DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	EPITAPH DOL.			40 20 55 45																		LIMESTONE: (CONT.) As Above, bleached in part.					
950																												
					30		/																					
955					40																							
	100						/																					
					70			//															argillation disappears.					
960																												
					25																							
					35																		Rock becoming pink & green in color					
965	100				50																							
					50																							
970																												
					55																							
					35																							
975	100																											
					0 15 20																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mass)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
985	100	EPITAPH DOL.			45, 70, 65, 30																		LIMESTONE: As Above. (cont.). Sandy in part (Arkosic?)					
990																												
995	100				15, 0, 15, 35																							
1000	100				30, 0, 15																							
1005	100			20	10, 10, 0																		FAULT / GOUGE.					
1010	100				15, 90, 0, 90, 85, 70, 15, 25, 50, 70, 70																		ARKOSE: Evenly fine grained; Reddish brown → brown grey in color; fractured; fractures have been argillized & some are Fe stained; chlorite along fractures & throughout rock; Qtz. veining; v. minor MnOx dendrites.					

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1020	100	EPITAPH DOL.			70, 45, 50, 40, 30, 35, 90, 70, 40																		ARKOSE: (CONT.) As Above; Epidote-chlorite disappears, except as veining					
1025	100				50, 50, 75																							
1030					85, 30, 40, 45, 50																							
1035	100																											
1040					Broken up to measure →																		Argillation occurs w/ fault gouge.					
1045																							FAULT ZONE.					

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mass)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	EPITAPH DOL.			50																		MUDSTONE — SILTSTONE:					
	100				40																							
					40																							
					75																							
1055					50																		QTZ VEIN: NEAR VERTICAL structure (0 ~ 5°) ≈ 3" wide.					
					30																							
					35																							
					30																							
					45																							
1060					60																		LIMESTONE: Massive, pink → Lt grey in color; Sheared; Argillized; minor chlorite assoc. w/ fractures.					
	100				90																							
					90																							
					35																							
					60																							
1065					50																							
					45																							
																							ARKOSIC - SILTSTONE: fine grained, Lt brown → dk brown in color.					
1070	100																											
					45																		LIMESTONE: As Above					
					50																							
					60																							
1075																							SILTSTONE. As Above.					
					55																							
					40																							
1080	100				30																							
					30																							
					40																							

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1090	100	EPITAPH DOL.																						SILTSTONE: (CONT.) As Above Argillite & Chlorite ≈ "chinese tale"; mostly gouge.					
																								LIMESTONE: partially argillized; pink in color 0~10° shears; slickensides @ 0° termin. in gouge.					
1095																								LIMESTONE BRECCIA: 795% argillized; Some fragments remain, they to have been argillized. No Mineralization; May have been slightly arkosic.					
1100	100																												
1105						30 75																		LIMESTONE: STRONGLY CHLORITE - Epidote altered; Lime-green in color, does react w/ HCl acid, weakly argillized in part.					
1110	100					45 50 65																		ARKOSE: V. fine grained, lt SILTY; dk green in color, fractures are filled w/ argillite; occasional Fe-Stained; mildly hornfelsed.					
1115						60 45																							
				40																				SANDY SILTSTONE: Lt green → dk green in color; occasionally bedded, mildly hornfelsed.					

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mass)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	EPITAPH DOL			45																		SANDY SILTSTONE: (CONT.) As Above.					
					50																							
					15																		SILTY ARKOSE: v. fine grained → SILTY; dk green in color; high angle (≈ 0°) shears from 1123' → 1128'; fractures filled w/ argillite; mildly hornfelsed.					
1125					0																							
	100				5																							
					0																							
1130					10																							
	100				0																							
					5																							
1135					5																							
					0																							
					10																							
1140	100				0																							
					15																							
					20																							
					0																							
					5																							
					15																							
1145					5																							
					15																							
					10																							
					60																							
					5																							
1150	100				0																							
					10																							
					55																		ARKOSE: fine grained, dk green → greenish brown in color;					
					0																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	DEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1160	100	EPITAPH DOL.			90, 60, 40																		ARKOSE: (CONT.). As Above.					
1165	100				20, 10, 15, 5																							
1170					15, 15																		SANDY-SILTSTONE: Lt green → dk brown in color; alternating bands of Sandy SILTSTONE & ARKOSE.					
				10		Fault gouge																						
1175	100				15, 10, 5																		SILTY-LIMESTONE: massive- to v. finely bedded; Lt grey → Lt green in color; argillaceous in part. v. minor MnOx dendrites along fractures; "chinese-tale".					
1180					25, 10, 0, 0																							
1185	100				15, 25, 55, 70, 15, 0																		sandy-SILTSTONE: As Above.					

ASSAY DATA page: 34

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
					0																		SANDY-SILTSTONE. (CONT.) As Above.					
					5																							
	0				0																							
	10				15																							
					90																							
1195		EPITAPH DOL			45																							
					70																							
1200	0				0																							
	0				5																							
					15																							
					55																							
1205					70																		ARKOSE: fine → v. fine grained; dk brown → pinkish red in color; Fe-stained in places; mod. fractured; argillite collected along fractures. v. minor MnOx dendrites; 1/2" → 2" wide Qtz veining; brecciated in places.					
					85																							
					90																							
	0				85																							
1210	0				0																							
					5																							
					0																							
					0																							
					10																							
					15																		Starting @ 1225' ARKOSE becomes strongly calcite cemented.					
1215					25																							
					0																							
					15																							
					10																							
					10																							
					5																			.14	oz 4.74	% .07	% .19	% .16
1220	0																							.01	oz 2.30	98	1060	498
	10																							.01	5.82	% .01	% .06	% .13
																								.07	oz 1.96	% .01	% .06	% .19

DRILL HOLE: T-4

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					30																		ARKOSE. As Above.					
					60																							
1230	100	EPITAPH			55																		< 2%					
1235				60	0																		Bedding angle @ 60 is Questionable(?)					
					60																							
1240	100				65																		CONTACT OF BISBEE ↑ COLINA ↓					
					70																		LIMESTONE: massive; Mod. Recrtlzd; Lt grey to white in color, Stylolites in places.					
		COLINA LS			65																							
1245					70																							
					90																							
	100				25																							
1250					35																							
					45																							
					40																							
1255					90																							
					50																							

DRILL HOLE: T-4

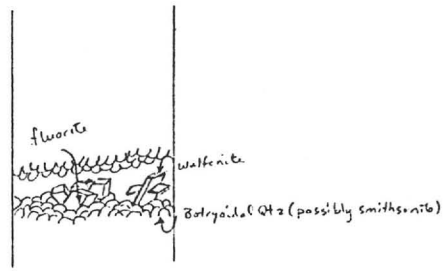
FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	COLINA LS			90		/																LIMESTONE: (CONT.) As Above. Lt grey in color, becoming Lt green → dk when assoc. w/ chlorite-epidote alteration; No observable bedding; Occasional Stylolites.					
1260					20																							
					10																		REDUCED TO NX @ 1263'					
					15																							
1265	100																						chlorite-epidote is associated w/ high angle structures of 0° → 15°					
1270					45		/																					
					5																							
					0																							
					10																							
1275					0																							
	100				50		/																					
					0																							
					0																							
1280																												
					45		/																					
1285																												
	100				45		/																					
					0																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mass)
1295	100	COLINA LS			10, 15, 25, 55, 50																	
1300					45																	
1305	100				30, 15, 55																	
1310					50, 50, 45																	
1315	100				50, 70, 55																	
1320					15, 5, 20, 15, 0, 5, 55, 50																	

DESCRIPTION

LIMESTONE: (CONT.) As above, except chlorite-epidote alteration discontinues @ 1304'



MINERALIZED ZONE: possibly primary Pb-sulfides; SECONDARY Pb-minerals: Wulfenite @ 1321.5' Fluorite; Qtz; minor calcite; possibly mimetite & smithsonite. Heavy Fe-staining suggests once pyrite mineralization. <<2%

ASSAY DATA page: 38

Au	Ag	Cu	Pb	Zn
.03	5.45	1000	2000	1000
.03	16.90	% .02	% .21	% .15
.01	7.20	AA	920	924

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
																								.11	oz 32.33	% .09	% 1.27	% 1.60
																								NO	6.51	18	210	441
	100	COLINA LS			0																							
					5		/																					
					90																							
1330																												
	100				15																							
					20																							
					40																							
1335					30																							
																							Rock is pink in color 2" on either side (Mn-staining)					
1340	100				25																							
					45																							
1345					30																							
					40																							
1350	100				80																							
					0		/																					
					15																							
					5																							
1355					0		/																					
					5																							
					0																							
					15																							
					45																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	COLINA LS			40																		LIMESTONE: (CONT.) As Above.					
					70																							
1365					30																							
					45																							
	100																											
1370					40																							
					30																							
1375					0																							
					15																							
					10																							
					0																							
					0																							
1380	100				5																							
					5																							
					0																							
					0																							
1385					10																							
					20																							
	100																											
1390					10																							
					0																							
					35																							
					0																							
					5																							

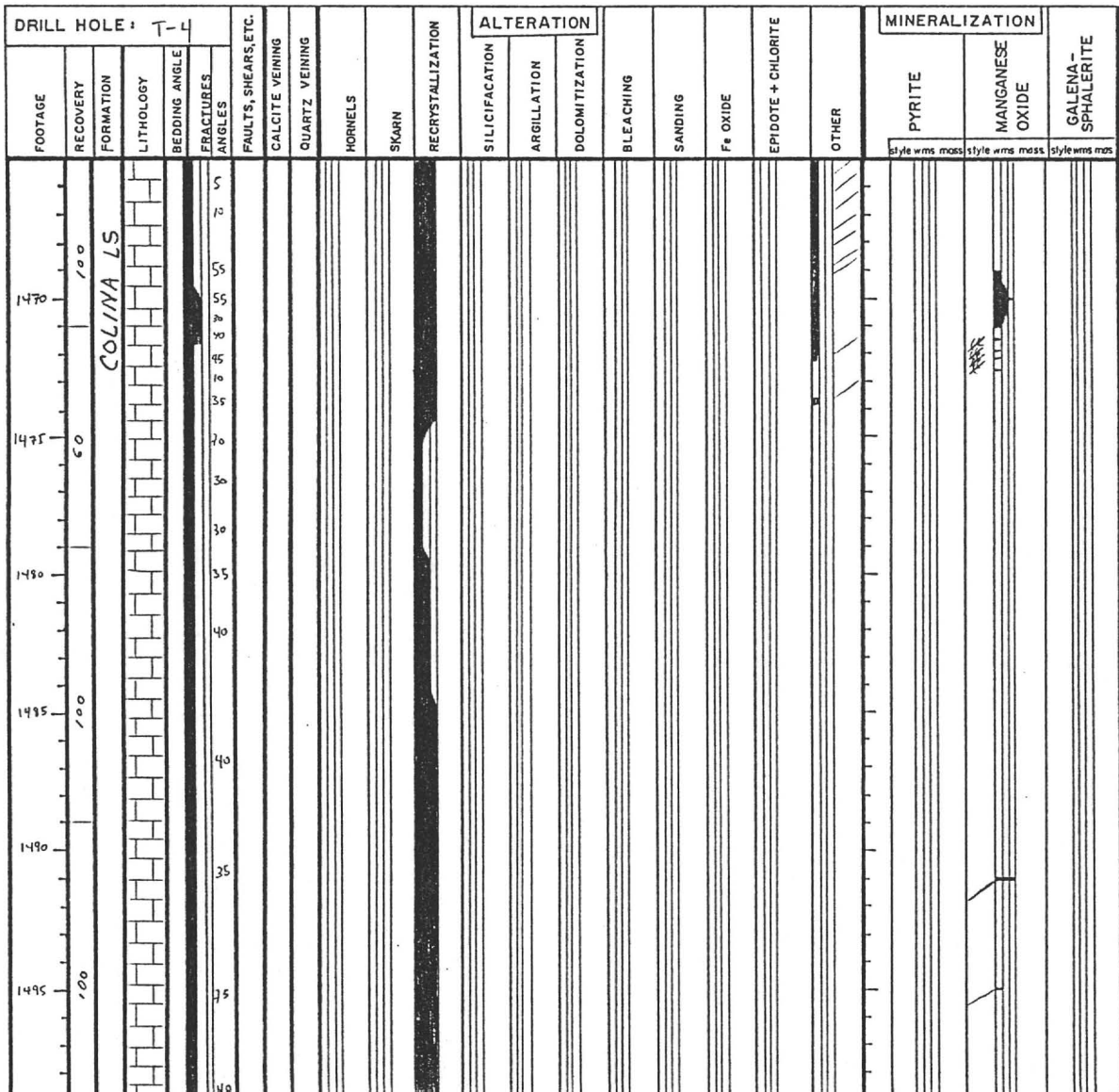
DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					90																		LIMESTONE: (CONT.) As Above; marble – 100% Recrystlzd.					
1400	100	COLINA LS			90																							
					0																							
1405					10																							
					15																							
					0																							
1410	100				15																							
					0																							
					5																		Vein is calcite filled: cubic-Rhomb. xtls.					
1415					15																							
					15																							
1420	100				15																							
					30																							
					50																							
1425					30																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mass)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	COLINA LS			10																		LIMESTONE: (CONT.) As Above; short interval of mildly rextlzd LS.					
1435					45																							
1440	100				15																							
1445																												
1450	100				20			//																				
1455					25			/																				
1460	100				25																		high angle fractures lined w/ fluorite (1/16" in size) SEE "OTHER"					
					5																							
					30																							
					5																							

DRILL HOLE: T-4



DESCRIPTION

LIMESTONE. (CONT.) As Above

fluorite is shown under "other".

