6000 0565

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-455
AUTHOR	R. Vance; D.G. Mackerrow; C. Ballew; S.P. Ravenel
DATE OF DOC(S)	1998 – 1999
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.; Short Shot
COMMODITY If not obvious	gold; silver
NOTES	drill logs; assay; geology; photographs; geochemistry; total depth 2066'; invoices handwritten notes 81p.

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-455
SHORT SHOT

6000 0565
4010

6000 0565

NEWMONT EXPLORATION LIMITED — DRILL HOLE SUMMARY

Project: Rosebud Location: Short Shot Drill Hole No.: RS-455

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

Purpose: Scout Hole in Alteration Results:

Date Started: 11/10/98 Core Date Finished: 12/16/98

Grid System: NV State Plan Northing: 2209300 Easting: 475540 Elevation: 6050

Collar Az/Inc.: / -90 Drill Site: AO Total Depth: 2066'

Geologist(s): R. Vance, D. MacKerrow Log Date(s): Laboratory:

HOLE CONSTRUCTION AND HISTORY CASING (INTERVAL):

From	To	Hole Type/Size	Started	Completed	Contractor
0	485	RC Hammer			EKLund (Dennis White)
485	1260	Tri-Cone			"
1260	2066	Core / HQ			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

QUICKLOG

Newmont Gold Rotary Form

Hole# RS-455 | Logged by R. VAnce | Date 2/2/99

Area Short Shot | Coords

Az/Incl -90 | Total Depth 1260 PreCollar | Contractor EKLund Drilling

Footage	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Structure: fault	Structure: breccia	Structure: vein	Structure: gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite		FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
0	?	?									oxidized, argillized f.g. volcanic (flow?).		1						2						
100	Twr	rhy									mottled gray felsic volc: rhyolite? Locally brown.														
	Twr?	rhy									Altered f.g. volcanics	1	1								2				
200	Twr	rhy									brown unaltered rhyolite														
	Twr	rhy									orange rhyolite, weakly altered	1	1												
300	Twr	rhy									brown unaltered rhyolite														
	Twr	rhy									greenish gray altered Rhyolite	1	1								2				
400	RQL	Qtz Lat.									gray + white Rosebud Quartz latite (?) dike (?). Stronger alteration.	2	2								2				
500	Twr	rhy									purple rhyolite, largely unaltered														
	Twr ?	rhy ?									stronger alt. of fine-gr flow - rhy (?)	2	2	1							2				
600							2				FLT														
	Twr	rhy									greenish-gray rhyolite														
700																									
800						2					FLT														
900	Twr	rhy									purplish-gray rhyolite 965-1000': autobreccia														
1000	1	1									1														

QUICKLOG

Newmont Gold Rotary Form

Hole# RS-455
Logged by R. VAnce
Date 2/2/99
Area Short Shot
Coords
Az/Incl -90
Total Depth 1260' PreCollar
Contractor Eklund
Page 2 of 2

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	
1000	Twr	rhy																								
1100	RQL	qtz Lat.									Light Rosebud qtz latite (dike?)															
	Twr	rhy									dark gray rhyolite															
1200																										
	Twr	rhy									brown rhyolite															
1260											T.D. of RC PreCollar															

RSCROTFIELD.DWG Revised 3/17/98

Quick log RS-455 (Short Shot)

	Rock	Si	Arg	sulfide	FeOx	Clay	
0-65			1		2		
65-150	mottled gray Twr felsic (locally brn)						
150-185		1	1	2			
185-275	brn Twr						
275-300	orange Twr	1	1				
300-325	brn Twr						
325-360	greenish gray Twr	1	1	2			
360-455	gray + white RQL?	2	2	2			
455-540	purple Twr						
540-605	f.g. flow	2	2	2		1	FLT @ 590, 600, 605'
605-895	grn/gray Twr						FLT 850
895-1095	purplish gray Twr						
1095-1145	Light RQL?	1	1				
1145-1235	dk gray Twr						
1235-1260	brown Twr						

965-1000 Autobxa?

Hole# RS-455 | Area Short Shot | Az/Incl 0/-90 | Page 1 of 12

Logged by D. MacKerron | Coords N | Total Depth 2066

Date 12-13-98 | E | Contractor Longyear

Newmont Gold Company

Core Form

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	Mag Susc.
1250														Core Tail begins 1259													
1260			Twk	Rhy/ Qtz. Lit	Brown				20 ff 40 40 30 60 wh qz 60 JJ JT. JT. 20 col 40 60 70 PF. 30 JT. 70 PF	0	0	0	0	1259 1269 Hematite stained Planar Laminated Volcanic Concentrated Hematite on Lamination boundary. Calcite on laminations are haloed by hematite stain. ½" calcite vein at 1267. Feldspar Phenos thinly present	0	1	Tr	0	0	0	1	0	0	0	0	1	3X10 3X15
1267	98	53		Congl.	Grn Grnd																						
1270				Rhy/ Qtz Lit										1269 - 1270.8 Epiclastic Sediment light gray green color Subrounded to Subangular Clast.													
1277	100	80		Planar Laminated Volcanic Rare Feldspar phenocrysts (MMB?)																							
1280									40 30 col JT					1270.8 Hematite stained Planar laminated Volcanic continues. Rare Feldspar phenocrysts. Calcite veins, surface appears to be unaltered Version of "wormy SPIAT" in the mine area. Planar laminations are very regular														
1287	102	102							70 PJ																		
1290									70 PJ																		
1297	102	102														Tr	1				0 1						
1300									60 JT					1286.5 ¼" epidotic sandstone dipping 40° rock 1292.5 ¼" " " " 1306 PIMA														
1308	100	80							30 30 col JJ					1317.4 - 1317.8 Grandule size Epiclastic S.S. Calcareous Cross cut Planar lamination			Tr						Tr			
1310														1285 mafic magma blob? Green clay alteration bleaching Fractures at 1302										0			
1318	100	95							70 PJ								1 Tr					1 0					
1320																											

Siemens X 10⁻⁵

#631

RBCORFRM.DWG Revised 10/12/98

Hole# RS-455 | Area Short Shot | Az/Incl 0 / -90

Logged by D.G. MacKerrow | Coords N | Total Depth

Date 12-13-98 | E | Contractor

Newmont Gold Company

Core Form

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	Mag Susc.
1320										0	0	0	0	Planar luminated volcanic stained by hematite. Very weakly porphyritic with occasional feldspar phenocryst.	0	Tr	Tr	0	0	0	1	0	0	0	0	1	38/19
					Brn				40 J.t.																		
					Gray Brown				70 P.F. 30								1										
									40 Cal					(mmB) Calcite veins are common			Tr										
1329	99	87												Hematite halos thin calcite							Tr						
1330						1332								occurances, unaltered "wormy							1						
						1333								split of mica green													
									40					Green clay mineral also with													
									70 J.t.					calcite.													
1339.4	97	77			Brown																Tr						
1340									50 PF 60					1333 — Increase in feldspar phenocrysT							1						
														randomly dispersed throughout													
					Gray Brown									Core													
									5-60 PF					1334.0 Brown inclusion													
					Gray									1341 mafic magma blob (mmB)		1	1										
	97	77														Tr	Tr										
1350														2" shear at 1332.3 - 1332.5													3X15
					Gray Brown				60 P.F.																		
									40 cal					"wormy split" texture is gone by													
									20					1364													
	100	70																									
1360									cal					1379 - 1384.5 Bleaching on fractures													
														Increase around a ½" calcite vein													
					Gray																Tr						
														1371.1 1" mosaic oxa with							1						
	99	91												calcite matrix													
1370					Bundel Gray & Red Brown																						
									70 PF.					1365 In gray reduced rock													
									50 cal					small subhedral black													
	97	86												Phenos or mafic can be seen.													
1380									30																		
						1382.7			50																		
					Gray	1384.5			cal			1				1	1										
									J.t.			0				Tr	Tr										
									60 PF																		
					Gray/red Brown																						3X15
1390	102	75																									

RBCORFRM.DWG Revised 10/12/98

Hole# R.S-455 | Area Short Shot | Az/Incl 0/-90 | Page 3 of 12

Logged by D.G. Mackerron | Coords N | Total Depth

Date 12-13-98 | E | Contractor

Newmont Gold Company

Core Form

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	Mag Susc.
1390				Khy/ QTZ Lat	Brown				30 ST; 60 PE; 10; 54 J.T; J.T; 40 J.T; 60 PE	0	0	0	0	Planar luminated QTZ Latite with rare Feldspar phenocryst	0	Tr	Tr	0	0	0	1	0	0	0	0	1	3X20
1400	98	64		Weakly Phyllic Alt Planar luminated Latite	Gray Brown; Brown																Tr; 1							
1410	96	72							40 J.T; 60 PE					1414.7-1426.2 Crackle and mosaic Breccia zone, white clay partially fill matrix													
1413	100	77				1414.5			60 PE							0					Tr						
						1416					1																
1420	97	86			Brownish Gray	1420			30		Tr			From 1426 Rock is very hard and partially silicified some of the silica is probably Primary.													3X45
						1423.7					1																
1425.7	100	75				1425.7			70 PE; 40 J.T.	1	2				1												3X20
1430	104	70				1430					0																
1431.7	82	58							70 J.T					1443.8-1444.1 crackle Bxa with calcite matrix orientation to core axis is ≈ 80°													
1440	99	72							20 J.T; 50 PE					Foliation is becoming very faint below 1440.							0						3X30
1450	98	57			Dark Gray				70 PE					Feldspar Phenocryst not seen below 1441			1										3X20
									70 PE; 40 J.T; 70 J.T																		3X30
1460	96	52															Tr										

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Logged by D.G. Mackerron | Coords N | Total Depth

Date 12/14/98 | E | Contractor

Newmont Gold Company

Core Form

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	Mag Susc.
1460			Twr	Aphanitic planar laminated Volcanic Rhyolite tuff	Dark Grey					0	0	0	0	Aphanitic planar laminate Volcanic silicious below 1415.	1	0	Tr	0	0	0	0	0	0	0	0	Tr	3 X 30
1470	55	100												Healed rubble bxa from 1740 to 1474.5													
										0	0			Whole Rock sample 1462.4 — 1464.1													
1480	98	76				1480								1481.5 to 1499.4 is a Fracture Zone													
						1485.5																					
1487.8	100	35												Pinq Carbon present on some													
1490	100	16				1491								1498.7 of the fracture surfaces in this zone			1										3X20
1491																											
						1497																					
						1498.7					0																
1500	100	32									2			1501.9 Autobreccia = Healed monolithologic rubbled Bxa of Planar laminated volcanic clast,	0	1	Tr								1	
											Autobreccia			Contact is not sharp but may be 40° TCA Silicification is gone and traces of argillization begin Breccia is generally matrix supported with moderate expansion. There has been rotation of clast but not significant milling.												3X15
1510	100	93																									
1520	98	83									0					0	0										3X8
1530	100	78																									

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Newmont Gold Company

Core Form

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	Mag Susc.
1530										0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	1	3X18
1540	100	79		Planar laminated Volcanic	Dark Gray (Clay/QTZ)				20 Cal		1			Auto Brecciated Planar Laminated volcanic continues. Large boulder or flow from 1523.5 to 1531.1. Lower contact not sharp enough for boulder. Minimal fractures in breccia.			Tr											
1550	100	91												1537.3 - 1537.7 First occurance of a graded conglomerate. 1539.3 - 1539.5 thin gravel bed. Contact with epiclastic is gradational with larger clast to 1555			1											3X20
1560	97	93																									3X10
1570	99	87		Congl	Medium Gray				60 ct, 40 Cal, 40 ct		0			1556.1 - 1963.8 Epiclastic Sediment. Hetrolithic conglomerate of volcanic debris. Grading of bedding in finer sandstones Present, Green clay altered and argillized. Als shales are present in conglomerate. Other clast are silicified, or argillized. Clast of the hematite stained Planar laminated volcanic are in the conglomerate from 1592. Some clast and matrix Reacts to Acid		1						Tr							2X60
1580	100	100							20 Cal, 60 PF, 50 Ss 30																		
1590	101	80		Porphyritic Flow 1590.7-1590.8	Granitic Gray									thin Flow 1590.7-1590.8								1					3X10
				Congl					20 20 Cal, Cal																		
1600	97	94																									

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Newmont Gold Company

Core Form

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	Mag Susc.
1600																											
			Twl	Metrolithic conglomerate	Greenish Gray				50 bd	0	0	0	0	Epiclastic Sediment continues, clast up to boulder size. Generally sand to cobble size. Clast are locally imbricated. Clast vary from silicified to argillized, calcareous to non calcareous. 1-2% could be A.I.S. siltstone/shales.	0	1	1	0	0	0	0	1	0	0	0	3X10
1610	100	98																									
1620	100	98												1648 - 10° TCA of healed hematite veinlet													2X80
1630	100	92																									
1640	100	98							70 st 60 st. 10 st			~~FC~~															2X70
1650	101	97						10																			
1660	99	97							30 Col 50 bd 80 Col													Tr					2X65
1670	101	95			Dolo Breccia																						

RBCORFRM.DWG Revised 10/12/98

Hole# RS-455 | Area Short Shot | Az/Incl 0/-90 | Page 7 of 12

Logged by D.G. Muckerrow | Coords N / E | Total Depth | Contractor

Date 12/15/98

Newmont Gold Company

Core Form

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	Fault	Brecca	Vein	Gouge	Comments	Silic	Argillic	Clay	Prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Mag Susc.
1670			Twr	Hetrolithic conglomerate	Pale Green					0	0	0	0	EPICLASTIC SEDIMENT continue.	0	1	1	0	0	0	0	Tr	0	0	0	1	2X65
1680	100	98							50 bd; 30 cal					bedding appears to be coarsening up the hole													2X60
																2	2										
1690	102	77			Green; Red Brown			Boulder						* Note for Peter M.		1	1										2X30
														1702.6 - Sandstone beds dipping at 50° TCA.		0	0										2X60
1700	100	88			Pale Green				50 bd; 20 cal					* are cross cut by a 1.5" conglomerate bed that is 90° TCA		1	1									0	2X20
					GRN				50 cal							2	2										
1710	100	91			Pale Green				50 bd; 70 SS 20; 20 cal					1714.7 - Slickensides on joint with two orientation. (Fx Face; Slicks; Dip of Fracture; Core axis)		1	1								1		2X35
1720	100	86												Hematite stain fragments are less than 1% from 1683-1716.5		Tr	Tr										25
1730	99	93			Violet Gray; Grn				50 ST; 60 Bd; 50 cal					Calcite micro fractures at 1733-1734 with orientation of 40° TCA		2	1									0	2X60
1740	100	92			Pale Green																1						2X40; 2X20

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Date 12-15-98

Newmont Gold Company

Core Form

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	Mag Susc.
1740			Twr	Heterolithic Conglomerate	Pale Green			Boulder	50 SJO; 30 Col; 70 JT; 40 Col	0	0	0	0	Epiclastic Sediment Moderately to poorly sorted Conglomerate. Boulder from 1746,5 to 1757,3. Boulder was autobrecciated Qtz Lat. filling. Orange noncalcareous mineral on rare micro fractures at 1738 and 1771-1772	0	2	1	0	0	0	0	1	0	0	0	0	2X60 1X40
1750	101	98			Purple Gray											0	0				1	0				1	1X0
																Tr	1				Tr	1 0					3X10
1760	100	83			Pale Green																1						
1770	100	72																									
					Dark Green				60 SJO; 60 Jt					1773-1776.5 Increased mud matrix in conglomerate. Forest green color to matrix		1	2									0	2X50
1780	100	76												Pina 1778,5		Tr	1										
									60 Qtz vn					1783-1/4" qtz vein 60° TCA		1											2X20
					Pale Green									Argillic alteration is restricted to specific clast. Percentage of clast that are silicious has increased.		Tr	Tr										2X60
1790	99	84							50 SJO																		2X70
									40 Col																		
1800	100	80																									2X60
1810	102	78																									

RBCLRFRM.DWG Revised 10/12/98

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Logged by D.G. Muckerron | Coords N | Total Depth

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Newmont Gold Company

Core Form

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			Mag Susc.
1810																													
			Two	Heterolithic Congl.	Pale Green					0	0	0	0	Epiclastic Sediment Continues	0	Tr	Tr	0	0	0	0	1	0	0	0	0			2X60
1820	101	86												1825 - 1862.5 clast size increased and there is more hematite stained clast. 1831 - 1834 soft orange minerals on micro fractures									0							
1830	100	89			Medium Green with hematite stained clast				60 SJ 0; 30 20 cal; SJ 10					Dip slip motion on fractures continues			1												2X10
														1832 - 1836 Green alteration forming rinds on clast															
1840	100	90												Possible older high angle feature at 20° TCA at 1834 and 1862.8.			Tr												1X40
1850	102	81							30 SJ 10					the old shear at 1862.8 also has calcite flooding it. Below this old shear, clast size decreases and then slowly increase until 1912.														3X15; 2X60; 3X10	1X40
1860	100	95							60 Jt.	1/0		1/0													1			2X10; 3X10	
																										2			2X60
1870	100	84							20; 20 20 Jt; Jt					Calcite on parallel fracture at 1872		1										1			2X75
1880	100	67																											

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Logged by D.G. Mackerrow | Coords N | Total Depth

Date 12-15-98 | E | Contractor

Core Form

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	Fault	Breccia	Veln	Gouge	Comments	Silic	Argillic	Clay	Prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Mag Susc.
1880			Twr	Heterolithic conglomerate	medium green					0	0	0	0	Epiclastic Sediment Poor to moderately sorted Conglomerate Previously noted large Scale gradation contives fining upward 1912-1955	0	1	Tr	0	0	0	0	0	0	0	0	0	2X 75
1890	100	70							60 bd 20 60 jt jt																		2X 90
1900	99	72							60 bd							Tr											2X 70
1910	89	52							40 cul																		2X 80
1920	98	75							6 jt 20 jt jt					1932.5 - 30° TCA sheared Joint plain has 10° TCA Joint 90° To slip plane Down													2X 70
1930	104	61							10 jt 30 0 jt jt 0																	1	2X 40
1935	106	56																								Tr	
1940	100	100							60 bd					Calcite on fracture at 1951.5 thats 20° TCA													2X 60
1950	97	89																									2X 25
																											2X 10
																											2X 30
																											2X 60
																											2X 20

RBCORFRM.DWG Revised 10/12/98

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Logged by D. G. MacKerron | Coords N | Total Depth

Date 12-17-98 | E | Contractor

Core Form

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			Mag Susc.
1950	88	0	Twr	Hetrolithic Conglomerate	Pale Green				10, 10, J+Cal, 50, J+Cal, J1	0	0	0	0	Epiclastic Sediment conglomerate continues 1957- Silicified conglomerate clast significantly decrease 1' above contact conglomerate is indurated. Possible ripup clast in conglomerate above contact	0	Tr	Tr	0	0	0	0	0	0	0	0	1			2X30
1951.7																										Tr			2X30
1960	100	6.7														1													2X10
1960.7									20, CT, 20, CT																	1			
			Td		Purple Gray						Tr Autobrx			Dozer Flow 1963.8- Aphanitic volcanic flow. Very rare phenocrysts of feldspar 2066 Foliation below contact consist of autobreccia or highly convoluted laminations. Color is a purple brown gray. Decreased oxidation of hematite turns rock a pale violet gray The rock has a level of argillization. Autobreccia at contact ends at 1970.											Tr			2X20
1970	103	101							50, 60, Cal, 70, J1		0																		2X10
1980	101	94				1980			40, J1		Auto Brx, Tr																		1X20
						1985																							1X10
1990	100	89												1969.2 - 1/4" clay and sandstone bed Dipping 50 TCA 1997 -1997.2 Narrow epiclastic conglomerate bed contact are 40° TCA			Tr					Tr							1X20
					Green Gray				40, bd		Auto Brx, Tr						0												1X0
2000	100	87			Pinkish Gray				40 Sediment					Under the microscope there are thin lath shaped phenocrysts. They are black and streak brown when smeared.							1									1X20
2010	100	80							50, 20 FF, Cal					2017 - 2017.7 non disrupted flow banding dipping 50° TCA Phenocrysts <1% are present 2016 - 2014 Pyrite Found on small fractures								Tr	Tr	0						1X10
2020	101	88																						0		1			1X0

RBCURFRM.DWG Revised 10/12/98

Hole# RS-465 | Area Short Shot | Az/Incl 0/-90 | Page 12 of 12

Logged by D.G. MacKerron | Coords N / E | Total Depth | Contractor

Date 12-17-98

Newmont Gold Company

Core Form

Footage	% Rec	RQD	Litho: Formation	Litho: Rock type	Litho: Color	Au oz/st	Ag oz/st	Graphic	Attitudes	Structure: Fault	Structure: Brecciа	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			Mag Susc.
2020			Td	Aphanitic Rhyolite	Pinkish Dark Gray				50 / 74	0	0	0	0	Dozer Flow Planar Foliation is extremely disrupted Specular hematite is disseminated in the core giving the core a mottled appearance	0		0	0	0	0	0	Tr / 1	0						1X0
2030	95	80							30 / 60 / SJ 0																	1			
2040	99	87												2035 Joint with dipslip motion 0° TCA First possible vesicals at 2032 From 2039-2050 core has a vesicular look.								Tr								
2050	100	83							50 / SJ 0					2049-2047 light gray vesicals 2053: specularite veinlet 30° TCA			Tr					0							
2060	100	90				2060			40 / 40 / SJ 0 / 60 / Jt / SJ 5					Crackle bxx of non hematitic Rock at 2060 for about 1" and 2065,7			1												
2066	96	86				2066																							
														TD 2066															

RBCORFRM.DWG Revised 10/12/98

RS-455 Core	From	To	Length	ICP+Se
1	1332	1333	1	
2	1382.7	1384.4	1.7	
3	1414.5	1416	1.5	
4	1416	1420	4	
5	1420	1423.7	3.7	
6	1423.7	1425.7	2	
7	1425.7	1430	4.3	
8	1480	1485.5	5.5	
9	1485.5	1491	5.5	
10	1491	1497	6	
11	1497	1498.7	1.7	
12	1980	1985	5	
13	2060	2066	6	

Symbol key - RS 456 455

J.t. - Joint 30/J.t

S.J. - Joint with shearing 30/SJ 60

60° is orientation of slickensides to core axis

P.F. Planar foliation 30/P.F.

