	4	< .1	133	8	< .01	< 8	1	< 2	35
RS-450 1160-1180	0.3	0.53	9	< 3	70	< 3	1.14	0.3	1	3	4	2.1	80	0.26	26	0.03	453	2	0.07	1	0.021	17	3	< .1	121	8	0.01	< 8	3	2	29
RS-450 1180-1200	0.4	0.66	62	< 3	129	< 3	0.8	0.4	1	4	5	2.09	155	0.25	23	0.03	680	2	0.07	2	0.03	15	6	0.6	112	7	< .01	< 8	2	< 2	47
RS-450 1200-1220	0.6	0.71	33	< 3	59	< 3	0.7	0.2	1	3	5	1.78	90	0.28	19	0.03	382	4	0.06	1	0.029	15	6	0.9	128	6	< .01	< 8	2	< 2	45
RS-450 1220-1240	0.6	0.86	40	< 3	57	< 3	1.04	0.3	1	3	5	2.36	155	0.31	19	0.05	728	4	0.06	1	0.03	22	7	1.6	172	4	< .01	< 8	2	< 2	66
RS-450 1240-1260	0.5	0.98	44	< 3	238	< 3	0.83	0.2	1	2	4	1.95	135	0.39	24	0.06	350	4	0.05	1	0.024	17	6	1.5	150	6	< .01	< 8	1	< 2	70
RS-450 1260-1280	0.4	0.77	24	< 3	90	< 3	1.12	0.3	1	4	4	1.77	105	0.39	28	0.06	644	1	0.07	2	0.029	18	4	0.4	129	7	< .01	< 8	1	< 2	45
RS-450 1280-1300	< .3	0.81	26	< 3	142	< 3	1.6	0.3	1	4	4	1.65	95	0.39	25	0.05	696	1	0.06	1	0.022	15	3	0.1	174	5	< .01	< 8	2	< 2	40
RS-450 1300-1320	< .3	0.48	6	< 3	71	< 3	1.29	0.3	1	3	3	1.84	35	0.23	28	0.02	732	1	0.07	1	0.023	13	< 3	0.2	130	8	0.02	< 8	1	< 2	20
STANDARD C3	5.7	1.86	52	18	146	22	0.52	23.4	12	161	61	3.22	875	0.15	16	0.59	730	25	0.04	35	0.085	36	19	0.5	29	21	0.08	20	76	16	168
STANDARD G-2	< .3	0.99	< 2	< 3	226	< 3	0.58	< .2	4	73	3	1.89	< 10	0.46	6	0.56	483	1	0.1	7	0.091	< 3	< 3	< .1	76	3	0.12	< 8	37	2	42

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT:	*NEWMONT GOLD COMPANY*
CLIENT REF:	ROSEBUD EXPLORATION
AAL REF:	SP050537
METHOD:	AAL 01-2 + Se

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RS-450 1320-1340	< .3	1.06	2	< 3	98	< 3	1.11	0.6	1	3	4	2.09	65	0.46	32	0.07	485	1	0.07	1	0.025	21	< 3	< .1	214	6	0.01	< 8	2	< 2	38
RS-450 1340-1360	< .3	0.77	3	< 3	106	< 3	1.58	0.7	1	2	4	1.82	50	0.39	30	0.06	726	1	0.06	1	0.019	16	< 3	< .1	187	5	0.01	< 8	1	< 2	34
RS-450 1360-1380	< .3	0.85	5	< 3	72	< 3	1.08	0.6	1	3	4	1.67	55	0.44	28	0.06	556	1	0.07	1	0.026	15	3	0.6	142	5	0.01	< 8	1	< 2	52
RS-450 1380-1400	< .3	1.03	4	< 3	93	< 3	1.34	1	2	4	4	1.69	60	0.52	29	0.09	563	2	0.06	2	0.023	18	3	0.3	151	6	0.01	< 8	3	< 2	50
RS-450 1400-1420	0.4	0.8	8	< 3	112	< 3	1.28	0.8	1	4	5	1.55	70	0.39	28	0.06	533	2	0.06	1	0.018	19	7	0.6	157	6	0.01	< 8	3	< 2	42
RS-450 1420-1440	1.5	0.57	22	< 3	92	< 3	0.56	0.4	1	3	5	1.39	95	0.31	26	0.04	274	9	0.05	1	0.017	17	8	3.3	151	5	< .01	< 8	3	< 2	38
RS-450 1440-1450	0.7	0.74	15	3	122	< 3	0.82	0.6	1	3	5	1.32	100	0.37	27	0.05	383	4	0.06	2	0.023	15	5	1.3	177	6	< .01	< 8	3	< 2	43

American Assay Laboratories

INVOICE

Remit To: P.O. Box11530
Reno, Nevada 89510
Phone NO.: 702-356-0606
Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431-5902

(702) 356-0606

INVOICE NO: SP 0050537-IN
INVOICE DATE: 09/24/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-450	RANDY VANCE	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
293	SAMPLES RECEIVED	.00	.00
3	NO PREPARATION REQUIRED	.00	.00
290	DRYING	1.00	290.00
290	JAW CRUSHING CHARGE	1.30	377.00
290	SPLITTING CHARGE	1.20	348.00
290	FINE MILLING CHARGE	2.00	580.00
293	Au (1 A.T. FIRE ASSAY)	8.00	2,344.00
293	HYDROCHLORIC/NITRIC DIGESTION	2.00	586.00
293	Ag ANALYSES	1.00	293.00
290	COMPOSITE CHARGE	1.00	290.00
73	MULTI-ELEMENT ICP PACKAGE	9.80	715.40
73	Se ANALYSES	7.15	521.95

NET INVOICE	6,345.35
LESS DEPOSIT	2,220.87
FREIGHT	.00
INVOICE TOTAL:	4,124.48

COPY

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050704

American Assay Laboratories

PO BOX 11560
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-450

No. SAMPLES : 45

MAIN SAMPLE TYPE : DRILL CORE

RECEIVED : 23 SEP 1998

REPORTED : 23 SEP 1998

NEVADA LEGISLATIVE DISCLAIMER :-
The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA30	15%	ppb	5
Au(R)	FA30	15%	ppb	5
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
Ag	D210	10%	ppm	0.5
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050704

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 23 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1449.3-1453.8	12		<0.001		2.2	0.06
RS-450 1453.8-1458.7	23		<0.001		1.7	0.05
RS-450 1458.7-1464.2	17		<0.001		1.2	0.04
RS-450 1464.2-1468.5	15		<0.001		<0.5	<0.02
RS-450 1468.5-1473.5	131		0.004		1.4	0.04
RS-450 1473.5-1476.2	48		0.001		2.0	0.06
RS-450 1476.2-1480.0	264		0.008		6.3	0.18
RS-450 1480.0-1485.3	<5		<0.001		<0.5	<0.02
RS-450 1485.3-1490.4	<5		<0.001		<0.5	<0.02
RS-450 1490.4-1495.6	<5		<0.001		<0.5	<0.02
RS-450 1495.6-1498.5	<5		<0.001		<0.5	<0.02
RS-450 1498.5-1503.0	<5		<0.001		<0.5	<0.02
RS-450 1503.0-1507.8	<5		<0.001		<0.5	<0.02
RS-450 1507.8-1512.9	<5		<0.001		<0.5	<0.02
RS-450 1512.9-1517.9	<5		<0.001		<0.5	<0.02
RS-450 1517.9-1522.6	<5		<0.001		<0.5	<0.02
RS-450 1522.6-1527.1	<5		<0.001		<0.5	<0.02
RS-450 1527.1-1532.0	<5		<0.001		<0.5	<0.02
RS-450 1532.0-1538.3	<5		<0.001		<0.5	<0.02
RS-450 1538.3-1543.5	10		<0.001		<0.5	<0.02
RS-450 1543.5-1547.0	78		0.002		1.5	0.04
RS-450 1547.0-1551.8	<5		<0.001		<0.5	<0.02
RS-450 1551.8-1555.6	<5		<0.001		<0.5	<0.02
RS-450 1555.6-1560.4	<5		<0.001		<0.5	<0.02
RS-450 1560.4-1564.0	660		0.019		1.7	0.05

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050704

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 23 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1564-1569	<5		<0.001		<0.5	<0.02
RS-450 1569.0-1573.6	270		0.008		1.2	0.04
RS-450 1573.6-1578.2B	984		0.029		<0.5	<0.02
RS-450 1573.6-1578.2	70	29	0.002	<0.001	0.9	0.03
RS-450 1578.2-1583.0	32		<0.001		1.2	0.04
RS-450 1583-1585	38		0.001		1.6	0.05
RS-450 1585-1590	18		<0.001		<0.5	<0.02
RS-450 1590.0-1595.2	<5		<0.001		<0.5	<0.02
RS-450 1595.2-1600.0	<5		<0.001		<0.5	<0.02
RS-450 1600-1605	<5		<0.001		<0.5	<0.02
RS-450 1605-1610	<5		<0.001		<0.5	<0.02
RS-450 1610.0-1615.3	<5		<0.001		<0.5	<0.02
RS-450 1615.3-1620.0	<5		<0.001		<0.5	<0.02
RS-450 1620-1625	<5		<0.001		<0.5	<0.02
RS-450 1625-1630	<5		<0.001		<0.5	<0.02
RS-450 1630.0-1633.7	<5		<0.001		<0.5	<0.02
RS-450 1633.7-1635.7	<5		<0.001		<0.5	<0.02
RS-450 1635.7-1640.0	<5		<0.001		<0.5	<0.02
RS-450 1640-1645	<5		<0.001		<0.5	<0.02
RS-450 1645-1650	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	3	0.01	0.2	1	1	1	0.01	10	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	8	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

CLIENT:	*NEWMONT GOLD COMPANY*
CLIENT REF:	ROSEBUD EXPLORATION
AAL REF:	SP050704
METHOD:	AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-450 1449.3-1464.2	0.8	0.6	13	< 3	73	< 3	0.69	0.3	1	2	8	1.52	30	0.36	35	0.06	472	10	0.06	2	0.017	17	5	1.6	180	8	< .01	< 8	2	< 2	30
RS-450 1464.2-1468.5	0.4	0.61	15	< 3	48	< 3	4.65	1.9	1	2	7	1.46	15	0.29	20	0.05	2793	8	0.07	1	0.114	18	5	1	155	5	0.01	< 8	2	< 2	27
RS-450 1468.5-1476.2	1.4	0.79	25	4	126	< 3	0.35	0.3	1	3	11	1.56	30	0.44	30	0.09	253	10	0.05	2	0.013	14	7	2.8	172	7	0.01	< 8	2	< 2	36
RS-450 1476.2-1495.6	1.4	0.79	39	< 3	54	< 3	0.78	0.2	1	6	20	2.81	60	0.34	23	0.03	457	22	0.06	3	0.035	18	6	2.6	100	6	< .01	< 8	2	< 2	38
RS-450 1495.6-1503.0	< .3	0.73	3	< 3	56	< 3	1.66	0.8	2	4	16	1.69	15	0.38	31	0.04	764	9	0.07	2	0.032	13	< 3	0.2	117	7	< .01	< 8	1	< 2	60
RS-450 1503.0-1522.6	< .3	0.91	3	< 3	62	< 3	1.43	0.3	2	7	18	2.2	15	0.41	31	0.05	953	16	0.07	4	0.033	19	< 3	0.1	104	8	< .01	< 8	2	< 2	69
RS-450 1522.6-1543.5	< .3	0.95	4	3	58	< 3	0.36	0.4	2	2	8	1.76	< 10	0.38	33	0.06	422	8	0.06	1	0.036	14	< 3	0.2	136	9	< .01	< 8	1	< 2	78
RS-450 1543.5-1547.0	1.4	0.98	8	< 3	58	< 3	0.18	0.4	2	2	6	2.08	15	0.39	28	0.05	871	33	0.05	1	0.032	20	3	2.8	135	8	< .01	< 8	1	< 2	74
RS-450 1547.0-1560.4	< .3	1.06	11	< 3	80	< 3	0.64	0.2	2	1	9	1.99	15	0.45	29	0.06	382	6	0.07	1	0.031	17	< 3	0.6	136	8	< .01	< 8	1	< 2	75
RS-450 1560.4-1573.6	1	0.97	11	< 3	58	< 3	0.71	< .2	2	2	7	2.18	35	0.44	25	0.05	446	25	0.05	1	0.031	19	3	3.1	161	6	< .01	< 8	1	< 2	72
RS-450 1573.6-1583.0	1	1.03	9	< 3	60	< 3	0.4	0.3	2	1	10	2.41	45	0.41	29	0.05	501	13	0.06	1	0.034	18	3	3.8	136	7	< .01	< 8	1	< 2	93
RS-450 1583-1590	1	0.99	8	< 3	52	< 3	0.24	0.3	1	1	7	2.26	35	0.42	30	0.05	807	34	0.05	1	0.032	27	3	2.5	135	7	< .01	< 8	1	< 2	91
RS-450 1590-1610	< .3	1.13	2	< 3	61	< 3	1.33	0.6	1	2	8	2.26	10	0.4	31	0.07	765	8	0.07	1	0.031	19	< 3	0.1	148	8	< .01	< 8	1	< 2	86
RS-450 1610.0-1633.7	< .3	1.02	3	< 3	116	< 3	1.28	0.3	1	2	10	2.13	< 10	0.36	31	0.07	743	6	0.06	1	0.033	17	< 3	< .1	147	8	< .01	< 8	1	< 2	78
RS-450 1633.7-1650.0	< .3	1.07	4	< 3	216	< 3	0.43	0.2	2	1	7	2.13	20	0.36	34	0.08	594	6	0.05	1	0.035	23	< 3	< .1	154	9	< .01	< 8	1	< 2	93
STANDARD C3	5.7	1.9	57	18	151	24	0.55	24.6	13	160	63	3.31	955	0.16	17	0.6	775	26	0.04	36	0.09	33	17	1.2	30	20	0.09	24	81	19	178
STANDARD G-2	< .3	1.06	< 2	< 3	227	< 3	0.64	< .2	5	137	9	2.15	760	0.46	7	0.58	546	4	0.09	12	0.08	3	< 3	0.9	82	3	0.13	< 8	41	< 2	47

American Assay Laboratories

INVOICE

Remit To: P.O. Box11530
Reno, Nevada 89510
Phone NO.: 702-356-0606
Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431-5902

(702) 356-0606

INVOICE NO: SP 0050704-IN
INVOICE DATE: 10/08/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-450	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
45	SAMPLES RECEIVED	.00	.00
44	DRYING	1.00	44.00
44	JAW CRUSHING CHARGE	1.30	57.20
44	SPLITTING CHARGE	1.20	52.80
44	FINE MILLING CHARGE	2.00	88.00
45	Au (1 A.T. FIRE ASSAY)	8.00	360.00
45	HYDROCHLORIC/NITRIC DIGESTION	2.00	90.00
45	Ag ANALYSES	1.00	45.00
42	COMPOSITE CHARGE	1.00	42.00
15	MULTI-ELEMENT ICP PACKAGE	9.80	147.00
15	Se ANALYSES	7.15	107.25

COPY

NET INVOICE:	1,033.05
LESS DISCOUNT:	361.84
FREIGHT:	.00
INVOICE TOTAL:	671.61

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050754

American Assay Laboratories

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-450

No. SAMPLES : 93

MAIN SAMPLE TYPE : DRILL CORE

RECEIVED : 25 SEP 1998

REPORTED : 25 SEP 1998

NEVADA LEGISLATIVE DISCLAIMER :-
The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA30	15%	ppb	5
Au(R)	FA30	15%	ppb	5
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
Ag	D210	10%	ppm	0.5
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050754

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1650-1655	<5		<0.001		<0.5	<0.02
RS-450 1655-1660	<5		<0.001		<0.5	<0.02
RS-450 1660.0-1662.3	<5		<0.001		<0.5	<0.02
RS-450 1662.3-1663.5	147	202	0.004	0.006	3.1	0.09
RS-450 1663.5-1667.5	<5		<0.001		<0.5	<0.02
RS-450 1667.5-1671.4	<5		<0.001		<0.5	<0.02
RS-450 1671.4-1676.9	<5		<0.001		<0.5	<0.02
RS-450 1676.9-1680.8	<5		<0.001		<0.5	<0.02
RS-450 1680.8-1684.2	<5		<0.001		<0.5	<0.02
RS-450 1684.2-1690.0	<5		<0.001		<0.5	<0.02
RS-450 1690.0-1695.7	<5		<0.001		<0.5	<0.02
RS-450 1695.7-1701.0	<5		<0.001		<0.5	<0.02
RS-450 1701.0-1706.7	<5		<0.001		<0.5	<0.02
RS-450 1706.7-1712.0	<5		<0.001		<0.5	<0.02
RS-450 1712.0-1715.9	<5		<0.001		1.0	0.03
RS-450 1715.9-1719.5	<5		<0.001		<0.5	<0.02
RS-450 1719.5-1723.0	8	<5	<0.001	<0.001	<0.5	<0.02
RS-450 1723.0-1728.5	<5		<0.001		<0.5	<0.02
RS-450 1728.5-1733.6	<5		<0.001		1.5	0.04
RS-450 1733.6-1738.5	13		<0.001		1.3	0.04
RS-450 1738.5-1743.6	<5		<0.001		<0.5	<0.02
RS-450 1743.6-1749.0	<5		<0.001		0.7	0.02
RS-450 1749.0-1754.3	<5		<0.001		0.7	0.02
RS-450 1754.3-1758.8	68	84	0.002	0.002	4.3	0.13
RS-450 1758.8-1764.1	<5		<0.001		0.8	0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050754