MINERALIZED ZONE: Manganese oxide = semi-massive in part; associated minerals: fluorite, mimitite, wulfenite & possibly other Pb-oxide minerals; auricalcite(?)

[Some mineralized zone may have been lost due to 60% core recovery.]

manganese oxide; associated minerals: mimitite (?)

ASSAY DATA

Au	Ag	Cu	Pb	Zn
.07	13.23 oz	% .01	% 2.18	% .14
.07	2.84 oz	% .02	% 2.84	% .21
.03	2.98	% .01	% .69	% .11

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	CORNA LS			35																		LIMESTONE: (CONT.) AS ABOVE					
					25																							
					30																							
1505																												
	100				50																							
1510																												
1515																							Blackjack sphalerite & pale green sphalerite(?) assoc. w/20° Structure; <1%					
1520																												
1525																							dissem. MnOx ≃ 20%; Rock becoming salmon pink. Calcite vug: cubic ≃ 1" in size, very clear.					
1530																												

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	COLINA LS				0																		LIMESTONE: (CONT.) As Above					
						15																							
						10																							
						10																							
1540						85																							
						70																							
						0																							
						5																							
	100					5																							
1545						5																							
						15																		MnOx ≈ 10%					
						5																		Scheleratedral calcite @ 20° structure					
						30																							
						5																							
						20																							
1550						5																							
						0																							
						0																							
				40		5																							
						35																							
	100					35																							
1555						40																							
1560						0																							
						5																							
						5																							
	100					5																							
1565						45																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
		COLINA																										
					40																							
					25																							
1575	100																											
					15																							
					10																							
1580																							MnOx < 2%					
	100																											
1585																												
					40																							
					75																							
1590	100				80																		chlorite - Epidote alteraton throughout.					
1595																												
					0																							
1600					60																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1610	100	COLINA LS			70																		LIMESTONE (CONT.) As Above; occasional stylolites					
1615					65																							
1620	100				25																							
					20																							
1625																												
	100				65																							
					70																							
1630					15																							
					25																							
					15																							
1635	100				10																			ND	1.40	9	102	322
																								ND	1.31	9	1010	610
					15																		≈ 20%	.01	5.98	% .01	% .24	% .09

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
	100	COLINA LS			15																		LIMESTONE. (CONT.) AS ABOVE.					
					20																							
1645	100																											
					20																							
					0																							
1650	100																											
					5																							
																							semi-massive MnOx. Sandy-black, soft.	.03	1.65	38	382	260
1655					30																							
	100																											
1660																												
					30																							
1665																												
				40	15																		Remoment Bedding @ 1667'					
1670	100				15																							
					15																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					20																		LIMESTONE: (CONT.) As Above.					
1680	100	COLINA LS			90																							
					75																							
					70																							
1685					15																							
1690	100																											
					15																							
1695					20																							
1700	100																											
					15																							
1705																							MnO_x << 1%					
					40																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA (page: 50) Au	Ag	Cu	Pb	Zn
		COLINA LS				45																		LIMESTONE: (CONT.) As Above, decreasing Rextln.					
1715						90																		Massive MnOx; w/ associated calcite: habit is odd & effervesces slowly in HCl.	.07	1.58	5	76	98
1720						15																							
						0																							
						0																							
1725																								Fe - staining					
						0																							
1730																													
						40																							
1735																													
				45																									
						45																							
1740						45																			ND	2.47	9	1440	694
						0																							
						5																							
						45																							
						0																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1750	100	COLUMA			45																		LIMESTONE: (CONT.) As Above; except becoming dk green to black in color. becoming mildly silicified (Silicated) at 1753'.					
					50																							
					50																							
1755		EARP FM		45	55																		SHALE: Thinly bedded; v. lt green to greenish black in color (partially bleached); v. hard; epidote - chlorite spotting in places; minor diagenetic pyrite.					
					30																							
1760				55	80																							
1765					80																							
					65																							
1770				35	85																							
1775				46																			LIMESTONE: massive, occasionally bedded; lt grey to white in color; epidote - chlorite spotted in places, mod to strongly recrystlzd; occasional minor Black sphalerite & pyrite along					

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	CARP FM			50																		LIMESTONE: (CONT.) As Above.					
1785																												
					60																		Blackjack sphalerite; no amber sphalerite observed; also associated w/ Fe-pyrite.					
1790	100																											
					35																							
1795																												
					70																							
					70																							
	100																											
1800					65																							
					45																							
1805																												
					65																							
					40																							
	100				65																		LIMESTONE: becomes weakly argillized near underlying contact.					
1810					60																							
					25																		SILTSTONE: IRON Stained near contact, also mod. fractured near contact; decreasing fractures down section along w/ changing					
					15																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
		EARP FM			30																		SILTSTONE: (CONT.) As Above; w/ occasion epidote veins assoc. w/ pyrite.					
					40																							
1820	100				30																							
					30																							
1825					15																							
1830	90				0																							
1835					45																							
	90				50																							
1840																							Fault zone Fault gouge & Breccia					
1845					30																		LIMESTONE: massive, white to lt grey in color; mod-strongly recrystallized; (Possible repeat of section,) (Possibly Colina?)					
					50																							
					30																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	90	EARP FM			45																		LIMESTONE: (CONT.) As Above. occasional stylolites					
1855					40																							
					40																							
1860	100			45	45																							
					40																							
1865																												
					40																							
1870	100				35																							
					45																							
1875					40																							
				45																								
1880	100																											
					40																							
1885																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
					45																		LIMESTONE: (CONT.) As Above;					
1890	100	EARP FM			35																							
					5																							
1895					45																							
1900	100				60 60																		dissem. pyrite < 2%					
1905				15	40																							
1910	100			40	45																							
1915					45																							
				35	25 30 35																		Acicular Epidote - replaced in part by hematite pyrite < 2%	.21	.82	% .01	% .08	% .17

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
1920	100	EARP FM			20																		LIMESTONE: as above	.17	ND	%.01	%.37	%.42
																							— blk jack > ambrojack > pyrite > galena	.27	9.77	%.01	%.32	%.15
1925					20																							
					60																							
1930	100				40																							
1935					70																							
					0																							
	100				30																		— 1938.25' possible ghost of 1.5"					
																							% section rugose					
1940					40																							
	100																											
1945					30																							
	100																											
1950					20																							
	100				30																							
1955																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1955					40																		LIMESTONE: as above					
					90																							
1960	100	EARP FM			0																		— skarn of unknown mineralogy - almost has appearance of an igneous rock major min. is ¼" dia round w/ feathery edges; ov H pink - possibly garnet except some have apparent rectang. long sections					
					30																							
1965					40																							
	100			30																								
1970					60																							
					70																		— 1973' abund acicular clear minerals w/ random orientation, ID unk					
					50																							
1975					50																							
					40																							
1980					10																							
	100				25																							
					25																							
1985					35																							
					25																							
					0																							
1990					50																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	EARP		45	50, 30																		LIMESTONE: (CONT.) As Above.					
1995					35, 30																							
	100			35	35, 30, 50, 35, 30																		MUDSTONE - SILTSTONE: Thinly bed; Brick-red in color; upper portion heavily sheared, lower portion is fault gouge; Numerous calcite veins; heavy hematite staining. Shears trending @ 35° from core axis.					
2000																												
2005																												
	100				45, 40																		LIMESTONE: As Above; No mineralization					
2010																												
					45, 50																							
2015																							LIMESTONE. FINELY INTERBEDDED w/SHALE.					
	100				40																							
2020					40																							

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					45																		LIMESTONE: (CONT.) As Above					
	100	EMRP			60																							
2030					60																							
2035					20																							
	100				10																							
2040					0																							
					0																							
					5																							
2045					45																							
					40			/																			
2050	100																											
					60																							
					20																							
2055					5																							
					20			/																			

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100				15																		LIMESTONE: (CONT.) As Above; occasional stylolites. Lacking in mineralizat					
2065		CARP			10																							
	100				0																							
2070					5																							
					0																							
2075					0																							
					30																							
	100				10																							
2080					5																							
					5																							
2085																												
					5																							
	100				10																							
2090																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2100	100	EARP FM			10																		LIMESTONE: (CONT.) As Above; mineralization assoc. w/ stylolites.					
2105					25																							
2110	100				25																							
2115					45																		INTERBEDDED SHALY HORIZON; Chlorite-epidote altered.					
2120	100				40																							
2125					45																		SHALY INTERBEDDS.					

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100					60																		LIMESTONE: (CONT.) As Above; Stylolites discontinue @ 2163'.					
2135																													
	100	EARP																											
2140						55																							
						60																							
2145				4																									
	100					65																							
2150																													
						70																							
2155																													
	100					65																		LIMESTONE: Becoming lt grey in color.					
2160				4																									
						65																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	SARP			25																		LIMESTONE: (CONT.) As Above; Lt Rextln.					
					10																		bedding @ 40°; occasional					
2170																							stylolites.					
					5																							
					0																							
					5																							
2175					0																							
					0																							
					5																							
	100																											
					35																		Pyrite zone: xtls ≈ 1/16 → 1/4" in size.					
2180																							≈ 2%					
					70																							
2185					20																							
	100																											
					10																							
2190					25																							
					35																							
2195					45																							
					20																							

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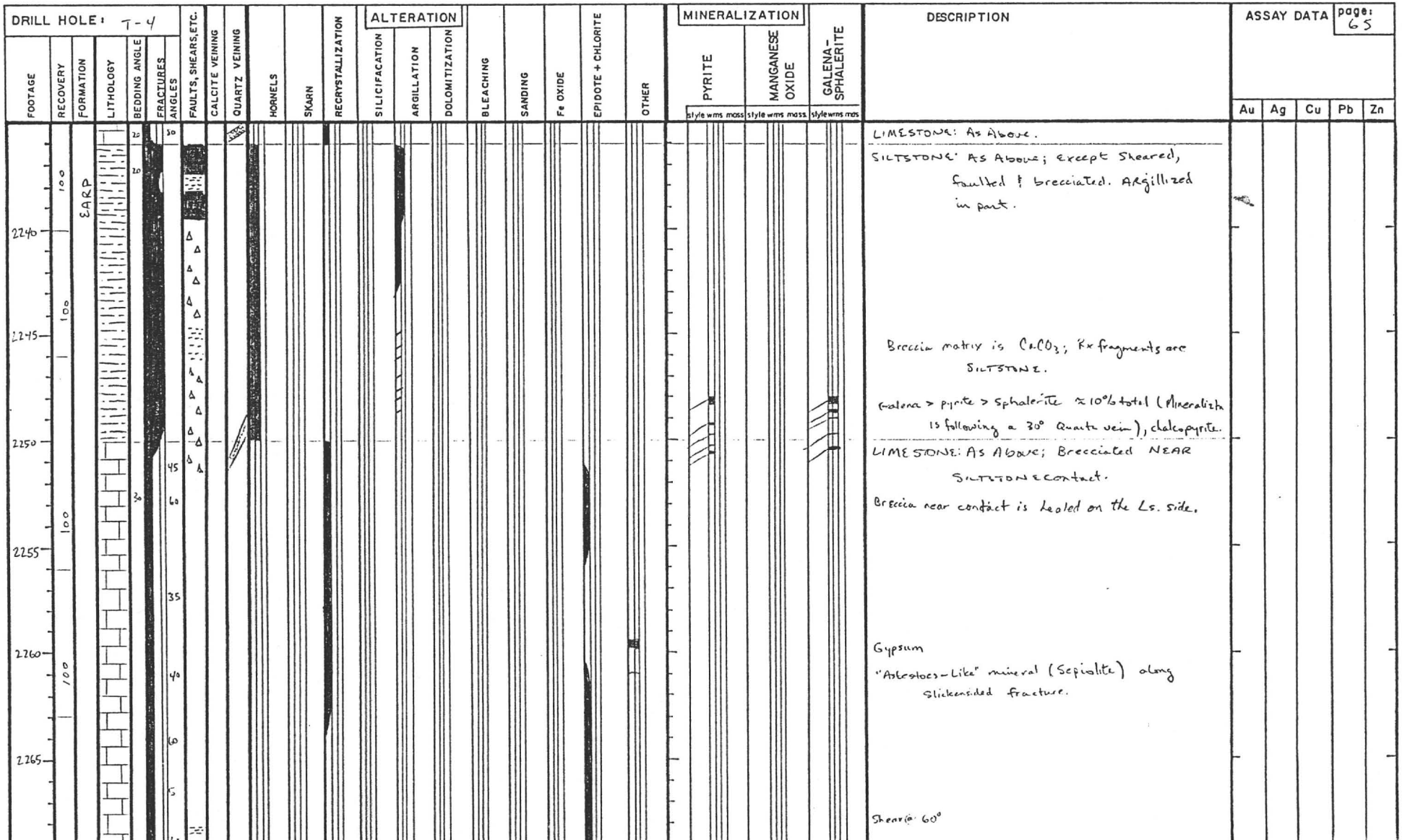
FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100				40																							
					25																							
2205	100	GARP			30																							
2210					30																							
					35																		SILTSTONE: dk grey to brown in color; thinly bedded; minor pyrite; hornfelsed.					
2215					35																							
	100				30																							
2220					60																							
					75																							
2225																												
	100				30																							
2230					0 5 5 0 6																							
					35																		Qtz vugs. ≈ 2" across.					