Cal - Calcite 30/cal calcite vn

cly - clay 30/cly clay vn

Grn - Green

Vn - Vein

Slks - Slickensides

Fx - Fracture

Py - Pyrite

Tr - Trace

P.V.L. - Planar laminated Volcanics

Fx - Fracture

Ct - contact

congl - conglomerate

S.P.L.A.T. - Slightly Planar Laminated Ash fall Tuff. (Mine area designation)

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

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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: 861 W. 6th St

City Winnemucca State NV Zip 89445

Telephone Number: ( ) Fax Number: ( )

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 12/1/98 Number of Samples: 252

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

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-455: 0-1260'	RC	Au by FA30, Ag by D210
		every 5 foot sample
(see attached List)		
		AAL 1/2 + Se on 25 ft
		composites as shown on
		attached List
Standards: 510 B		Au-Ag Only → No ICP
980 B		" "
PEEL HERE RS-455 980 B MS-1 (RMG1)	PEEL HERE	RS-455 MS-2 (RMG1) 510 B

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[X] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
NGC
Winnemucca

Results to:

R. Vance
NGC
Winnemucca

Comments:

Newmont Rosebud Standard Prep.

CLIENT FILE COPY

Hole No	Sample #	Au, ppb	Ag, ppm	
RS-455	5	X	X	
	10	X	X	
	15	X	X	ICP (AAL 1/2) + Se
	20	X	X	
	25	X	X	
	30	X	X	
	35	X	X	
	40	X	X	ICP (AAL 1/2) + Se
	45	X	X	
	50	X	X	
	55	X	X	
	60	X	X	
	65	X	X	ICP (AAL 1/2) + Se
	70	X	X	
	75	X	X	
	80	X	X	
	85	X	X	
	90	X	X	ICP (AAL 1/2) + Se
	95	X	X	
	100	X	X	
	105	X	X	
	110	X	X	
	115	X	X	ICP (AAL 1/2) + Se
	120	X	X	
	125	X	X	
	130	X	X	
	135	X	X	
	140	X	X	ICP (AAL 1/2) + Se
	145	X	X	
	150	X	X	
	155	X	X	
	160	X	X	
	165	X	X	ICP (AAL 1/2) + Se
	170	X	X	
	175	X	X	
	180	X	X	
	185	X	X	
	190	X	X	ICP (AAL 1/2) + Se
	195	X	X	
	200	X	X	
	205	X	X	
	210	X	X	
	215	X	X	ICP (AAL 1/2) + Se
	220	X	X	
	225	X	X	
	230	X	X	
	235	X	X	
	240	X	X	ICP (AAL 1/2) + Se
	245	X	X	
	250	X	X	
	255	X	X	

260	X	X	
265	X	X	ICP (AAL 1/2) + Se
270	X	X	
275	X	X	_____
280	X	X	
285	X	X	
290	X	X	ICP (AAL 1/2) + Se
295	X	X	
300	X	X	_____
305	X	X	
310	X	X	
315	X	X	ICP (AAL 1/2) + Se
320	X	X	
325	X	X	_____
330	X	X	
335	X	X	
340	X	X	ICP (AAL 1/2) + Se
345	X	X	
350	X	X	_____
355	X	X	
360	X	X	
365	X	X	ICP (AAL 1/2) + Se
370	X	X	
375	X	X	_____
380	X	X	
385	X	X	
390	X	X	ICP (AAL 1/2) + Se
395	X	X	
400	X	X	_____
405	X	X	
410	X	X	
415	X	X	ICP (AAL 1/2) + Se
420	X	X	
425	X	X	_____
430	X	X	
435	X	X	
440	X	X	ICP (AAL 1/2) + Se
445	X	X	
450	X	X	_____
455	X	X	
460	X	X	
465	X	X	ICP (AAL 1/2) + Se
470	X	X	
475	X	X	_____
480	X	X	
485	X	X	
490	X	X	ICP (AAL 1/2) + Se
495	X	X	
500	X	X	_____
505	X	X	
510	X	X	
515	X	X	ICP (AAL 1/2) + Se

520	X	X	
525	X	X	
530	X	X	
535	X	X	
540	X	X	ICP (AAL 1/2) + Se
545	X	X	
550	X	X	
555	X	X	
560	X	X	
565	X	X	ICP (AAL 1/2) + Se
570	X	X	
575	X	X	
580	X	X	
585	X	X	
590	X	X	ICP (AAL 1/2) + Se
595	X	X	
600	X	X	
605	X	X	
610	X	X	
615	X	X	ICP (AAL 1/2) + Se
620	X	X	
625	X	X	
630	X	X	
635	X	X	
640	X	X	ICP (AAL 1/2) + Se
645	X	X	
650	X	X	
655	X	X	
660	X	X	
665	X	X	ICP (AAL 1/2) + Se
670	X	X	
675	X	X	
680	X	X	
685	X	X	
690	X	X	ICP (AAL 1/2) + Se
695	X	X	
700	X	X	
705	X	X	
710	X	X	
715	X	X	ICP (AAL 1/2) + Se
720	X	X	
725	X	X	
730	X	X	
735	X	X	
740	X	X	ICP (AAL 1/2) + Se
745	X	X	
750	X	X	
755	X	X	
760	X	X	
765	X	X	ICP (AAL 1/2) + Se
770	X	X	
775	X	X	

780	X	X	
785	X	X	
790	X	X	ICP (AAL 1/2) + Se
795	X	X	
800	X	X	_____
805	X	X	
810	X	X	
815	X	X	ICP (AAL 1/2) + Se
820	X	X	
825	X	X	_____
830	X	X	
835	X	X	
840	X	X	ICP (AAL 1/2) + Se
845	X	X	
850	X	X	_____
855	X	X	
860	X	X	
865	X	X	ICP (AAL 1/2) + Se
870	X	X	
875	X	X	_____
880	X	X	
885	X	X	
890	X	X	ICP (AAL 1/2) + Se
895	X	X	
900	X	X	_____
905	X	X	
910	X	X	
915	X	X	ICP (AAL 1/2) + Se
920	X	X	
925	X	X	_____
930	X	X	
935	X	X	
940	X	X	ICP (AAL 1/2) + Se
945	X	X	
950	X	X	_____
955	X	X	
960	X	X	
965	X	X	ICP (AAL 1/2) + Se
970	X	X	
975	X	X	_____
980	X	X	
985	X	X	
990	X	X	ICP (AAL 1/2) + Se
995	X	X	
1000	X	X	_____
1005	X	X	
1010	X	X	
1015	X	X	ICP (AAL 1/2) + Se
1020	X	X	
1025	X	X	_____
1030	X	X	
1035	X	X	

1040	X	X	ICP (AAL 1/2) + Se
1045	X	X	
1050	X	X	_____
1055	X	X	
1060	X	X	
1065	X	X	ICP (AAL 1/2) + Se
1070	X	X	
1075	X	X	_____
1080	X	X	
1085	X	X	
1090	X	X	ICP (AAL 1/2) + Se
1095	X	X	
1100	X	X	_____
1105	X	X	
1110	X	X	
1115	X	X	ICP (AAL 1/2) + Se
1120	X	X	
1125	X	X	_____
1130	X	X	
1135	X	X	
1140	X	X	ICP (AAL 1/2) + Se
1145	X	X	
1150	X	X	_____
1155	X	X	
1160	X	X	
1165	X	X	ICP (AAL 1/2) + Se
1170	X	X	
1175	X	X	_____
1180	X	X	
1185	X	X	
1190	X	X	ICP (AAL 1/2) + Se
1195	X	X	
1200	X	X	_____
1205	X	X	
1210	X	X	
1215	X	X	ICP (AAL 1/2) + Se
1220	X	X	
1225	X	X	_____
1230	X	X	
1235	X	X	
1240	X	X	ICP (AAL 1/2) + Se
1245	X	X	
1250	X	X	_____
1255	X	X	
1260	X	X	ICP (AAL 1/2) + Se: 10 ft composite

SP

SUBMITTAL FORM

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Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Co

Address:

City Winnemucca State NV Zip 89445

Telephone Number: ( ) Fax Number: ( )

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 1/13/99 Number of Samples: 13

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

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-455: 1332-2066'	Core	FA30Au, Ag D210
		plus AAL 1/2 ICP + Se
		(as shown on attachment)

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[X] 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 Standard Prep

CLIENT FILE COPY

RS455

RS-455 Core	From	To	Length	ICP+Se each
1	1332	1333	1	X
2	1382.7	1384.4	1.7	X
3	1414.5	1416	1.5	X
4	1416	1420	4	X
5	1420	1423.7	3.7	X
6	1423.7	1425.7	2	X
7	1425.7	1430	4.3	X
8	1480	1485.5	5.5	X
9	1485.5	1491	5.5	X
10	1491	1497	6	X
11	1497	1498.7	1.7	X
12	1980	1985	5	X
13	2060	2066	6	X

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP052259

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-455 RECEIVED : 14 JAN 1999

No. SAMPLES : 13 REPORTED : 27 JAN 1999

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.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP052259

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-455

REPORTED : 27 JAN 1999

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 1332-1333	<5		<0.001		<0.5	<0.02
RS-455 1382.7-1384.4	<5		<0.001		<0.5	<0.02
RS-455 1414.5-1416.0	<5		<0.001		<0.5	<0.02
RS-455 1416-1420	<5		<0.001		<0.5	<0.02
RS-455 1420.0-1423.7	<5		<0.001		<0.5	<0.02
RS-455 1423.7-1425.7	<5		<0.001		<0.5	<0.02
RS-455 1425.7-1430.0	41		0.001		<0.5	<0.02
RS-455 1480.0-1485.5	35		0.001		2.1	0.06
RS-455 1485.5-1491.0	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 1491-1497	<5		<0.001		<0.5	<0.02
RS-455 1497.0-1498.7	<5		<0.001		<0.5	<0.02
RS-455 1980-1985	<5		<0.001		<0.5	<0.02
RS-455 2060-2066	<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	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:	SP052259
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-455 1332-1333	< .3	1.22	8	5	19	< 3	2.63	< .2	4	1	3	2.93	60	0.21	32	0.16	1857	3	0.03	1	0.056	22	< 3	0.4	45	8	< .01	< 8	2	< 2	75
RS-455 1382.7-1384.4	0.3	1.28	2	6	37	4	4.82	0.2	3	< 1	5	2.07	20	0.34	31	0.14	4741	3	0.03	1	0.081	14	< 3	0.2	56	9	< .01	< 8	2	< 2	53
RS-455 1414.5-1416.0	< .3	0.64	2	6	32	3	1.08	< .2	3	17	9	2.8	40	0.2	22	0.07	405	13	0.05	4	0.048	7	< 3	< .1	31	7	0.01	< 8	4	< 2	64
RS-455 1416-1420	< .3	0.86	3	8	33	< 3	1.76	< .2	4	9	18	2.69	35	0.27	22	0.07	506	9	0.05	2	0.071	13	< 3	0.1	82	7	< .01	< 8	3	< 2	67
RS-455 1420.0-1423.7	< .3	0.64	5	6	37	3	0.84	< .2	4	19	13	3.02	35	0.2	20	0.07	515	16	0.05	5	0.044	7	< 3	< .1	40	7	0.01	< 8	4	< 2	63
RS-455 1423.7-1425.7	0.3	0.75	< 2	6	18	< 3	2.51	< .2	3	4	20	2.42	25	0.23	17	0.06	495	10	0.03	2	0.035	10	< 3	< .1	146	6	< .01	< 8	3	< 2	59
RS-455 1425.7-1430.0	0.3	0.55	3	8	44	4	0.53	< .2	3	25	14	3.49	20	0.18	20	0.07	455	21	0.06	7	0.045	5	< 3	< .1	24	8	0.01	< 8	5	< 2	67
RS-455 1480.0-1485.5	< .3	0.8	2	6	54	3	0.31	< .2	4	12	33	3.55	10	0.22	23	0.14	697	18	0.08	4	0.046	11	< 3	< .1	24	10	0.02	< 8	4	< 2	92
RS-455 1485.5-1491.0	< .3	0.67	3	6	45	3	0.32	< .2	4	24	15	3.54	30	0.19	22	0.11	640	22	0.07	7	0.047	8	< 3	< .1	23	9	0.02	< 8	4	< 2	90
RS-455 1491-1497	< .3	0.79	2	5	66	3	0.4	0.2	4	12	39	3.59	20	0.25	20	0.14	662	21	0.1	5	0.041	11	< 3	< .1	26	8	0.02	< 8	4	< 2	109
RS-455 1497.0-1498.7	0.3	0.88	3	5	40	3	1.7	0.3	3	10	8	2.51	10	0.34	25	0.09	613	9	0.06	3	0.047	16	< 3	< .1	59	8	0.02	< 8	3	< 2	83
RS-455 1980-1985	< .3	0.6	4	< 3	30	< 3	0.46	0.3	2	< 1	4	1.72	< 10	0.27	36	0.05	814	4	0.05	1	0.014	23	< 3	< .1	11	7	0.02	< 8	< 1	< 2	66
RS-455 2060-2066	< .3	0.44	3	< 3	76	< 3	1.85	< .2	2	6	11	2.04	30	0.25	31	0.06	683	5	0.05	1	0.031	20	< 3	< .1	43	7	0.03	< 8	1	< 2	64
STANDARD C3	5.3	1.77	58	22	146	17	0.55	21.6	12	158	59	3.19	920	0.16	17	0.56	748	25	0.04	34	0.081	30	14	0.7	27	19	0.06	16	76	14	158
STANDARD G-2	< .3	0.92	< 2	4	221	< 3	0.62	< .2	5	75	2	1.98	15	0.46	8	0.56	532	1	0.07	8	0.089	< 3	< 3	0.1	67	4	0.1	< 8	38	2	39

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 0062259-IN
INVOICE DATE: 01/27/99

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-455	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
13	SAMPLES RECEIVED	.00	.00
13	JAW CRUSHING CHARGE	1.30	16.90
13	SPLITTING CHARGE	1.20	15.60
13	FINE MILLING CHARGE	2.00	26.00
13	Au (1 A.T. FIRE ASSAY)	8.00	104.00
13	HYDROCHLORIC/NITRIC DIGESTION	2.00	26.00
13	Ag ANALYSES	1.00	13.00
13	MULTI-ELEMENT ICP PACKAGE	8.75	113.75
13	Se ANALYSES	7.15	92.95

COPY

NET INVOICE	408.20
ESTIMATED DISCOUNT:	142.87
FREIGHT:	.00
INVOICE TOTAL:	265.33

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051812

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-455 RECEIVED : 2 DEC 1998

No. SAMPLES : 254 REPORTED : 2 DEC 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.

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ANALYSIS REPORT SP051812

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-455

REPORTED : 2 DEC 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-455 000-005	5	15	<0.001	<0.001	<0.5	<0.02
RS-455 005-010	45		0.001		<0.5	<0.02
RS-455 010-015	8	<5	<0.001	<0.001	<0.5	<0.02
RS-455 015-020	<5		<0.001		<0.5	<0.02
RS-455 020-025	<5		<0.001		<0.5	<0.02
RS-455 025-030	<5		<0.001		<0.5	<0.02
RS-455 030-035	<5		<0.001		<0.5	<0.02
RS-455 035-040	<5		<0.001		<0.5	<0.02
RS-455 040-045	<5		<0.001		<0.5	<0.02
RS-455 045-050	<5		<0.001		<0.5	<0.02
RS-455 050-055	<5		<0.001		<0.5	<0.02
RS-455 055-060	<5		<0.001		<0.5	<0.02
RS-455 060-065	<5		<0.001		<0.5	<0.02
RS-455 065-070	<5		<0.001		<0.5	<0.02
RS-455 070-075	<5		<0.001		<0.5	<0.02
RS-455 075-080	<5		<0.001		<0.5	<0.02
RS-455 080-085	<5		<0.001		<0.5	<0.02
RS-455 085-090	<5		<0.001		<0.5	<0.02
RS-455 090-095	10	12	<0.001	<0.001	<0.5	<0.02
RS-455 095-100	6		<0.001		<0.5	<0.02
RS-455 100-105	<5		<0.001		<0.5	<0.02
RS-455 105-110	<5		<0.001		<0.5	<0.02
RS-455 110-115	<5		<0.001		<0.5	<0.02
RS-455 115-120	<5		<0.001		<0.5	<0.02
RS-455 120-125	<5	<5	<0.001	<0.001	<0.5	<0.02

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SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 125-130	<5		<0.001		<0.5	<0.02
RS-455 130-135	<5		<0.001		<0.5	<0.02
RS-455 135-140	<5		<0.001		<0.5	<0.02
RS-455 140-145	<5		<0.001		<0.5	<0.02
RS-455 145-150	<5		<0.001		<0.5	<0.02
RS-455 150-155	<5		<0.001		<0.5	<0.02
RS-455 155-160	<5		<0.001		<0.5	<0.02
RS-455 160-165	<5		<0.001		<0.5	<0.02
RS-455 165-170	<5		<0.001		<0.5	<0.02
RS-455 170-175	6		<0.001		<0.5	<0.02
RS-455 175-180	20	30	<0.001	<0.001	<0.5	<0.02
RS-455 180-185	6		<0.001		<0.5	<0.02
RS-455 185-190	<5		<0.001		<0.5	<0.02
RS-455 190-195	<5		<0.001		<0.5	<0.02
RS-455 195-200	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 200-205	<5		<0.001		<0.5	<0.02
RS-455 205-210	<5		<0.001		<0.5	<0.02
RS-455 210-215	<5		<0.001		<0.5	<0.02
RS-455 215-220	<5		<0.001		<0.5	<0.02
RS-455 220-225	<5		<0.001		<0.5	<0.02
RS-455 225-230	<5		<0.001		<0.5	<0.02
RS-455 230-235	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 235-240	<5		<0.001		<0.5	<0.02
RS-455 240-245	<5		<0.001		<0.5	<0.02
RS-455 245-250	<5		<0.001		<0.5	<0.02

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SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 250-255	<5		<0.001		<0.5	<0.02
RS-455 255-260	<5		<0.001		<0.5	<0.02
RS-455 260-265	<5		<0.001		<0.5	<0.02
RS-455 265-270	<5		<0.001		<0.5	<0.02
RS-455 270-275	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 275-280	38		0.001		<0.5	<0.02
RS-455 280-285	82	92	0.002	0.003	<0.5	<0.02
RS-455 285-290	18		<0.001		<0.5	<0.02
RS-455 290-295	50		0.001		<0.5	<0.02
RS-455 295-300	5		<0.001		<0.5	<0.02
RS-455 300-305	<5		<0.001		<0.5	<0.02
RS-455 305-310	9		<0.001		<0.5	<0.02
RS-455 310-315	<5		<0.001		<0.5	<0.02
RS-455 315-320	<5		<0.001		<0.5	<0.02
RS-455 320-325	8		<0.001		<0.5	<0.02
RS-455 325-330	63	73	0.002	0.002	<0.5	<0.02
RS-455 330-335	<5		<0.001		<0.5	<0.02
RS-455 335-340	19		<0.001		<0.5	<0.02
RS-455 340-345	460	94	0.013	0.003	<0.5	<0.02
RS-455 345-350	206		0.006		<0.5	<0.02
RS-455 350-355	178		0.005		<0.5	<0.02
RS-455 355-360	32	27	<0.001	<0.001	<0.5	<0.02
RS-455 360-365	8		<0.001		<0.5	<0.02
RS-455 365-370	<5		<0.001		<0.5	<0.02
RS-455 370-375	<5		<0.001		<0.5	<0.02

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REFERENCE : RS-455

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SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 375-380	79		0.002		<0.5	<0.02
RS-455 380-385	146		0.004		<0.5	<0.02
RS-455 385-390	330		0.010		2.1	0.06
RS-455 390-395	348	376	0.010	0.011	1.8	0.05
RS-455 395-400	159		0.005		<0.5	<0.02
RS-455 400-405	130		0.004		<0.5	<0.02
RS-455 405-410	14		<0.001		<0.5	<0.02
RS-455 410-415	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 415-420	<5		<0.001		<0.5	<0.02
RS-455 420-425	<5		<0.001		<0.5	<0.02
RS-455 425-430	<5		<0.001		<0.5	<0.02
RS-455 430-435	<5		<0.001		<0.5	<0.02
RS-455 435-440	128		0.004		1.2	0.04
RS-455 440-445	108	116	0.003	0.003	<0.5	<0.02
RS-455 445-450	83		0.002		<0.5	<0.02
RS-455 450-455	8		<0.001		<0.5	<0.02
RS-455 455-460	10		<0.001		<0.5	<0.02
RS-455 460-465	<5		<0.001		<0.5	<0.02
RS-455 465-470	<5		<0.001		<0.5	<0.02
RS-455 470-475	<5		<0.001		<0.5	<0.02
RS-455 475-480	<5		<0.001		<0.5	<0.02
RS-455 480-485	6	6	<0.001	<0.001	<0.5	<0.02
RS-455 485-490	<5		<0.001		<0.5	<0.02
RS-455 490-495	<5		<0.001		<0.5	<0.02
RS-455 495-500	11		<0.001		<0.5	<0.02