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1764.1-1769.6	2892	3116	0.084	0.091	5.1	0.15
RS-450 1769.6-1774.5	102	84	0.003	0.002	3.2	0.09
RS-450 1769.6-1774.5B	6436		0.188		0.7	0.02
RS-450 1774.5-1780.0	17		<0.001		<0.5	<0.02
RS-450 1780.0-1784.8	<5		<0.001		<0.5	<0.02
RS-450 1784.8-1790.0	<5		<0.001		<0.5	<0.02
RS-450 1790.0-1794.5	<5		<0.001		<0.5	<0.02
RS-450 1794.5-1798.5	<5		<0.001		<0.5	<0.02
RS-450 1798.5-1803.5	<5		<0.001		<0.5	<0.02
RS-450 1803.5-1808.4	<5		<0.001		<0.5	<0.02
RS-450 1808.4-1813.5	<5		<0.001		<0.5	<0.02
RS-450 1813.5-1817.2	<5		<0.001		<0.5	<0.02
RS-450 1817.2-1820.1	<5		<0.001		<0.5	<0.02
RS-450 1820.1-1823.0	40	18	0.001	<0.001	<0.5	<0.02
RS-450 1823.0-1828.2	<5		<0.001		<0.5	<0.02
RS-450 1828.2-1833.4	<5		<0.001		<0.5	<0.02
RS-450 1833.4-1838.0	<5		<0.001		<0.5	<0.02
RS-450 1838.0-1843.2	<5		<0.001		<0.5	<0.02
RS-450 1843.2-1848.3	102	70	0.003	0.002	1.9	0.06
RS-450 1848.3-1852.6	168		0.005		2.6	0.08
RS-450 1852.6-1857.5	146		0.004		3.1	0.09
RS-450 1857.5-1862.6	184		0.005		2.8	0.08
RS-450 1862.6-1867.6	100		0.003		2.1	0.06
RS-450 1867.6-1872.7	54		0.002		1.8	0.05
RS-450 1872.7-1876.2	78		0.002		2.1	0.06

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050754

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1876.2-1880.9	152		0.004		2.1	0.06
RS-450 1880.9-1885.3	<5		<0.001		0.7	0.02
RS-450 1885.3-1890.0	<5		<0.001		<0.5	<0.02
RS-450 1890.0-1895.2	<5		<0.001		<0.5	<0.02
RS-450 1895.2-1900.0	<5		<0.001		<0.5	<0.02
RS-450 1900-1905	10		<0.001		1.3	0.04
RS-450 1905-1910	48		0.001		1.2	0.04
RS-450 1910.0-1915.1	<5		<0.001		<0.5	<0.02
RS-450 1915.1-1920.0	46		0.001		1.9	0.06
RS-450 1920.0-1923.7	40		0.001		1.9	0.06
RS-450 1923.7-1928.8	146		0.004		1.7	0.05
RS-450 1928.8-1932.0	120		0.004		1.9	0.06
RS-450 1932.0-1933.7	250		0.007		5.6	0.16
RS-450 1933.7-1937.2	498	658	0.015	0.019	5.1	0.15
RS-450 1937.2-1942.0	376		0.011		4.1	0.12
RS-450 1942.0-1945.3	256		0.007		5.5	0.16
RS-450 1945.3-1949.4	148		0.004		3.8	0.11
RS-450 1949.4-1953.0	58		0.002		1.7	0.05
RS-450 1953.0-1956.4	456		0.013		3.9	0.11
RS-450 1956.4-1962.0	472		0.014		2.5	0.07
RS-450 1962-1966	354		0.010		2.6	0.08
RS-450 1966.0-1967.9	280		0.008		3.1	0.09
RS-450 1967.9-1971.9	114		0.003		20.8	0.61
RS-450 1971.9-1972.6	1066	980	0.031	0.029	8.4	0.25
RS-450 1971.9-1972.6B	1082	1052	0.032	0.031	0.9	0.03

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP050754

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-450

REPORTED : 25 SEP 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-450 1972.6-1977.7	72		0.002		2.5	0.07
RS-450 1977.7-1982.2	76		0.002		2.2	0.06
RS-450 1982.2-1986.8	432		0.013		3.5	0.10
RS-450 1986.8-1990.0	224		0.007		3.5	0.10
RS-450 1990.0-1992.9	828		0.024		8.7	0.25
RS-450 1992.9-1998.5	322		0.009		2.1	0.06
RS-450 1998.5-1999.5	80		0.002		2.1	0.06
RS-450 1999.5-2002.6	64		0.002		1.3	0.04
RS-450 2002.6-2006.6	<5		<0.001		<0.5	<0.02
RS-450 2006.6-2011.3	52		0.002		0.9	0.03
RS-450 2011.3-2016.5	<5		<0.001		<0.5	<0.02
RS-450 2016.5-2020.7	<5		<0.001		<0.5	<0.02
RS-450 2020.7-2025.6	<5		<0.001		<0.5	<0.02
RS-450 2025.6-2030.0	<5		<0.001		<0.5	<0.02
RS-450 2030-2036	<5		<0.001		<0.5	<0.02
RS-450 2036.0-2042.2	14	20	<0.001	<0.001	<0.5	<0.02
RS-450 2042.2-2046.2	<5		<0.001		<0.5	<0.02
RS-450 2046.2-2050.0	<5		<0.001		1.6	0.05

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	3	0.01	0.2	1	1	1	0.01	10	0.01	1	0.01	2	1	0.01	1	0.001	3	3	0.1	1	2	0.01	8	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP050754
METHOD: AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-450 1650.0-1662.3	< .3	1.13	5	3	72	< 3	0.74	0.5	2	6	11	2.17	35	0.44	29	0.08	517	14	0.07	2	0.029	19	< 3	0.3	128	6	< .01	< 8	1	< 2	67
RS-450 1662.3-1663.5	2.5	0.62	12	< 3	51	< 3	2.58	1	1	4	6	1.58	30	0.38	15	0.04	1006	61	0.05	1	0.025	31	6	10.1	164	3	< .01	< 8	1	< 2	38
RS-450 1663.5-1671.4	< .3	1	4	< 3	55	< 3	1.32	0.6	2	3	5	2.22	10	0.39	29	0.07	658	10	0.06	2	0.031	20	< 3	0.4	130	6	< .01	< 8	1	< 2	59
RS-450 1671.4-1676.9	< .3	2.08	< 2	3	97	< 3	0.35	0.7	5	7	7	2.65	< 10	0.74	60	0.19	1333	7	0.1	6	0.034	31	3	0.6	131	11	0.01	< 8	21	< 2	100
RS-450 1676.9-1684.2	< .3	1.65	< 2	7	76	< 3	0.37	0.4	5	6	8	2.66	35	0.54	59	0.16	952	9	0.07	5	0.035	28	3	0.4	130	11	0.01	< 8	18	< 2	96
RS-450 1684.2-1706.7	< .3	1.06	< 2	< 3	55	< 3	1.18	0.6	4	6	7	2.35	15	0.37	54	0.09	777	7	0.07	2	0.032	19	< 3	< .1	119	10	< .01	< 8	15	< 2	86
RS-450 1706.7-1723.0	0.6	1.08	5	< 3	59	< 3	0.35	0.3	4	4	6	2.61	< 10	0.33	53	0.06	805	15	0.06	2	0.031	23	< 3	0.3	102	10	< .01	< 8	11	< 2	79
RS-450 1723-1749	0.6	1.13	8	< 3	60	3	0.43	0.5	5	5	8	2.99	20	0.37	52	0.08	1261	12	0.06	3	0.031	17	< 3	1.2	98	9	< .01	< 8	10	< 2	96
RS-450 1749.0-1774.5	1.7	1.07	14	< 3	54	4	0.57	1.2	6	5	8	2.36	30	0.37	51	0.16	554	17	0.03	3	0.032	16	3	5.1	108	9	< .01	< 8	11	< 2	100
RS-450 1774.5-1798.5	< .3	1.29	11	< 3	71	< 3	0.78	0.4	5	8	8	2.71	45	0.37	55	0.29	1183	9	0.05	3	0.034	16	3	0.9	111	10	< .01	< 8	17	< 2	97
RS-450 1798.5-1823.0	< .3	1.13	41	< 3	65	< 3	0.48	0.5	4	6	7	2.49	80	0.43	56	0.16	1338	7	0.04	2	0.034	20	3	0.5	141	11	< .01	< 8	13	< 2	93
RS-450 1823-1838	< .3	0.88	63	< 3	37	< 3	2.31	0.4	3	4	8	1.95	90	0.45	43	0.07	1670	8	0.03	2	0.033	21	3	0.5	210	9	< .01	< 8	7	< 2	88
RS-450 1838.0-1857.5	1.6	0.83	62	< 3	52	< 3	0.46	0.6	4	4	8	2.46	45	0.37	33	0.05	284	8	0.03	2	0.031	22	5	10	171	7	< .01	< 8	7	< 2	119
RS-450 1857.5-1862.6	2.6	0.52	132	< 3	55	< 3	0.16	0.5	3	4	11	2.38	20	0.28	35	0.03	83	19	0.03	3	0.019	20	7	24.6	196	6	< .01	< 8	5	< 2	93
RS-450 1862.6-1876.2	1.8	0.79	173	< 3	59	< 3	0.17	0.2	5	4	8	3.68	60	0.35	37	0.06	132	11	0.05	4	0.023	17	7	14.1	187	6	< .01	< 8	7	< 2	105
RS-450 1876.2-1890.0	1	1.3	36	< 3	64	3	0.17	0.3	6	5	7	2.99	40	0.46	46	0.18	203	6	0.05	4	0.028	18	4	4.5	173	7	< .01	< 8	13	< 2	102
RS-450 1890-1905	0.5	1.5	8	< 3	57	< 3	0.68	0.3	4	5	6	2.57	25	0.67	47	0.14	410	6	0.06	2	0.032	20	< 3	1.6	163	9	< .01	< 8	18	< 2	113
RS-450 1905.0-1915.1	0.9	1.13	15	< 3	59	< 3	0.23	0.8	3	4	7	1.92	35	0.57	52	0.07	315	8	0.05	2	0.034	17	3	5.7	165	10	< .01	< 8	8	< 2	107
RS-450 1915.1-1928.8	1.8	0.78	50	3	51	< 3	0.23	0.3	4	3	8	2.82	40	0.36	48	0.06	222	8	0.06	2	0.035	21	6	9.6	162	9	< .01	< 8	7	< 2	126
RS-450 1928.8-1933.7	2.9	0.44	156	< 3	50	< 3	0.52	0.9	4	3	7	2.88	20	0.31	26	0.02	187	19	0.05	2	0.029	24	8	17.8	225	4	< .01	< 8	4	< 2	124
RS-450 1933.7-1945.3	4.4	0.37	82	< 3	50	< 3	0.3	0.8	3	2	7	2.29	20	0.25	34	0.01	116	35	0.04	2	0.028	23	11	18.5	185	6	< .01	< 8	2	< 2	82
RS-450 1945.3-1956.4	2.4	0.34	58	4	43	< 3	0.21	0.2	1	2	6	1.85	10	0.32	30	0.01	118	17	0.04	1	0.01	27	6	15.6	195	7	< .01	< 8	1	< 2	42
RS-450 1956.4-1966.0	2.2	0.42	84	< 3	35	< 3	0.25	0.3	1	3	5	1.79	< 10	0.32	26	0.01	99	13	0.04	1	0.018	18	5	14.5	199	5	< .01	< 8	1	< 2	47
RS-450 1966.0-1967.9	2.6	0.38	112	< 3	37	< 3	0.31	0.5	1	6	7	1.58	20	0.26	34	0.01	143	68	0.03	2	0.005	57	11	16.6	158	8	< .01	45	1	< 2	95
RS-450 1967.9-1971.9	1.9	0.41	97	< 3	36	< 3	0.21	0.2	1	9	10	1.84	20	0.28	54	0.01	159	25	0.04	3	0.006	22	7	7.8	111	13	< .01	< 8	1	< 2	88
RS-450 1971.9-1972.6	7.2	0.23	104	< 3	27	< 3	0.97	1.4	3	6	9	2.09	45	0.22	21	0.02	243	45	0.03	2	0.003	78	23	28.2	152	4	< .01	< 8	2	< 2	106
RS-450 1972.6-1986.8	2.3	0.38	192	< 3	38	< 3	0.25	0.2	1	7	9	2.15	< 10	0.29	54	0.01	163	23	0.05	2	0.007	18	8	13.8	119	14	< .01	< 8	1	< 2	97
RS-450 1986.8-1992.9	5.5	0.24	103	< 3	25	< 3	0.96	0.6	1	6	8	1.6	30	0.24	27	0.03	306	25	0.03	2	0.003	22	10	21.9	147	6	< .01	< 8	1	< 2	71
RS-450 1992.9-1998.5	1.2	0.37	99	3	37	< 3	0.19	< .2	1	6	8	1.49	15	0.27	49	0.02	137	21	0.05	2	0.005	15	5	8.5	103	13	< .01	< 8	1	< 2	56
RS-450 1998.5-1999.5	1.3	0.34	120	< 3	36	< 3	0.14	0.2	1	4	6	1.27	< 10	0.29	61	0.01	85	20	0.05	2	0.007	24	5	11.8	129	15	< .01	< 8	< 1	< 2	85
RS-450 1999.5-2002.6	1.1	0.34	90	< 3	34	< 3	0.07	< .2	1	6	8	1.37	< 10	0.25	51	0.01	97	20	0.05	2	0.006	19	5	9.3	103	13	< .01	< 8	1	< 2	50
RS-450 2002.6-2016.5	0.6	0.54	50	3	32	< 3	0.1	< .2	1	8	9	2.16	20	0.27	51	0.03	438	18	0.04	2	0.006	18	< 3	4	94	14	< .01	< 8	1	< 2	65
RS-450 2016.5-2042.2	0.8	0.94	2	< 3	30	< 3	0.66	0.3	1	4	6	3.12	25	0.31	58	0.05	1375	11	0.04	1	0.006	24	< 3	0.2	100	16	< .01	< 8	1	< 2	107
RS-450 2042.2-2050.0	0.7	0.47	2	< 3	30	< 3	0.2	< .2	1	4	5	1.45	35	0.31	63	0.03	719	10	0.05	1	0.008	20	< 3	0.3	88	16	< .01	< 8	1	< 2	65
STANDARD C3	5.6	1.81	59	20	148	24	0.53	24.9	13	159	63	3.24	935	0.17	17	0.59	759	26	0.04	36	0.09	34	16	1.9	29	20	0.09	19	79	21	176
STANDARD G-2	< .3	0.88	< 2	< 3	215	< 3	0.58	< .2	4	66	3	1.84	15	0.46	6	0.55	483	1	0.07	7	0.091	< 3	< 3	0.1	70	2	0.12	< 8	.37	2	42

American Assay Laboratories

INVOICE

Remit To: P.O. Box11530
Reno, Nevada 89510
Phone NO.: 702-356-0606
Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431-5902

(702) 356-0606

INVOICE NO: SP 0050754-IN
INVOICE DATE: 10/08/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-450	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
93	SAMPLES RECEIVED	.00	.00
2	NO PREPARATION REQUIRED	.00	.00
91	JAW CRUSHING CHARGE	1.30	118.30
91	SPLITTING CHARGE	1.20	109.20
91	FINE MILLING CHARGE	2.00	182.00
93	Au (1 A.T. FIRE ASSAY)	8.00	744.00
93	HYDROCHLORIC/NITRIC DIGESTION	2.00	186.00
93	Ag ANALYSES	1.00	93.00
82	COMPOSITE CHARGE	1.00	82.00
34	MULTI-ELEMENT ICP PACKAGE	9.80	333.20
34	Se ANALYSES	10.60	360.40