DRILL HOLE: T-4



DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER (Talc alteration)	PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2275	100	EHRP		20	35 20 15 10 5 5																		LIMESTONE: massive, lt grey-green in color becoming lt green → green in color w/ increasing talc alteration, starting @ 2274'; This zone also caused a caving problem. Minor gypsum associated w/ high talc alteration (see under "other"); v. minor Fe-pyrite.					
2280	100																						fault & shear zone, gouge is mostly talc fragments v. little argillite (<< 1%).					
2285					5 15 5																		LIMESTONE Becomes more xtln, turning back to lt grey green color; core becomes v solid.					
2290	100			10	5 5 0																							
2295					10																							
2300	100			20	20																							

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100				20																		LIMESTONE: (CONT.) As Above.					
2310		SAR2			25		/																					
					35		/																					
2315	100																						fossiliferous zone: crinoid stems					
					30																							
2320					0																							
				10	5																							
					0																		FLOURITE vug. @ 2324'					
2325	100																						FAULT ZONE: gouge & argillite					
					0 5 0 0 0 5 10 0																							
2330					0 5 20																							
																							BLACKJACK & AMBERJACK SPHALERITE.					
2335	100			5																			SILTSTONE: Lt green in color (bleached) Siliceous in part, v. hard; may have been calcareous at one time(?)					
				5																								

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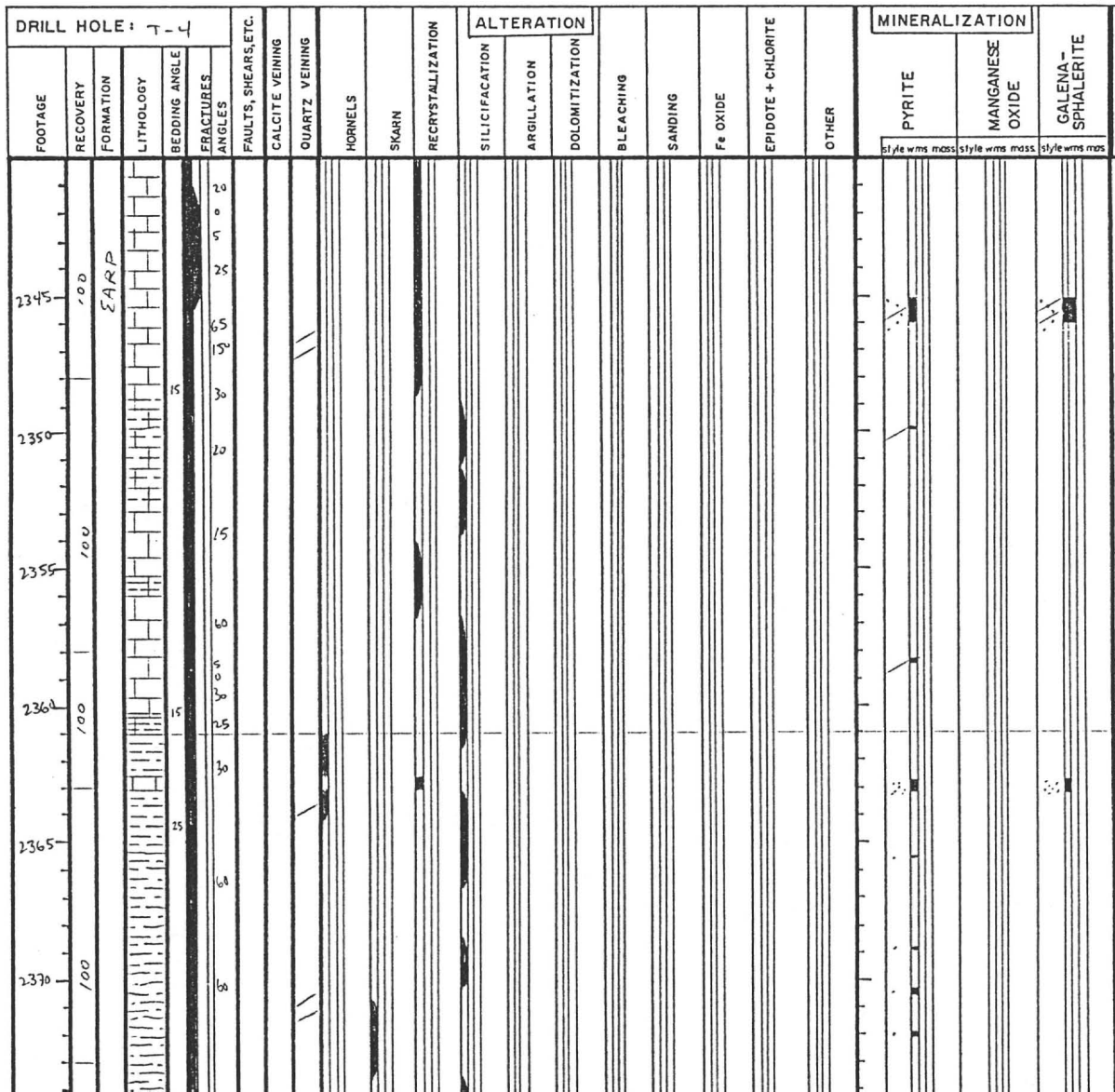
DRILL HOLE: T-4



DESCRIPTION

LIMESTONE: As above; except occasionally silty in part.

BLACKJACK ≃ AMBERJACK SPHALERITE: high angle structure @ 15°

"ZEBRA-ROCK" SIMILAR TO THE TYPE OF SILICIFIED LS. that occurs in the LEADVILLE MINING DISTRICT OF COLORADO.

CONTACT APPEARS GRADATIONAL.

CALCAREOUS SILTSTONE: Thinly bedded, Lt brown to green in color; cut by calcite veins; minor fracture controlled pyrite, occasional Ls. interbeds, assoc. mineralization occurs within these Ls. interbeds.

Blackjack Sph. ≈ Fe. pyrite > Amberjack sph. all ≈ 2%

Skarn: GARNETS ~ WOLLASTONITE (assoc. w/ calcareous nature of Siltstone).

ASSAY DATA

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Au	Ag	Cu	Pb	Zn
.08	oz .55	% .01	% .51	% 1.71
.01	3.12	16	38	102
ND	1.54	102	77	201
.04	oz .52	% .01	% .62	% .67
.05	oz .81	% .01	% 1.36	% .20
.09	oz .95	% .02	% .75	% .37
.02	oz .58	34	180	180

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
				35																			CHLAREOUS SILTSTONE (CONT.) As Above.					
					0																		LIMESTONE: As Above					
	100				5																							
2380		EARP			5																		BLACKJACK ≈ Amberjack > pyrite					
																							Amberjack is rimmed by blackjack					
2385					10																							
	100																											
					10																		≈10% BLACKJACK > Amberjack > pyrite.					
2390																												
					45																							
				35																			SILTSTONE: Thinly bedded; Slightly calcareous in part; lt grey to olive drab in color; calcareous zone have been lightly skarned (garnet-Wollastonite) occasional veinlets of chlorite; minor Fe-pyrite; v. hard core.					
2395	100				45																							
					60																							
2400	100				40																							
					45																							
2405					70																							
					60																							

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION
2415	100	EARP		35	70																		SILTSTONE: (CONT.) As Above.
					45																		
2420	100				40																		
2425																							- CALCITE VEIN: STRANGE FIBROUS STYLE. LIMESTONE: INTERBED - As Above. BLACKJACK ≈ Fe-pyrite > amberjack: ≈ 2%
2430	100				50																		
2435				30	45																		
					0 5																		
2440	100				50																		
2445				30	45 30																		

ASSAY DATA

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Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2450	100	SARP			40																		SILTSTONE: (CONT.) As Above.					
					50																							
					20																							
2455																												
					35																							
2460	100			40	40																							
					40																							
					20																							
2465					30																		LIMESTONE: massive; Lt-Rextlzd; mod - occasionally chlorite-epidote al; grey green to apple green in co; Reacts mildly to HCl (Through c); occasional coarse Calcite Vugs (≈ 1" wi; xtl size ≈ ½").					
					45																							
2470	100				20																							
2475					20																							
					20																							
					15																							

ASSAY DATA page: 71

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	EARP FM			10		/																LIMESTONE: (CONT.) As Above.					
2485																												
2490	100				30																							
					20																		Epidote-chlorite alteration disappears, Rock becomes strongly Recrtlzd & white in color (marble).					
2495																				/								
	100			40																								
2500					25															/								
							/																					
2505																				/								
	100																											
2510				40																								
							/																					
2515							/																					

ASSAY DATA page: 72

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA (Au, Ag, Cu, Pb, Zn)
		EARP FM				45																		LIMESTONE: (CONT.) As Above; increasing in skarn at 2522' & continuing until 2529', Garnets & Vessuvianite.	
2520						70																			
2525						70																			
						45																			
2530						40																		SILTSTONE/SHALE: Thinly bedded mod-strongly altered; SILTSTONE INTERBED @ 2532' - 2534' is altered to slate.	
2535						40																			
				40																					
2540						20																			
						35																			
2545						30																			
						40																			

ASSAY DATA page: 73

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA (page: 74) Au	Ag	Cu	Pb	Zn
	100	EARP		40		45																		SILTSTONE/SHALE: (CONT) As Above.					
						45																		Gypsum vein ≈ 1/2" across. assoc. talc component.					
2555						50																		LIMESTONE: As Above Pyrite <<1%					
2560	100			35		45																		SILTSTONE/SHALE: As Above					
2565						30																		Skarn: contains garnet, wollastonite & vessuvianite.					
						45																							
2570	100					50																		Gypsum vein ≈ 1/8"					
						90																							
2575						60																							
						30																							
2580	100					85																		LIMESTONE: As Above; except occasional shaly interbeds. Skarn: Wollastonite - garnets.					

DRILL HOLE: T-41

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					70																		LIMESTONE: (CONT.) As Above.					
2590	100	SARP		35	70																		SILTSTONE: Lt grey green to dk green in color; minor fracture controlled Fe-Pyrite; Hornfelsed; Epidote - Chlorite alteration throughout; v. ltly Silicified.					
2595					20																							
	100				20																							
2600					20																		LIMESTONE: As Above					
2605					45																		Skarn: Wollastonite, garnets					
					15																							
2610	100				20																							
					60																		SILTSTONE: As Above, Partially Silicified. v. hard.					
2615				35	35																							
					30																							
					70																							
					30																							

DRILL HOLE: 7-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	FARP			50																		LIMESTONE. (CONT.) As Above; becoming silty in part.					
					20																							
					30																							
2625				35	60																		SILTSTONE: As Above, except probably containing Ls. interbeds w/ assoc. skarning 3"-5" in total thickness.					
	100				0																							
					5																							
2630					10																							
					10																							
					10																							
					65																							
2635																												
					60																							
	100																											
2640				30	15																		LIMESTONE: As Above. xtl. size ≈ 1/4" ≈ 2%					
																							SILTSTONE: As Above.					
					15																							
2645				15																			<<1%					
					15																							
	100																											
2650					70																		LIMESTONE: As Above; except skarning mineralogy appears to be primarily vessuvianite.					
					65																							

DRILL HOLE: 7-4

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					25																		LIMESTONE: (CONT.) As Above.					
					10																		SILTSTONE: As Above.					
					20																							
2660	100	EARP			20																							
					15																		<< 2% pyrite					
					0																							
					5																							
2665					45																							
	100				50																							
					35																							
					30																		LIMESTONE: As Above; argillized along 0° shear.					
2670					0																		VESSUVIANITE SKARN.					
					25																							
					40																							
					0																							
					5																							
2675					35																							
					35																							
					45																		SILTSTONE: As Above.					
	100																											
2680					50																							
					0																		LIMESTONE: As Above					
					15																		VESSUVIANITE SKARN.					
					5																							
2685																							pyrite: v. finely dissem << 1%					
					15																							
					10																							
2690																												

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100																						SILTSTONE. As Above.					
					70																							
2695		SARP																										
	0																											
2700	100				45																							
					15																							
2705					15																							
					45																		LIMESTONE: As Above; except may have been slightly silty in part (occasional remanent bed & epidote - chlorite alt. ≃ 3" → 6")					
2710	100				75																		pyrite <<2%					
					40																							
					20																							
2715					30																							
					35																							
					25																							
2720	100				20																							
					45																		SILTSTONE: As Above; except less or No Silicification of Siltstone, Epidote-Chlorite alt. spotty.					