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ANALYSIS REPORT SP051812

American Assay Laboratories

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SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 500-505	8		<0.001		<0.5	<0.02
RS-455 505-510	<5		<0.001		<0.5	<0.02
RS-455 505-510B	125	152	0.004	0.004	<0.5	<0.02
RS-455 510-515	<5		<0.001		<0.5	<0.02
RS-455 515-520	<5		<0.001		<0.5	<0.02
RS-455 520-525	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 525-530	<5		<0.001		<0.5	<0.02
RS-455 530-535	<5		<0.001		<0.5	<0.02
RS-455 535-540	<5		<0.001		<0.5	<0.02
RS-455 540-545	<5		<0.001		<0.5	<0.02
RS-455 545-550	6		<0.001		<0.5	<0.02
RS-455 550-555	58	65	0.002	0.002	<0.5	<0.02
RS-455 555-560	78	88	0.002	0.003	<0.5	<0.02
RS-455 560-565	25		<0.001		<0.5	<0.02
RS-455 565-570	18		<0.001		<0.5	<0.02
RS-455 570-575	20		<0.001		<0.5	<0.02
RS-455 575-580	30		<0.001		<0.5	<0.02
RS-455 580-585	25		<0.001		<0.5	<0.02
RS-455 585-590	23		<0.001		<0.5	<0.02
RS-455 590-595	25		<0.001		<0.5	<0.02
RS-455 595-600	13		<0.001		<0.5	<0.02
RS-455 600-605	12		<0.001		<0.5	<0.02
RS-455 605-610	12		<0.001		<0.5	<0.02
RS-455 610-615	8		<0.001		<0.5	<0.02
RS-455 615-620	6		<0.001		<0.5	<0.02

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SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 620-625	8		<0.001		<0.5	<0.02
RS-455 625-630	10		<0.001		<0.5	<0.02
RS-455 630-635	<5		<0.001		<0.5	<0.02
RS-455 635-640	10		<0.001		<0.5	<0.02
RS-455 640-645	16		<0.001		<0.5	<0.02
RS-455 645-650	8		<0.001		<0.5	<0.02
RS-455 650-655	8	7	<0.001	<0.001	<0.5	<0.02
RS-455 655-660	<5		<0.001		<0.5	<0.02
RS-455 660-665	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 665-670	<5		<0.001		<0.5	<0.02
RS-455 670-675	<5		<0.001		<0.5	<0.02
RS-455 675-680	<5		<0.001		<0.5	<0.02
RS-455 680-685	<5		<0.001		<0.5	<0.02
RS-455 685-690	<5		<0.001		<0.5	<0.02
RS-455 690-695	<5		<0.001		<0.5	<0.02
RS-455 695-700	<5		<0.001		<0.5	<0.02
RS-455 700-705	<5		<0.001		<0.5	<0.02
RS-455 705-710	<5		<0.001		<0.5	<0.02
RS-455 710-715	<5		<0.001		<0.5	<0.02
RS-455 715-720	<5		<0.001		<0.5	<0.02
RS-455 720-725	<5		<0.001		<0.5	<0.02
RS-455 725-730	<5		<0.001		<0.5	<0.02
RS-455 730-735	<5		<0.001		<0.5	<0.02
RS-455 735-740	<5		<0.001		<0.5	<0.02
RS-455 740-745	<5		<0.001		<0.5	<0.02

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SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 745-750	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 750-755	<5		<0.001		<0.5	<0.02
RS-455 755-760	<5		<0.001		<0.5	<0.02
RS-455 760-765	<5		<0.001		<0.5	<0.02
RS-455 765-770	<5		<0.001		<0.5	<0.02
RS-455 770-775	<5		<0.001		<0.5	<0.02
RS-455 775-780	<5		<0.001		<0.5	<0.02
RS-455 780-785	<5		<0.001		<0.5	<0.02
RS-455 785-790	<5		<0.001		<0.5	<0.02
RS-455 790-795	<5		<0.001		<0.5	<0.02
RS-455 795-800	<5		<0.001		<0.5	<0.02
RS-455 800-805	<5		<0.001		<0.5	<0.02
RS-455 805-810	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 810-815	<5		<0.001		<0.5	<0.02
RS-455 815-820	<5		<0.001		<0.5	<0.02
RS-455 820-825	<5		<0.001		<0.5	<0.02
RS-455 825-830	<5		<0.001		<0.5	<0.02
RS-455 830-835	<5		<0.001		<0.5	<0.02
RS-455 835-840	<5		<0.001		<0.5	<0.02
RS-455 840-845	<5		<0.001		<0.5	<0.02
RS-455 845-850	<5		<0.001		<0.5	<0.02
RS-455 850-855	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 855-860	<5		<0.001		<0.5	<0.02
RS-455 860-865	<5		<0.001		<0.5	<0.02
RS-455 865-870	<5		<0.001		<0.5	<0.02

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SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-455 870-875	<5		<0.001		<0.5	<0.02
RS-455 875-880	<5		<0.001		<0.5	<0.02
RS-455 880-885	6		<0.001		<0.5	<0.02
RS-455 885-890	<5		<0.001		<0.5	<0.02
RS-455 890-895	<5		<0.001		<0.5	<0.02
RS-455 895-900	<5		<0.001		<0.5	<0.02
RS-455 900-905	5		<0.001		<0.5	<0.02
RS-455 905-910	<5		<0.001		<0.5	<0.02
RS-455 910-915	<5		<0.001		<0.5	<0.02
RS-455 915-920	<5		<0.001		<0.5	<0.02
RS-455 920-925	8		<0.001		<0.5	<0.02
RS-455 925-930	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 930-935	<5		<0.001		<0.5	<0.02
RS-455 935-940	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 940-945	7		<0.001		<0.5	<0.02
RS-455 945-950	<5		<0.001		<0.5	<0.02
RS-455 950-955	<5		<0.001		<0.5	<0.02
RS-455 955-960	11		<0.001		<0.5	<0.02
RS-455 960-965	<5		<0.001		<0.5	<0.02
RS-455 965-970	<5		<0.001		<0.5	<0.02
RS-455 970-975	<5		<0.001		<0.5	<0.02
RS-455 975-980	<5		<0.001		<0.5	<0.02
RS-455 975-980B	98	112	0.003	0.003	<0.5	<0.02
RS-455 980-985	<5		<0.001		<0.5	<0.02
RS-455 985-990	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051812

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-455

REPORTED : 2 DEC 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-455 990-995	<5		<0.001		<0.5	<0.02
RS-455 995-1000	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 1000-1005	<5		<0.001		<0.5	<0.02
RS-455 1005-1010	<5		<0.001		<0.5	<0.02
RS-455 1010-1015	<5		<0.001		<0.5	<0.02
RS-455 1015-1020	<5		<0.001		<0.5	<0.02
RS-455 1020-1025	<5		<0.001		<0.5	<0.02
RS-455 1025-1030	<5		<0.001		<0.5	<0.02
RS-455 1030-1035	6		<0.001		<0.5	<0.02
RS-455 1035-1040	<5		<0.001		<0.5	<0.02
RS-455 1040-1045	<5		<0.001		<0.5	<0.02
RS-455 1045-1050	<5		<0.001		<0.5	<0.02
RS-455 1050-1055	<5		<0.001		<0.5	<0.02
RS-455 1055-1060	<5		<0.001		<0.5	<0.02
RS-455 1060-1065	<5		<0.001		<0.5	<0.02
RS-455 1065-1070	<5		<0.001		<0.5	<0.02
RS-455 1070-1075	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 1075-1080	<5		<0.001		<0.5	<0.02
RS-455 1080-1085	<5		<0.001		<0.5	<0.02
RS-455 1085-1090	<5		<0.001		<0.5	<0.02
RS-455 1090-1095	<5		<0.001		<0.5	<0.02
RS-455 1095-1100	<5		<0.001		<0.5	<0.02
RS-455 1100-1105	<5		<0.001		<0.5	<0.02
RS-455 1105-1110	<5		<0.001		<0.5	<0.02
RS-455 1110-1115	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051812

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-455

REPORTED : 2 DEC 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-455 1115-1120	<5		<0.001		<0.5	<0.02
RS-455 1120-1125	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 1125-1130	<5		<0.001		<0.5	<0.02
RS-455 1130-1135	<5		<0.001		<0.5	<0.02
RS-455 1135-1140	<5		<0.001		<0.5	<0.02
RS-455 1140-1145	<5	29	<0.001	<0.001	<0.5	<0.02
RS-455 1145-1150	<5		<0.001		<0.5	<0.02
RS-455 1150-1155	6	<5	<0.001	<0.001	<0.5	<0.02
RS-455 1155-1160	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-455 1160-1165	<5		<0.001		<0.5	<0.02
RS-455 1165-1170	<5		<0.001		<0.5	<0.02
RS-455 1170-1175	<5		<0.001		<0.5	<0.02
RS-455 1175-1180	<5		<0.001		<0.5	<0.02
RS-455 1180-1185	<5		<0.001		<0.5	<0.02
RS-455 1185-1190	<5		<0.001		<0.5	<0.02
RS-455 1190-1195	<5		<0.001		<0.5	<0.02
RS-455 1195-1200	<5		<0.001		<0.5	<0.02
RS-455 1200-1205	<5		<0.001		<0.5	<0.02
RS-455 1205-1210	<5		<0.001		<0.5	<0.02
RS-455 1210-1215	<5		<0.001		<0.5	<0.02
RS-455 1215-1220	<5		<0.001		<0.5	<0.02
RS-455 1220-1225	<5		<0.001		<0.5	<0.02
RS-455 1225-1230	<5		<0.001		<0.5	<0.02
RS-455 1230-1235	<5		<0.001		<0.5	<0.02
RS-455 1235-1240	<5	<5	<0.001	<0.001	<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP051812

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-455

REPORTED : 2 DEC 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-455 1240-1245	<5		<0.001		<0.5	<0.02
RS-455 1245-1250	<5		<0.001		<0.5	<0.02
RS-455 1250-1255	<5		<0.001		<0.5	<0.02
RS-455 1255-1260	<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	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:	SP051812
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-455 0000-0025	< .3	1.57	7	5	234	< 3	0.89	0.5	3	5	11	2.22	125	0.36	28	0.2	678	3	0.11	4	0.026	17	< 3	0.6	114	7	0.01	< 8	10	< 2	73
RS-455 0025-0050	< .3	1.31	5	< 3	93	< 3	2.16	0.3	1	1	4	2.25	65	0.23	33	0.12	1145	1	0.07	< 1	0.021	18	< 3	0.2	78	7	< .01	< 8	< 1	< 2	82
RS-455 0050-0075	< .3	0.89	4	< 3	42	< 3	1.59	0.3	1	2	5	2.33	140	0.25	30	0.07	981	2	0.06	1	0.019	21	< 3	2.1	65	7	< .01	< 8	< 1	< 2	104
RS-455 0075-0100	< .3	0.89	8	< 3	61	< 3	0.43	0.2	1	6	20	2.58	105	0.27	20	0.08	1125	9	0.08	2	0.019	10	< 3	0.8	43	9	0.01	< 8	1	< 2	94
RS-455 0100-0125	< .3	0.86	8	< 3	62	< 3	0.64	0.4	1	6	16	2.37	80	0.26	18	0.08	833	9	0.1	1	0.019	8	< 3	0.9	40	9	0.01	< 8	1	< 2	83
RS-455 0125-0150	< .3	0.87	10	3	75	3	0.5	< .2	1	7	20	2.56	70	0.29	18	0.08	1340	11	0.1	3	0.02	6	< 3	0.4	43	9	0.01	< 8	1	2	97
RS-455 0150-0175	< .3	1.02	17	3	59	11	0.33	0.6	1	5	18	2.63	255	0.31	23	0.07	2824	7	0.06	1	0.025	20	< 3	2	42	8	0.01	< 8	< 1	< 2	216
RS-455 0175-0200	< .3	0.85	17	< 3	51	< 3	0.26	< .2	1	3	10	2.33	200	0.25	23	0.07	513	6	0.05	1	0.026	11	7	1	31	9	0.01	< 8	1	< 2	115
RS-455 0200-0225	< .3	0.79	4	< 3	57	< 3	0.31	0.5	1	8	23	2.91	10	0.23	22	0.09	796	13	0.09	3	0.021	8	< 3	0.1	34	12	0.02	< 8	2	< 2	83
RS-455 0225-0250	< .3	0.85	7	< 3	86	< 3	0.21	0.4	1	7	19	2.8	45	0.25	23	0.08	1591	12	0.08	1	0.022	5	6	0.4	43	12	0.01	< 8	1	< 2	88
RS-455 0250-0275	< .3	1.09	3	3	79	< 3	0.29	0.5	1	5	15	2.67	35	0.29	25	0.09	2030	8	0.07	3	0.026	9	5	0.5	39	11	0.01	< 8	1	< 2	101
RS-455 0275-0300	< .3	0.86	9	< 3	112	< 3	0.27	0.3	1	7	18	3.22	95	0.26	24	0.08	2157	12	0.07	2	0.029	6	29	2.2	60	10	0.01	< 8	1	< 2	128
RS-455 0300-0325	< .3	1.06	3	3	73	< 3	0.65	0.6	1	6	15	2.58	30	0.34	23	0.1	1257	9	0.08	3	0.023	7	16	0.7	42	11	0.01	< 8	< 1	< 2	81
RS-455 0325-0350	< .3	1.04	11	< 3	61	< 3	0.34	0.3	1	4	17	2.42	130	0.28	23	0.1	594	7	0.05	< 1	0.024	10	16	11.7	25	9	< .01	< 8	1	< 2	93
RS-455 0350-0375	< .3	1.23	10	< 3	75	< 3	0.41	0.5	1	3	10	2.73	160	0.38	26	0.12	2423	5	0.04	1	0.023	13	15	3.4	20	10	0.01	< 8	< 1	< 2	106
RS-455 0375-0400	1	0.93	33	< 3	52	< 3	0.18	0.4	1	6	17	2.91	185	0.27	15	0.04	1146	10	0.02	2	0.026	20	45	18.3	11	6	< .01	< 8	1	< 2	166
RS-455 0400-0425	< .3	0.76	9	< 3	53	< 3	0.23	0.3	1	4	11	2.36	90	0.28	19	0.07	1831	6	0.01	1	0.024	16	12	3.7	12	7	0.01	< 8	1	< 2	68
RS-455 0425-0450	0.5	0.73	21	< 3	53	< 3	0.21	0.4	1	5	9	2.46	170	0.25	19	0.07	1434	5	0.01	1	0.025	18	16	6.1	12	7	< .01	< 8	< 1	< 2	89
RS-455 0450-0475	< .3	0.58	4	< 3	54	< 3	1.52	< .2	1	4	5	1.98	65	0.22	21	0.1	1251	4	0.02	1	0.022	15	< 3	0.5	53	7	0.01	< 8	1	< 2	56
RS-455 0475-0500	< .3	0.82	6	3	62	< 3	1.76	< .2	1	5	7	1.84	125	0.29	22	0.12	805	3	0.04	1	0.022	16	< 3	0.4	65	8	0.02	< 8	2	< 2	46
RS-455 0500-0525	< .3	0.68	5	< 3	96	< 3	1.93	0.2	2	4	7	1.72	75	0.26	22	0.11	870	2	0.03	1	0.03	20	< 3	0.7	78	7	0.01	< 8	1	< 2	45
RS-455 0525-0550	< .3	0.67	5	< 3	42	< 3	1.15	< .2	1	6	6	1.49	55	0.24	23	0.06	633	4	0.02	1	0.026	15	< 3	0.2	50	8	0.01	< 8	1	< 2	44
RS-455 0550-0575	< .3	0.38	24	3	60	< 3	0.17	0.2	1	8	12	2.17	310	0.15	19	0.02	131	7	0.01	4	0.023	17	19	6.2	12	5	< .01	< 8	1	< 2	53
RS-455 0575-0600	< .3	0.4	13	< 3	31	< 3	0.19	0.2	1	9	12	1.84	200	0.16	19	0.02	286	7	0.01	3	0.023	15	13	3.4	18	5	< .01	< 8	1	< 2	64
RS-455 0600-0625	< .3	0.66	7	< 3	65	< 3	0.89	0.3	1	7	11	1.91	120	0.23	22	0.05	900	4	0.02	1	0.026	13	13	1.4	41	8	< .01	< 8	1	< 2	85
RS-455 0625-0650	< .3	0.59	6	< 3	68	< 3	1.53	< .2	1	6	10	2.07	90	0.22	21	0.06	793	6	0.03	2	0.023	11	3	1	59	7	0.01	< 8	1	< 2	66
RS-455 0650-0675	< .3	0.71	3	< 3	98	< 3	1.48	0.2	1	7	10	2.12	70	0.25	22	0.07	721	6	0.05	1	0.025	9	3	0.8	72	9	0.01	< 8	< 1	< 2	74
RS-455 0675-0700	< .3	0.67	5	< 3	77	< 3	1.27	0.2	1	9	13	2.33	75	0.23	21	0.08	746	8	0.05	3	0.023	11	3	0.6	68	9	0.01	< 8	1	< 2	74
RS-455 0700-0725	< .3	0.71	4	5	76	< 3	0.99	0.3	1	11	13	2.27	60	0.24	21	0.08	713	9	0.06	1	0.025	10	< 3	0.5	50	9	0.01	< 8	1	< 2	81
RS-455 0725-0750	< .3	0.72	5	< 3	75	< 3	1.09	0.6	1	8	12	2.2	50	0.24	22	0.09	805	8	0.07	1	0.026	9	< 3	0.4	53	10	0.01	< 8	1	< 2	86
RS-455 0750-0775	< .3	0.92	5	< 3	75	< 3	1.26	< .2	1	9	8	2.02	55	0.24	24	0.09	697	6	0.06	< 1	0.028	13	< 3	0.7	74	10	< .01	< 8	1	< 2	83
RS-455 0775-0800	< .3	1.03	5	3	145	< 3	1.09	0.4	1	6	8	2.24	45	0.24	25	0.1	564	5	0.07	1	0.027	12	< 3	0.5	68	10	< .01	< 8	1	< 2	84
RS-455 0800-0825	< .3	0.88	5	< 3	74	< 3	1.15	0.2	1	5	8	2.15	65	0.24	28	0.07	741	4	0.08	1	0.027	12	< 3	0.7	65	11	0.01	< 8	< 1	< 2	84
STANDARD C3	5.7	1.82	58	19	158	22	0.6	25.4	13	175	67	3.36	910	0.17	18	0.61	783	27	0.05	37	0.093	37	19	1.3	30	21	0.09	19	81	17	176
STANDARD G-2	< .3	1.02	< 2	< 3	240	< 3	0.64	< .2	4	70	4	1.88	< 10	0.5	7	0.56	494	2	0.11	7	0.093	< 3	< 3	< .1	78	4	0.12	< 8	38	2	45

CLIENT:	*NEWMONT GOLD COMPANY*
CLIENT REF:	ROSEBUD EXPLORATION
AAL REF:	SP051812
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-455 0825-0850	< .3	1.05	3	< 3	200	< 3	2.04	0.2	1	5	7	2.06	40	0.31	28	0.08	838	3	0.08	< 1	0.03	15	< 3	0.4	101	10	0.01	< 8	1	< 2	83
RS-455 0850-0875	< .3	0.93	4	< 3	129	< 3	1.72	0.3	1	5	6	2.15	50	0.26	26	0.09	827	4	0.06	3	0.03	16	< 3	0.6	91	10	< .01	< 8	1	< 2	74
RS-455 0875-0900	< .3	1.26	5	< 3	117	< 3	2.42	0.4	1	5	7	2.34	45	0.28	28	0.13	780	3	0.07	3	0.037	22	< 3	0.4	160	6	< .01	< 8	1	< 2	87
RS-455 0900-0925	< .3	1.09	5	< 3	224	< 3	2.11	0.3	2	5	6	2.55	55	0.27	30	0.13	853	3	0.06	2	0.048	18	< 3	0.4	122	6	0.01	< 8	2	< 2	93
RS-455 0925-0950	< .3	1.11	4	< 3	167	< 3	1.79	0.2	2	5	7	2.33	75	0.26	30	0.16	799	3	0.06	1	0.053	16	< 3	1.4	107	7	0.01	< 8	2	< 2	89
RS-455 0950-0975	< .3	1.17	2	< 3	179	< 3	2.22	0.3	3	7	14	2.68	25	0.2	26	0.15	997	6	0.07	3	0.048	15	< 3	0.5	143	6	0.01	< 8	3	< 2	87
RS-455 0975-1000	< .3	1.19	3	< 3	242	5	1.76	0.4	3	7	13	2.65	30	0.18	25	0.2	1041	7	0.07	2	0.053	15	< 3	0.6	109	5	0.01	< 8	3	< 2	84
RS-455 1000-1025	< .3	1	16	< 3	181	< 3	1.22	0.3	3	10	26	3.11	35	0.18	24	0.16	707	13	0.07	4	0.048	14	< 3	0.6	75	7	0.02	< 8	4	< 2	77
RS-455 1025-1050	< .3	0.9	9	< 3	112	3	1.43	0.3	3	13	21	3.06	40	0.23	25	0.14	744	12	0.08	5	0.062	11	< 3	0.6	69	9	0.01	< 8	4	< 2	70
RS-455 1050-1075	< .3	0.91	7	< 3	119	< 3	1.46	0.4	2	6	17	2.83	65	0.28	25	0.13	676	9	0.07	3	0.055	15	< 3	0.5	64	9	0.01	< 8	3	< 2	88
RS-455 1075-1100	< .3	0.65	5	< 3	119	4	1.43	0.5	1	9	21	2.47	25	0.2	29	0.05	790	12	0.05	1	0.02	15	< 3	1.2	65	9	0.01	< 8	2	< 2	116
RS-455 1100-1125	< .3	0.57	13	< 3	154	6	1.12	0.2	1	8	17	1.85	60	0.25	24	0.05	580	9	0.04	1	0.022	14	< 3	2.3	59	9	< .01	< 8	2	< 2	65
RS-455 1125-1150	< .3	0.61	7	< 3	166	< 3	1.47	0.3	1	8	16	1.89	180	0.28	23	0.06	721	7	0.03	2	0.021	17	< 3	0.9	70	9	< .01	< 8	2	< 2	68
RS-455 1150-1175	< .3	0.54	4	< 3	74	< 3	1.35	0.5	< 1	6	15	2.27	20	0.21	28	0.06	806	9	0.05	1	0.019	10	< 3	0.2	67	9	0.01	< 8	2	< 2	81
RS-455 1175-1200	< .3	0.76	5	< 3	79	< 3	1.3	0.3	1	6	16	2.39	10	0.24	29	0.06	718	10	0.06	1	0.027	11	< 3	< .1	65	9	< .01	< 8	1	2	86
RS-455 1200-1225	< .3	0.87	5	< 3	75	< 3	1.93	0.4	2	4	7	2.36	20	0.28	26	0.09	762	4	0.05	1	0.06	16	< 3	0.1	95	8	< .01	< 8	2	< 2	67
RS-455 1225-1250	< .3	0.86	15	< 3	82	3	2.12	0.6	2	4	7	2.44	20	0.26	28	0.09	888	4	0.04	< 1	0.059	16	< 3	0.8	98	8	0.01	< 8	3	< 2	79
RS-455 1250-1260	< .3	0.84	8	< 3	99	< 3	2.05	0.2	2	4	6	2.52	20	0.24	33	0.13	926	3	0.04	< 1	0.065	19	< 3	< .1	104	10	0.01	< 8	2	< 2	89
STANDARD C3	5.5	1.77	59	19	149	25	0.57	24.2	12	164	64	3.15	940	0.16	17	0.59	750	26	0.04	38	0.09	35	19	1.2	28	21	0.08	20	77	19	167
STANDARD G-2	< .3	0.96	2	< 3	227	< 3	0.62	< .2	4	68	3	1.81	< 10	0.47	7	0.55	484	2	0.1	8	0.093	< 3	< 3	< .1	73	4	0.12	< 8	38	3	46