COPY

NET INVOICE	2,208.10
LESS DISCOUNT	772.84
FREIGHT	.00
INVOICE TOTAL	1,435.26

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP050754
METHOD: AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm
RS-450 1650.0-1662.3	< .3	1.13	5	3	72	< 3	0.74	0.5
RS-450 1662.3-1663.5	2.5	0.62	12	< 3	51	< 3	2.58	1
RS-450 1663.5-1671.4	< .3	1	4	< 3	55	< 3	1.32	0.6
RS-450 1671.4-1676.9	< .3	2.08	< 2	3	97	< 3	0.35	0.7
RS-450 1676.9-1684.2	< .3	1.65	< 2	7	76	< 3	0.37	0.4
RS-450 1684.2-1706.7	< .3	1.06	< 2	< 3	55	< 3	1.18	0.6
RS-450 1706.7-1723.0	0.6	1.08	5	< 3	59	< 3	0.35	0.3
RS-450 1723-1749	0.6	1.13	8	< 3	60	3	0.43	0.5
RS-450 1749.0-1774.5	1.7	1.07	14	< 3	54	4	0.57	1.2
RS-450 1774.5-1798.5	< .3	1.29	11	< 3	71	< 3	0.78	0.4
RS-450 1798.5-1823.0	< .3	1.13	41	< 3	65	< 3	0.48	0.5
RS-450 1823-1838	< .3	0.88	63	< 3	37	< 3	2.31	0.4
RS-450 1838.0-1857.5	1.6	0.83	62	< 3	52	< 3	0.46	0.6
RS-450 1857.5-1862.6	2.6	0.52	132	< 3	55	< 3	0.16	0.5
RS-450 1862.6-1876.2	1.8	0.79	173	< 3	59	< 3	0.17	0.2
RS-450 1876.2-1890.0	1	1.3	36	< 3	64	3	0.17	0.3
RS-450 1890-1905	0.5	1.5	8	< 3	57	< 3	0.68	0.3
RS-450 1905.0-1915.1	0.9	1.13	15	< 3	59	< 3	0.23	0.8
RS-450 1915.1-1928.8	1.8	0.78	50	3	51	< 3	0.23	0.3
RS-450 1928.8-1933.7	2.9	0.44	156	< 3	50	< 3	0.52	0.9
RS-450 1933.7-1945.3	4.4	0.37	82	< 3	50	< 3	0.3	0.8
RS-450 1945.3-1956.4	2.4	0.34	58	4	43	< 3	0.21	0.2
RS-450 1956.4-1966.0	2.2	0.42	84	< 3	35	< 3	0.25	0.3
RS-450 1966.0-1967.9	2.6	0.38	112	< 3	37	< 3	0.31	0.5
RS-450 1967.9-1971.9	1.9	0.41	97	< 3	36	< 3	0.21	0.2
RS-450 1971.9-1972.6	7.2	0.23	104	< 3	27	< 3	0.97	1.4
RS-450 1972.6-1986.8	2.3	0.38	192	< 3	38	< 3	0.25	0.2
RS-450 1986.8-1992.9	5.5	0.24	103	< 3	25	< 3	0.96	0.6
RS-450 1992.9-1998.5	1.2	0.37	99	3	37	< 3	0.19	< .2
RS-450 1998.5-1999.5	1.3	0.34	120	< 3	36	< 3	0.14	0.2

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
2	6	11	2.17	35	0.44	29	0.08	517	14	0.07	2	0.029	19	< 3	0.3	128	6	< .01	< 8	1	< 2	67
1	4	6	1.58	30	0.38	15	0.04	1006	61	0.05	1	0.025	31	6	10.1	164	3	< .01	< 8	1	< 2	38
2	3	5	2.22	10	0.39	29	0.07	658	10	0.06	2	0.031	20	< 3	0.4	130	6	< .01	< 8	1	< 2	59
5	7	7	2.65	< 10	0.74	60	0.19	1333	7	0.1	6	0.034	31	3	0.6	131	11	0.01	< 8	21	< 2	100
5	6	8	2.66	35	0.54	59	0.16	952	9	0.07	5	0.035	28	3	0.4	130	11	0.01	< 8	18	< 2	96
4	6	7	2.35	15	0.37	54	0.09	777	7	0.07	2	0.032	19	< 3	< .1	119	10	< .01	< 8	15	< 2	86
4	4	6	2.61	< 10	0.33	53	0.06	805	15	0.06	2	0.031	23	< 3	0.3	102	10	< .01	< 8	11	< 2	79
5	5	8	2.99	20	0.37	52	0.08	1261	12	0.06	3	0.031	17	< 3	1.2	98	9	< .01	< 8	10	< 2	96
6	5	8	2.36	30	0.37	51	0.16	554	17	0.03	3	0.032	16	3	5.1	108	9	< .01	< 8	11	< 2	100
5	8	8	2.71	45	0.37	55	0.29	1183	9	0.05	3	0.034	16	3	0.9	111	10	< .01	< 8	17	< 2	97
4	6	7	2.49	80	0.43	56	0.16	1338	7	0.04	2	0.034	20	3	0.5	141	11	< .01	< 8	13	< 2	93
3	4	8	1.95	90	0.45	43	0.07	1670	8	0.03	2	0.033	21	3	0.5	210	9	< .01	< 8	7	< 2	88
4	4	8	2.46	45	0.37	33	0.05	284	8	0.03	2	0.031	22	5	10	171	7	< .01	< 8	7	< 2	119
3	4	11	2.38	20	0.28	35	0.03	83	19	0.03	3	0.019	20	7	24.6	196	6	< .01	< 8	5	< 2	93
5	4	8	3.68	60	0.35	37	0.06	132	11	0.05	4	0.023	17	7	14.1	187	6	< .01	< 8	7	< 2	105
6	5	7	2.99	40	0.46	46	0.18	203	6	0.05	4	0.028	18	4	4.5	173	7	< .01	< 8	13	< 2	102
4	5	6	2.57	25	0.67	47	0.14	410	6	0.06	2	0.032	20	< 3	1.6	163	9	< .01	< 8	18	< 2	113
3	4	7	1.92	35	0.57	52	0.07	315	8	0.05	2	0.034	17	3	5.7	165	10	< .01	< 8	8	< 2	107
4	3	8	2.82	40	0.36	48	0.06	222	8	0.06	2	0.035	21	6	9.6	162	9	< .01	< 8	7	< 2	126
4	3	7	2.88	20	0.31	26	0.02	187	19	0.05	2	0.029	24	8	17.8	225	4	< .01	< 8	4	< 2	124
3	2	7	2.29	20	0.25	34	0.01	116	35	0.04	2	0.028	23	11	18.5	185	6	< .01	< 8	2	< 2	82
1	2	6	1.85	10	0.32	30	0.01	118	17	0.04	1	0.01	27	6	15.6	195	7	< .01	< 8	1	< 2	42
1	3	5	1.79	< 10	0.32	26	0.01	99	13	0.04	1	0.018	18	5	14.5	199	5	< .01	< 8	1	< 2	47
1	6	7	1.58	20	0.26	34	0.01	143	68	0.03	2	0.005	57	11	16.6	158	8	< .01	45	1	< 2	95
1	9	10	1.84	20	0.28	54	0.01	159	25	0.04	3	0.006	22	7	7.8	111	13	< .01	< 8	1	< 2	88
3	6	9	2.09	45	0.22	21	0.02	243	45	0.03	2	0.003	78	23	28.2	152	4	< .01	< 8	2	< 2	106
1	7	9	2.15	< 10	0.29	54	0.01	163	23	0.05	2	0.007	18	8	13.8	119	14	< .01	< 8	1	< 2	97
1	6	8	1.6	30	0.24	27	0.03	306	25	0.03	2	0.003	22	10	21.9	147	6	< .01	< 8	1	< 2	71
1	6	8	1.49	15	0.27	49	0.02	137	21	0.05	2	0.005	15	5	8.5	103	13	< .01	< 8	1	< 2	56
1	4	6	1.27	< 10	0.29	61	0.01	85	20	0.05	2	0.007	24	5	11.8	129	15	< .01	< 8	< 1	< 2	85

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP050754
METHOD: AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm
RS-450 1999.5-2002.6	1.1	0.34	90	< 3	34	< 3	0.07	< .2
RS-450 2002.6-2016.5	0.6	0.54	50	3	32	< 3	0.1	< .2
RS-450 2016.5-2042.2	0.8	0.94	2	< 3	30	< 3	0.66	0.3
RS-450 2042.2-2050.0	0.7	0.47	2	< 3	30	< 3	0.2	< .2
STANDARD C3	5.6	1.81	59	20	148	24	0.53	24.9
STANDARD G-2	< .3	0.88	< 2	< 3	215	< 3	0.58	< .2

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
1	6	8	1.37	< 10	0.25	51	0.01	97	20	0.05	2	0.006	19	5	9.3	103	13	< .01	< 8	1	< 2	50
1	8	9	2.16	20	0.27	51	0.03	438	18	0.04	2	0.006	18	< 3	4	94	14	< .01	< 8	1	< 2	65
1	4	6	3.12	25	0.31	58	0.05	1375	11	0.04	1	0.006	24	< 3	0.2	100	16	< .01	< 8	1	< 2	107
1	4	5	1.45	35	0.31	63	0.03	719	10	0.05	1	0.008	20	< 3	0.3	88	16	< .01	< 8	1	< 2	65
13	159	63	3.24	935	0.17	17	0.59	759	26	0.04	36	0.09	34	16	1.9	29	20	0.09	19	79	21	176
4	66	3	1.84	15	0.46	6	0.55	483	1	0.07	7	0.091	< 3	< 3	0.1	70	2	0.12	< 8	37	2	42

CLIENT: NEWMONT GOLD COMPANY
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP050704
METHOD: AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm
RS-450 1449.3-1464.2	0.8	0.6	13	< 3	73	< 3	0.69	0.3
RS-450 1464.2-1468.5	0.4	0.61	15	< 3	48	< 3	4.65	1.9
RS-450 1468.5-1476.2	1.4	0.79	25	4	126	< 3	0.35	0.3
RS-450 1476.2-1495.6	1.4	0.79	39	< 3	54	< 3	0.78	0.2
RS-450 1495.6-1503.0	< .3	0.73	3	< 3	56	< 3	1.66	0.8
RS-450 1503.0-1522.6	< .3	0.91	3	< 3	62	< 3	1.43	0.3
RS-450 1522.6-1543.5	< .3	0.95	4	3	58	< 3	0.36	0.4
RS-450 1543.5-1547.0	1.4	0.98	8	< 3	58	< 3	0.18	0.4
RS-450 1547.0-1560.4	< .3	1.06	11	< 3	80	< 3	0.64	0.2
RS-450 1560.4-1573.6	1	0.97	11	< 3	58	< 3	0.71	< .2
RS-450 1573.6-1583.0	1	1.03	9	< 3	60	< 3	0.4	0.3
RS-450 1583-1590	1	0.99	8	< 3	52	< 3	0.24	0.3
RS-450 1590-1610	< .3	1.13	2	< 3	61	< 3	1.33	0.6
RS-450 1610.0-1633.7	< .3	1.02	3	< 3	116	< 3	1.28	0.3
RS-450 1633.7-1650.0	< .3	1.07	4	< 3	216	< 3	0.43	0.2
STANDARD C3	5.7	1.9	57	18	151	24	0.55	24.6
STANDARD G-2	< .3	1.06	< 2	< 3	227	< 3	0.64	< .2

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
1	2	8	1.52	30	0.36	35	0.06	472	10	0.06	2	0.017	17	5	1.6	180	8	< .01	< 8	2	< 2	30
1	2	7	1.46	15	0.29	20	0.05	2793	8	0.07	1	0.114	18	5	1	155	5	0.01	< 8	2	< 2	27
1	3	11	1.56	30	0.44	30	0.09	253	10	0.05	2	0.013	14	7	2.8	172	7	0.01	< 8	2	< 2	36
1	6	20	2.81	60	0.34	23	0.03	457	22	0.06	3	0.035	18	6	2.6	100	6	< .01	< 8	2	< 2	38
2	4	16	1.69	15	0.38	31	0.04	764	9	0.07	2	0.032	13	< 3	0.2	117	7	< .01	< 8	1	< 2	60
2	7	18	2.2	15	0.41	31	0.05	953	16	0.07	4	0.033	19	< 3	0.1	104	8	< .01	< 8	2	< 2	69
2	2	8	1.76	< 10	0.38	33	0.06	422	8	0.06	1	0.036	14	< 3	0.2	136	9	< .01	< 8	1	< 2	78
2	2	6	2.08	15	0.39	28	0.05	871	33	0.05	1	0.032	20	3	2.8	135	8	< .01	< 8	1	< 2	74
2	1	9	1.99	15	0.45	29	0.06	382	6	0.07	1	0.031	17	< 3	0.6	136	8	< .01	< 8	1	< 2	75
2	2	7	2.18	35	0.44	25	0.05	446	25	0.05	1	0.031	19	3	3.1	161	6	< .01	< 8	1	< 2	72
2	1	10	2.41	45	0.41	29	0.05	501	13	0.06	1	0.034	18	3	3.8	136	7	< .01	< 8	1	< 2	93
1	1	7	2.26	35	0.42	30	0.05	807	34	0.05	1	0.032	27	3	2.5	135	7	< .01	< 8	1	< 2	91
1	2	8	2.26	10	0.4	31	0.07	765	8	0.07	1	0.031	19	< 3	0.1	148	8	< .01	< 8	1	< 2	86
1	2	10	2.13	< 10	0.36	31	0.07	743	6	0.06	1	0.033	17	< 3	< .1	147	8	< .01	< 8	1	< 2	78
2	1	7	2.13	20	0.36	34	0.08	594	6	0.05	1	0.035	23	< 3	< .1	154	9	< .01	< 8	1	< 2	93
13	160	63	3.31	955	0.16	17	0.6	775	26	0.04	36	0.09	33	17	1.2	30	20	0.09	24	81	19	178
5	137	9	2.15	760	0.46	7	0.58	546	4	0.09	12	0.08	3	< 3	0.9	82	3	0.13	< 8	41	< 2	47

1774.5	1780
1780	1784.8
1784.8	1790
1790	1794.5
1794.5	1798.5
1798.5	1803.5
1803.5	1808.4
1808.4	1813.5
1813.5	1817.2
1817.2	1820.1
1820.1	1823
1823	1828.2
1828.2	1833.4
1833.4	1838
1838	1843.2
1843.2	1848.3
1848.3	1852.6
1852.6	1857.5
1857.5	1862.6
1862.6	1867.6
1867.6	1872.7
1872.7	1876.2

1876.2	1880.9
1880.9	1885.3
1885.3	1890
1890	1895.2
1895.2	1900
1900	1905
1905	1910
1910	1915.1
1915.1	1920
1920	1923.7
1923.7	1928.8
1928.8	1932
1932	1933.7
1933.7	1937.2
1937.2	1942
1942	1945.3
1945.3	1949.4
1949.4	1953
1953	1956.4
1956.4	1962
1962	1966
1966	1967.9
1967.9	1971.9
1971.9	1972.6
1971.9	1972.6B
1972.6	1977.7
1977.7	1982.2

1982.2	1986.8
1986.8	1990
1990	1992.9
1992.9	1998.5
1998.5	1999.5
1999.5	2002.6
2002.6	2006.6
2006.6	2011.3
2011.3	2016.5
2016.5	2020.7
2020.7	2025.6
2025.6	2030
2030	2036
2036	2042.2
2042.2	2046.2
2046.2	2050

1449.3	1453.8
1453.8	1458.7
1458.7	1464.2
1464.2	1468.5
1468.5	1473.5
1473.5	1476.2
1476.2	1480
1480	1485.3
1485.3	1490.4
1490.4	1495.6
1495.6	1498.5
1498.5	1503
1503	1507.8
1507.8	1512.9
1512.9	1517.9
1517.9	1522.6
1522.6	1527.1
1527.1	1532
1532	1538.3
1538.3	1543.5
1543.5	1547
1547	1551.8
1551.8	1555.6
1555.6	1560.4
1560.4	1564
1564	1569
1569	1573.6
1573.6	1578.2
1578.2	1583
1583	1585
1585	1590
1590	1595.2
1595.2	1600
1600	1605
1605	1610
1610	1615.3
1615.3	1620
1620	1625
1625	1630
1630	1633.7
1633.7	1635.7
1635.7	1640
1640	1645
1645	1650
1650	1655
1655	1660
1660	1662.3
1662.3	1663.5
1663.5	1667.5
1667.5	1671.4
1671.4	1676.9
1676.9	1680.8

made bags up to this point

Shipped 9-30-98

1680.8	1684.2
1684.2	1690
1690	1695.7
1695.7	1701
1701	1706.7
1706.7	1712
1712	1715.9
1715.9	1719.5
1719.5	1723
1723	1728.5
1728.5	1733.6
1733.6	1738.5
1738.5	1743.6
1743.6	1749
1749	1754.3
1754.3	1758.8
1758.8	1764.1
1764.1	1769.6
1769.6	1774.5

CUSTOMER----------: NEWMONT EXPLORATION
MINE SITE----------: ROSEBUD
HOLE NO.----------: RS 450
DATE----------: 9/2/98

SILVER STATE SURVEYS, INC.