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mass)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn

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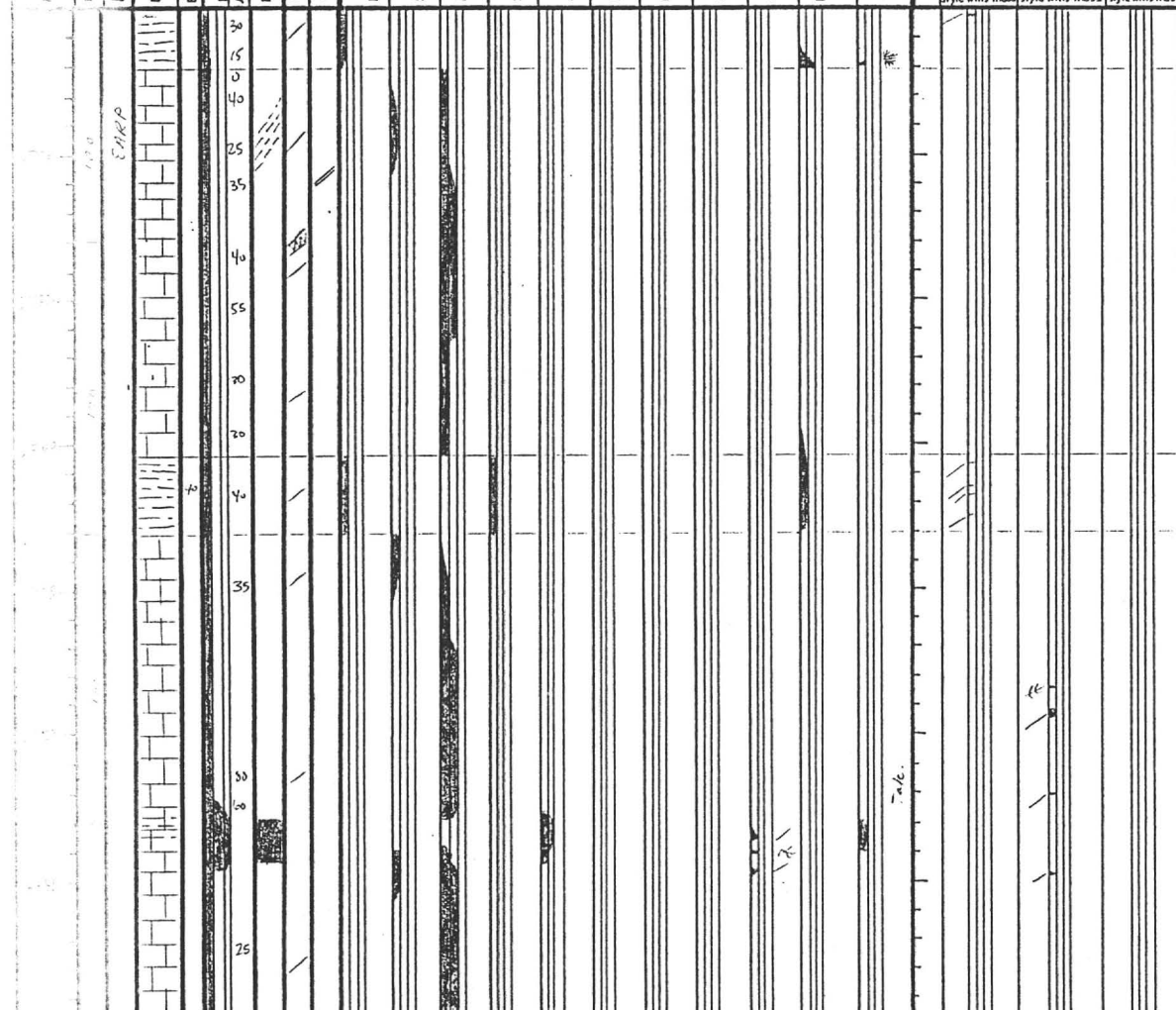


SILTSTONE: (CONT) As Above.
crystal clear FIBROUS mineral (?) Not calcite See below: Assoc. w/ chlorite along fracture vein.

LIMESTONE: As Above, except reducing in skarn intensity (still vessuvianite)

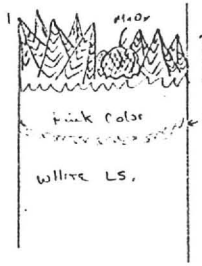
UNIDENTIFIED FIBROUS XTLS: X500

SILTSTONE: Bedded; lt green in color; minor pyrite; epidote-chlorite altered.

LIMESTONE: Massive; mod coarse Rextlzn. White in color (except where locally skarned); minor skarning near siltstone contact & below fault zone; occasional MnOx blebs & dendrites.

fault zone: ARGILLIZED & talc alt. fragments, minor Fe-staining.
Skarning is mostly Vesuvianite.

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	EARP			40		/																LIMESTONE: As Above (cont.) Alt. by skarn; etc. has decreased to zero.					
					45		/																					
2765																												
	100				65																							
2770							/																					
					50		/																MnOx - species (?) soft - assoc. w/ calcite veg. Ls. Assoc. Salmon pink in color; Calcite xtls are butterscotch in color;					
					50																							
2775					75																							
					40		/																					
	100						/																					
2780					65																							
					70		/																					
2785																												
					40		/																					
	100				5																							
2790																												
					50		/																					

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2800	100	EARP			45		/														/		LIMESTONE: (CONT.) As Above.					
2805	100				65		/														/							
					20		/												Talc									
2810					20		/														/							
2815	100				40		/																					
2820					20																							
2825		No Core Recovery			70																		VOID — MAY BE A NATURAL CAVE SYSTEM BASE ON THE VUGGY NATURE OF THE LIMESTONE BELOW.					

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION
2835																								VOID - SEE PREVIOUS PAGE.
2840	80%	EARP				45, 60, 60, 5, 10, 5												Fe-Stained Calcite						LIMESTONE: CONT. As Above; Exceptionally VUGGY NEAR VOID; No observable bedding.
2845	75%																							?? FAULT ZONE: BRECCIA IS HEALED w/ calcite.
2850						70, 55, 40, 55														Pb-Oxides				MINERALIZATION ASSOC. w/ FAULT ZONE: 1 - Wolfunite; 2 - Mimetite; 3 - Anglesite (?); 4 - Cerusite; 5 - Hemimorphite (?) ~ all in minor amounts, See under "OTHER"; 6 - also a Spectacular form of Calcite ~ Brilliant yellow color.; 7. lacking in MnOx - (compare w/ other Pb-oxide ZONES OF THIS hole).
2855	100					60, 60, 35, 20																		
2860						25, 30, 20																		

ASSAY DATA page: 82

Au	Ag	Cu	Pb	Zn
.02	3.70	56	1220	>1000
.01	2.85	10	660	560
.07	2.67	% .01	% .17	% .25
.07	10.90	% .01	% .21	% .48
ND	3.43	36	1260	742
ND	4.79	61	1240	881
.02	3.08	% .02	% .45	% .40
.02	ND	% .02	% .25	% .46

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
																							LIMESTONE: (CONT.) AS ABOVE.					
	100				50		/																					
					30																							
2870		EPPH			50																							
							/																					
2875					45																							
	100																						Calcite vug: Fe-stained; calcite xtls ≈ ½" → 1" in size.					
					30																		GRADATIONAL Contact ↓ ↓					
2880																							SILTSTONE: BEDDED; Lt grey to Lt green in color; Hornfelsed; Chlorite-Epidote alt. is minor; minor pyrite.					
				40	35		/																					
					40																							
2885	100																											
							/																					
					50																							
2890																												
					20																							
					20																							
2895																												
	100				45		/																					
				40																								

DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
						40																		SILTSTONE: (CONT.) As Above.					
				40		30																		all pyrite probably diagenetic origin.					
2905	100	EARP				55																							
2910						20																							
						40																		LIMESTONE: MASSIVE; white in color; skarned at contact w/ SILTSTONE (above), marblized mostly - throughout; minor pyrite & B. Sphalerite, both dissem & fracture controlled all << 1%, occasional chalcopyrite.					
2915	100					60																							
						45																		Skarn is mostly garnets & assoc. w/ shaly intervals; some minor vesuvianite.					
2920																													
2925	100																												
																								B. Sphalerite	.16	oz 1.97	% .05	% 1.09	% 1.13
2930						50																		Galena ≥ Chalcopyrite > pyrite >> sphalerite.	.06	oz 0.77	% .17	% .78	% 1.02
																									.14	oz 2.05	% .33	% 1.52	% .72
																									.05	17.04	% .07	% .53	% .09
						40																		SILTSTONE: As Above, except lacking in Epidote - chlorite alteration,					

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DRILL HOLE: T-4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2940	100	EARP			35																		SILTSTONE: (CONT) As Above.					
					50																							
	100				60																							
					70																							
2945					75																							
2950	100				25																							
					30																		LIMESTONE: As Above, Except lacking in mineralization.					
2955					40																							
2960	100				55																		MnOx assoc. w/ vug.; yellow Calcite.					
					10																							
2965					30																							
					50																							

DRILL HOLE: T-4

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100				40		/																LIMESTONE: (Cont.) As Above					
2975		SARP			70																							
	100				40		/																					
2980					45																							
					50																							
2985																												
	100				30																		Skarn; Garnets, Vesuvianite					/
2990																												
					25		/																					
					90																							
2995																												
	100				70																							
					70																							
					45		/																					
3000																							T.D. 3000'					