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 0051812-IN
INVOICE DATE: 12/29/98

Recd 12/2

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-455	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

Cuttings

QUANTITY	DESCRIPTION	PRICE	AMOUNT
254	SAMPLES RECEIVED	.00	.00
2	NO PREPARATION REQUIRED	.00	.00
252	DRYING	1.00	252.00
252	EXCESSIVE WETNESS	1.00	252.00
252	JAW CRUSHING CHARGE	1.30	327.60
252	SPLITTING CHARGE	1.20	302.40
252	FINE MILLING CHARGE	2.00	504.00
254	Au (1 A.T. FIRE ASSAY)	8.00	2,032.00
254	HYDROCHLORIC/NITRIC DIGESTION	2.00	508.00
254	Ag ANALYSES	1.00	254.00
252	COMPOSITE CHARGE	1.00	252.00
51	MULTI-ELEMENT ICP PACKAGE	9.80	499.80
51	Se ANALYSES	7.15	364.65

$3606.49

NET INVOICE:	5,548.45
LESS DISCOUNT:	1,941.96
FREIGHT:	.00
INVOICE TOTAL:	3,606.49

COPY

CUSTOMER--------: NEWMONT GOLD COMPANY
MINE SITE--------: ROSEBUD
HOLE NO.--------: RS 455
DATE----------: 12/15/98

SILVER STATE SURVEYS, INC.

Survey Certified By

SEAN P RAVENEL

PROJECTED DEPTH--: N/A

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+/S- (FEET)	E+/W- (FEET)	DOGLEG 50/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
0	0.00	0.00	-89.46	308.24	0.00	0.00	0.00	0.00	0.00	69.4
50	50.00	0.63	-89.06	284.56	0.25	-0.58	0.50	0.63	293.14	69.4
100	99.98	1.85	-87.83	333.37	1.20	-1.40	1.71	1.85	310.50	68.6
150	149.93	3.95	-87.23	322.00	3.00	-2.57	0.77	3.95	319.37	68.6
200	199.81	7.40	-84.84	320.35	5.68	-4.75	2.40	7.40	320.10	67.7
250	249.47	13.09	-81.76	301.14	9.27	-9.25	3.77	13.09	315.04	67.7
300	298.74	21.32	-78.67	293.99	13.12	-16.81	0.55	21.32	307.97	66.8
350	347.52	31.95	-76.10	290.00	17.17	-26.94	1.36	31.95	302.50	66.8
400	395.90	44.43	-74.60	292.93	21.81	-38.71	0.84	44.43	299.40	66.8
450	444.02	57.97	-73.87	295.38	27.37	-51.10	0.49	57.97	298.18	65.9
500	492.06	71.78	-74.00	294.13	33.17	-63.66	0.37	71.78	297.52	65.9
550	540.16	85.41	-74.31	293.50	38.68	-76.15	0.35	85.41	296.93	65.0
600	588.37	98.65	-74.90	291.78	43.79	-88.40	0.06	98.65	296.35	65.0
650	636.57	111.93	-74.22	292.42	48.80	-100.73	0.35	111.93	295.85	65.0
700	684.45	126.28	-72.30	290.16	54.01	-114.15	1.01	126.28	295.32	65.0
750	732.11	141.36	-72.53	293.20	59.59	-128.18	0.47	141.36	294.93	65.0
800	779.73	156.61	-71.94	295.33	65.86	-142.08	0.44	156.61	294.87	65.0
850	827.26	172.11	-71.87	299.33	72.99	-155.87	0.62	172.11	295.09	65.0
900	874.88	187.29	-72.69	299.67	80.48	-169.11	0.42	187.29	295.45	65.0
950	922.68	201.91	-73.15	301.68	87.97	-181.74	0.37	201.91	295.83	65.0
1000	970.27	217.09	-71.16	305.58	96.47	-194.48	1.16	217.09	296.38	65.0

CUSTOMER--------: NEWMONT GOLD COMPANY
MINE SITE---------: ROSEBUD
HOLE NO.---------: RS 455
DATE----------: 12/15/98

SILVER STATE SURVEYS, INC.

Survey Certified By

SEAN P RAVENEL

PROJECTED DEPTH--: N/A

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+/S- (FEET)	E+/W- (FEET)	DOGLEG 50/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
1050	1017.51	233.15	-70.55	310.90	106.62	-207.34	0.92	233.15	297.21	65.9
1100	1064.60	249.36	-70.14	315.20	118.10	-219.62	0.75	249.36	298.27	66.8
1150	1111.71	265.50	-70.70	313.52	129.82	-231.60	0.40	265.50	299.27	66.8
1200	1158.87	281.47	-70.48	317.77	141.69	-243.20	0.72	281.47	300.23	66.8
1250	1205.95	297.63	-70.15	316.26	154.01	-254.69	0.30	297.63	301.16	67.7
1300	1253.09	313.71	-70.95	317.03	166.11	-266.12	0.42	313.71	301.97	67.7
1350	1300.22	329.87	-69.99	317.20	178.36	-277.49	0.48	329.87	302.73	68.6
1400	1347.31	346.19	-70.73	316.65	190.64	-288.97	0.38	346.19	303.41	69.4
1450	1394.43	362.49	-70.22	316.20	202.75	-300.49	0.26	362.49	304.01	68.6
1500	1441.51	378.97	-70.39	316.23	214.91	-312.15	0.08	378.97	304.55	70.3
1550	1488.56	395.54	-70.06	316.66	227.17	-323.80	0.18	395.54	305.05	71.2
1600	1535.55	412.34	-69.96	315.21	239.45	-335.69	0.25	412.34	305.50	72.1
1650	1582.54	429.18	-70.10	315.28	251.58	-347.71	0.07	429.18	305.89	73.0
1700	1629.59	445.84	-70.32	317.06	263.79	-359.44	0.32	445.84	306.27	74.7
1750	1676.66	462.47	-70.25	315.15	275.94	-371.13	0.32	462.47	306.63	75.6
1800	1723.84	478.85	-71.10	314.28	287.58	-382.88	0.45	478.85	306.91	77.3
1850	1771.18	494.81	-71.36	314.41	298.83	-394.39	0.13	494.81	307.15	78.2
1900	1818.56	510.67	-71.36	314.03	309.97	-405.84	0.06	510.67	307.37	79.1
1950	1865.97	526.44	-71.57	315.28	321.14	-417.15	0.22	526.44	307.59	80.0

HORIZONTAL PROJECTION

Survey File: RS-455

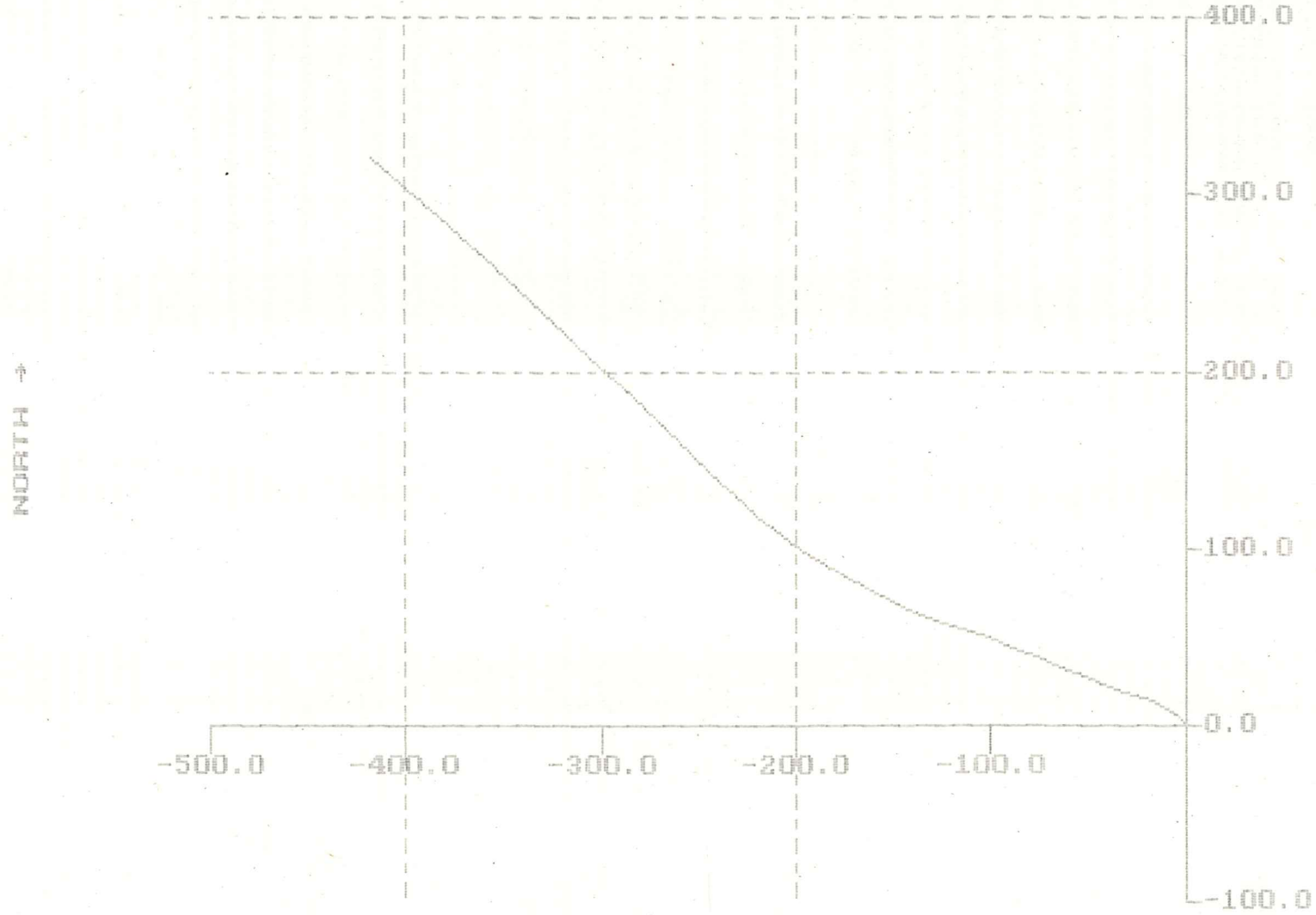
Customer: NEWMONT

Starting from 0.0 E/W 0.0 N/S

Bottom closure direction: 307.6

Time: 15:01:08

Date: 12-15-98



E/W Data Max: 0.0

E/W Data Min: -417.1

(scale in feet)

N/S Data Max: 321.1

N/S Data Min: 0.0

VERTICAL PROJECTION

Survey File: RS-455

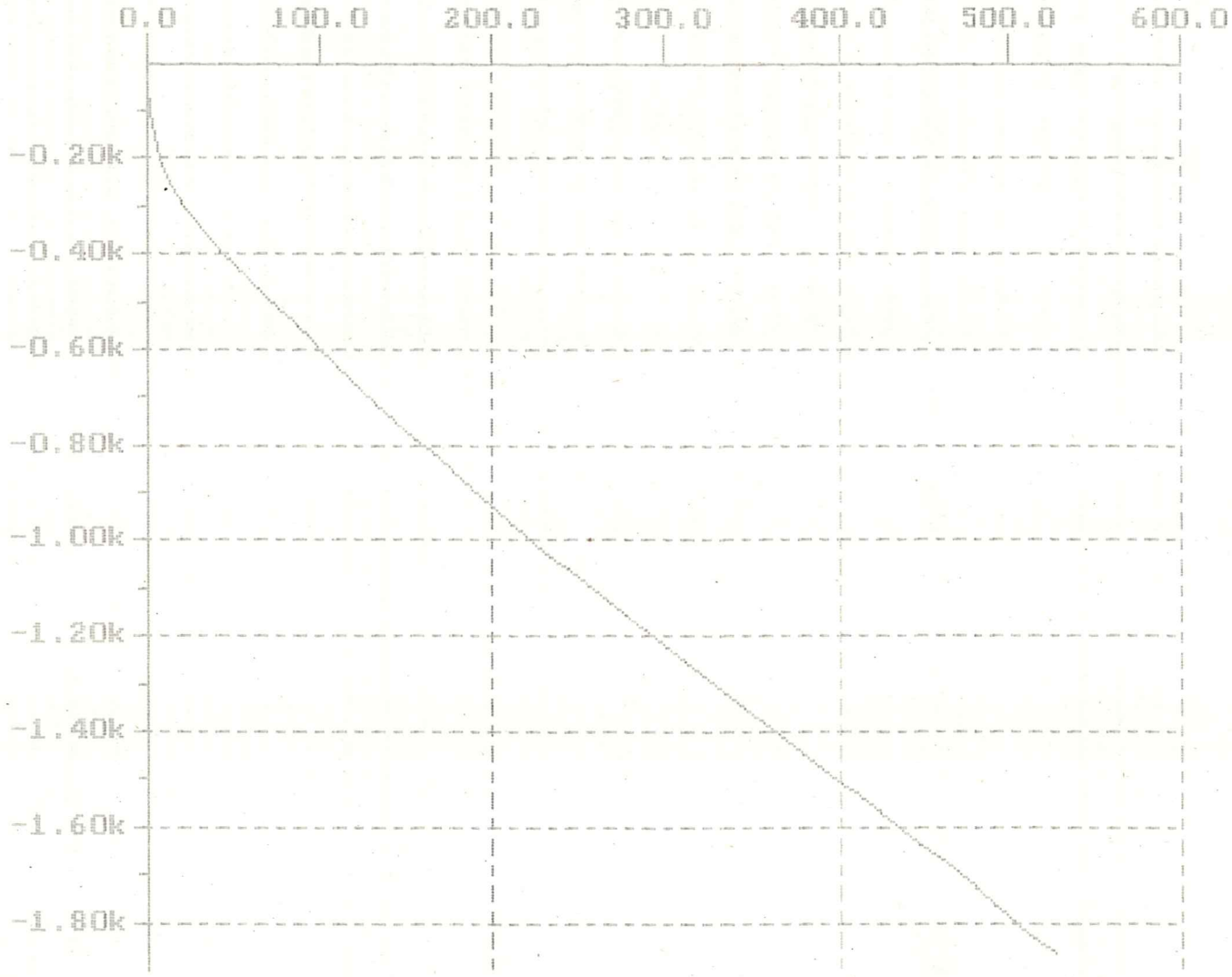
Time: 15:01:08

Section direction: 307.6

Custoner: NEWMONT

Date: 12-15-98

Starting from 0.0 E/W 0.0 N/S



Horiz Data Max: 526.4

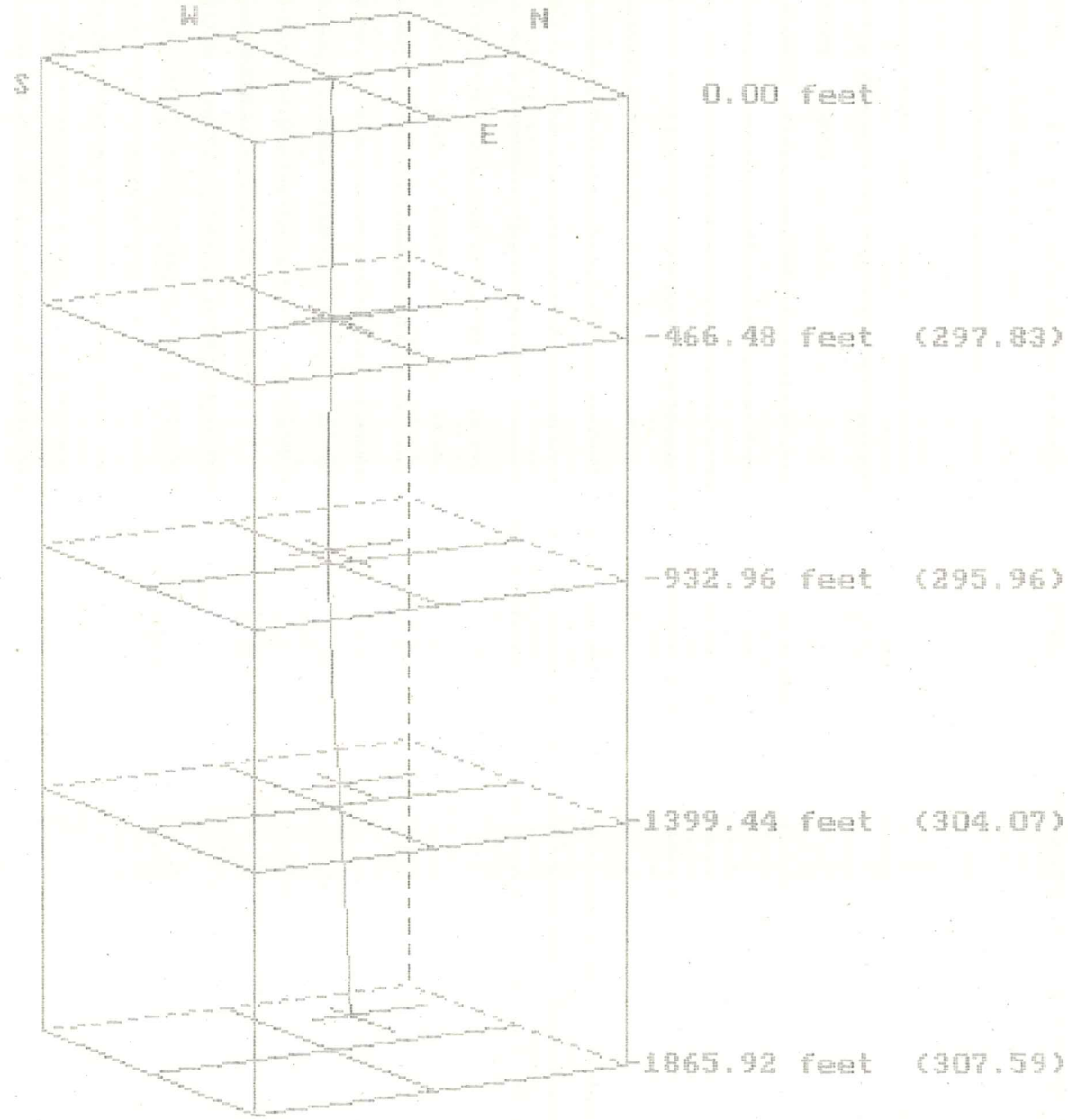
Vert Data Max: 0.0

(scale in feet)

Horiz Data Min: 0.0

Vert Data Min: -1865.9

3D PROJECTION



Survey File: RS-455
Customer: NEWMONT
Date: 12-15-98
Time: 15:01:08

CUSTOMER-------: NEWMONT GOLD COMPANY
MINE SITE--------: ROSEBUD
HOLE NO.--------: RS 455
DATE----------: 12-8-98

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

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

SILVER STATE SURVEYS, INC.