TIE IN COORDINATES
ELEVATION----------: N/A
NORTH+/SOUTH----: N/A
EAST+/WEST-------: N/A
WATER LEVEL----:
PROJECTED DEPTH--: N/A

SURVEY CERTIFIED BY
J. Beilhartz
D. BEILHARTZ

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+/S- (FEET)	RECTANGULAR COORDINATES E+/W- (FEET)	DOGLEG 100/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
0	0.00	0.00	-89.34	215.99	0.00	0.00	0.00	0.00	0.00	89.7
50	50.00	0.59	-88.96	138.56	-0.57	0.13	2.20	0.59	167.19	89.7
100	99.99	1.48	-88.84	180.62	-1.42	0.42	1.60	1.48	163.36	89.7
150	149.97	2.90	-87.86	164.69	-2.83	0.67	2.14	2.90	166.76	89.7
200	199.92	5.03	-87.16	148.53	-4.79	1.56	1.97	5.03	161.96	88.8
250	249.81	8.06	-85.18	124.34	-7.03	3.94	5.03	8.06	150.72	88.8
300	299.59	12.38	-84.07	120.81	-9.54	7.89	2.31	12.38	140.38	87.9
350	349.31	17.45	-83.87	123.63	-12.34	12.34	0.72	17.45	135.01	87.9
400	399.05	22.55	-84.30	131.83	-15.47	16.41	1.90	22.55	133.32	87.9
450	448.82	27.27	-84.87	136.01	-18.74	19.81	1.38	27.27	133.40	87.9
500	498.63	31.63	-85.04	123.07	-21.53	23.18	2.30	31.63	132.89	87.9
550	548.49	35.33	-86.41	132.87	-23.77	26.14	3.10	35.33	132.29	87.9
600	598.39	38.36	-86.37	110.12	-25.38	28.77	2.85	38.36	131.42	87.0
650	648.26	41.51	-85.09	90.84	-25.96	32.40	3.81	41.51	128.70	87.9
700	698.08	45.13	-85.29	105.02	-26.52	36.52	2.40	45.13	125.99	87.9
750	747.91	49.03	-85.11	102.44	-27.51	40.58	0.56	49.03	124.14	87.9
800	797.69	53.46	-84.31	114.07	-28.98	44.93	2.67	53.46	122.83	88.8
850	847.48	58.09	-85.01	124.25	-31.22	48.99	2.36	58.09	122.51	88.8
900	897.29	62.45	-84.93	129.88	-33.85	52.48	1.00	62.45	122.83	88.8
950	947.08	66.95	-84.69	124.33	-36.58	56.08	1.11	66.95	123.11	89.7
1000	996.88	71.36	-84.99	140.40	-39.56	59.38	2.94	71.36	123.67	89.7

CUSTOMER----------: NEWMONT EXPLORATION
MINE SITE----------: ROSEBUD
HOLE NO.----------: RS 450
DATE----------: 9/2/98

SILVER STATE SURVEYS, INC.

TIE IN COORDINATES
ELEVATION----------: N/A
NORTH+/SOUTH----: N/A
EAST+/WEST--------: N/A

WATER LEVEL----:
PROJECTED DEPTH--: N/A

SURVEY CERTIFIED BY

D. BEILHARTZ

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+/S- (FEET)	RECTANGULAR COORDINATES E+/W- (FEET)	DOGLEG 100/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
1050	1046.69	75.64	-84.96	130.31	-42.67	62.45	1.77	75.64	124.34	90.5
1100	1096.46	80.41	-84.03	130.51	-45.78	66.10	1.85	80.41	124.70	91.4
1150	1146.12	86.05	-82.67	141.72	-49.97	70.06	3.75	86.05	125.50	92.3
1200	1195.76	91.92	-83.42	138.40	-54.62	73.93	1.69	91.92	126.45	92.3
1250	1245.38	97.90	-82.58	137.54	-59.14	78.02	1.70	97.90	127.16	93.2
1300	1294.92	104.60	-81.89	131.34	-63.86	82.85	2.16	104.60	127.62	88.8
1350	1344.43	111.61	-81.90	135.11	-68.68	87.98	1.06	111.61	127.98	89.7
1400	1393.92	118.56	-81.84	141.83	-73.97	92.66	1.90	118.56	128.60	91.4
1450	1443.43	125.34	-81.94	147.60	-79.71	96.73	1.64	125.34	129.49	93.2
1500	1492.95	131.93	-82.29	144.21	-85.39	100.57	1.16	131.93	130.33	94.9
1550	1542.51	138.45	-82.42	139.50	-90.62	104.67	1.28	138.45	130.88	95.8
1600	1592.07	144.98	-82.31	143.56	-95.82	108.80	1.10	144.98	131.37	99.3
1650	1641.55	152.08	-81.14	137.71	-101.36	113.38	2.87	152.08	131.80	101.1
1700	1691.02	159.27	-82.20	139.90	-106.80	118.15	2.20	159.27	132.11	102.8
1750	1740.50	166.37	-81.24	143.53	-112.46	122.60	2.18	166.37	132.53	103.7
1800	1789.94	173.67	-81.59	146.12	-118.56	126.90	1.05	173.67	133.05	104.6
1840	1829.55	179.11	-82.46	141.92	-123.05	130.15	2.61	179.11	133.39	105.5

HORIZONTAL PROJECTION

Survey File: RS-450B

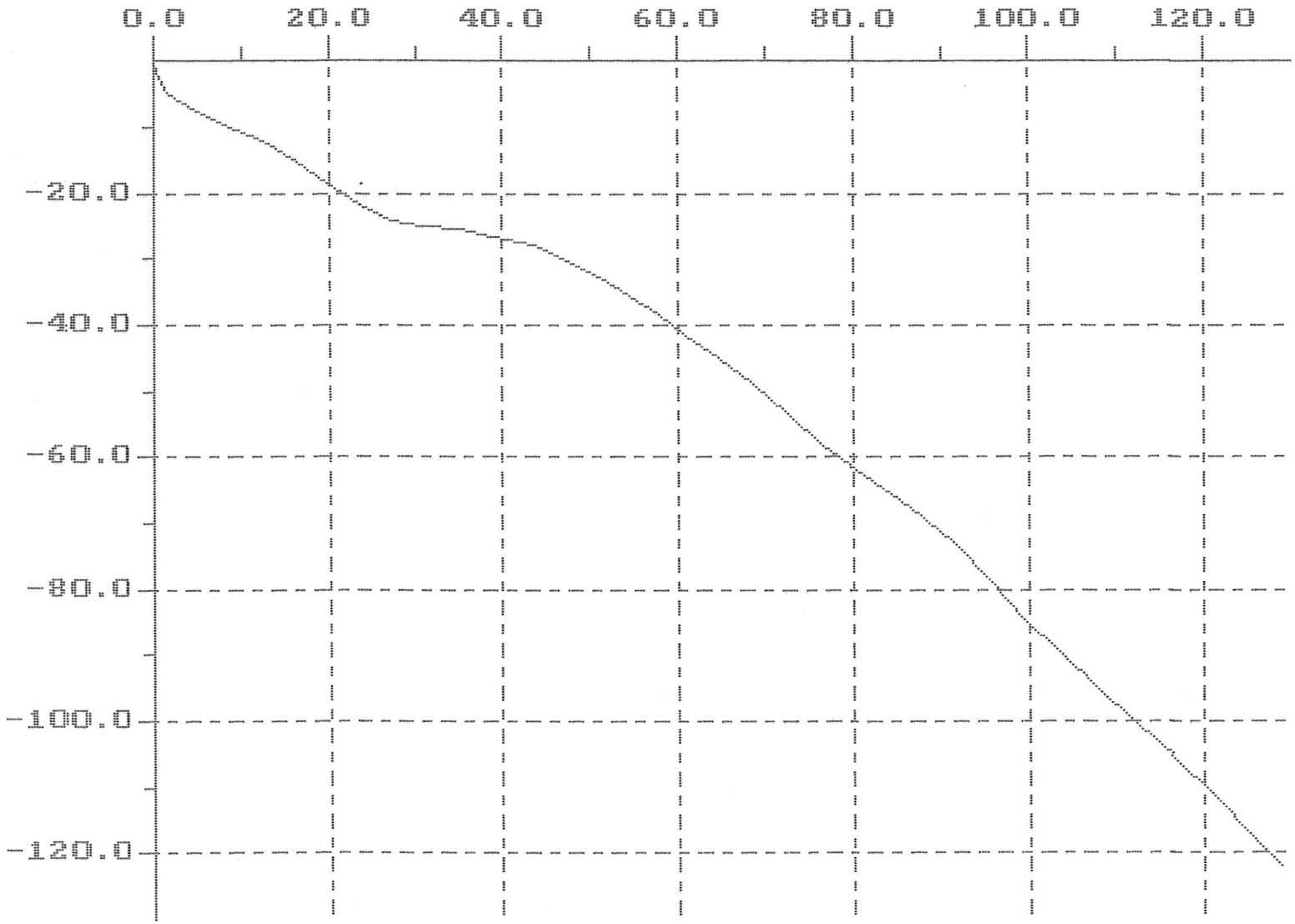
Customer: NEWMONT GOLD

Starting from 0.0 E/W 0.0 N/S

Bottom closure direction: 133.5

Time: 07:40:08

Date: 9- 2-98



E/W Data Max: 128.7

E/W Data Min: 0.0

(scale in feet)

N/S Data Max: 0.0

N/S Data Min: -122.1

VERTICAL PROJECTION

Survey File: RS-450B

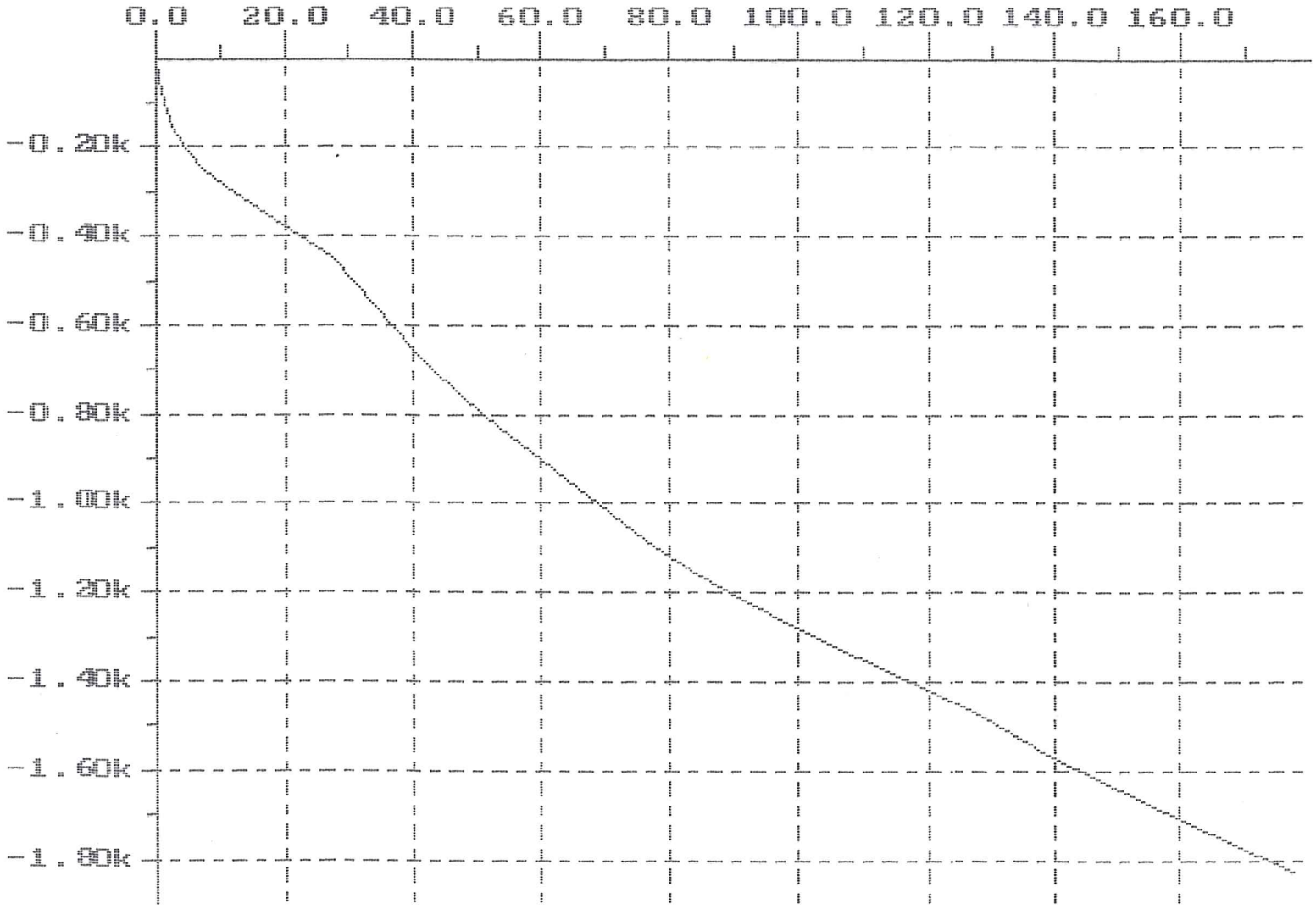
Time: 07:40:08

Section direction: 133.5

Customer: NEWMONT GOLD

Date: 9- 2-98

Starting from 0.0 E/W 0.0 N/S



Horiz Data Max: 177.4

Horiz Data Min: 0.0

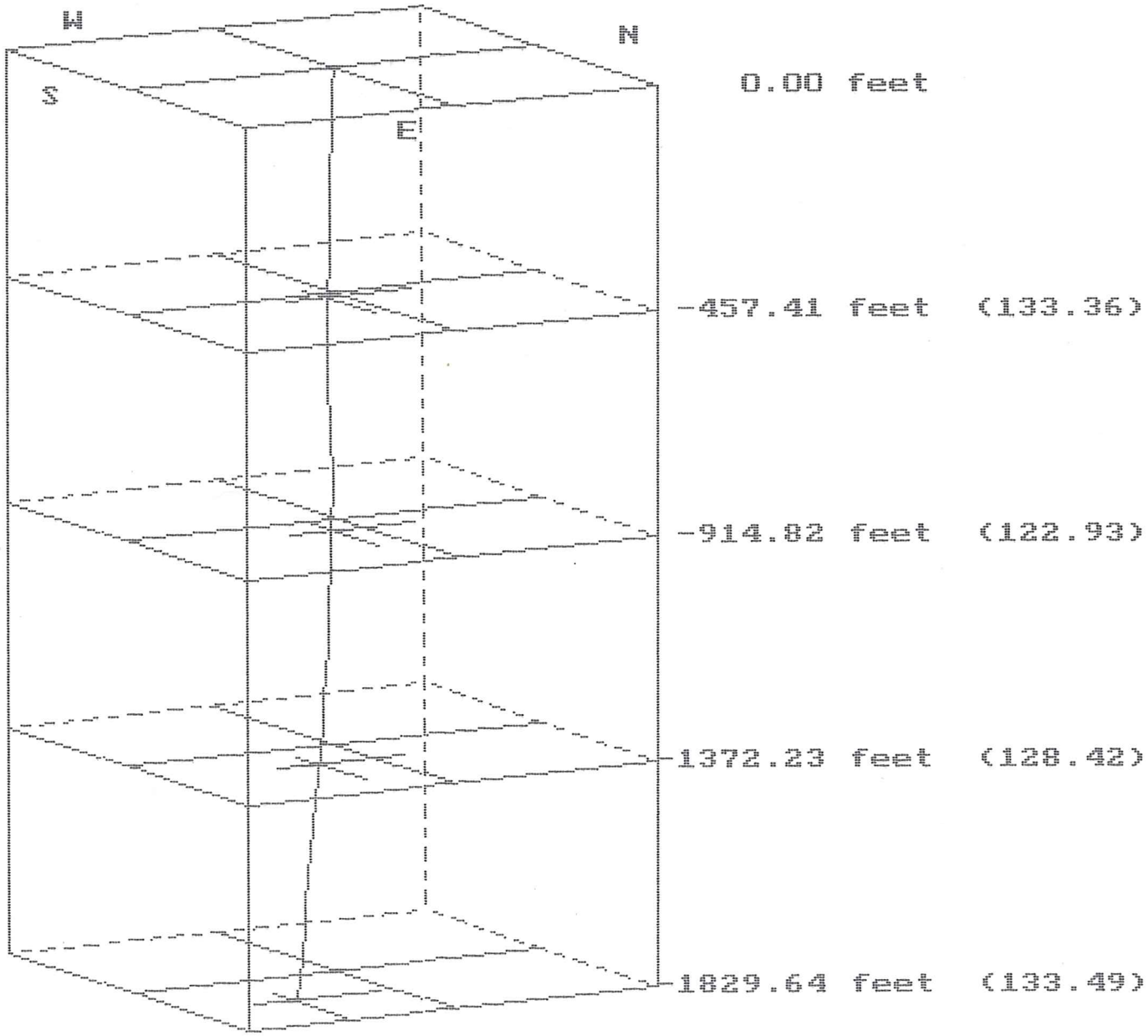
(scale in feet)

Vert Data Max: 0.0

Vert Data Min: -1829.6

3D PROJECTION

Survey File: RS-450B
Customer: NEWMONT GOLD
Date: 9- 2-98
Time: 07:40:08



NEWMONT GOLD COMPANY
ROSEBUD J.V.