SANTA FE MINING
D.D.H. T-5

SAMPLE	HOLE	FROM	TO	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %
32687	T-4	1919.0	1920.0	1	35	770	1380	0.82	5	2	5822	0.93	36	5	0.21	1	1252	9	2	2	10	23.03	0.001	3	7	2.16	9	0.01	3	0.48	0.01
32688	T-4	1920.0	1921.0	3	60	3459	3509	ND	6	2	7900	1.64	35	5	0.17	1	388	23	12	2	16	13.20	0.002	4	12	2.26	10	0.01	15	0.28	0.01
32689	T-4	1921.0	1922.0	1	49	2878	1347	9.77	1	1	9958	1.37	73	5	-0.27	1	710	9	10	2	4	27.48	0.001	4	3	1.02	5	0.01	2	0.20	0.01
33900	T-4	2345.0	2346.0	3	141	4723	14196	10.93	13	6	1738	2.24	31	5	0.08	4	95	107	9	2	16	11.68	0.023	7	32	1.69	4	0.10	3	0.77	0.01
33894	T-4	2346.0	2347.0	2	26	45	95	3.12	23	6	1340	1.72	70	5	0.01	1	147	1	2	2	29	18.29	0.025	18	27	3.19	22	0.02	9	2.61	0.01
33895	T-4	2347.0	2348.0	1	105	61	202	1.54	26	7	1200	1.69	109	5	ND	1	249	2	5	2	35	16.52	0.024	17	32	2.81	32	0.04	9	2.48	0.01
33896	T-4	2348.0	2349.0	2	160	5582	5369	10.07	18	6	1122	1.90	38	5	0.24	1	699	43	6	2	25	11.49	0.022	11	32	1.41	91	0.03	5	1.36	0.01
33897	T-4	2349.0	2350.0	2	69	13081	1933	27.77	23	5	1333	2.10	55	5	0.05	1	383	15	14	2	26	16.19	0.019	13	27	2.36	66	0.02	2	1.72	0.01
33898	T-4	2350.0	2351.0	2	192	7025	3173	32.67	11	3	1744	1.56	22	5	0.09	1	979	27	6	2	13	19.79	0.013	12	15	1.16	115	0.01	2	0.74	0.01
33899	T-4	2351.0	2352.0	3	49	190	225	20.09	18	6	2168	2.23	21	5	0.02	1	157	3	2	2	20	20.00	0.039	16	28	1.43	12	0.01	5	1.05	0.01
33901	T-4	2844.0	2845.0	97	92	1258	1211	3.70	9	1	718	0.42	17	5	0.02	1	77	78	2	2	9	33.19	0.015	5	19	0.68	16	0.01	15	0.55	0.01
33902	T-4	2845.0	2846.0	56	35	696	644	2.85	5	1	365	0.38	14	5	0.01	1	270	29	2	2	6	35.52	0.006	2	10	1.40	11	0.01	5	0.25	0.01
33903	T-4	2846.0	2847.0	28	100	1705	2347	2.67	14	2	1277	0.66	34	5	0.07	1	69	93	15	2	10	31.45	0.011	4	15	0.73	11	0.01	2	0.58	0.01
33904	T-4	2847.0	2848.0	12	163	2085	4024	10.90	29	4	1719	1.05	34	5	0.07	1	67	58	14	2	17	19.23	0.022	6	27	1.10	28	0.01	4	1.30	0.01
33905	T-4	2848.0	2849.0	109	52	1243	686	3.43	4	1	958	0.55	65	5	ND	1	122	48	6	2	8	37.33	0.024	4	8	0.50	1	0.01	2	0.22	0.01
33906	T-4	2849.0	2850.0	58	73	1297	838	4.29	2	2	2297	0.35	33	5	ND	1	131	30	4	3	5	37.28	0.006	7	8	0.44	4	0.01	2	0.24	0.01
33907	T-4	2850.0	2851.0	75	220	4143	3364	3.08	20	4	1504	0.69	84	5	0.02	1	75	174	6	2	20	27.09	0.022	6	23	0.98	8	0.01	3	0.78	0.01
33908	T-4	2851.0	2852.0	91	210	2393	3848	ND	22	3	796	1.40	76	5	0.02	1	52	427	7	2	52	35.93	0.041	10	27	0.99	11	0.01	4	0.88	0.01
33909	T-4	2929.0	2930.0	2	418	10139	8073	68.02	7	2	1869	0.37	10	5	0.16	1	402	52	9	2	5	33.38	0.012	6	5	0.26	27	0.02	7	0.29	0.01
33910	T-4	2930.0	2931.0	9	1705	7494	8750	26.54	8	3	3444	1.20	16	5	0.06	1	71	55	5	2	14	20.58	0.055	6	14	0.48	4	0.05	6	0.52	0.01
33911	T-4	2931.0	2932.0	5	3127	14809	6202	70.59	12	8	761	1.48	8	5	0.14	2	71	42	14	12	12	7.93	0.055	7	21	0.14	3	0.05	42	0.10	0.01
33912	T-4	2932.0	2933.0	4	755	5239	8034	17.04	23	13	892	2.34	10	5	0.05	4	94	51	13	2	19	9.94	0.001	9	33	0.10	4	0.09	28	0.59	0.01
32626	T-5	984.0	985.0	3	39	199	332	2.98	10	2	2998	1.00	5	5	0.01	3	49	3	7	2	6	6.60	0.064	9	24	0.90	14	0.04	13	1.45	0.01
32627	T-5	985.0	986.0	1	34	184	468	5.38	12	1	7888	0.64	16	5	0.03	3	73	4	2	2	14	13.89	0.071	9	17	0.88	4	0.05	2	0.15	0.01
32628	T-5	986.0	987.0	3	32	33	40	154.80	7	1	6926	0.84	10	5	0.93	5	31	1	5	2	11	6.04	0.064	9	25	1.04	19	0.05	3	0.12	0.01
32629	T-5	987.0	988.0	5	49	131	504	410.27	13	1	5920	0.92	11	5	2.70	3	48	4	2	2	14	8.70	0.066	9	31	1.23	27	0.07	14	0.17	0.01
32630	T-5	988.0	989.0	3	259	492	1276	627.33	12	1	7011	0.88	12	5	4.02	3	53	11	3	4	15	10.21	0.064	12	30	1.74	35	0.07	17	0.23	0.01
32631	T-5	989.0	990.0	2	475	46	551	38.26	22	1	9867	1.15	33	5	0.75	3	79	4	178	2	20	12.31	0.062	14	42	2.35	63	0.01	6	0.57	0.01
32632	T-5	990.0	991.0	4	66	126	270	0.75	16	1	6111	1.20	7	5	0.01	4	50	2	2	2	10	8.37	0.068	13	36	1.22	30	0.05	10	0.87	0.01
32633	T-5	991.0	992.0	3	43	351	527	2.16	12	1	3967	1.26	6	5	0.24	3	48	12	7	5	4	8.29	0.104	11	27	0.28	3	0.05	4	0.36	0.01
32634	T-5	992.0	993.0	2	28	406	275	2.43	12	1	5093	0.85	30	5	ND	1	81	2	14	3	7	15.08	0.151	19	27	1.42	10	0.07	127	0.78	0.01
32635	T-5	993.0	994.0	2	17	3918	3359	12.14	8	1	6262	0.56	42	5	0.02	1	101	26	31	2	6	22.50	0.049	16	19	1.31	5	0.05	98	0.73	0.01
32636	T-5	994.0	995.0	1	18	209	196	4.80	3	1	2670	0.21	11	5	0.01	1	335	2	4	2	1	25.75	0.029	9	7	0.26	14	0.02	27	0.18	0.01
32637	T-5	995.0	996.0	2	111	276	334	6.58	9	1	8324	0.72	29	5	0.01	2	91	3	54	2	6	15.17	0.042	14	17	1.22	11	0.05	46	0.51	0.01
32638	T-5	996.0	997.0	1	15	182	131	4.80	1	1	1683	0.38	15	5	0.01	1	147	1	13	2	2	19.25	0.030	9	9	0.20	1	0.03	40	0.29	0.01
32639	T-5	997.0	998.0	2	31	2069	1766	5.11	7	1	2275	0.70	52	5	0.01	1	101	13	33	3	7	17.72	0.032	17	18	0.75	1	0.07	162	0.98	0.01
32640	T-5	1000.0	1001.0	5	45	2538	3652	5.93	5	1	3137	0.64	19	14	0.07	1	98	27	10	2	10	10.11	0.031	15	18	0.64	10	0.07	119	0.56	0.01
32641	T-5	1003.7	1005.7	4	38	164	154	9.46	12	1	1374	1.08	6	5	0.01	4	31	1	2	2	5	8.60	0.042	8	25	0.52	21	0.07	7	0.16	0.01
32642	T-5	1004.7	1005.7	2	38	2671	4539	8.91	12	2	4174	0.90	19	5	0.02	4	61	40	5	4	15	12.72	0.037	9	28	1.45	19	0.09	14	0.36	0.01
32643	T-5	1005.7	1006.7	2	27	415	567	2.37	15	3	4455	0.99	29	5	ND	4	62	5	2	2	13	12.72	0.044	9	30	1.46	17	0.10	13	0.27	0.01
32644	T-5	1014.0	1015.0	3	77	3870	2410	11.73	9	2	8226	0.69	13	5	0.02	3	151	21	6	2	6	10.24	0.045	9	19	1.31	30	0.07	8	0.20	0.01
32645	T-5	1015.0	1016.0	2	54	2519	3612	8.64	10	2	11533	0.80	14	5	0.01	4	495	31	5	2	11	7.75	0.051	9	21	1.75	25	0.09	6	0.30	0.01
32646	T-5	1016.0	1017.0	2	17	438	749	2.09	18	3	9452	0.66	19	5	0.02	1	470	4	9	2	14	19.77	0.046	13	29	0.54	45	0.03	2	0.30	0.01
32647	T-5	1017.0	1017.5	5	27	369	458	4.32	19	2	7527	1.31	28	5	0.01	2	286	3	3	3	17	14.10	0.047	13	38	1.36	28	0.04	3	0.55	0.01
32648	T-5	1332.0	1333.0	1	37	175	649	2.09	1	5	7946	12.26	23	5	0.01	1	152	8	2	3	1	17.97	0.006	6	7	0.43	1	0.01	2	0.07	0.01
32649	T-5	2241.0	2242.0	2	156	1269	3205	10.97	6	2	2625	1.09	19	5	0.07	1	138	21	25	2	5	10.00	0.079	3	16	0.14	3	0.02	4	0.27	0.01

PRINTED IN U.S.A.

SAMPLE	K %	W PPM	As PPM	Sb PPM	Bi PPM	Ge PPM	Se PPM	Te PPM	F PPM
32687	0.18	1	41.00	5.7	0.2	0.2	2.7	2.6	2210
32688	0.13	1	39.50	12.1	0.2	0.2	3.4	3.7	2030
32689	0.07	1	87.60	10.4	0.1	0.2	3.7	2.9	1530
33900	0.05	1	48.20	11.2	2.6	0.2	10.7	5.8	1920
33894	0.56	1	79.90	3.2	0.2	0.2	0.4	1.4	3040
33895	0.67	1	119.00	4.8	0.3	0.2	0.4	0.5	3180
33896	0.39	1	38.10	6.4	0.3	0.2	3.2	8.0	1500
33897	0.36	1	48.50	14.8	0.6	0.2	3.7	4.8	1700
33898	0.13	1	16.50	8.4	0.2	0.2	2.1	6.9	940
33899	0.27	1	22.40	1.4	0.1	0.2	0.9	11.0	1600
33901	0.08	17	18.00	1.0	0.2	0.2	0.2	2.8	26700
33902	0.04	16	12.70	0.3	0.1	0.7	0.2	1.8	10600
33903	0.11	29	36.20	10.7	0.3	0.3	0.2	7.7	3130
33904	0.37	51	35.50	13.5	0.1	0.2	0.2	9.3	5930
33905	0.02	25	71.40	5.0	0.3	0.6	0.2	1.5	640
33906	0.03	14	34.70	2.1	0.1	0.7	0.2	0.8	860
33907	0.14	15	83.10	4.5	0.6	0.2	1.1	4.4	1460
33908	0.08	61	65.30	4.3	0.6	0.7	0.2	7.7	26000
33909	0.06	1	6.00	7.6	0.9	0.6	13.7	2.9	1380
33910	0.09	1	12.10	4.4	1.0	0.3	13.6	1.3	2200
33911	0.07	1	5.30	11.0	2.3	0.2	10.0	0.9	1010
33912	0.1	1	7.30	14.0	6.7	0.2	15.6	4.8	3040
32626	0.02	1	5.00	7.2	0.1	0.2	0.2	1.0	1300
32627	0.04	1	16.80	4.0	0.1	0.2	0.2	5.4	950
32628	0.04	2	8.40	5.5	0.1	1.1	0.2	1.1	820
32629	0.05	4	11.70	3.2	0.1	0.7	0.2	1.4	1200
32630	0.1	72	11.50	4.9	0.1	0.9	0.2	2.1	1340
32631	0.06	1	29.10	188.3	0.1	0.9	0.2	5.2	1210
32632	0.18	1	6.80	5.0	0.1	0.7	0.2	1.4	820
32633	0.05	1	6.50	7.1	0.1	0.5	1.1	1.0	1480
32634	0.08	1	36.50	11.5	0.3	0.8	0.2	0.8	5200
32635	0.03	1	42.30	19.4	0.3	1.0	1.5	5.2	9380
32636	0.05	1	10.10	7.7	0.1	0.9	0.2	5.3	1000
32637	0.12	5	24.40	52.1	0.3	0.7	0.2	1.8	2340
32638	0.02	1	17.10	17.0	0.1	0.7	0.2	0.3	1600
32639	0.09	1	53.40	31.6	0.6	0.8	0.9	2.0	4240
32640	0.13	1	19.00	12.5	0.3	0.5	0.9	4.4	2960
32641	0.14	1	5.70	4.0	0.1	0.3	0.2	0.3	620
32642	0.15	1	16.60	5.1	0.3	0.5	1.9	7.1	2090
32643	0.13	1	28.30	3.2	0.1	0.4	0.3	2.0	1830
32644	0.11	1	9.70	6.3	0.2	0.4	2.3	5.4	700
32645	0.11	1	14.30	6.8	0.1	0.5	2.9	6.0	1000
32646	0.08	1	18.40	10.0	0.1	0.7	3.4	0.9	770
32647	0.09	2	26.50	3.6	0.1	0.7	2.9	2.7	1630
32648	0.06	146	19.50	2.2	0.1	0.7	0.2	4.5	1050
32649	0.06	3	14.30	25.1	0.1	0.6	2.3	7.8	1340