Survey Certified By

SEAN P RAVENEL

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+/S- (FEET)	E+/W- (FEET)	DOGLEG 50/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
0	0.00	0.00	-89.58	225.77	0.00	0.00	0.00	0.00	0.00	39.6
50	50.00	0.20	-89.14	55.91	0.08	0.18	1.27	0.20	65.15	39.6
100	99.99	0.94	-89.15	45.27	0.56	0.76	0.16	0.94	53.67	39.6
150	149.99	1.51	-89.53	37.41	0.98	1.14	0.39	1.51	49.41	40.4
200	199.98	2.30	-88.52	19.09	1.76	1.48	1.05	2.30	40.16	41.3
250	249.97	3.26	-89.14	14.02	2.73	1.78	0.63	3.26	33.16	40.4
300	299.96	4.29	-88.40	46.95	3.57	2.39	0.17	4.29	33.75	40.4
350	349.95	5.32	-89.16	55.60	4.25	3.20	0.39	5.32	36.93	42.2
400	399.94	6.22	-88.68	20.84	5.00	3.70	0.40	6.22	36.54	43.1
450	449.93	7.16	-88.77	348.23	6.06	3.80	0.36	7.16	32.08	43.1
500	499.90	8.02	-87.50	321.41	7.44	3.01	1.51	8.02	22.05	43.9
550	549.85	9.21	-87.20	311.90	9.10	1.42	0.54	9.21	8.89	44.8
600	599.81	10.60	-88.21	329.59	10.59	0.12	0.10	10.60	0.64	45.7
650	649.78	11.93	-87.77	309.04	11.88	-1.03	0.42	11.93	355.04	46.6
700	699.73	13.40	-87.40	303.63	13.12	-2.73	0.22	13.40	348.24	47.5
750	749.67	15.24	-86.64	296.51	14.41	-4.99	0.42	15.24	340.90	48.3
800	799.55	17.71	-85.44	288.85	15.70	-8.18	0.66	17.71	332.47	49.2

CUSTOMER-------: NEWMONT GOLD COMPANY
MINE SITE--------: ROSEBUD
HOLE NO.--------: RS 455
DATE----------: 12-8-98

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

SILVER STATE SURVEYS, INC.

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

==========
Survey Certified By

SEAN P RAVENEL
==========

MEAS DEPTH (FEET)	TRUE VERTICAL DEPTH (FEET)	TRUE VERTICAL X-SECTION (FEET)	INCL (HORZ) (DEG)	DIRECTION (AZIMUTH)	RECTANGULAR COORDINATES N+/S- (FEET)	E+/W- (FEET)	DOGLEG 50/FT (DEGREES)	CLOSURE DISTANCE (FEET)	CLOSURE DIR (DEG)	HOLE TEMP (F) (DEG)
850	849.34	21.23	-84.09	288.51	17.16	-12.51	0.67	21.23	323.92	50.1
900	899.00	26.04	-82.69	285.04	18.80	-18.02	0.73	26.04	316.23	51.0
950	948.48	32.41	-80.71	284.34	20.63	-25.00	0.99	32.41	309.53	51.0
1000	997.76	40.24	-79.93	286.75	22.89	-33.10	0.44	40.24	304.67	52.7
1050	1047.00	48.64	-80.05	290.25	25.64	-41.34	0.31	48.64	301.81	55.4
1100	1096.26	57.13	-80.19	295.54	28.98	-49.23	0.46	57.13	300.48	56.3
1150	1145.44	66.11	-79.04	295.64	32.87	-57.36	0.57	66.11	299.81	57.1
1200	1194.45	76.01	-78.09	299.76	37.49	-66.13	0.63	76.01	299.55	58.9

HORIZONTAL PROJECTION

Survey File: RS-455

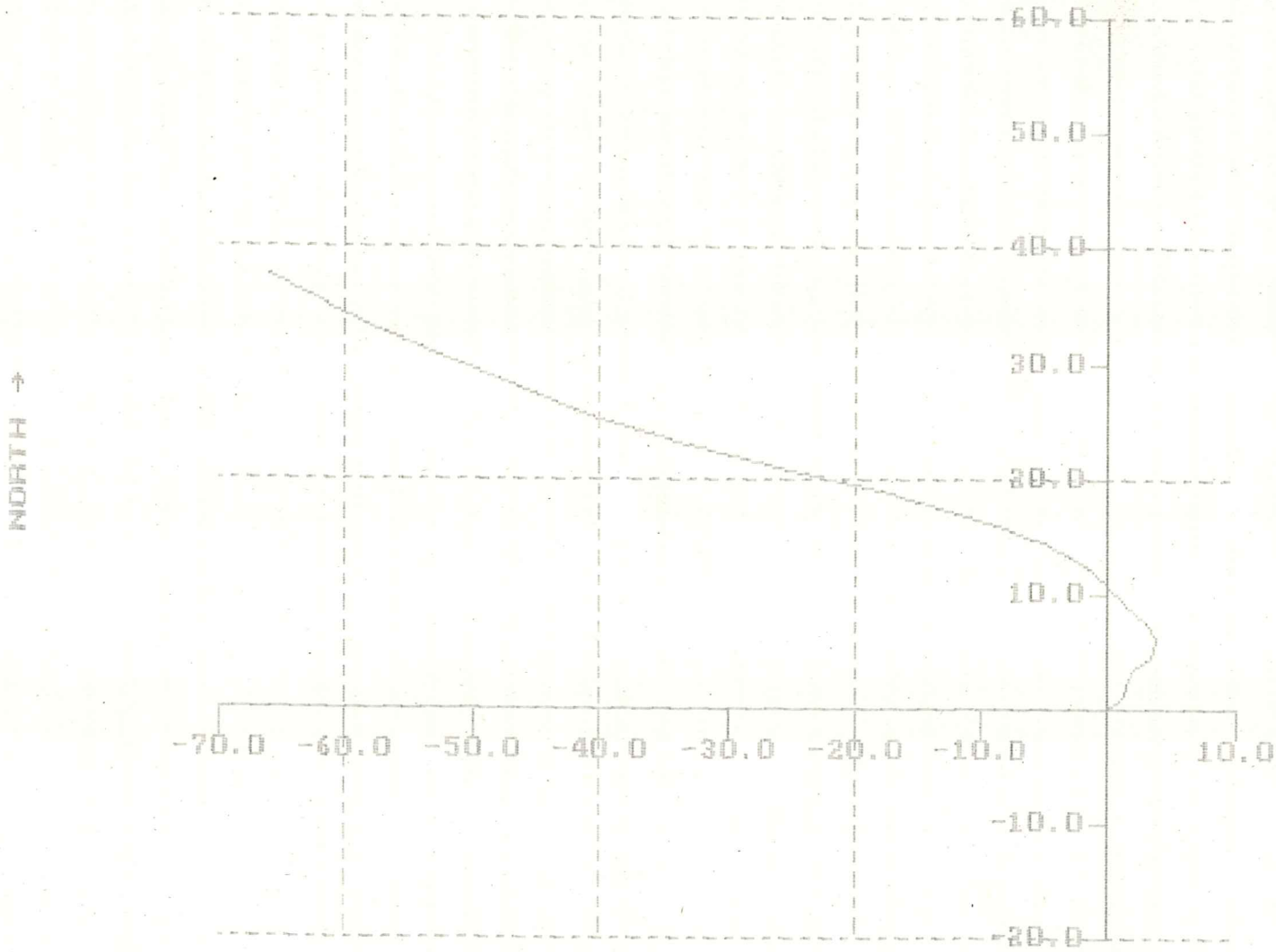
Customer: NEWMONT

Starting from 0.0 E/W 0.0 N/S

Bottom closure direction: 299.5

Time: 17:22:56

Date: 12- 8-98



E/W Data Max: 3.8

E/W Data Min: -66.1

(scale in feet)

N/S Data Max: 37.5

N/S Data Min: 0.0

VERTICAL PROJECTION

Survey File: RS-455

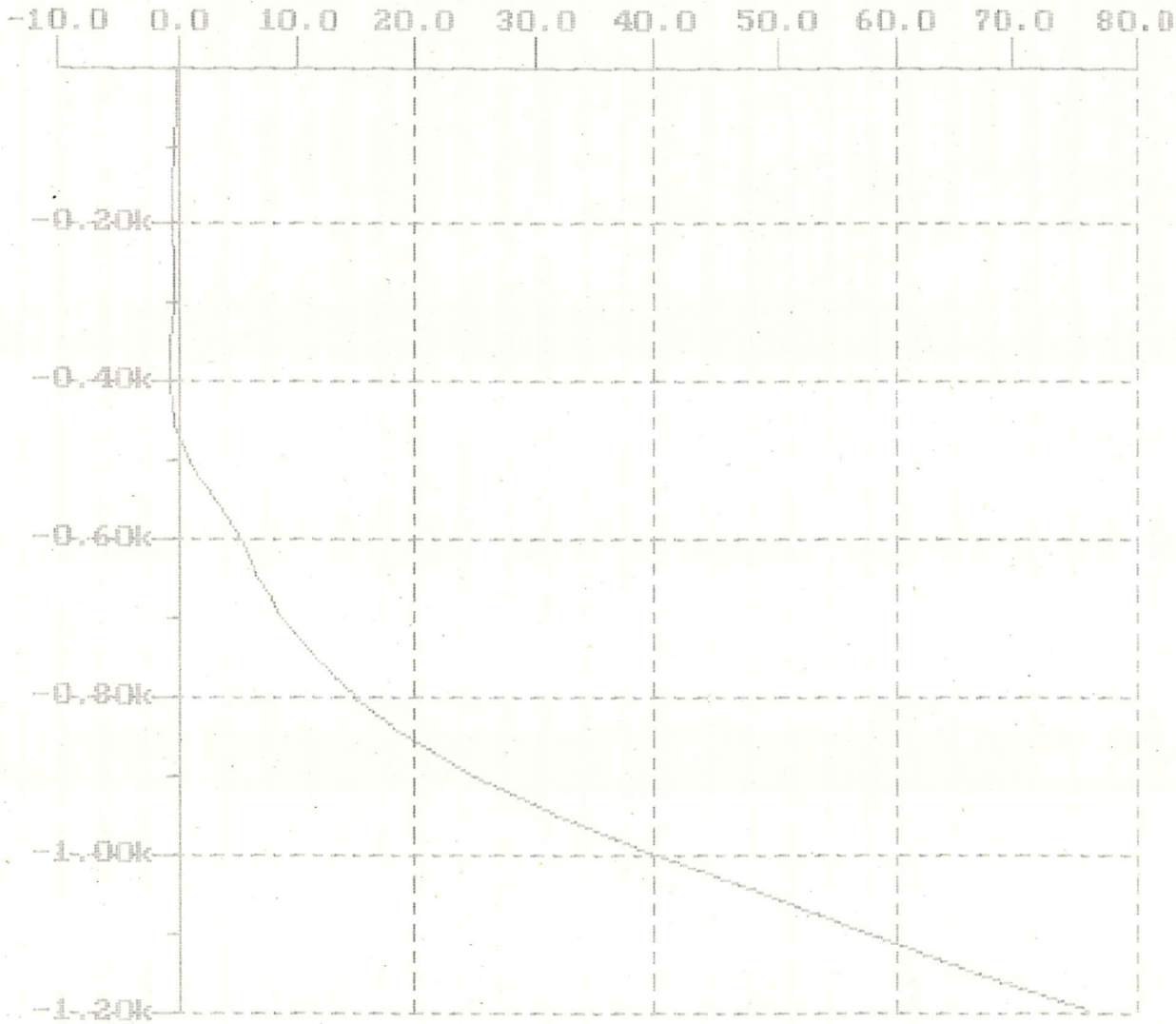
Customer: NEWMONT

Section direction: 299.5 ? looking SW ?

Time: 17:22:56

Date: 12- 8-98

Starting from 0.0 E/W 0.0 N/S



Horiz Data Max: 76.0

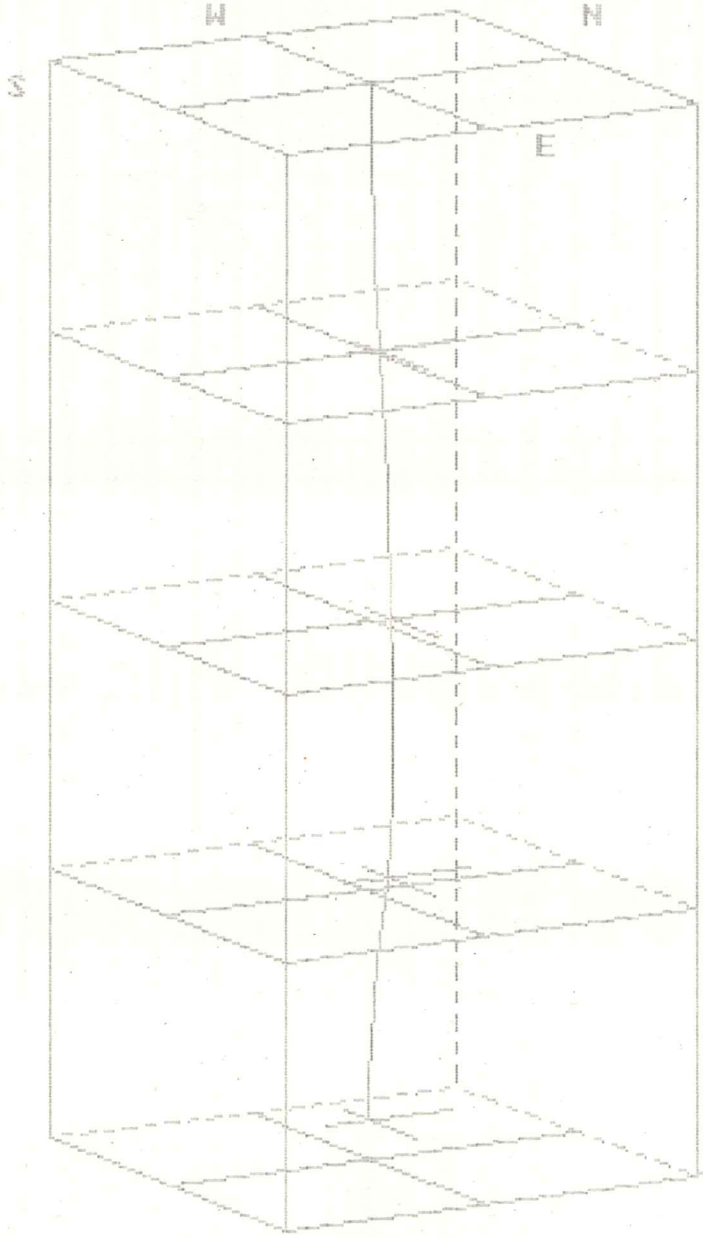
Horiz Data Min: -0.8

(scale in feet)

Vert Data Max: 0.0

Vert Data Min: -1194.4

3D PROJECTION



Survey File: RS-455
Customer: NEWMONT
Date: 12- 8-98
Time: 17:22:56

RS-455
BOX 01
DEPTH
1259_0-1267_S
1267

RS-455
BOX 02
DEPTH
1267_S-1276_0

RS-455
BOX 03
DEPTH
1276_0-1285_0
1277

1287
RS-455
BOX 04
DEPTH
1285_0-1294_0

1297
RS-455
BOX 05
DEPTH
1294_0-1304_0

1308
RS-455
BOX 06
DEPTH
1304_0-1312_0

1318
RS-455
BOX 07
DEPTH
1312_0-1321_0

1329
RS-455
BOX 08
DEPTH
1321_0-1329_7

1332
RS-455
BOX 09
DEPTH
1329_7-1338_7

1339.9
RS-455
BOX 10
DEPTH
1338_7-1348_5

1350
RS-455
BOX 11
DEPTH
1348_5-1357_0

RS-455
BOX 12
DEPTH
1357_0-1366_0

RS-455
BOX 13
DEPTH 1366_0-1375_0

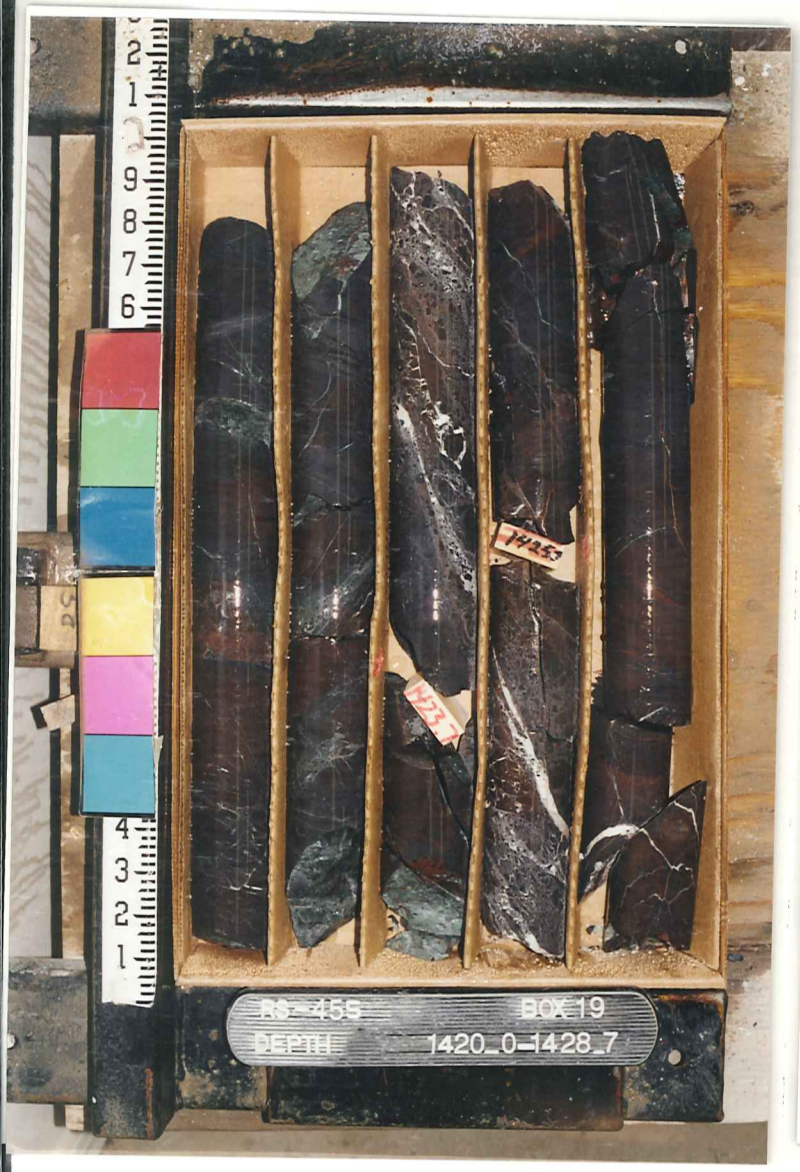
1384.4
1382.7
RS-455
BOX 14
DEPTH 1375_0-1384_0