To: Whomever Date: November 23, 1998

From: George Langstaff

Subject: **GL's Descriptive Rock Nomenclature for Rosebud Logging**

Rocks are identified as felsic volcanic rock (F), mafic volcanic rock (M), tuff (T), breccia (B), or sedimentary rock (S) as follows:

A. **Volcanic Rocks** (dominantly aphanitic)

1. Root Name – Composition
   - **F** – felsic, few mafic minerals (e.g., trachyte, dacite)
   - **M** – mafic, more mafic minerals (e.g., andesite, trachyte)
2. Prefix - Structure
   - **b** – brecciated (includes flow breccia as well as strongly fractured rock)
   - **s** – pseudobreccia (formed by alteration along fractures)
3. 1st Suffix – Texture
   - **a** – aphyric (no phenocrysts >=1 mm)
   - **p** – porphyritic
     - distinctive varieties:
     - **sp** – sparsely porphyritic (=<1% phenocrysts)
     - **cp** – coarsely porphyritic (some phenocrysts >4 mm)

   a. 2nd Suffix – Minerals (precede with dash; if more than one, list from least to most abundant, left to right, e.g., Fp-q,p,k)

q – quartz	**b** - biotite
f – feldspar	**h** - hornblende
p – plagioclase	**y** - pyroxene
k - K-feldspar	**o** - olivine

4. Parentheses – Descriptive Features

am – amygdaloidal	**sp** - spherulitic
bd – banded	**ve** - vesicular
gl - glassy	
lm – laminated (planar features =<2 mm)	
mmb – contains mafic magma blobs	

Examples: Mcp-y,p – coarsely porphyritic pyroxene < plagioclase-phyric basalt
bFa – brecciated, aphyric rhyolite
Fsp-f(mmb) – sparsely porphyritic, feldspar(can't be identified)-phyric latite with mafic magma blobs

Note: Alteration can eliminate mafic phenocrysts, can make K-feldspar and plagioclase indistinguishable, and can make porphyritic rocks appear to be aphyric.

The abundance of phenocrysts can vary within the same unit and some types of phenocrysts (e.g., quartz) may not be present everywhere.

B. **Pyroclastic Rocks**

1. Root Name
   T - Tuff
2. 1st Suffix – Fragment Type (if more than one, list from least to most abundant left to right and separate by slashes, e.g., Tv/c)
   a – ash (=<2 mm by definition but more useful to identify pyroclasts >=1 mm as lithic, vitric, or crystal)
   b - blocks ± lapilli ± ash (>6.4 cm)
   l - lithic lapilli ± ash
   v - vitric lapilli ± ash (icludes shards and pumice)
   c - crystal lapilli ± ash
   a. 2nd Suffix – Minerals
   see A.3.a. above
3. Parentheses – Descriptive Features
   lp - lithophysal
   sw - strongly welded
   ww - weakly welded
   and see A.4. above

Examples: Ta – ash tuff
Tl/c-q,k – lithic < crystal lapilli-ash tuff with quartz < sanidine phenocrysts

C. **Breccias** – if extrusive, pyroclastic, or sedimentary origin is uncertain; otherwise use protolith root name; can include fault breccias if protolith is uncertain

1. Root Name
   B - Breccia
2. 1st Suffix – Number of Clast Types
   m – monomict
   p - polymict
3. 2nd Suffix – Support
   c – clast-supported
   x – matrix-supported
4. 3rd Suffix – Rounding of Clasts
   r – rounded
   s – subrounded to subangular
   a – angular

Examples: Bmca – monomict, clast-supported breccia with dominantly angular clasts
Bpxa/s – polymict, matrix-supported breccia with subrounded clasts more abundant than angular clasts

D. Sedimentary Rocks

1. Root Name

   S – clastic sedimentary rock

2. 1st Suffix – Dominant Clast Size

   c – conglomerate (>2 mm)

   a. Prefix – Support

      c – clast-supported

      x – matrix-supported

   s – sandstone (.0625 to 2 mm)

   m – mudstone (<.0625 mm, includes silt and clay)

3. 2nd Suffix – Secondary Clast Size (if more than one, list from least to most abundant and separate by slashes, e.g., Sst/p)

   p – pebbly, conglomeratic

   n - sandy

   d - muddy

   t - tuffaceous

4. 3rd Suffix – Structure

   1 - massive (beds >10 m thick)

   2 - thick-bedded (.05-10 m thick)

   3 - medium-bedded (.01-.05 m thick)

   4 - thin-bedded (1-10 cm thick)

   5 - laminated (<1 cm thick)

5. Parentheses – Descriptive Features

   bt - bioturbated

   cs - cross stratification

   fs - fossils

   gn - normally graded bedding

   gr - reversely graded bedding

   sf - syn-sedimentary folds

Examples: xSct1 – tuffaceous, matrix-supported conglomerate without apparent bedding

Ssd4(gn) – thin-bedded, muddy sandstone with normally graded bedding

Sm – massive mudstone

1450.8
1449.3
Start Samples
1453.8
RS-450
BOX01
DEPTH
1449-1457.5

1458.7
1460
1464.7
RS-450
BOX02
DEPTH
1457.5-1466.5

1466.5
1470
1475.8
RS-450
BOX08
DEPTH
1466.5-1475.8

RS-450
BOX04
DEPTH
1475_8-1484_5

RS-450
BOX05
DEPTH
1484_5-1494_0

RS-450
BOX06
DEPTH
1494_0-1502_0

1503
1507.8
RS-450
BOX 07
DEPTH
1502_0-1510_5

1514
1517.9
1517.9
RS-450
BOX 8
DEPTH
1510_5-1520_0

1527.1
1525
1528.0
RS-450
BOX 09
DEPTH
1520_0-1528_0

RS-450
BOX10
DEPTH 1528_0-1536_4
1536
1532.0

RS-450
BOX11
DEPTH 1536_4-1546_0
1538.3

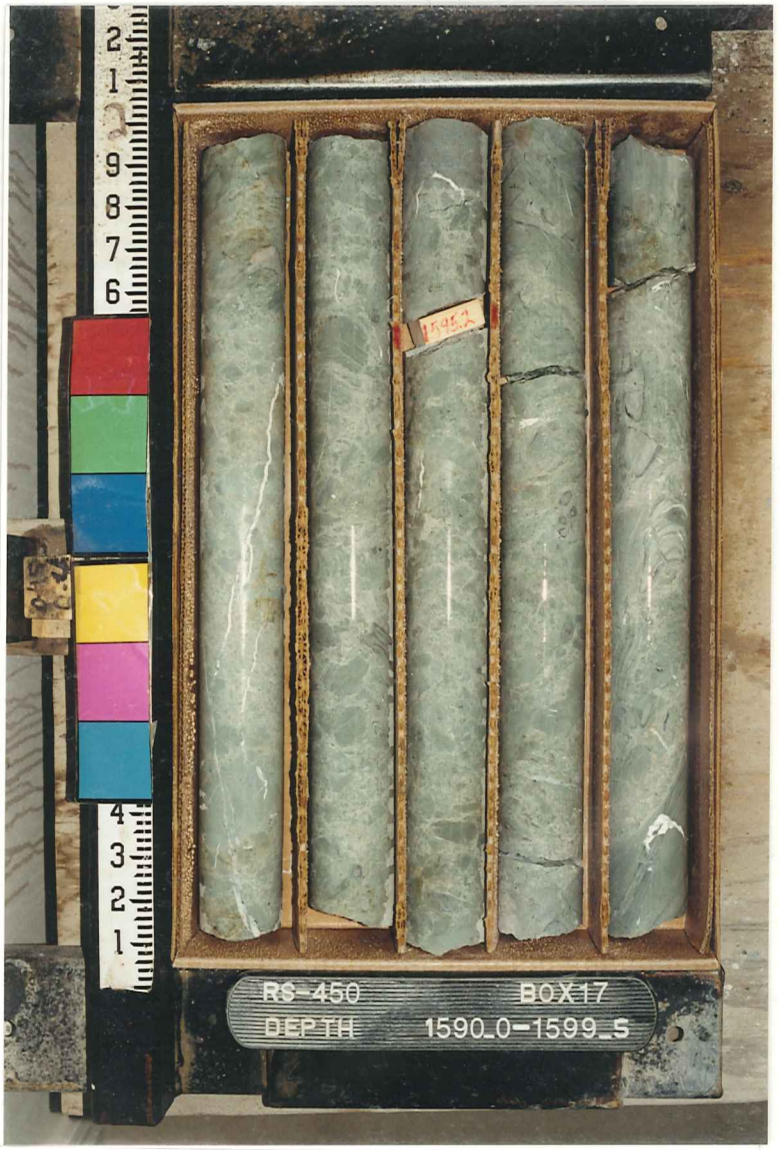
RS-450
BOX12
DEPTH 1546_4-1555_0
1551
1551.8

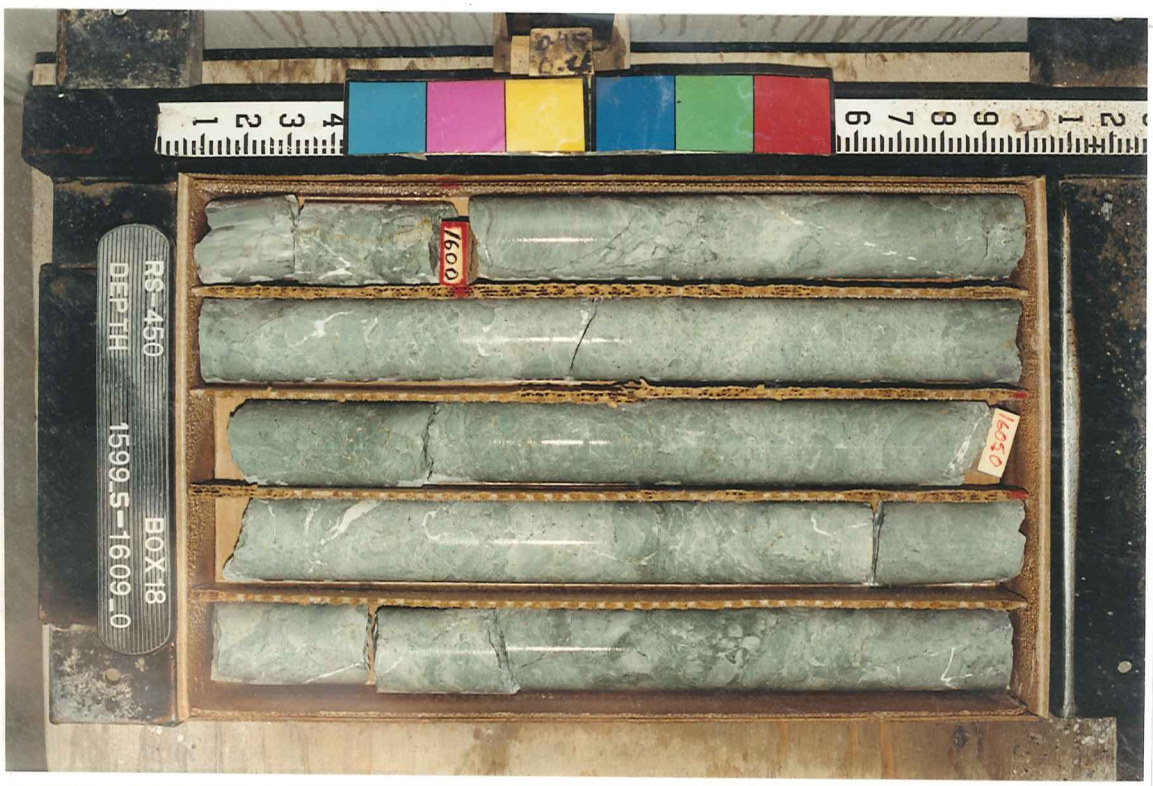
RS-450
BOX13
DEPTH
1555_0-1564_0
1555.6
1558
1560.4
1564.0

RS-450
BOX14
DEPTH
1564_0-1572_0
1569

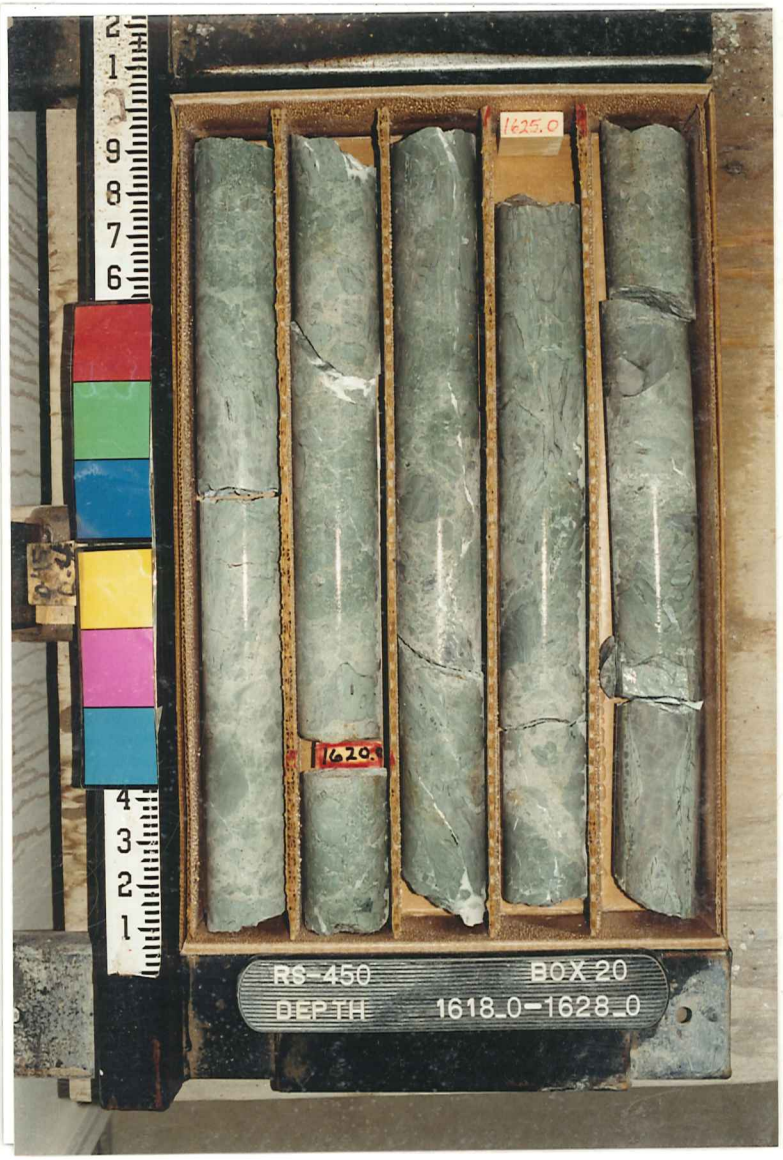
RS-450
BOX15
DEPTH
1572_0-1582_0
1573.6
1576.3
1580