T-4

T-5

14112 G.B.

SAMPLE	HOLE	FROM	TO	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %
32650	T-5	2294.0	2296.0	2	106	4026	6581	31.27	1	2	34395	0.58	16	5	0.17	1	110	36	27	5	3	20.25	0.026	3	12	0.20	1	0.01	17	0.20	0.01
32651	T-5	2297.0	2298.0	2	33	1267	3628	4.83	1	3	33255	0.81	7	5	0.03	1	21	18	3	2	3	14.14	0.011	2	12	0.18	4	0.01	8	0.10	0.01
32652	T-5	2298.0	2299.0	1	13	685	1773	0.69	1	1	6925	0.33	11	5	0.01	1	120	9	3	3	6	29.90	0.012	6	13	0.02	1	0.02	9	0.20	0.01
32653	T-5	2299.0	2300.0	2	16	386	747	ND	1	1	12155	0.50	8	5	0.01	1	73	3	4	2	3	25.97	0.016	3	10	0.02	1	0.01	8	0.04	0.01
32654	T-5	2300.0	2301.0	1	28	95	187	1.58	1	1	3139	0.08	11	5	0.01	2	164	1	3	2	2	39.21	0.016	5	2	0.03	2	0.01	9	0.05	0.01
32655	T-5	2301.0	2302.0	1	12	172	84	0.07	1	1	11661	0.16	13	5	ND	1	160	1	2	2	2	35.35	0.050	4	2	0.03	1	0.01	6	0.04	0.01
32656	T-5	2302.0	2303.0	1	45	651	667	5.49	1	1	11037	0.15	10	5	ND	1	155	4	8	2	1	36.14	0.011	3	2	0.03	1	0.01	5	0.04	0.01
32657	T-5	2303.0	2304.0	1	99	1706	1624	13.89	1	1	14253	0.16	7	5	0.03	1	134	11	12	2	1	33.49	0.007	3	3	0.02	1	0.01	7	0.04	0.01
33913	T-5	2310.0		1	153	1094	1314	181.34	1	1	37615	0.22	36	5	0.08	1	106	18	62	3	1	25.79	0.004	2	3	0.05	1	0.01	2	0.03	0.01
33914	T-5	2354.0	2355.0	3	56	231	1191	9.36	30	4	28867	1.70	68	5	0.02	1	74	9	7	4	8	15.19	0.023	7	35	0.40	2	0.01	2	0.34	0.01
33915	T-5	2355.0	2356.0	2	63	419	754	7.58	15	2	19974	1.07	73	5	0.01	1	108	7	17	4	4	25.12	0.016	8	17	0.19	1	0.01	2	0.19	0.01
33916	T-5	2356.0	2357.0	1	14	40	338	0.17	27	4	2584	0.79	70	5	0.01	1	133	1	4	2	5	21.45	0.038	10	24	0.66	2	0.01	3	0.49	0.01
33917	T-5	2391.0	2392.0	3	29	318	345	1.81	7	1	758	0.90	8	5	ND	1	28	3	2	2	6	18.44	0.053	8	24	0.04	3	0.04	34	0.43	0.01
33918	T-5	2392.0	2393.0	2	20	171	1128	ND	3	1	1343	0.50	9	5	ND	1	83	6	2	2	2	25.40	0.026	7	11	0.04	2	0.01	12	0.19	0.01
33919	T-5	2393.0	2394.0	2	16	45	56	2.91	3	1	336	0.47	6	5	ND	1	135	1	2	2	2	28.49	0.025	10	13	0.03	2	0.02	4	0.48	0.01
33920	T-5	2394.0	2395.0	4	44	68	91	0.75	15	2	435	1.33	7	5	ND	5	42	1	2	2	9	11.78	0.060	10	35	0.04	10	0.06	36	0.92	0.01
33921	T-5	2395.0	2396.0	1	14	65	217	ND	3	1	492	0.35	7	5	ND	1	131	2	2	2	3	30.87	0.026	7	9	0.02	1	0.02	5	0.19	0.01
33922	T-5	2400.0	2401.0	2	19	41	60	0.65	10	1	528	0.71	10	5	0.03	1	131	1	2	2	9	23.95	0.029	7	29	0.11	3	0.04	5	1.13	0.03
33923	T-5	2401.0	2402.0	1	6	15	26	ND	1	1	250	0.14	4	5	ND	1	179	1	2	3	1	34.08	0.006	5	4	0.02	1	0.01	4	0.16	0.01
33924	T-5	2402.0	2403.0	1	8	20	41	3.05	2	1	197	0.15	3	5	ND	1	171	1	2	2	1	34.06	0.007	6	3	0.01	1	0.01	2	0.12	0.01
33925	T-5	2403.0	2404.0	1	21	24	43	0.31	1	1	354	0.20	7	5	ND	1	128	1	2	2	2	30.18	0.011	6	5	0.02	1	0.01	19	0.17	0.01
33926	T-5	2404.0	2405.0	1	5	34	54	0.07	4	1	806	0.16	3	5	ND	1	129	1	2	2	2	30.56	0.006	7	5	0.13	1	0.01	28	0.11	0.01
33927	T-5	2405.0	2406.0	1	10	237	356	ND	1	1	1945	0.28	4	5	ND	1	107	1	2	2	3	25.92	0.009	4	8	0.27	1	0.02	24	0.12	0.01
33929	T-5	2407.0	2408.0	1	19	493	515	0.31	4	1	1693	0.37	6	5	ND	1	100	3	2	2	3	19.06	0.021	6	13	1.12	1	0.02	16	0.25	0.01
33930	T-5	2410.0	2411.0	1	34	203	459	0.48	4	2	1049	0.54	5	5	ND	1	105	2	2	2	6	16.45	0.040	7	19	2.12	4	0.03	192	0.95	0.01
33931	T-5	2411.0	2412.0	1	29	318	891	ND	5	1	1659	0.54	6	5	ND	2	105	4	2	2	6	13.40	0.042	8	16	2.65	6	0.03	3	0.51	0.01
33932	T-5	2417.0	2418.0	1	37	2482	3611	2.91	6	3	1546	0.79	7	5	0.01	1	124	18	2	2	4	21.14	0.024	7	11	0.86	1	0.02	5	0.32	0.01
33933	T-5	2418.0	2419.0	1	62	170	216	1.23	11	2	934	0.96	8	5	0.02	1	156	1	2	2	5	25.48	0.009	12	13	1.48	1	0.02	5	0.45	0.01
33934	T-5	2419.0	2420.0	4	129	169	222	2.64	50	8	644	2.69	16	5	0.02	7	96	2	2	2	41	3.48	0.004	12	151	1.63	14	0.17	8	3.93	0.09
33935	T-5	2420.0	2421.0	2	35	5577	10217	1.61	5	11	3532	0.84	13	5	0.01	1	89	49	4	2	3	16.74	0.028	6	9	2.07	1	0.01	2	0.17	0.01
33936	T-5	2421.0	2422.0	1	118	4439	7554	7.44	6	6	1110	0.56	28	5	0.02	1	169	36	2	2	6	31.44	0.181	11	18	0.47	1	0.01	2	0.26	0.01
33937	T-5	2422.0	2423.0	1	66	32	97	0.65	5	1	555	0.27	7	6	0.01	1	200	1	2	2	3	34.54	0.016	5	9	1.19	1	0.01	2	0.13	0.01
33938	T-5	2443.0	2444.0	2	1485	2511	4586	5.45	15	9	3816	1.26	18	5	0.01	1	154	24	2	2	9	21.16	0.032	9	24	2.38	5	0.02	2	0.43	0.01
33939	T-5	2444.0	2445.0	4	2354	1549	2702	8.33	9	17	3617	8.82	80	5	0.03	1	110	16	2	2	11	21.66	0.012	4	17	0.36	1	0.01	2	0.30	0.01
33943	T-5	2445.0	2446.0	2	116	908	1427	ND	5	1	1304	0.44	9	5	ND	1	94	7	2	2	7	20.42	0.073	8	15	0.14	1	0.04	9	0.35	0.01
33944	T-5	2446.0	2447.0	2	24	68	144	ND	3	1	609	0.45	13	5	ND	2	40	1	2	2	8	18.91	0.101	10	16	0.06	3	0.04	8	0.45	0.01
33945	T-5	2447.0	2448.0	3	65	225	336	0.58	4	1	722	0.68	9	5	ND	1	60	2	2	2	7	18.99	0.084	8	21	0.09	4	0.04	19	0.97	0.01
33928	T-5	2506.0	2407.0	1	33	2137	2906	2.98	2	2	2236	0.41	6	5	ND	1	88	14	2	2	4	21.03	0.021	4	10	0.72	1	0.02	35	0.19	0.01
33940	T-5	2512.0	2513.0	8	282	643	1400	5.18	5	3	7960	2.32	41	5	0.02	1	74	7	2	3	6	23.19	0.024	4	18	0.19	3	0.02	287	0.21	0.01
33941	T-5	2513.0	2514.0	9	140	856	1530	2.26	5	2	2569	1.48	19	5	0.01	3	48	8	2	2	9	14.09	0.060	8	24	0.04	10	0.05	13	0.43	0.01
33942	T-5	2544.0	2545.0	2	31	135	204	1.54	4	1	542	0.52	10	5	0.01	1	44	1	2	2	6	19.96	0.084	9	17	0.05	6	0.03	10	0.40	0.01
33946	T-5	2548.0	2549.0	10	791	652	985	ND	10	1	1269	1.11	11	5	ND	3	56	5	2	2	10	17.20	0.083	10	31	0.15	13	0.05	28	0.70	0.01
33947	T-5	2562.0	2563.0	6	416	78	178	1.65	6	1	1104	0.68	16	5	0.02	3	34	1	4	2	8	16.61	0.128	11	21	0.10	13	0.05	680	0.89	0.01

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SAMPLE	K %	W PPM	As PPM	Sb PPM	Bi PPM	Ge PPM	Se PPM	Te PPM	F PPM
32650	0.01	1	12.00	37.7	0.1	0.5	1.0	5.0	400
32651	0.02	1	7.20	7.1	0.1	0.4	1.8	2.4	220
32652	0.01	1	7.50	7.2	0.1	0.8	1.0	0.8	920
32653	0.01	1	6.10	6.0	0.1	0.6	0.3	0.3	230
32654	0.01	1	6.90	2.7	0.1	1.2	0.2	0.3	270
32655	0.01	1	10.50	2.2	0.1	0.9	0.2	0.5	260
32656	0.01	1	10.00	10.5	0.1	0.7	0.2	2.9	170
32657	0.02	1	7.30	16.4	0.1	0.6	0.2	7.6	200
33913	0.01	1	31.60	88.3	0.1	0.8	0.2	1.6	130
33914	0.14	4	63.60	9.1	0.1	0.8	0.9	2.9	1670
33915	0.07	1	72.50	19.6	0.8	1.0	1.0	2.0	750
33916	0.03	8	66.80	6.4	0.5	1.0	0.2	0.3	1090
33917	0.09	8	9.00	1.7	0.3	0.9	0.2	0.3	1170
33918	0.04	1	7.30	1.6	0.3	0.9	0.2	0.3	800
33919	0.05	3	5.80	1.2	0.1	1.1	0.2	0.3	640
33920	0.2	15	7.30	1.8	0.1	0.8	0.2	0.3	1160
33921	0.04	2	5.40	1.2	0.1	0.9	0.2	0.3	580
33922	0.18	5	8.90	1.4	0.2	0.9	0.2	0.3	1180
33923	0.02	1	3.20	0.6	0.1	0.9	0.2	0.3	340
33924	0.01	1	3.80	0.4	0.1	0.8	0.2	0.3	210
33925	0.01	1	5.00	1.1	0.1	0.9	0.2	0.3	340
33926	0.04	1	4.80	1.5	0.1	0.8	0.2	0.3	530
33927	0.01	1	3.80	1.1	0.1	0.8	0.2	0.3	540
33929	0.01	2	5.50	1.5	0.2	0.7	0.2	0.4	860
33930	0.03	2	6.90	3.2	0.1	0.7	0.2	0.3	990
33931	0.06	1	7.10	2.0	0.1	0.8	0.2	0.3	1080
33932	0.01	1	7.30	2.3	0.2	0.9	0.3	2.3	1170
33933	0.04	1	9.70	1.2	0.1	0.7	0.5	0.3	940
33934	0.8	11	15.30	1.7	0.3	0.8	1.0	0.7	2810
33935	0.02	1	8.40	3.2	0.2	0.8	0.4	6.9	1370
33936	0.02	1	22.40	3.7	0.3	0.9	0.6	9.5	1540
33937	0.01	1	6.40	0.5	0.1	1.0	0.2	0.3	300
33938	0.02	1	11.30	3.9	0.2	0.9	0.4	1.0	1270
33939	0.05	280	63.40	5.9	0.1	0.7	0.2	1.8	700
33943	0.13	1	11.20	1.9	0.1	0.7	0.4	1.1	2060
33944	0.07	1	13.70	1.8	0.1	0.7	0.2	0.3	2440
33945	0.08	1	11.90	2.3	0.2	0.7	0.2	1.1	1830
33928	0.01	1	5.00	2.2	0.2	0.8	0.3	1.4	1090
33940	0.04	59	38.40	2.5	3.1	0.7	0.2	4.9	830
33941	0.1	4	16.50	2.2	0.3	0.8	0.2	1.0	1510
33942	0.04	1	12.00	2.2	0.1	0.9	0.2	0.3	1590
33946	0.1	10	9.20	2.6	1.9	0.8	0.6	1.0	1370
33947	0.14	6	13.60	3.8	0.8	0.7	0.2	0.3	1550

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DRILL ELEMENT ------>				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na
SAMPLE	HOLE	FROM	TO	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%
33948	T-5	2563.0	2564.0	3	1213	9487	17423	0.07	4	6	1779	1.47	13	6	0.01	1	73	100	8	12	4	19.14	0.022	5	15	0.10	4	0.03	138	0.19	0.01
33949	T-5	2564.0	2565.0	2	153	68	145	ND	3	1	654	0.32	5	8	0.02	1	142	1	2	2	4	24.56	0.033	9	8	0.05	1	0.02	28	0.27	0.01

PRINTED IN U.S.A.