RS-455
BOX 15
DEPTH 1384_0-1392_5

RS-455
BOX 16
DEPTH
1392_5-1402_0
1400

RS-455
BOX 17
DEPTH
1402_0-1411_0
1416

RS-455
BOX 18
DEPTH
1411_0-1420_0
1413
1415
1416
1419


RS-455
BOX 19
DEPTH
1420_0-1428_7

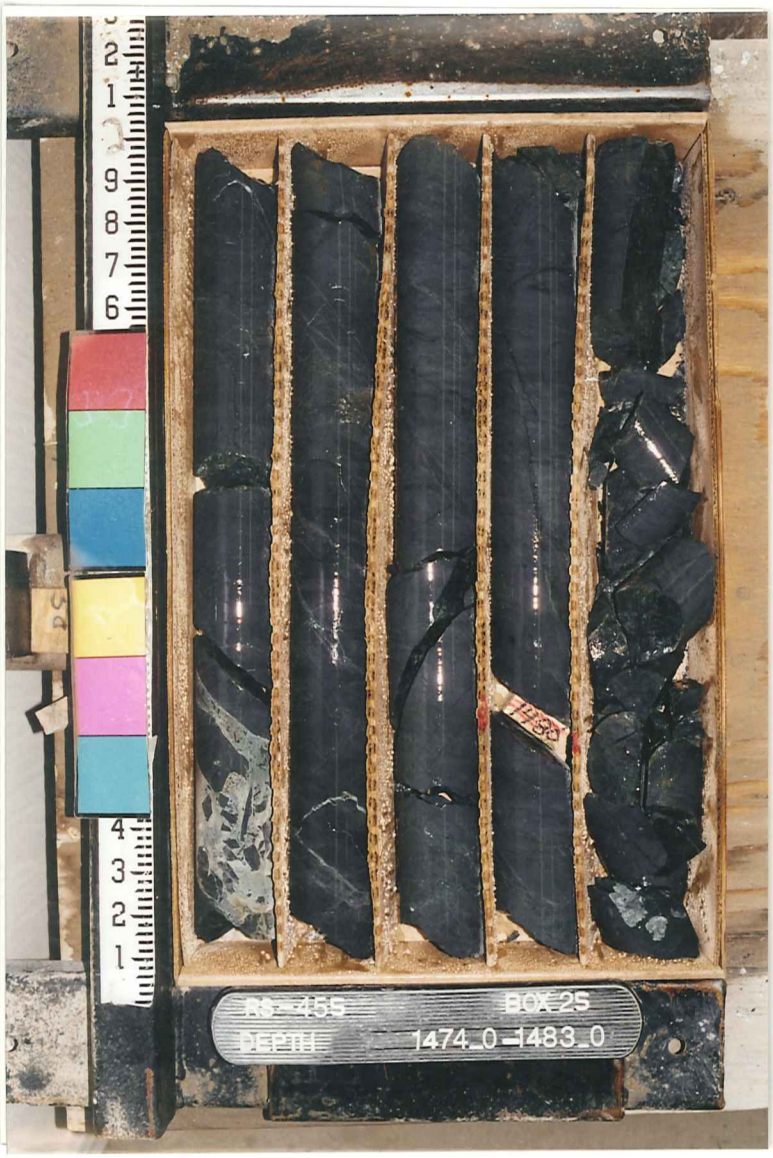
RS-455
BOX 20
DEPTH
1428_7-1437_0

RS-455
BOX 21
DEPTH
1437_0-1446_0

1450
RS-45S
BOX 22
DEPTH
1446_0-145S_S

1462.4
1464.1
1460
RS-45S
BOX 23
DEPTH
145S_S-146S_0

RS-45S
BOX 24
DEPTH
146S_0-147S_0


RS-455
BOX 25
DEPTH
1474_0-1483_0

RS-455
BOX 26
DEPTH
1483_0-1491_0

RS-455
BOX 27
DEPTH
1491_0-1499_5

1500
RG-455
BOX 28
DEPTH
1499_5-1508_5

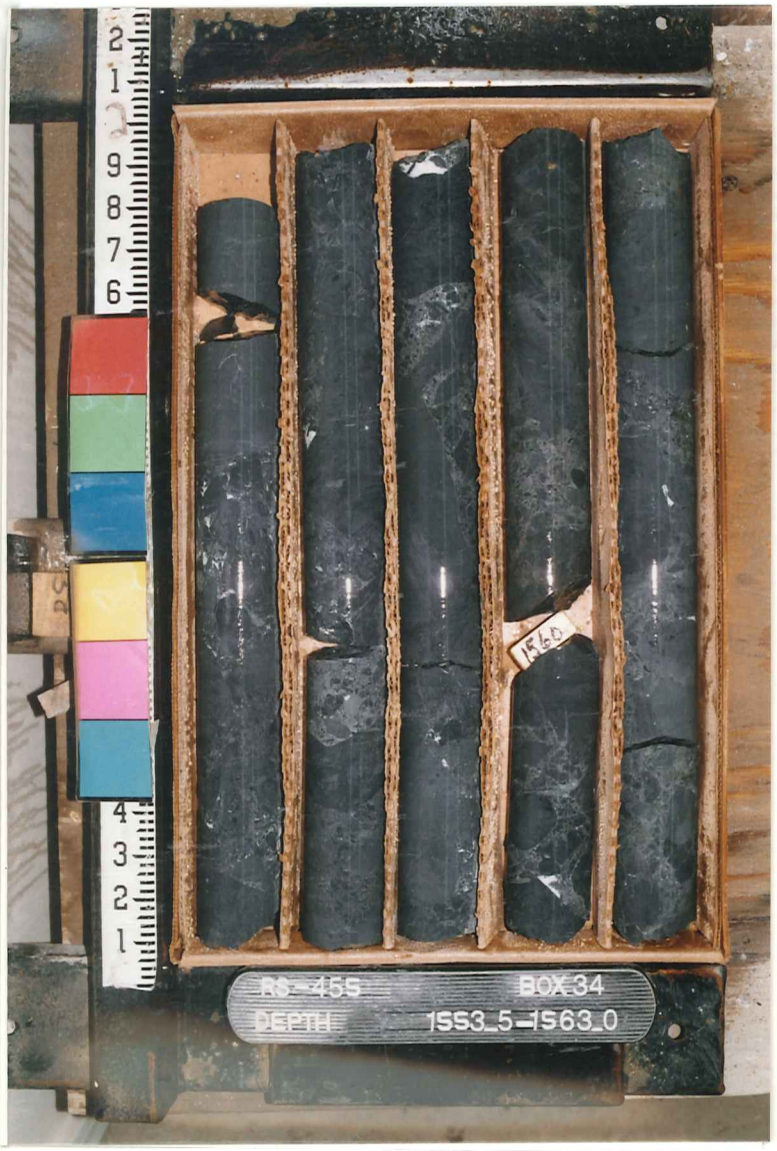
1510
RG-455
BOX 29
DEPTH
1508_5-1517_0

RG-455
BOX 30
DEPTH
1517_0-1526_0
1520

1530
RS-455
BOX 31
DEPTH
1526.0-1535.5

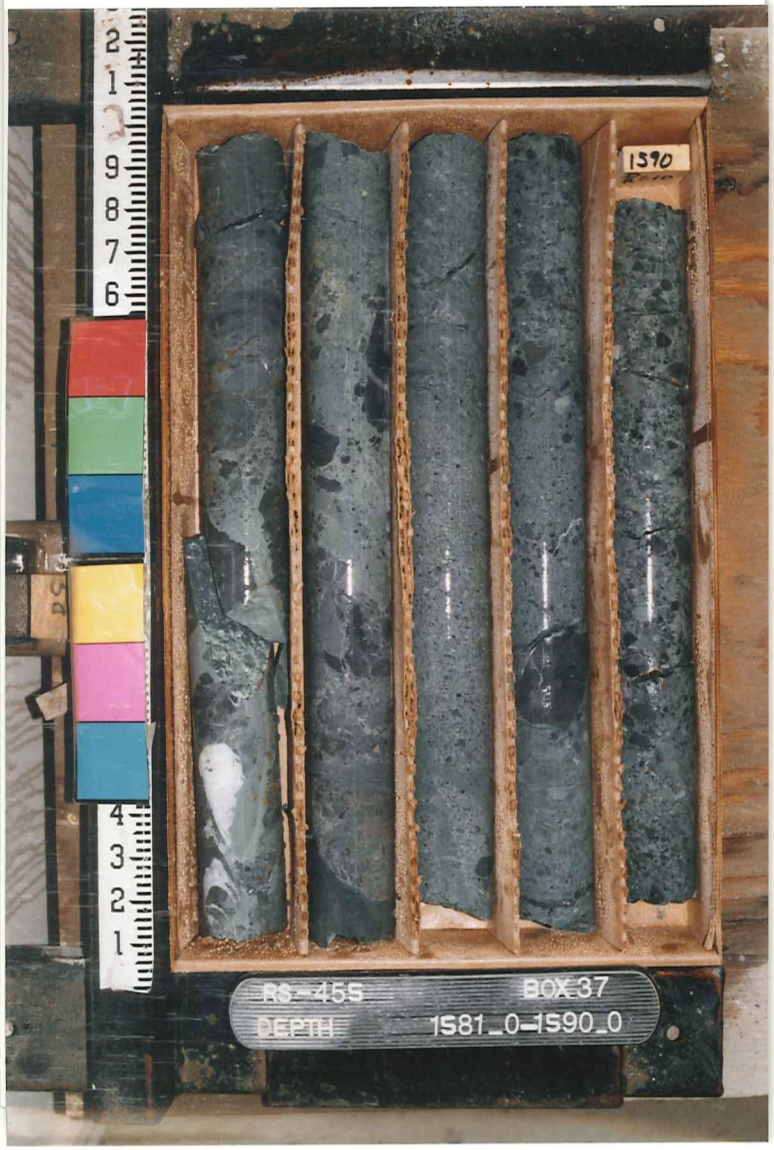
1540
RS-455
BOX 32
DEPTH
1535.5-1544.5

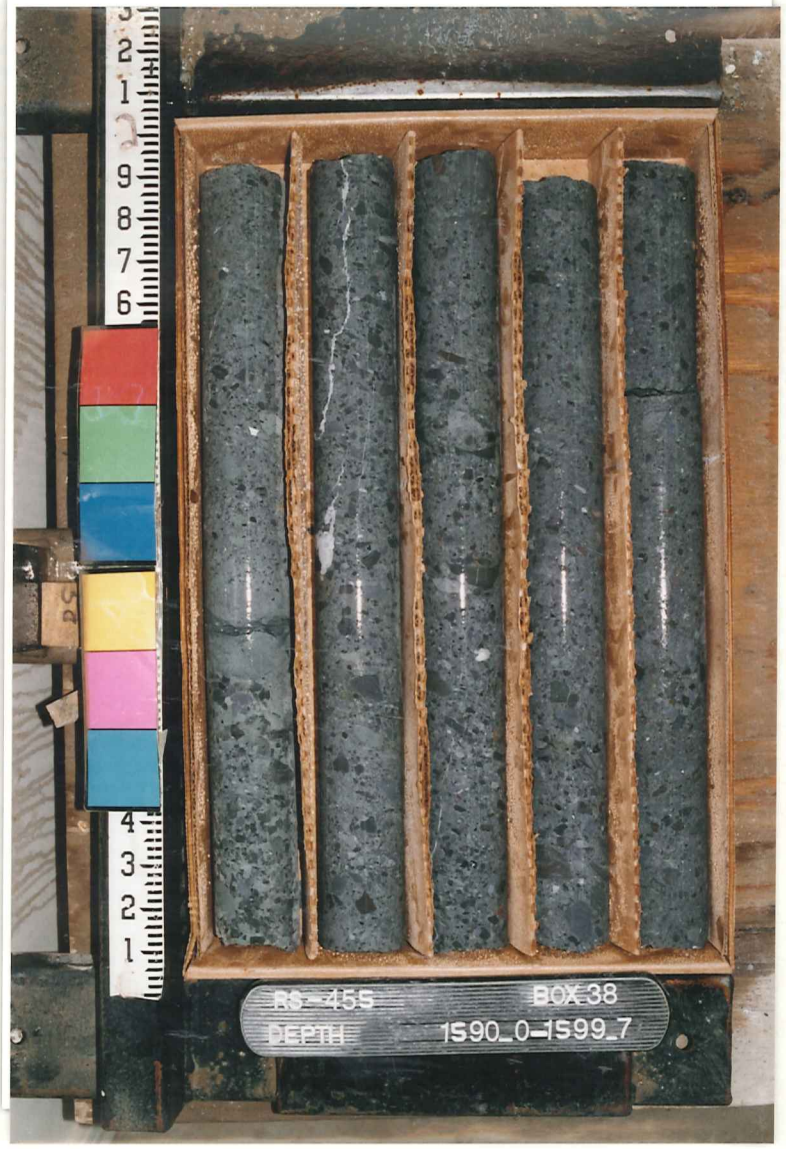
1550
RS-455
BOX 33
DEPTH
1544.5-1553.5


RS-455
BOX 34
DEPTH
1553_5-1563_0
1560

RS-455
BOX 35
DEPTH
1563_0-1572_0
1570

RS-455
BOX 36
DEPTH
1572_0-1581_0
1580

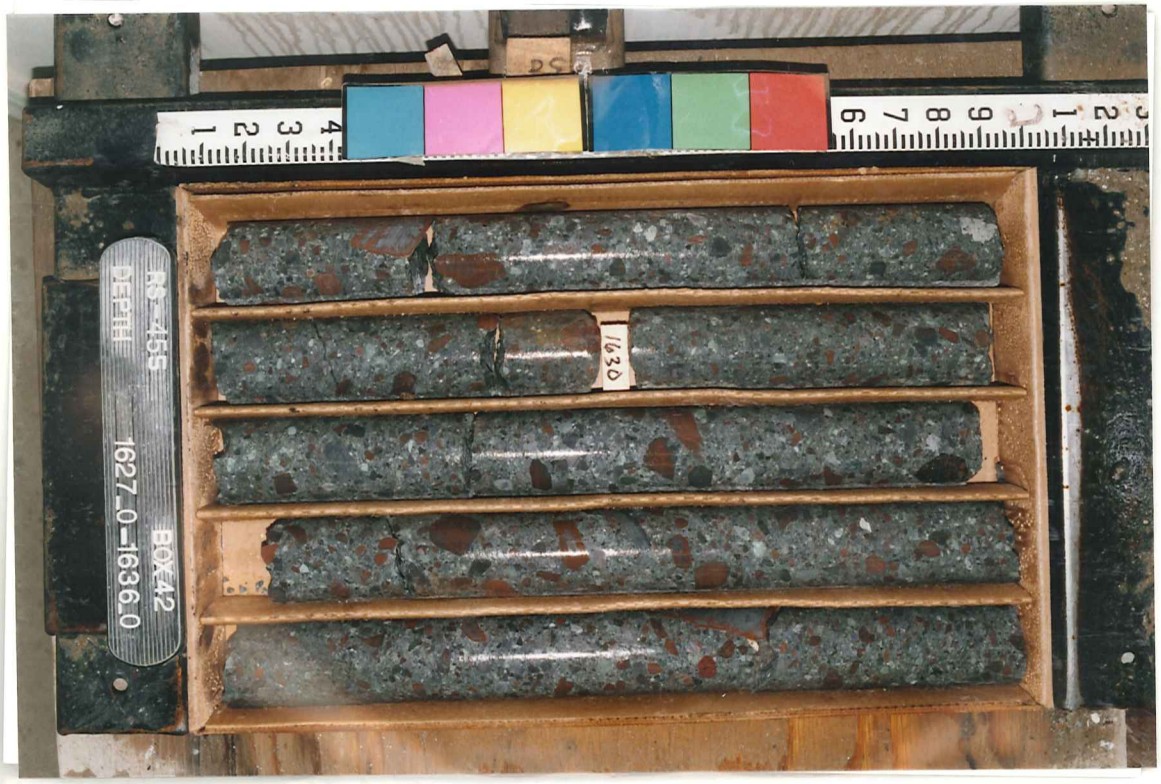

1590
RS-455
BOX 37
DEPTH
1581_0-1590_0

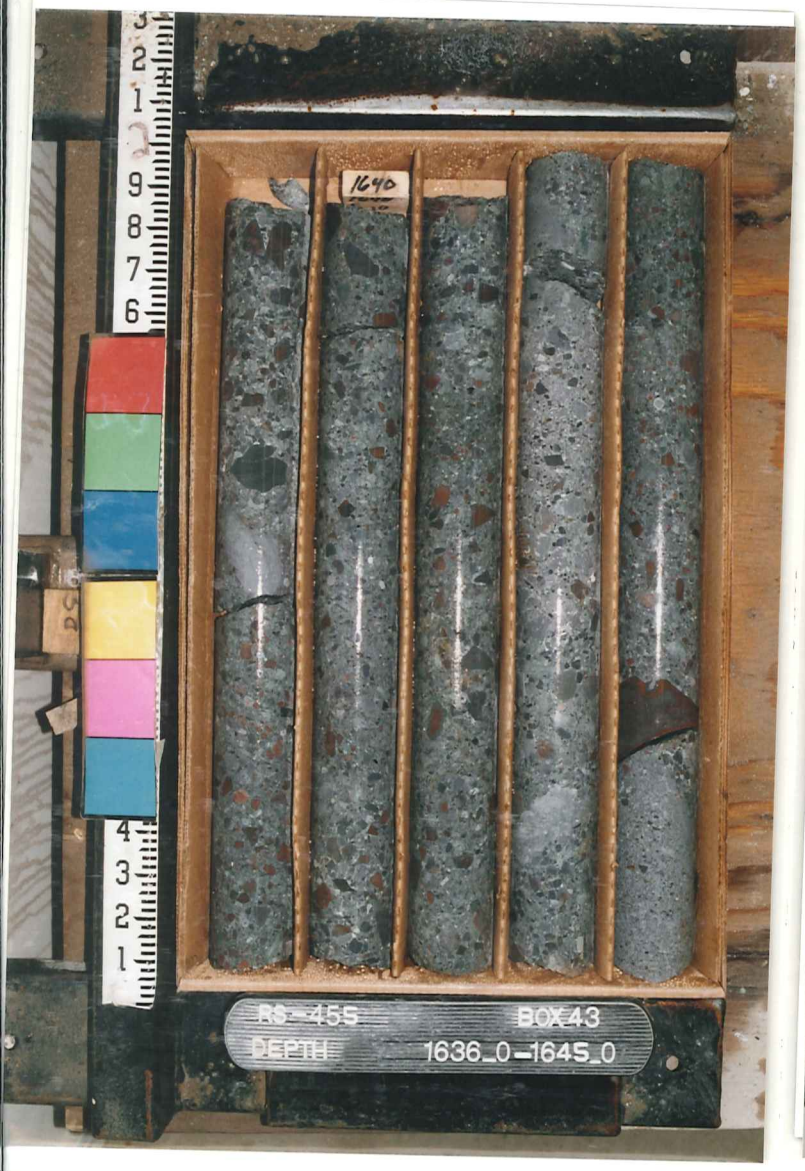

RS-455
BOX 38
DEPTH
1590_0-1599_7

1600
RS-455
BOX 39
DEPTH
1599_7-1609_0

1610
RS-455
BOX40
DEPTH
1609_0-1618_0