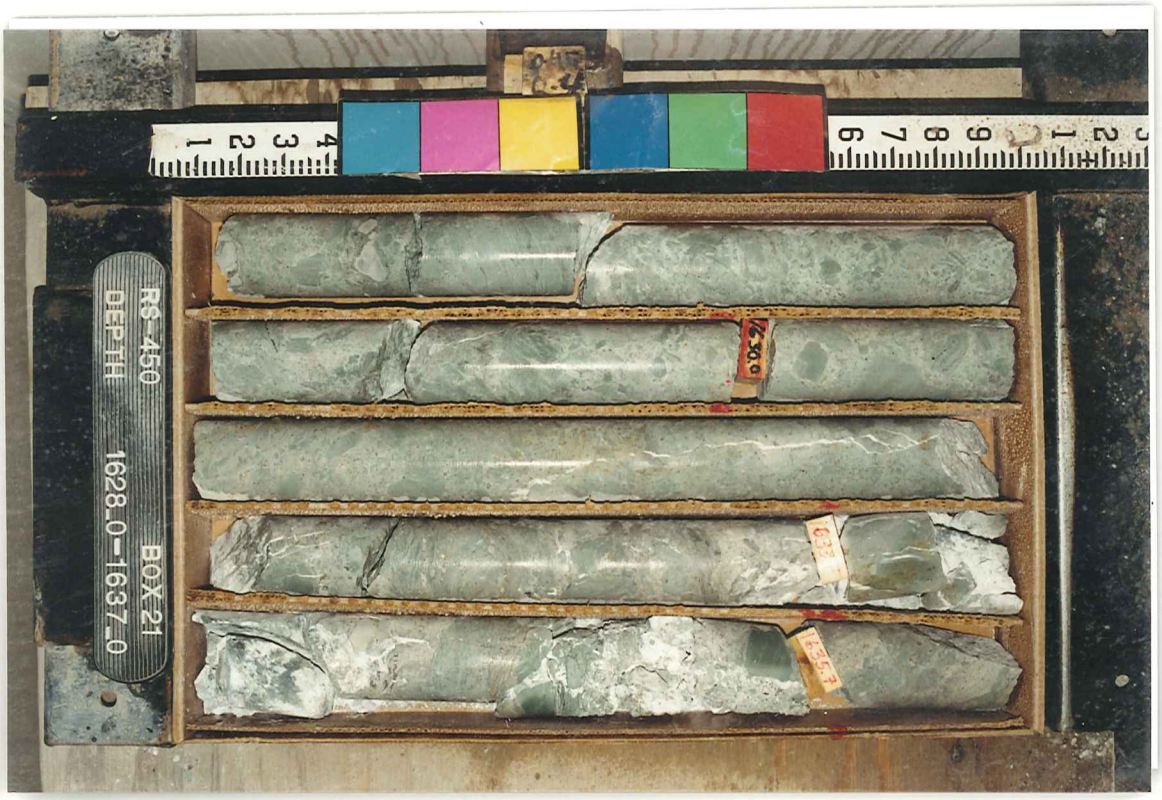
RS-450
BOX16
DEPTH
1582_0-1590_0


RS-450
BOX17
DEPTH
1590_0-1599_S


RS-450
BOX18
DEPTH
1599_S-1609_0

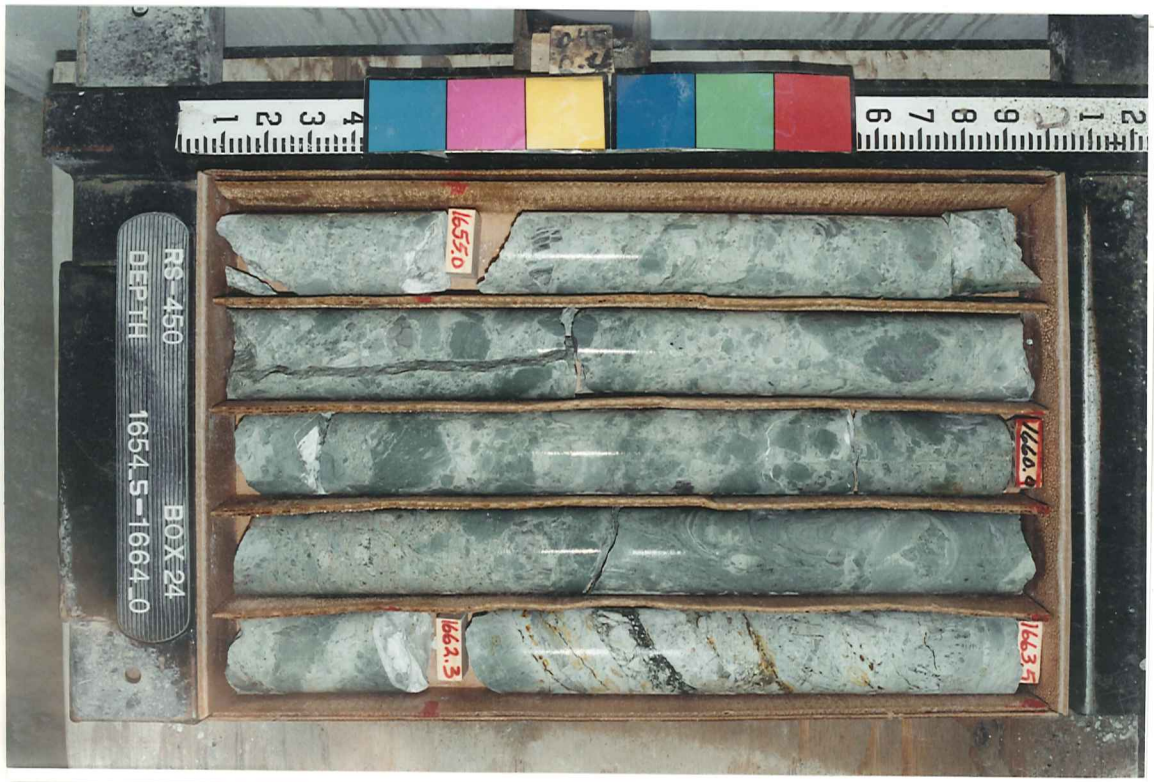
1610.0
1615.3
RS-450
BOX 19
DEPTH
1609_0-1618_0


1625.0
1620.
RS-450
BOX 20
DEPTH
1618_0-1628_0


RS-450
DEPTH
1628_0-1637_0
BOX 21

1645.0
1640.0
RS-450
BOX 22
DEPTH
1637_0-1645_0

1650.0
RS-450
BOX 23
DEPTH
1645_0-1654_5


1655.0
1660.4
1663.5
1662.3
RS-450
BOX 24
DEPTH
1654_5-1664_0

1667.5
1670.0
1671.4
RS-450
BOX 25
DEPTH
1664_0-1673_0

1680
1680.8
1676.9
RS-450
BOX 26
DEPTH
1673_0-1682_0

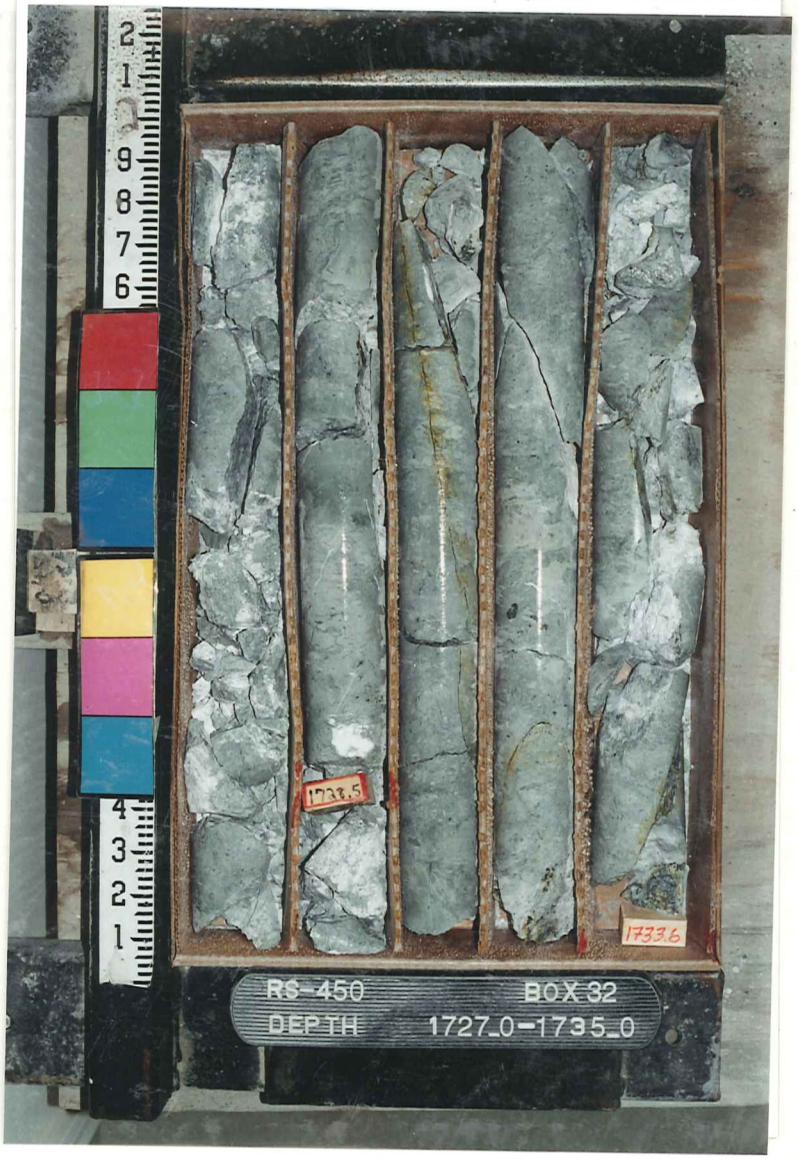
1682.2
1690.5
RS-450
BOX 27
DEPTH
1682_0-1690_5

1695.7
RS-450
BOX 28
DEPTH
1690_5-1698_5

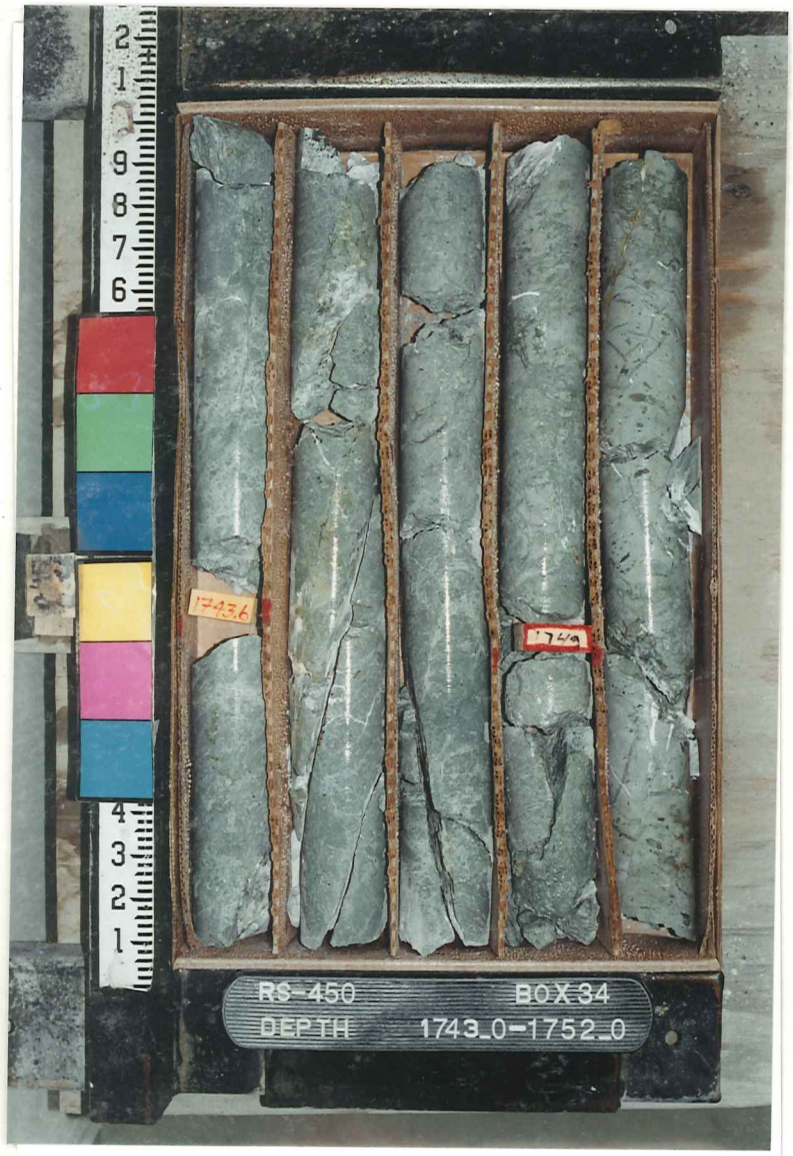
1706.7
RS-450
BOX 29
DEPTH
1698_5-1709_0