SAMPLE	K %	W PPM	As PPM	Sb PPM	Bi PPM	Ge PPM	Se PPM	Te PPM	F PPM
33948	0.05	4	8.20	5.7	6.6	0.8	3.5	1.0	860
33949	0.05	2	7.70	2.0	0.3	0.8	0.2	0.3	890

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DESCRIPTIVE STATS

SAMPLE	HOLE	FROM	TO	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %
ALL SAMPLES																															
COUNT		217	216	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226
AVERAGE				15.4	458.4	2436.0	2730.0	31.955	9.3	3.9	3948.9	1.542	41.0	5.1	0.098	2.2	292.6	24.0	15.1	3.2	12.6	19.313	0.0252	9.2	16.2	1.1	36.5	0.029	17.4	0.618	0.012
ST.DEV.				132.6	1951.2	5420.6	7164.4	164.86	9.1	6.8	5812.4	2.424	107.6	0.6	0.433	2.0	632.3	60.9	40.2	11.0	38.2	10.711	0.0261	7.7	13.5	1.4	130.2	0.028	53.7	0.706	0.011
MIN.		140.0	141.0	1	1	2	14	0	1	1	113	0.04	2	5	0	1	12	1	2	2	1	0.46	0.001	2	1	0.01	1	0.01	2	0.02	0.01
MAX.		3001.5	3002.5	1951	21646	33488	54880	2043	50	66	41694	17.5	1401	14	4.02	11	6286	535	344	158	570	39.86	0.181	72	151	11.09	1886	0.17	680	4.45	0.12
DRILL HOLE T-1																															
COUNT		46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
AVERAGE				2.6	78.7	1430.0	2642.9	56.783	10.8	5.5	3344.8	2.557	38.0	5.0	0.075	2.2	693.3	24.2	11.6	2.2	10.3	20.083	0.013	12.4	13.4	1.9	47.4	0.020	6.1	0.531	0.010
ST.DEV.				2.8	146.6	3781.4	8331.7	297.84	9.8	9.7	2929.5	4.461	56.0	0.0	0.156	2.2	1225.9	80.7	27.3	0.6	7.5	11.339	0.011	13.3	8.9	1.7	61.2	0.018	4.5	0.403	
MIN.		1307.5	1308	1	1	2	14	0	1	1	137	0.17	2	5	0	1	12	1	2	2	1	1.14	0.001	2	2	0.04	1	0.01	2	0.07	0.01
MAX.		2651	2652	17	826	22659	54880	2043	42	52	18254	17.5	298	5	0.86	9	6286	535	169	5	28	39.86	0.038	72	36	6.25	348	0.1	21	1.89	0.01
DRILL HOLE T-2																															
COUNT		41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
AVERAGE				4.6	1717.8	5547.8	6080.7	22.100	11.7	6.3	1299.9	1.296	15.1	5.0	0.042	2.8	325.5	37.4	10.2	7.4	11.5	16.650	0.018	8.8	17.4	1.6	83.6	0.039	10.7	1.186	0.017
ST.DEV.				13.5	4250.0	9338.7	12727	72.406	11.5	10.3	1362.5	1.202	24.0	0.0	0.168	2.1	421.2	78.6	23.5	25.3	8.3	11.060	0.014	6.1	12.8	2.8	288.4	0.038	11.0	1.116	0.020
MIN.		1564	1565	1	4	3	26	0	1	1	113	0.1	2	5	0	1	39	1	2	2	2	1.85	0.001	2	2	0.03	1	0.01	2	0.07	0.01
MAX.		3001.5	3002.5	88	21646	33488	49379	462.72	47	66	6529	6.63	152	5	1.09	7	1995	306	130	158	33	38.02	0.055	27	52	11.09	1886	0.17	60	4.45	0.12
DRILL HOLE T-3																															
COUNT		19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
AVERAGE				3.1	34.7	89.7	280.7	3.130	5.8	2.5	3241.1	1.761	64.8	5.0	0.045	4.3	84.9	2.4	8.6	2.0	14.3	14.900	0.029	14.3	16.0	0.5	23.0	0.042	22.8	0.558	0.017
ST.DEV.				1.0	15.5	64.2	137.2	3.985	2.8	1.3	1261.5	0.637	64.6	0.0	0.074	3.5	31.3	1.1	9.4	0.0	14.5	6.610	0.025	4.7	5.2	0.4	14.3	0.022	25.6	0.301	0.011
MIN.		140	141	1	18	2	30	0	2	1	1569	0.78	6	5	0	1	29	1	2	2	2	2.17	0.009	6	8	0.06	2	0.01	2	0.16	0.01
MAX.		183	184	5	83	273	535	13.82	11	5	5463	3.45	237	5	0.24	11	137	5	31	2	68	28.58	0.093	22	25	1.79	60	0.09	105	1.17	0.05
DRILL HOLE T-4																															
COUNT		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AVERAGE				74.9	333.4	4385.5	2916.6	45.844	8.4	2.7	5220.8	1.101	95.9	5.0	0.055	1.2	252.8	45.9	38.9	2.4	26.6	25.584	0.015	6.0	13.4	1.1	29.8	0.018	6.1	0.525	0.010
ST.DEV.				300.5	713.7	5651.4	3552.4	168.77	8.3	2.5	6936.1	0.941	224.6	0.2	0.062	0.7	245.6	71.0	75.7	1.6	85.5	10.137	0.017	4.2	10.2	0.8	40.4	0.020	7.3	0.599	
MIN.		1219	1220	1	4	25	60	0	1	1	283	0.04	4	5	0	1	47	1	2	2	1	2.5	0.001	2	1	0.1	1	0.01	2	0.02	0.01
MAX.		2932	2933	1951	3298	23066	14196	1107.2	29	13	41694	5.2	1401	6	0.27	4	1252	427	344	12	570	38.76	0.081	18	33	3.19	184	0.1	42	2.61	0.01
DRILL HOLE T-5																															
COUNT		69	68	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
AVERAGE				2.4	147.8	975.2	1581.1	23.992	8.0	2.2	5809.6	1.026	17.6	5.2	0.141	1.8	117.2	10.0	9.5	2.5	6.9	20.000	0.043	8.3	19.4	0.7	8.4	0.035	36.1	0.420	0.011
ST.DEV.				1.0	363.5	1583.1	2697.5	91.916	8.1	2.6	7966.3	1.718	17.0	1.1	0.591	1.3	84.5	15.3	23.3	1.4	6.3	8.214	0.034	3.6	18.7	0.7	12.0	0.029	92.6	0.518	0.010
MIN.		984	985	1	5	15	26	0	1	1	197	0.08	3	5	0	1	21	1	2	2	1	3.48	0.024	2	2	0.01	1	0.01	2	0.03	0.01
MAX.		2564	2565	10	2354	9487	17423	627.33	50	17	37615	12.06	80	14	4.02	7	495	100	178	12	41	39.21	0.181	19	151	2.65	63	0.17	680	3.93	0.09

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K %	W PPM	As PPM	Sb PPM	Bi PPM	Ge PPM	Se PPM	Te PPM	F PPM
226	226	226	226	226	226	226	226	226
0.126	8.9	40.49	15.48	1.38	0.53	4.33	2.30	1657.6
0.179	31.2	128.79	38.60	10.87	0.33	16.98	3.09	2774.9
0.01	1	0.7	0.3	0.1	0.2	0.2	0.3	80
1.16	280	1797	321.8	151.9	1.8	202.7	24.6	26700
46	46	46	46	46	46	46	46	46
0.141	6.1	35.11	11.45	0.55	0.36	7.51	3.26	1841.3
0.236	19.7	53.59	23.43	1.24	0.23	16.03	3.80	1827.9
0.01	1	0.7	0.3	0.1	0.2	0.2	0.3	130
1.16	100	308.9	134.9	6.8	1	78	16.8	9450
41	41	41	41	41	41	41	41	41
0.172	3.7	12.91	10.19	5.76	0.78	11.73	1.95	1508.3
0.216	10.3	19.91	24.46	24.97	0.39	34.33	3.96	977.3
0.01	1	2.5	0.4	0.1	0.2	0.2	0.3	200
0.85	67	121.8	136.6	151.9	1.8	202.7	24.6	4310
19	19	19	19	19	19	19	19	19
0.113	1.1	57.29	10.11	0.16	0.20	0.20	0.85	731.6
0.079	0.2	56.02	9.67	0.05	0.00	0.00	1.61	240.4
0.01	1	6.4	1.8	0.1	0.2	0.2	0.3	310
0.25	2	204	31.8	0.2	0.2	0.2	7.6	1160
42	42	42	42	42	42	42	42	42
0.136	19.9	104.02	38.55	0.51	0.35	2.41	3.07	2856.7
0.154	45.7	278.12	71.20	1.10	0.20	4.04	2.64	5621.6
0.02	1	3.8	0.3	0.1	0.2	0.2	0.3	80
0.67	264	1797	321.8	6.7	0.8	15.6	11	26700
69	69	69	69	69	69	69	69	69
0.071	10.2	16.37	10.56	0.34	0.75	0.62	2.05	1300.1
0.101	38.4	15.82	23.27	0.87	0.20	0.81	2.29	1310.2
0.01	1	3.2	0.4	0.1	0.2	0.2	0.3	130
0.8	280	72.5	188.3	6.6	1.2	3.5	9.5	9380

14112 G.B.

Santa Fe Pacific Mining, Inc.

TOMBSTONE PROJECT

Tombstone Mining District, Cochise County, Arizona

Drill Hole Number T-5, Total Depth 3004', Location ____N, ____E, Bearing 303°, Inclination -080°, Core Size(s) NC/NX, Elevation 4617.21', Date Started 5 Nov 88, Date Completed 17 Dec 88, Logged by WDR, Total Pages 85.

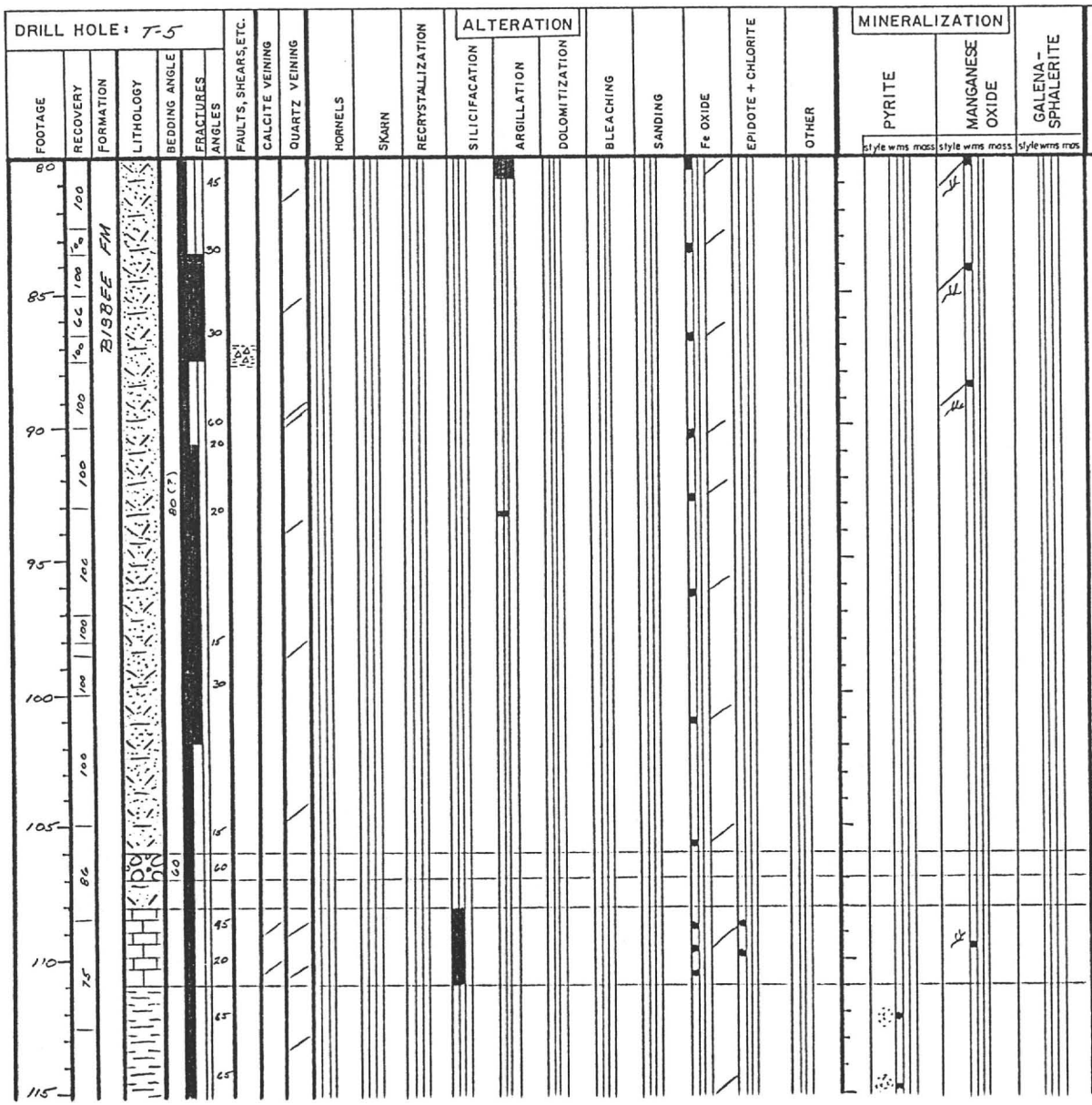
1. Footage: depth below collar.
2. Recovery: horizontal lines indicate top and bottom of run, number indicates percentage of core recovered.
3. Formation: name of formation in drilled interval.
4. Lithology: standard symbology is used and is explained in the description column; symbols may be combined.
5. Bedding Angle: angle of bedding to the axis of the core.
6. Fractures: column shading indicates relative intensity of fracturing; 1st column: weak, 2nd column: moderate, 3rd column: strong.
7. Angles: angle of fractures to the axis of the core.
8. Faults, Shearing, Etc.: symbols are used as follows; ▬: fault, ⚌: shear, ΔΔΔ: brecciation; symbols may be combined.
9. Calcite/Quartz Veining: symbols indicate presence of veins/veinlets: // X ; width of line indicates relative thickness; density of pattern in column or cross hatchuring indicates relative abundance of veins/veinlets in interval.
10. Alteration: column shading indicates relative intensity of alteration; 1st column: weak; 2nd column: moderate; 3rd column: strong. Wide column to right uses symbology to indicate style of alteration: // X vein/veinlet-controlled; disseminated; •• : spots, blebs; : dendritic; : stylolitic. Lack of symbol in column indicates pervasive/massive alteration. Non-standard symbols are explained in description column.
11. Mineralization: column shading indicates intensity of mineralization; 1st column: weak (<2%), 2nd column: moderate (2-10%), 3rd column: strong (10-50%), mass column: massive (>50%). Style column uses the same symbology as for alteration, above. Major column headings (pyrite, Mn oxide, gl-sl) show general mineralization type; the complete mineralogical description appears in the description column.
12. Description: column contains information not detailed in preceding columns.
13. Assay: horizontal lines indicate interval assayed.