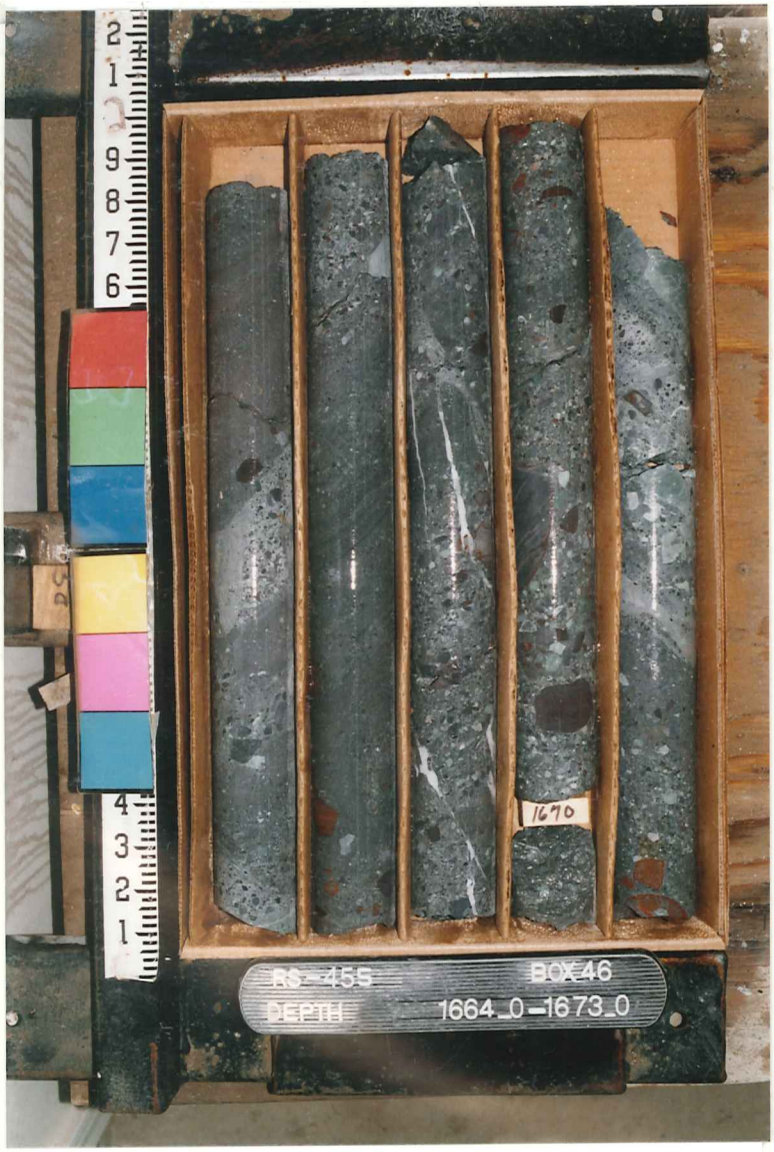
1620
RS-455
BOX41
DEPTH
1618_0-1627_0


1630
RS-455
BOX42
DEPTH
1627_0-1636_0


1640
RS-455
BOX43
DEPTH
1636_0-1645_0

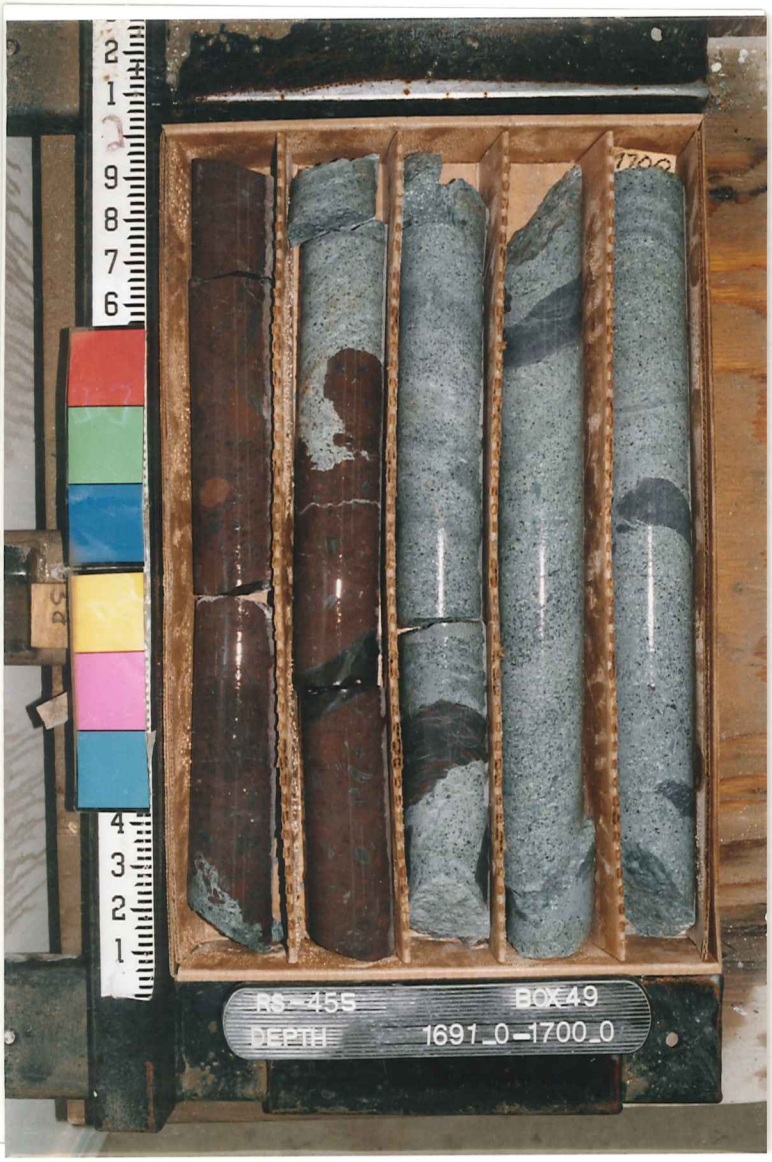
1650
RS-455
BOX44
DEPTH
1645_0-1655_0

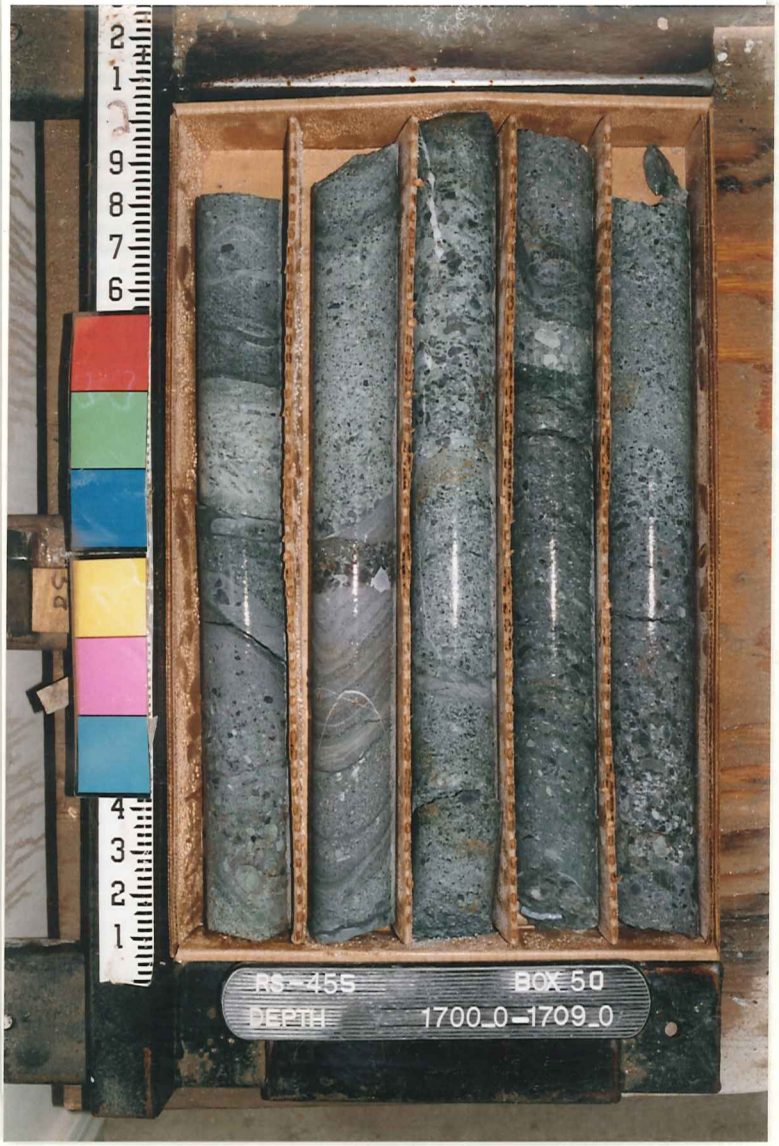
1660
RS-455
BOX45
DEPTH
1655_0-1664_0


RS-455
BOX46
DEPTH
1664_0-1673_0
1670

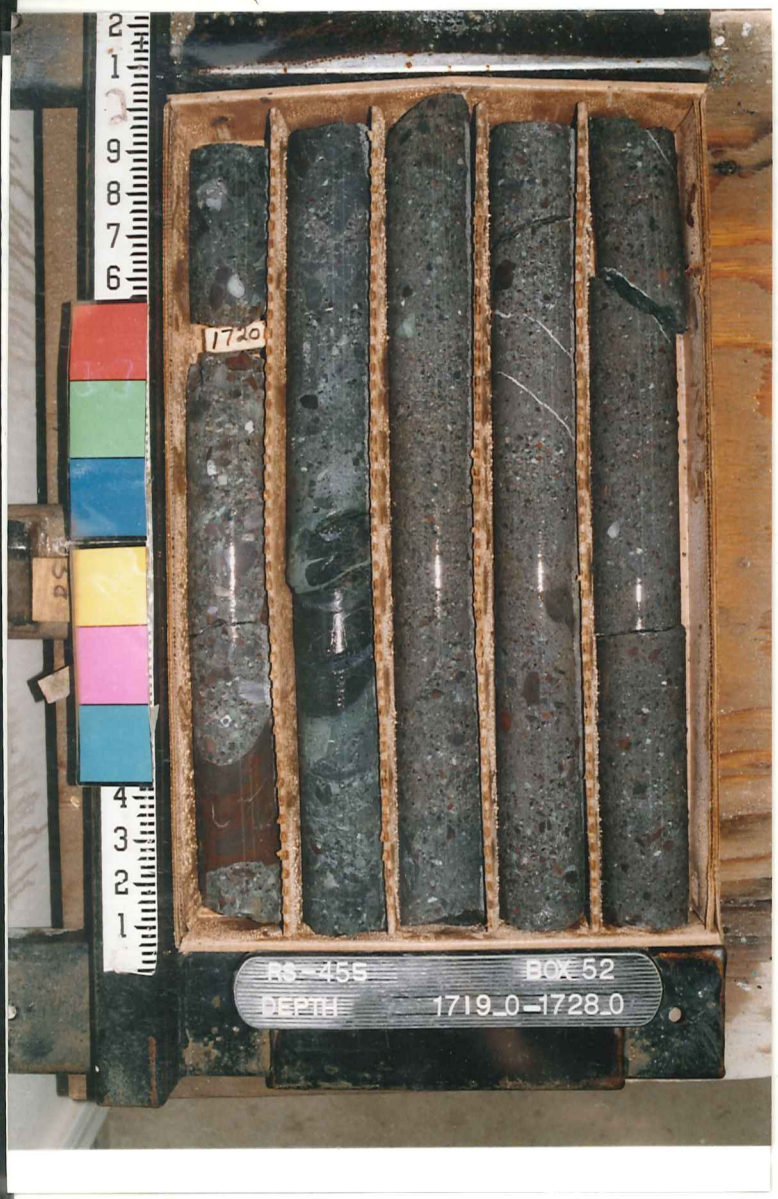
RS-455
BOX47
DEPTH
1673_0-1682_0
1680

RS-455
BOX48
DEPTH
1682_0-1691_0
1690


RS-455
BOX 49
DEPTH
1691_0-1700_0

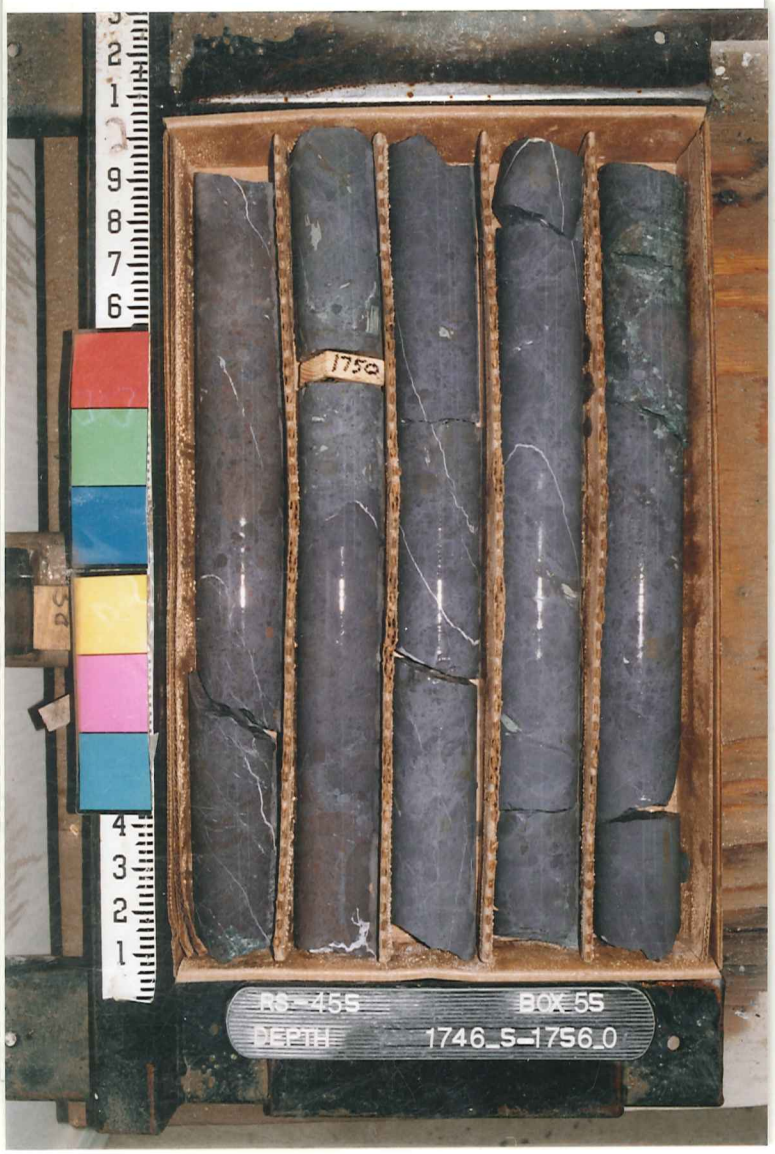

RS-455
BOX 50
DEPTH
1700_0-1709_0

RS-455
BOX 51
DEPTH
1709_0-1719_0


1720
RS-455
BOX 52
DEPTH
1719_0-1728_0

1730'
RS-455
BOX 53
DEPTH
1728_0-1737_5

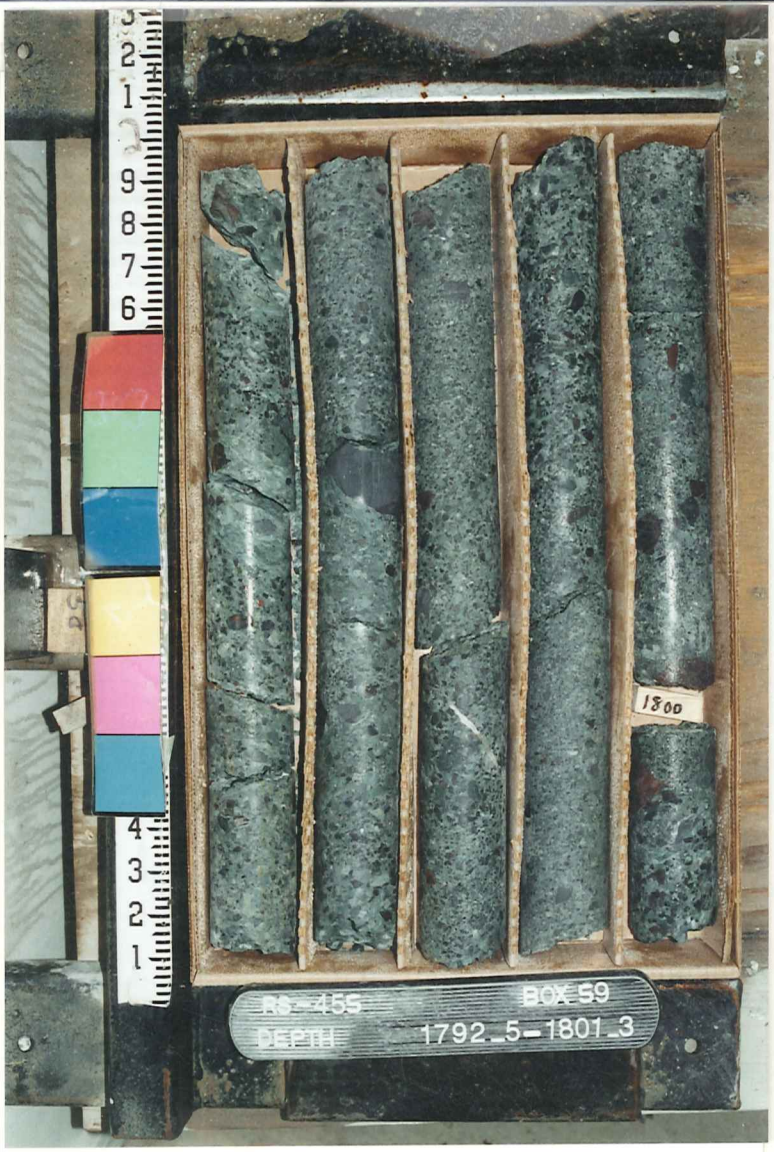
RS-455
BOX 54
DEPTH
1737_5-1746_5

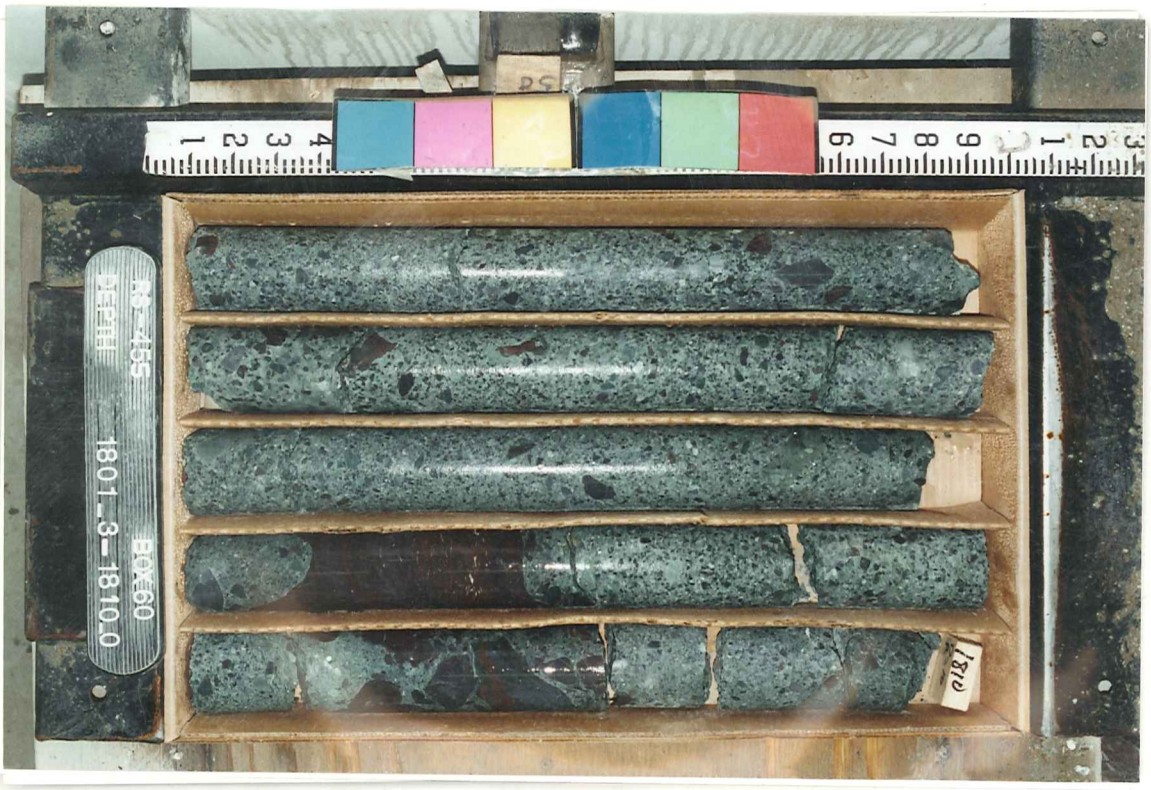

1750
RS-455
BOX 55
DEPTH
1746_5-1756_0

1760
RS-455
BOX 56
DEPTH
1756_0-1765_0

1780'
RS-455
BOX 57
DEPTH
1774_5-1783_0

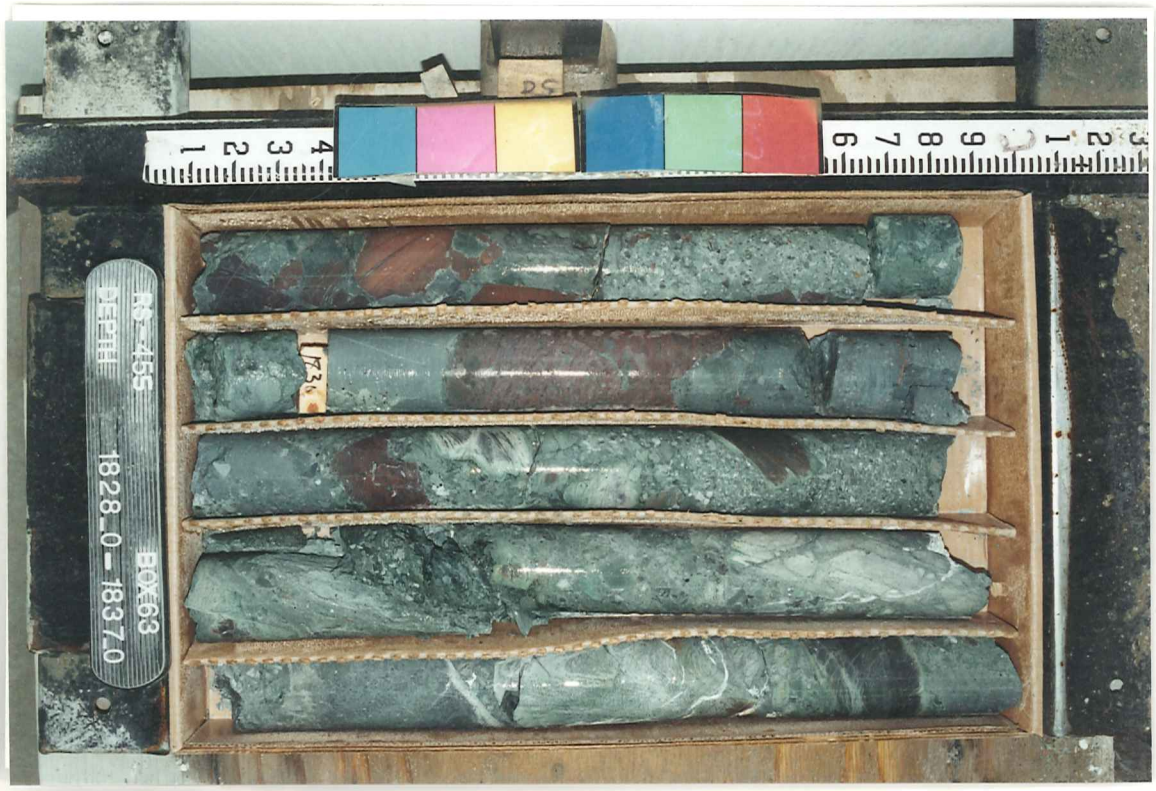
1790
RS-455
BOX 58
DEPTH
1783_0-1792_5


1800
RS-455
BOX 59
DEPTH
1792_5-1801_3


1810
RS-455
BOX 60
DEPTH
1801_3-1810_0

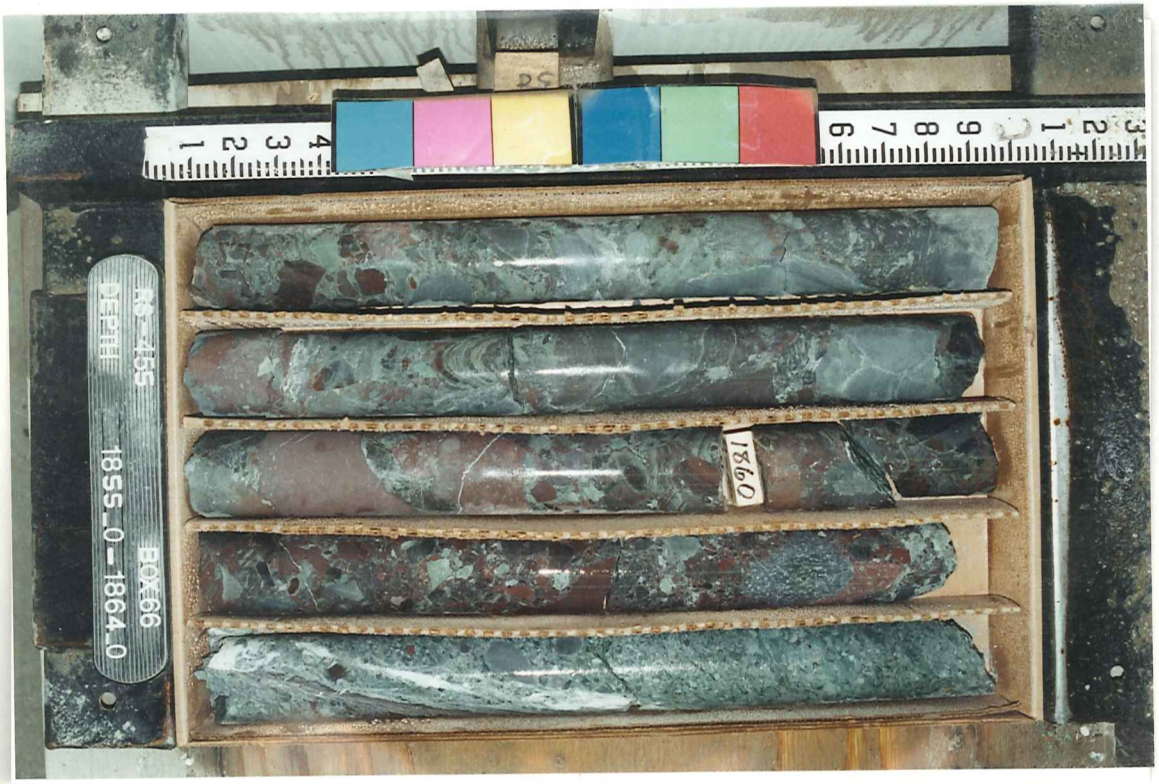
RS-455
BOX61
DEPTH 1810_0 - 1819_0

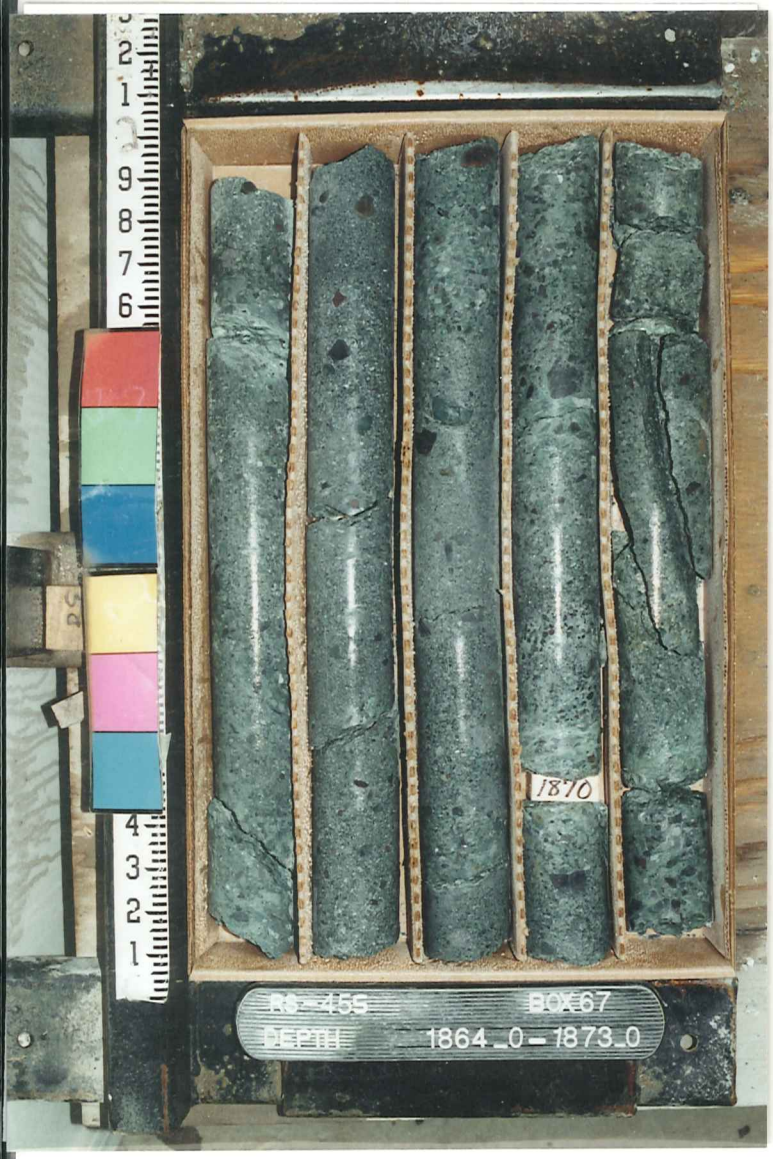
1820
RS-455
BOX62
DEPTH 1819_0 - 1828_0


RS-455
BOX63
DEPTH 1828_0 - 1837_0