1715
1715.9
RS-450
BOX 30
DEPTH
1709_0-1718_0

1719.5
1723
RS-450
BOX 31
DEPTH
1718_0-1727_0


1733.5
1733.6
RS-450
BOX 32
DEPTH
1727_0-1735_0

1738.5
1740
RS-450
BOX 33
DEPTH
1735_0-1743_0

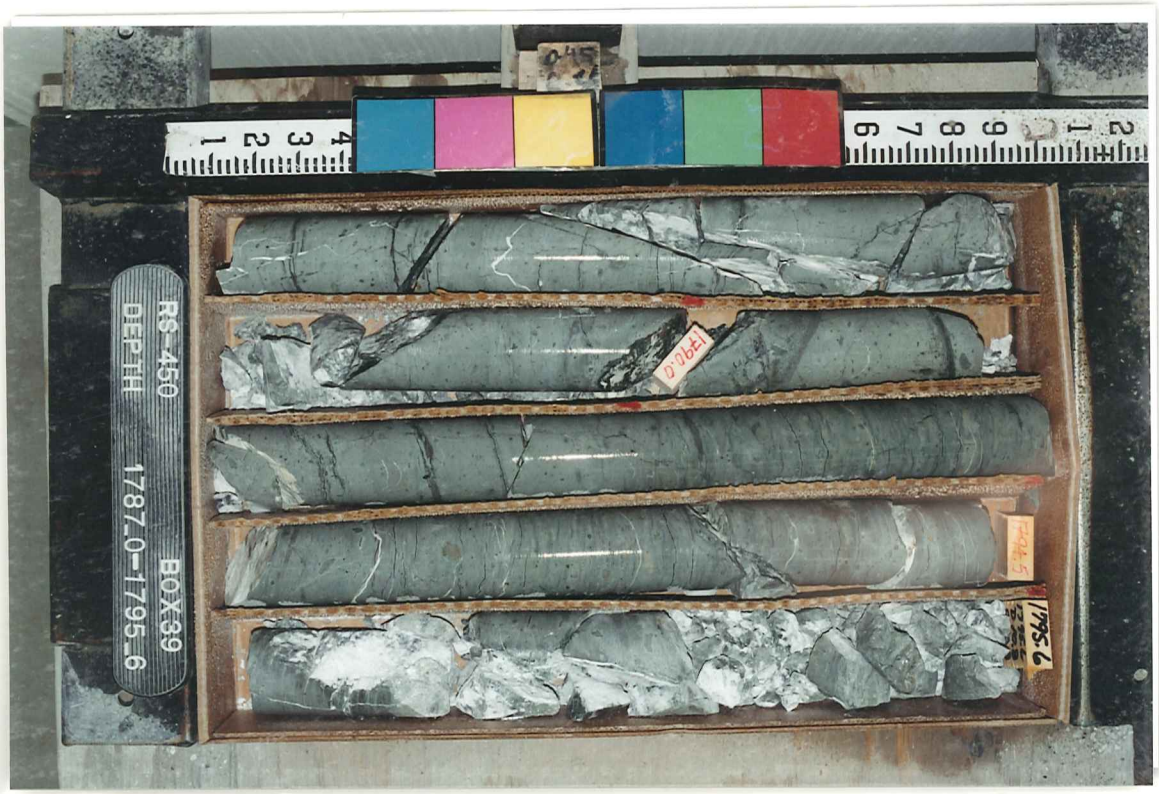

RS-450
BOX 34
DEPTH
1743_0-1752_0
1743.6
1749

RS-450
BOX 35
DEPTH
1752_0-1760_8
1755
1754

RS-450
BOX 36
DEPTH
1760_8-1769_6
1763
1764
1768.1

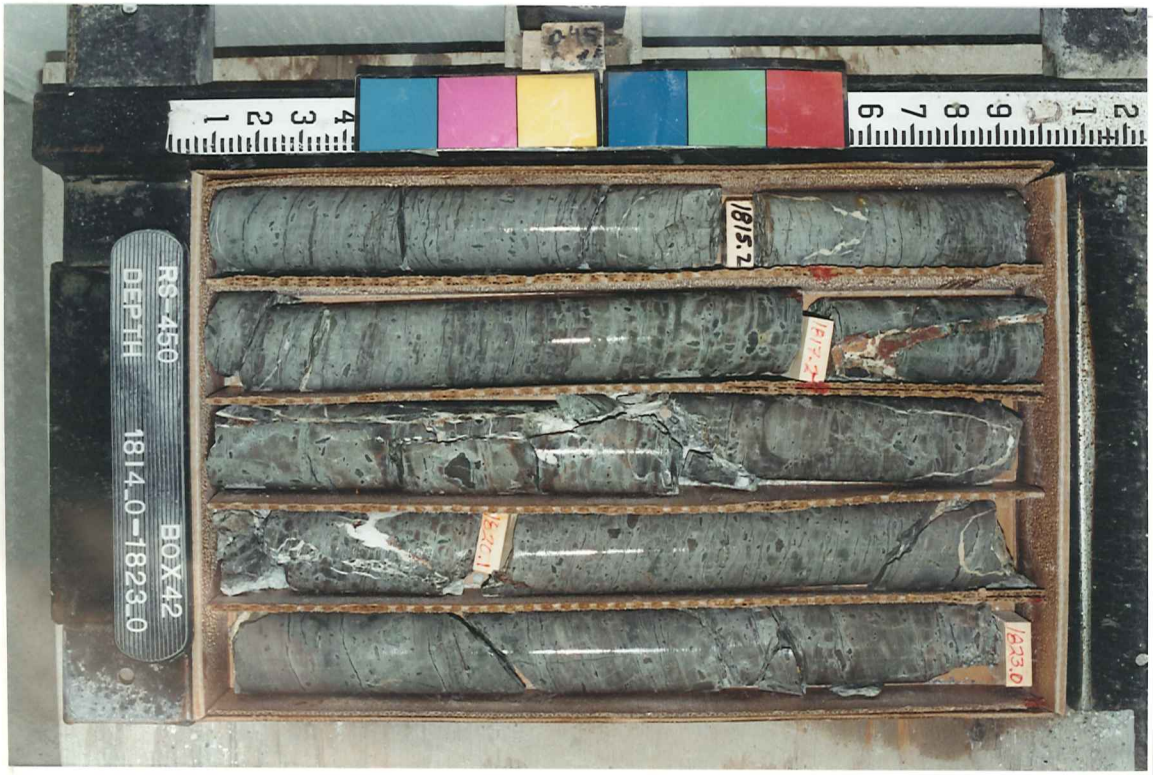
RS-450
BOX 37
DEPTH
1769_6-1778_3

RS-450
BOX 38
DEPTH
1778_3-1787_0


RS-450
BOX 39
DEPTH
1787_0-1795_6

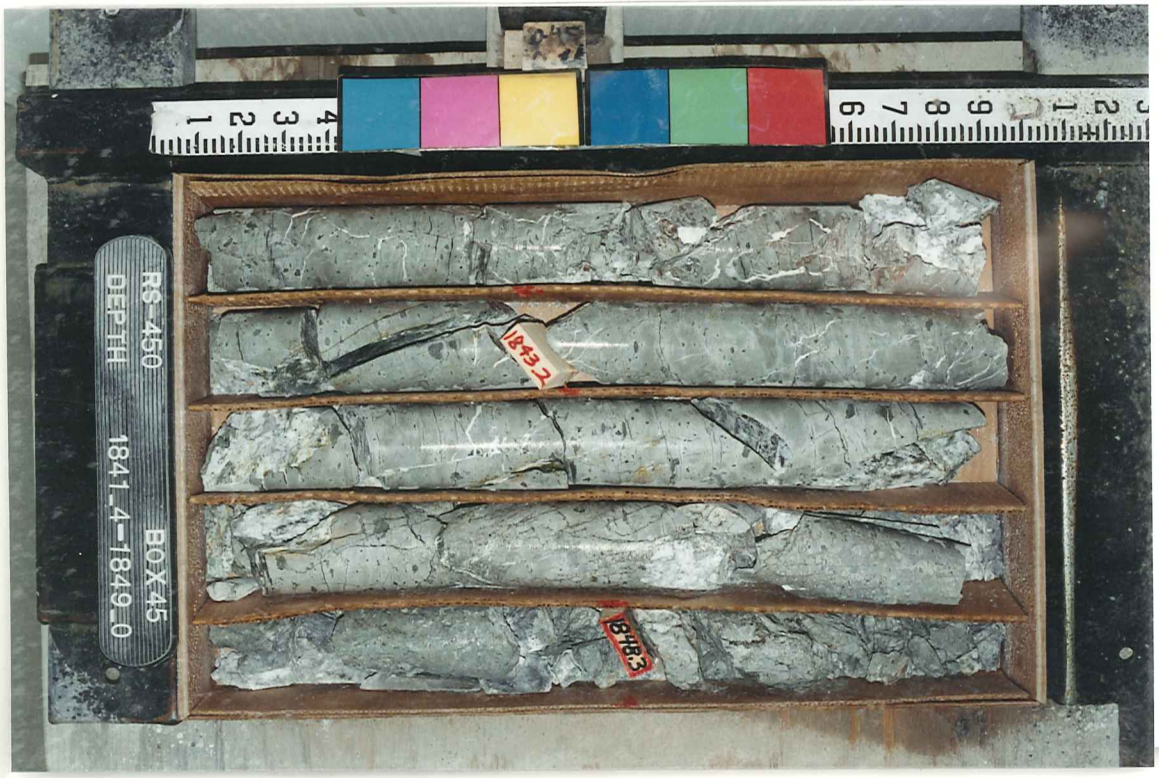
1803.5
1804.5
1798.5
RS-450
BOX 40
DEPTH 1795_6-1805_0

1813.5
1808.4
RS-450
BOX 41
DEPTH 1805_0-1814_0


1815.7
1817.2
1820.1
1823.0
RS-450
BOX 42
DEPTH 1814_0-1823_0

1826.2
1828.2
RS-450
BOX 43
DEPTH
1823_0-1832_0

1833.4
1837.4
1838.0
RS-450
BOX 44
DEPTH
1832_0-1841_4


1843.2
1848.3
RS-450
BOX 45
DEPTH
1841_4-1849_0

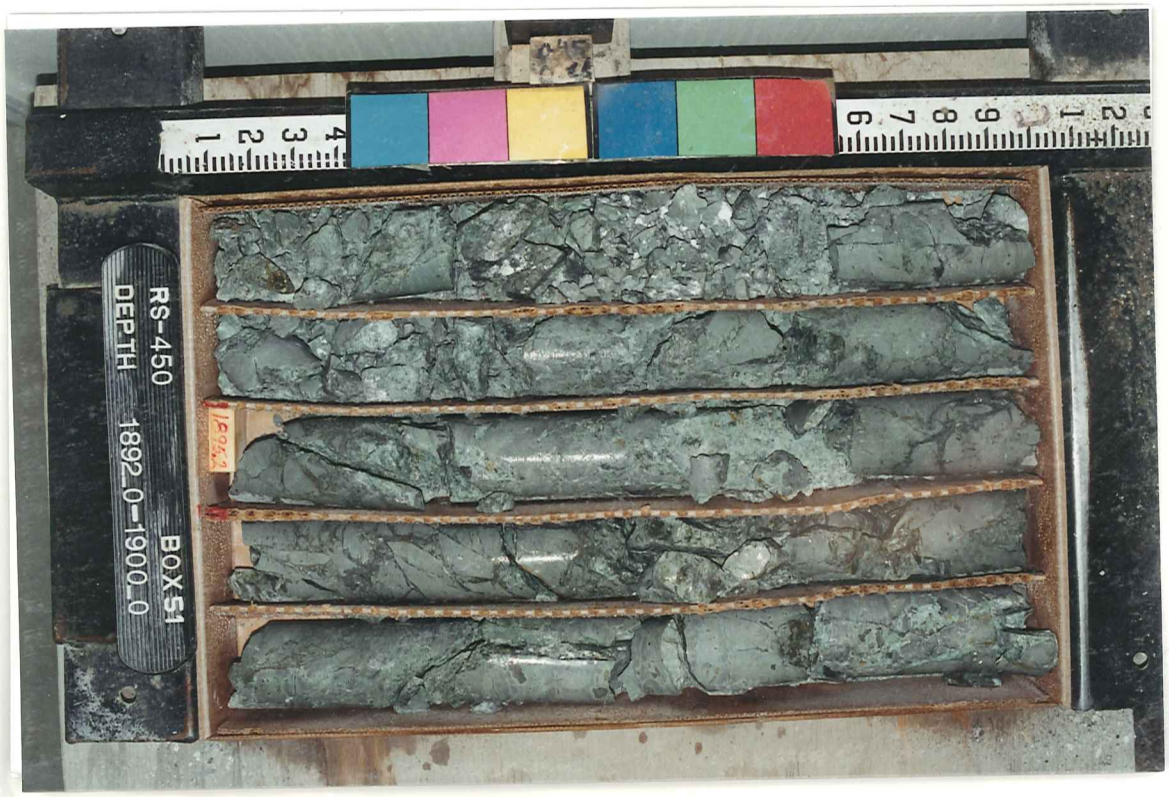
1852.6
1857.5
RS-450
BOX46
DEPTH
1849_0-1857_0

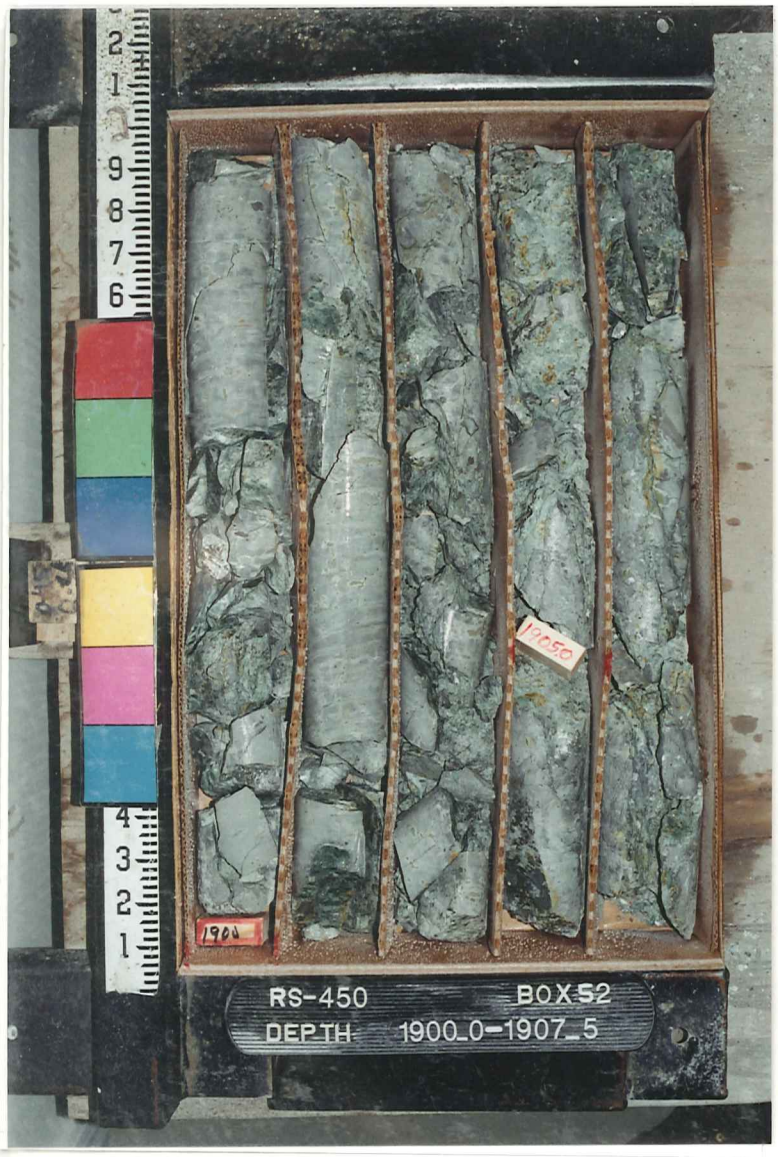
1859.3
1862.6
RS-450
BOX47
DEPTH
1857_0-1866_5

1867.6
1869.4
1872.7
RS-450
BOX48
DEPTH
1866_5-1875_5

1876.2
1880.9
RS-450
BOX 49
DEPTH 1875_5-1884_0

1885.3
1889.
1890.0
RS-450
BOX 50
DEPTH 1884_0-1892_0


RS-450
DEPTH 1892_0-1900_0
BOX 51

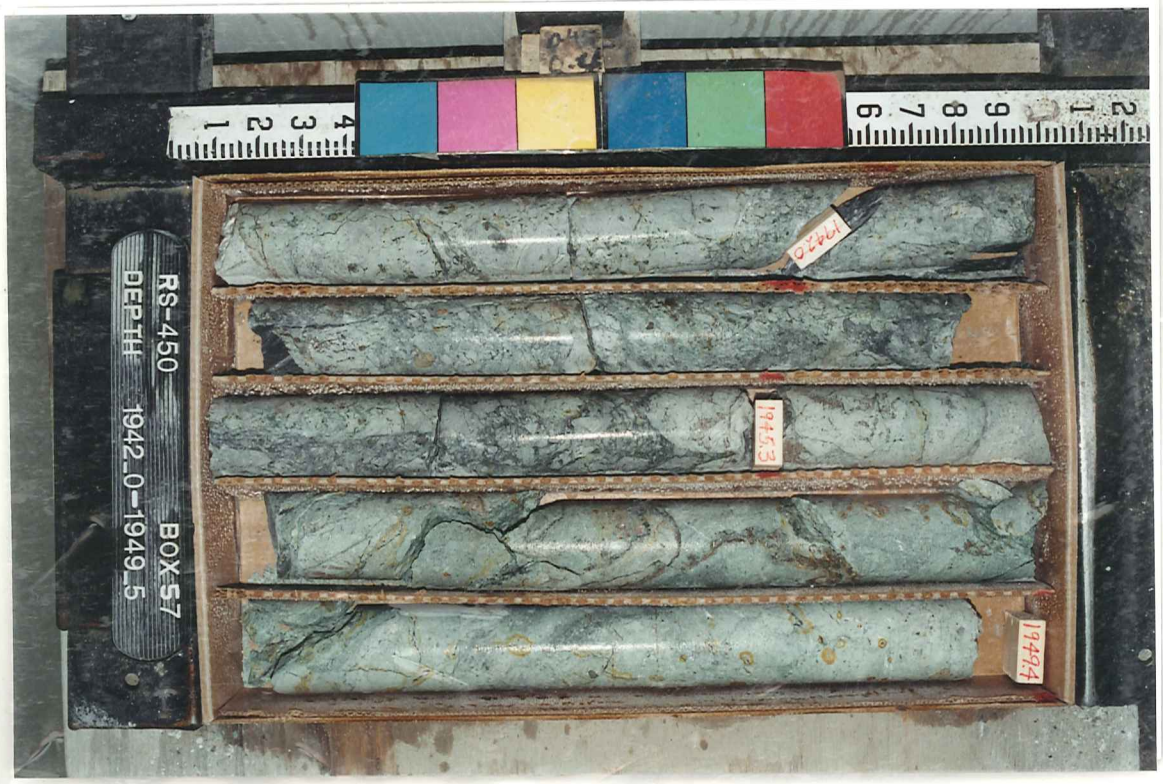

RS-450
BOX 52
DEPTH 1900_0-1907_5
1905.0
1900

RS-450
BOX 53
DEPTH 1907_5-1918_0
1915.1
1910

RS-450
BOX 54
DEPTH 1918_0-1925_0
1920
1923.7

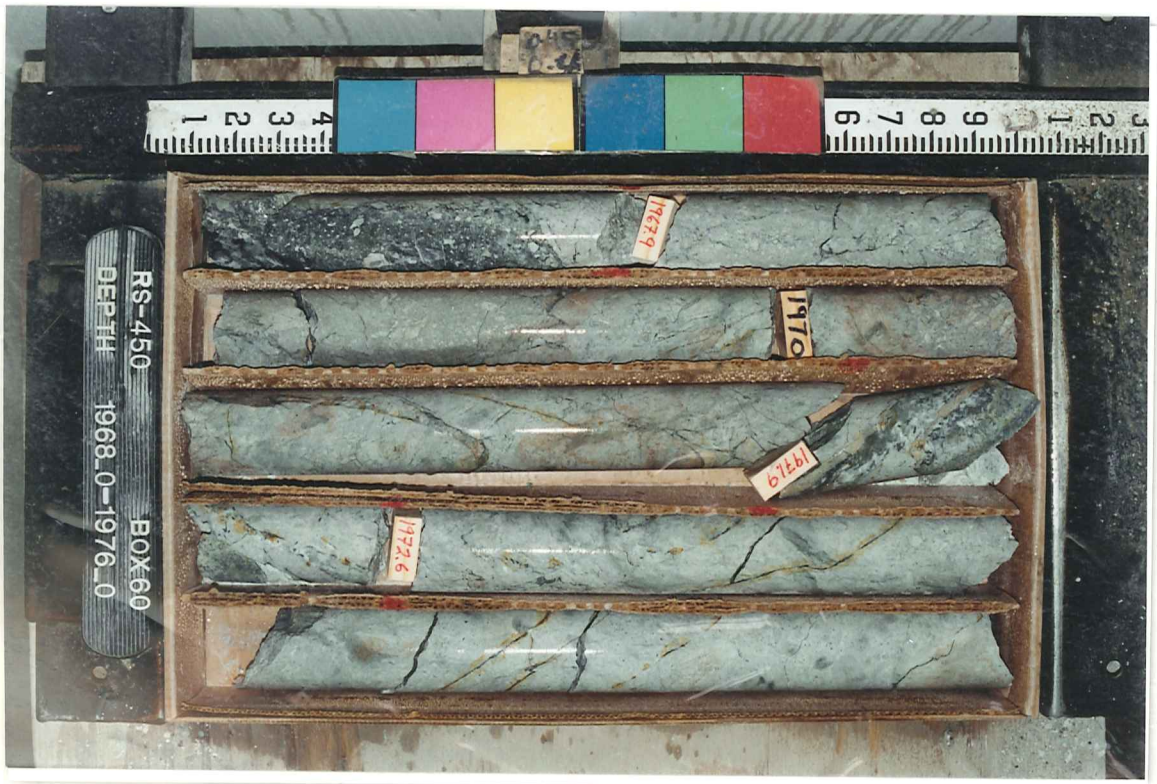
1932.0
1930
1928.8
RS-450
BOX 55
DEPTH 1925_0-1932_4