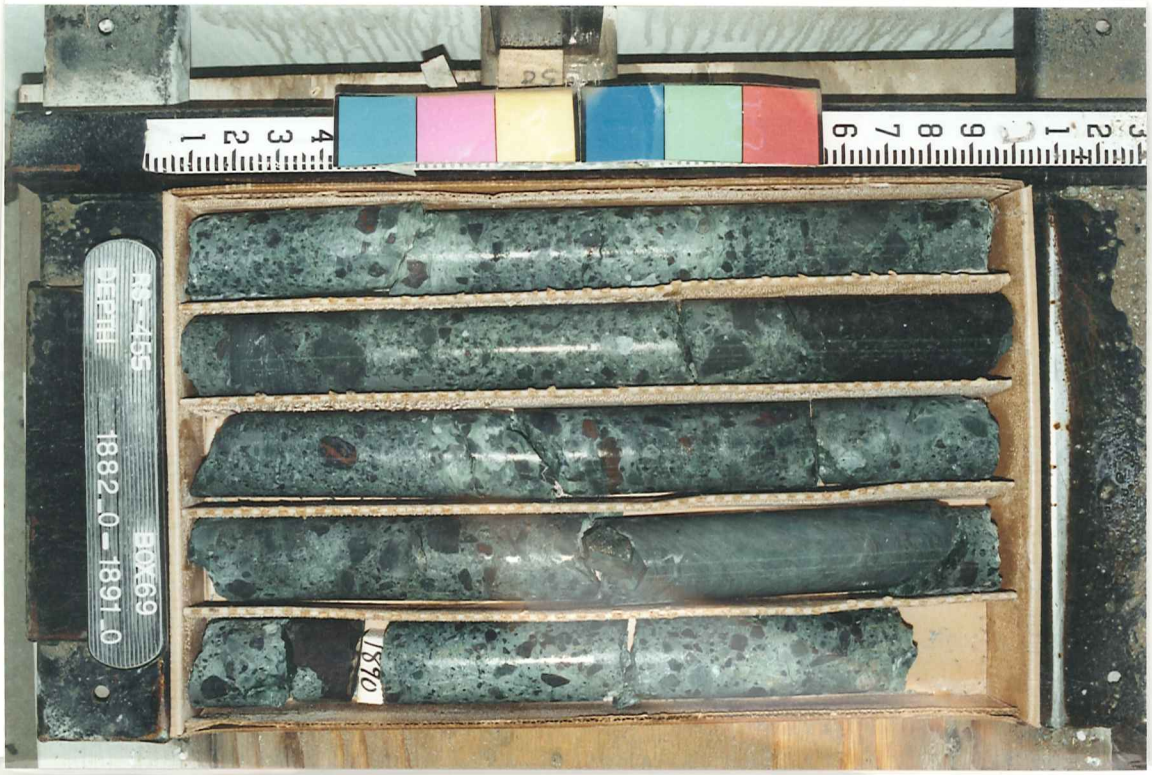
1840
RS-455
BOX 64
DEPTH 1837_0-1846_0

1850
RS-455
BOX 65
DEPTH 1846_0-1855_0


1860
RS-455
BOX 66
DEPTH 1855_0-1864_0


RS-455
BOX 67
DEPTH 1864_0 - 1873_0
1870

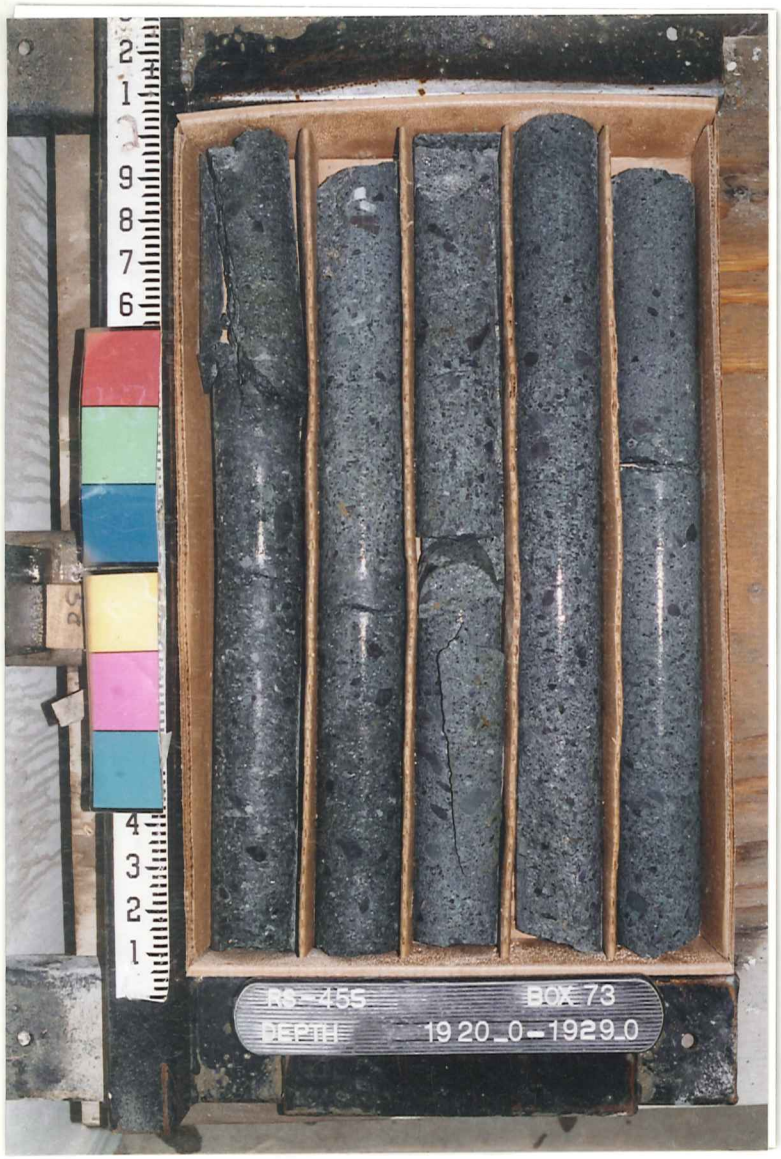
RS-455
BOX 68
DEPTH 1873_0 - 1882_0
1880

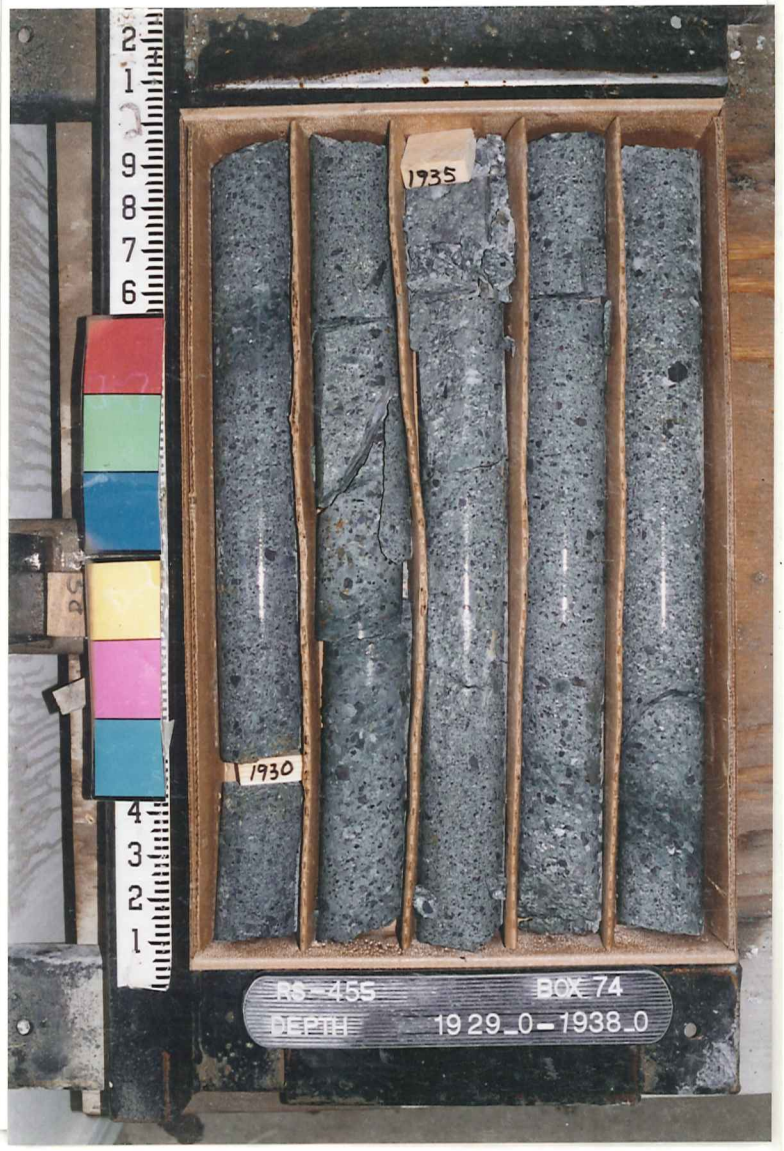

RS-455
BOX 69
DEPTH 1882_0 - 1891_0
1890

RS-455
BOX 70
DEPTH 1891_0-1900_5
1900

RS-455
BOX 71
DEPTH 1900_5-1911_0
1910

RS-455
BOX 72
DEPTH 1911_5-1920_0
1920


RS-455
BOX 73
DEPTH
1920_0-1929_0


1935
1930
RS-455
BOX 74
DEPTH
1929_0-1938_0

RS-455
BOX 75
DEPTH
1938_0-1948_0

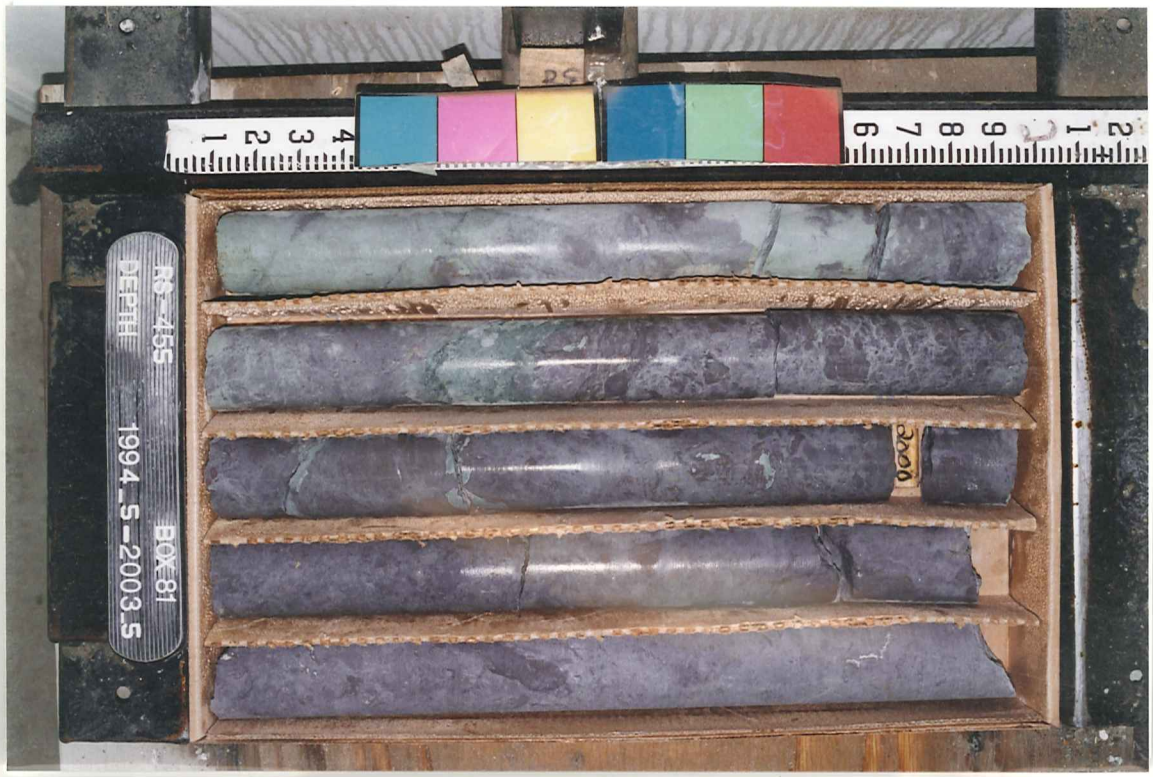
1950
1951.7
RS-455
BOX 76
DEPTH
1948_0-1957_7

1960.7
RS-455
BOX 77
DEPTH
1957_7-1967_0

1970
RS-455
BOX 78
DEPTH
1967_0-1976_0

1985
1980
RS-45S
BOX 79
DEPTH
1976_0-1985_0

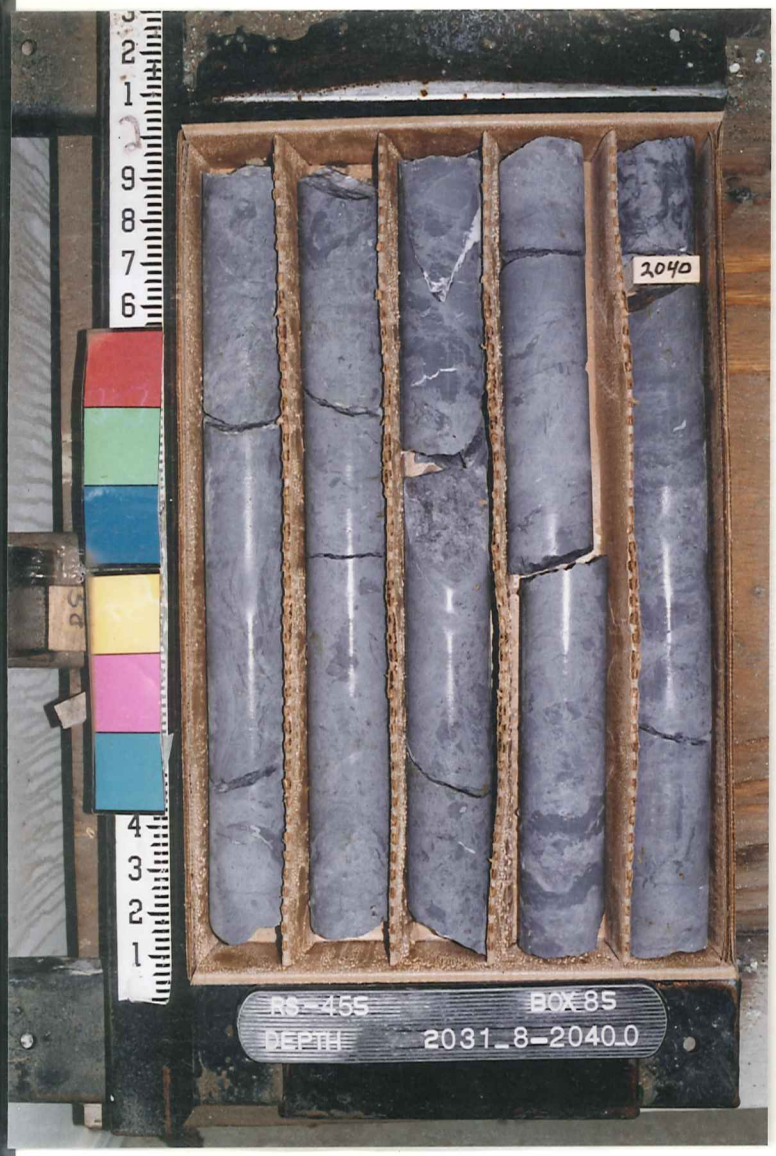
1990
RS-45S
BOX 80
DEPTH
1985_0-1994_5


2000
RS-45S
BOX 81
DEPTH
1994_5-2003_5

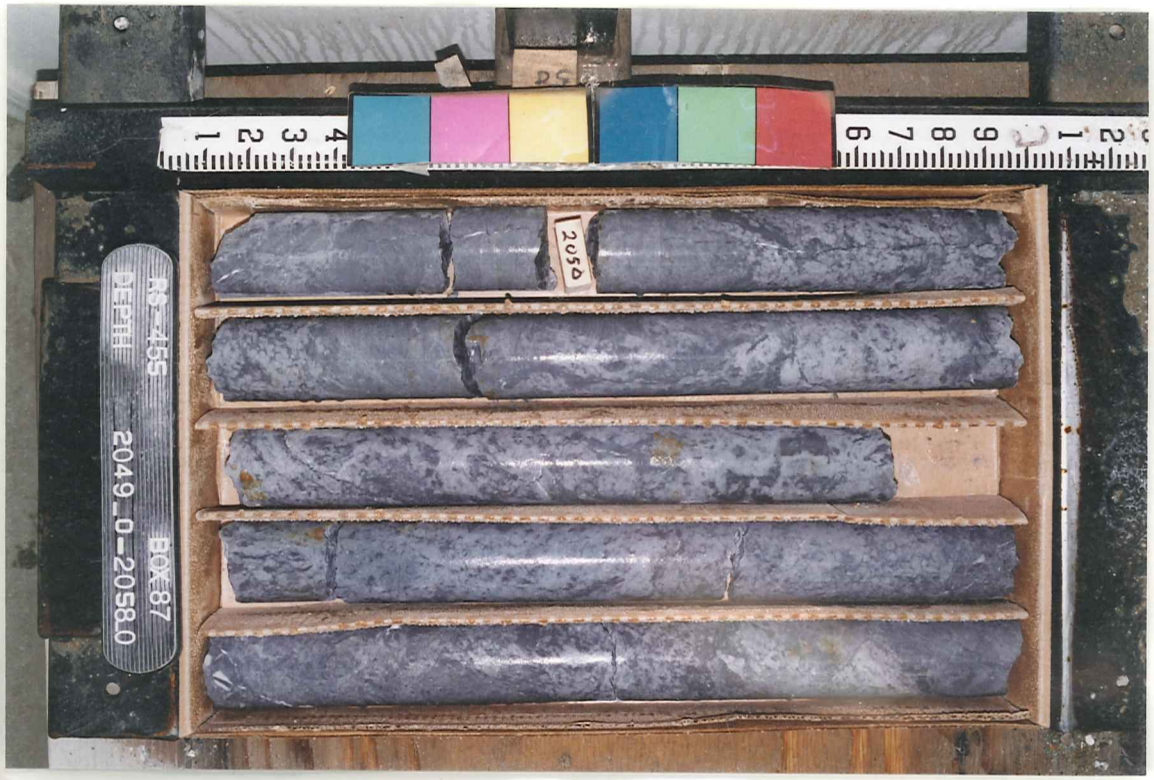
RS-455
BOX 82
DEPTH 2003_5-2013_0
2010

RS-455
BOX 83
DEPTH 2013_0-2021_8
2020

RS-455
BOX 84
DEPTH 2021_8-2031_0
2030


2040
RS-45S
BOX 85
DEPTH
2031_8-2040.0

RS-45S
BOX 86
DEPTH
2040_0-2049.0


2050
RS-45S
BOX 87
DEPTH
2049_0-2058.0

098 12 406 2912 N N N N 2

098 10 406 2912 N N N N 2