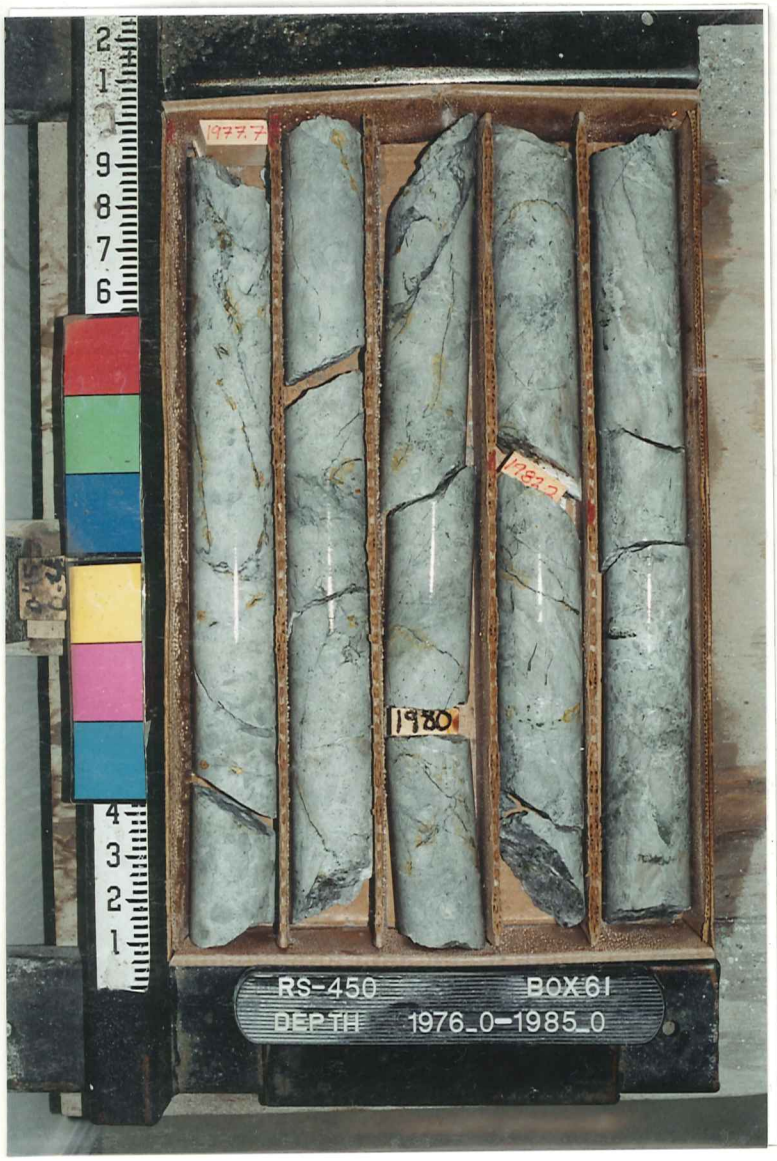
1933.7
1940
1937.2
RS-450
BOX 56
DEPTH 1932_4-1942_0


1942.0
1945.3
1949.4
RS-450
BOX 57
DEPTH 1942_0-1949_5

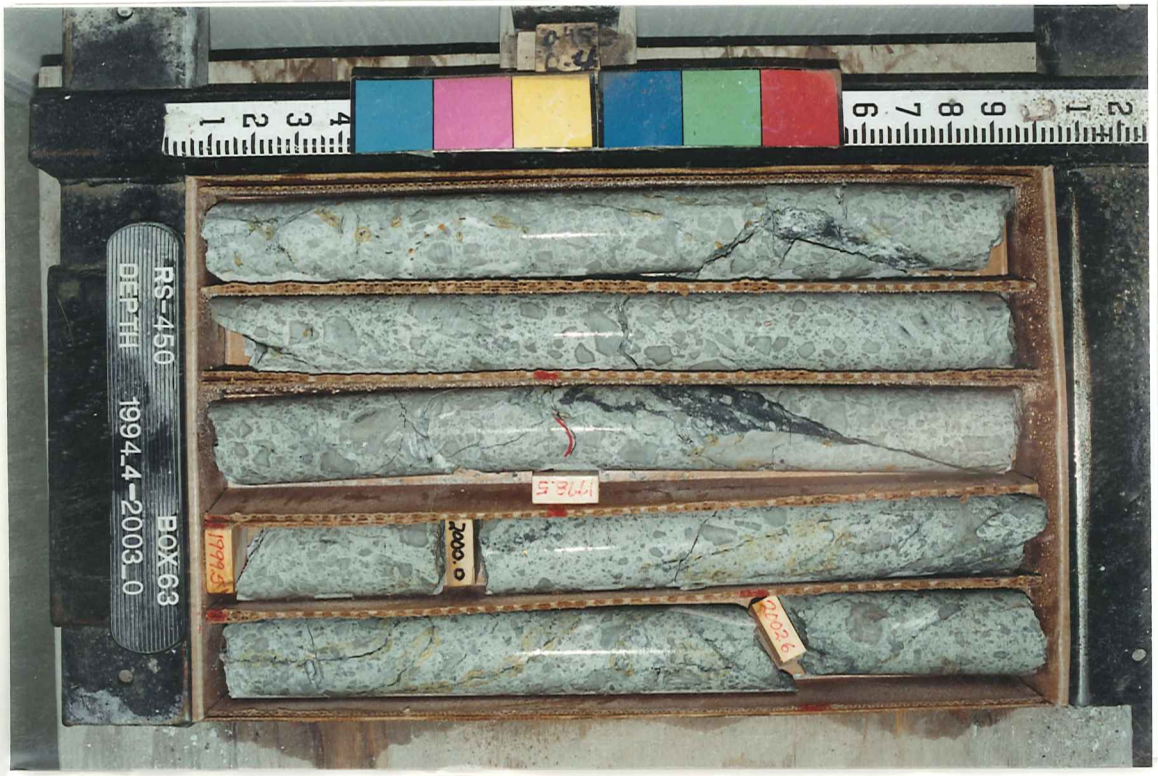
1956.4
1950
1953.7
RS-450
BOX 58
DEPTH 1949_5-1959_0

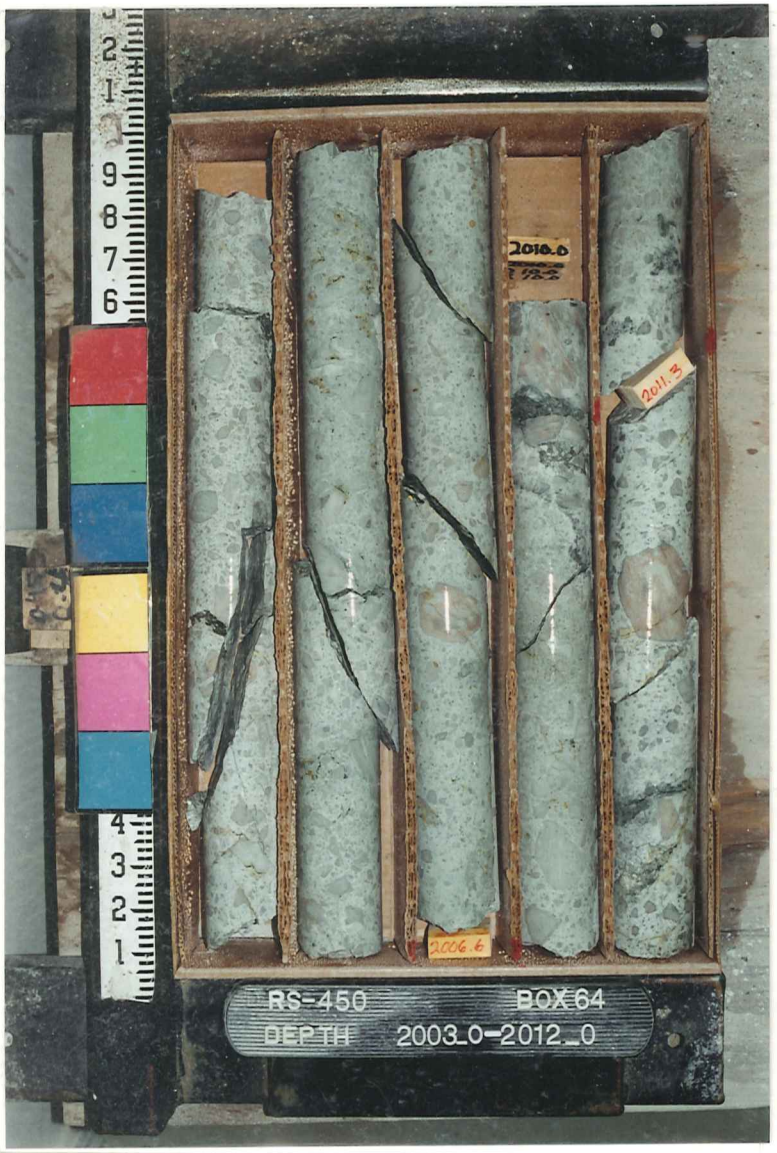
1960
1966.0
1962.0
RS-450
BOX 59
DEPTH 1959_0-1968_0


1972.9
1970
1974.9
1972.6
RS-450
BOX 60
DEPTH 1968_0-1976_0

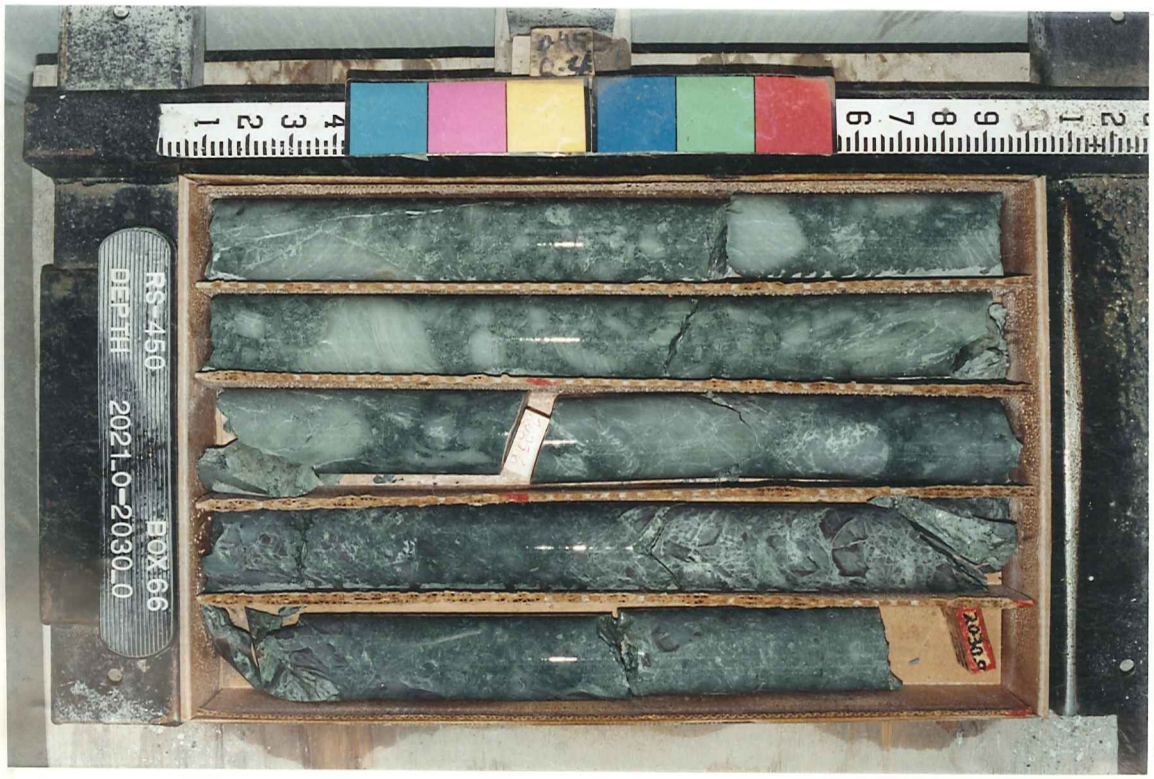

1977.7
1980
1982.5
RS-450
BOX 61
DEPTH 1976_0-1985_0

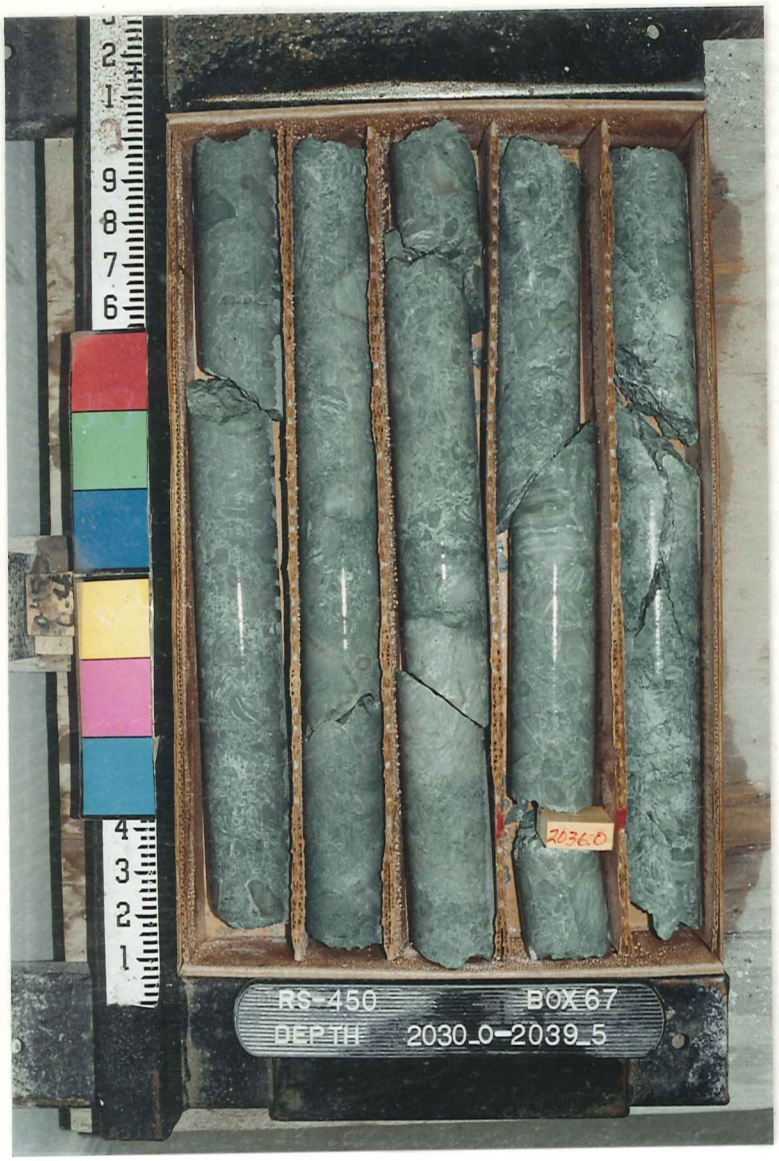
1990.0
1992.9
1986.8
RS-450
BOX 62
DEPTH 1985_0-1994_4


1998.5
2000.0
1999.5
2002.6
RS-450
BOX 63
DEPTH 1994_4-2003_0


RS-450
BOX 64
DEPTH 2003_0-2012_0

RS-450
BOX 65
DEPTH 2012_0-2021_5


RS-450
BOX 66
DEPTH 2021_0-2030_0


RS-450
BOX 67
DEPTH 2030_0-2039_5
2036.0

RS-450
BOX 68
DEPTH 2039_5-2048_0
2040.0
2042.2
2044.2

RS-450
BOX 68
DEPTH 2039_5-2050_0
NO. 79738 HO DIV.
2050.0