DRILL HOLE: T-5

page: 1

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
0																							OVERBURDEN: graded mine dump material, some reported to be filling old stopes which caved to surface.					
20																												
20 Scale																												
40																												
5 Scale																												
65																												
70	100	BISBEE FM			50																		ARKOSE: tannish brown to blue grey, fn to med grained, massively to thickly bedded arkose					
	100				0																							
	100																						Fe oxides on fracs mostly from surface weathering					
75	100			70(?)	45																							
					0																							
	100																											
80					60																							

DRILL HOLE: T-5



DESCRIPTION

ARKOSE: as above
@ 80'-80.5' arkose totally argillized to a cream-white clay
minor supergene (?) MnOx on fracs.

CONGLOMERATE: arg. frag to ½" in cr ss matrix

ARKOSE: as above

LIMESTONE: irreg. mottled pink, red green and white
irregularly silicified along veins, but as nodular patches of silica

SILTSTONE: massively bedded, dark bluish grey
w/ vv minor diagenetic py

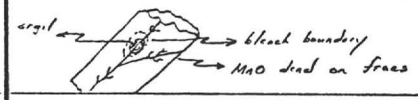
ASSAY DATA

page: 2

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

page: 3

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
115	100	BISBEE FM		60	50																		SILTSTONE: as above					
					5																		ARKOSE: most of interval is similar to unit above. Lower half is, however, light grey to cream color, coarser grained, faintly developed bedding and approaches sandstone in composition.					
120	80				60																							
125	100				35																							
130	100			60																								
	70				0																μ		LIMESTONE: mottled light grey & greenish. Irregular free controlled bleaching & argillic. Well developed MnO dendrites, esp on fracs ⊥ to core axis					
135	60				0																μ							
	50				0																		SILTSTONE: as above, dissem. py developed above FeO soaked shear					
140	100				50																							
	100																											
145	100				30																		LIMESTONE: as above but unsilicified 					
	100				10																							
150																							ARKOSE: as above					

DRILL HOLE: T-5

page: 4

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
150	100	BISBEE FM			0	highly broken core																	ARKOSE: dark grey green to dark purplish brown fine to course grained, faintly bedded arkose. From 171' - 175 arkose contains cr subroundrd qtz & spar grains to 1/8" across. Down hole unit becomes generally fine grained					
	33				15																							
155	100																											
	100																											
160	33				10																							
	100				70																							
165	100				20																							
	66			30 (?)	20																							
170	100				45																							
					20																							
	100																											
175					20																							
	100																											
180					40																							
					10																							
	100				0																							
185					40																							

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
185																								ARKOSE: as above					
	100	BISBEE FM		50		30																							
190						35																							
	100																							CHERTY BLEACHED SILTSTONE (?) white to cream, mod. soft massive aphanitic rock w/ rounded 1/8"-1/4" blue-gray chert; some sharply angular; some 1/8" clear qtz "eyes" + irreg zones of silicification. Protolith very uncertain - may even be intrusive igneous					
195						20																							
	100																							ARKOSE: as above. blue gray, fn gr, massive					
	100					80																							
200																													
	100					30																							
	50					80																							
205																													
	100					5																							
210						70																							
	100																							NOVACULITE (?) white to cream to greenish gray mod hard aphanitic rock w/ irreg. mod banded silicification protolith probably arkose. see above					
						20																							
215	100					70																		ARKOSE: tannish gray course grained arkose; massively bedded; a few chert fragments; sheared toward base					
	100			60		35																							
220																													

page: 5

DRILL HOLE: T-5

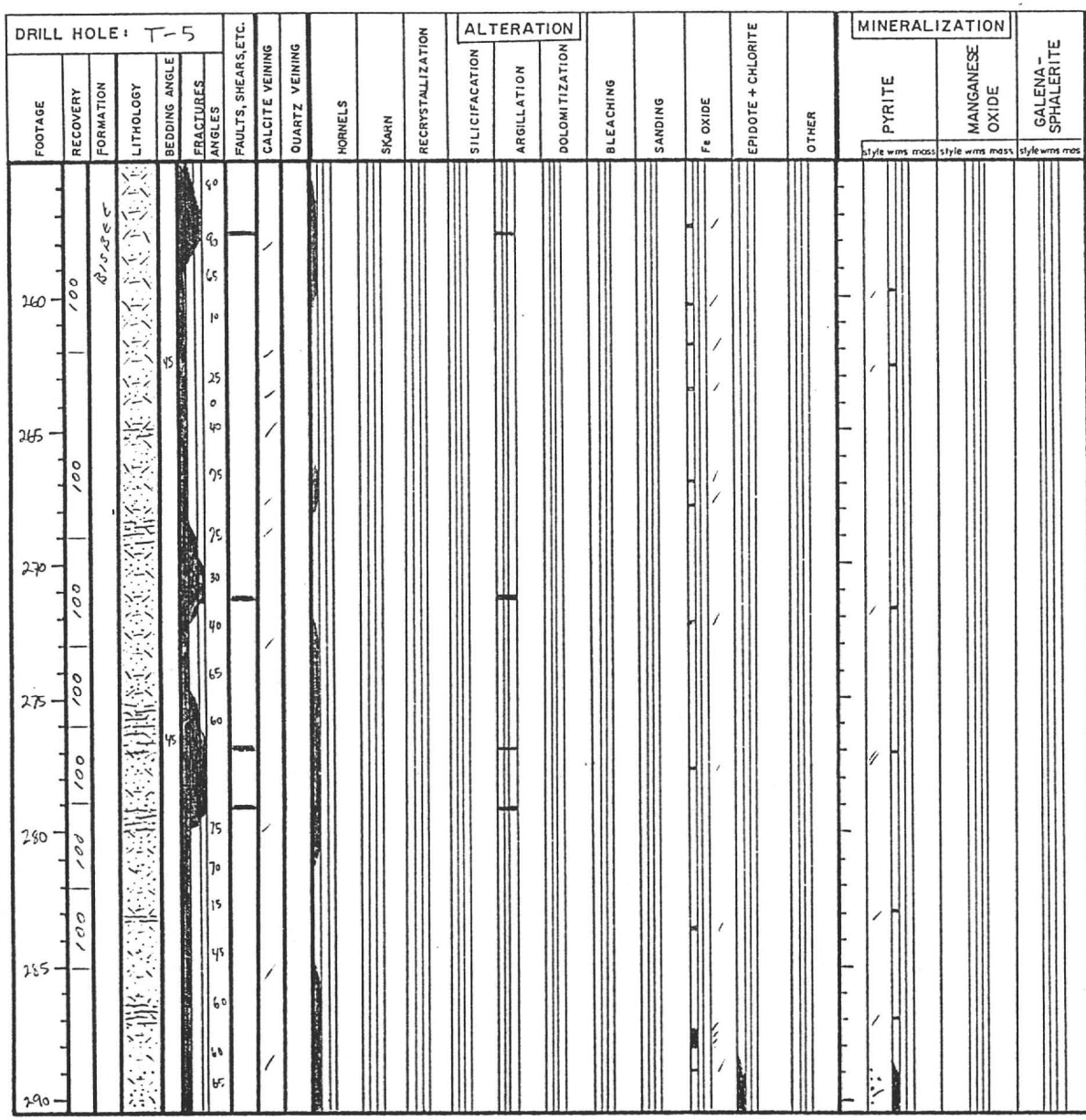
FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA (page: 6) Au	Ag	Cu	Pb	Zn
220	100	BISBEE FM		60		10																		SILTSTONE: cream to med. grey, thinly bedded to laminated, with thin cherty & limey layers. MnO dendrites on bedding					
225	100			60		70																		LIMESTONE: blotchy dark to light grey, generally fn gr; shear laminated in middle part, otherwise massive. Py and MnO mostly in sheared part. Some sections bioturbated.					
230	100					60																		SILTSTONE: massive, dk grey					
						0 0																		LIMESTONE: as above					
235				65		50																		SILTSTONE: med-lt grey, thinly bedded in upper part, massive in lower part					
240																													
245																													
250																													
255																													

DRILL HOLE: T-5

page: 6

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
225		BISBEE																					LOGGED DATA FOR PAGE 6, T-5. Starting @ 235! Box 22.					
230																												
235	100				45, 20																		ARKOSE: v. fine grained arkose becoming Qtz dominant in places; Lt grey to dk grey in color; bedded, gradational from above siltstone units.					
240	100				50, 70, 65																		pyrite << 1%					
245	100				30, 25, 40, 70, 65																		ARKOSE: Calcareous ARKOSE: intergraded, fine [MnO₂ < 2%] med sand size fragments; probably (?) cemented w/ calcite. tan → grey in					
250	100				15, 75, 90																		} v. fine grained non-calcareous, dk grey, arkose interbed.					
	100				40																		} fossil fragments (OSTOCODS?); mostly concave up suggesting quiet water (weak oscillation forces).					
255					55, 50																		SEE NEXT PAGE					

DRILL HOLE: T-5



DESCRIPTION

Arkose: dk redish brown → lt grey in color, v. fine grained; occasional pyrite along fractures; bedded; Fe. stained in part, occasional siltstone interbeds.

Hornfelsing: v. mild, when present.

gouge assoc. w/ faults.

Pyrite ≪ 2%

ASSAY DATA

page: 7

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

DESCRIPTION

ARKOSE: (CONT.) AS ABOVE.

becoming Silicated (v. hard).

Calcareous Sandstone. Irregularly bedded lt tan to buff in color; cemented w/ calcite; v. minor epidote formation (spotty); dissem. pyrite << 2%

INTERBEDDED, SILTSTONE, ARKOSE & LIMESTONE: Strongly interbedded Arkose, Siltstone, Ls. (see under lithology): SILTSTONE: lt grey → med grey, finely bedded; Calcareous in part; Arkose: lt grey to buff in color, f. grained to mod coarse grained Arkose. LS: lt → v. dk grey, fossiliferous in part, occasionally v. lt in color.

ASSAY DATA

page: 8

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

DESCRIPTION

SILTSTONE: (CONT.) As Above

v. Sharp gradational contact.

DOLOSTONE: v. dk grey → black in color, massive, Qtz veining. lacking in fossils.

SILTSTONE: v. fine grained; bedded; consistent for intervals; minor pyrite <<1%.

SILTSTONE: Fine → mod coarse grained Sandy-Silty Siltstone → silty Arkose in part.

Brecciated zone: healed w/calcite at upper & lower contact

SILTSTONE: Finely bedded; v. fine grained; lt grey → reddish grey in color.

ASSAY DATA

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER FLUORITE	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
	100	BISBEE: FM			45																		SILTSTONE: (CONT.) As Above.					
	90			45	60																							
365					70																		V. low alteration of any kind, rock remains somewhat soft.					
					60																							
	85				35																							
370					35																							
	100			50	55																		gradational contact.					
375					55																		Arkose: Pink → reddish brown in color; mixed sorting; calcite cement. FeOx staining of entire rock (cement & matrix).					
					70																							
																							V. lt. Alteration of any kind.					
380	100				70																		LIMESTONE: med grey, fn-med gr. massively bedded limestone; upper unaltered part is weakly fossiliferous (oysters; gryphea) Below 381' unit is strongly brecciated and silicified; weakly vuggy: most vugs lined w/ qtz druses; rarely w/ purple fluorite encrusted w/ silica. Frags are silicified ls and possible silic siltstone					
	100				50																							
385																												
					90																							
390	80																											
					70																							
395																												

page: 10

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER FLUORITE	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)
395																						
					60																	
400	100	BISBEE FM																				
					70																	
405																			vug fillings			
	65				90																	
410					90																	
415				45	70																	
	100																					
420					65																	
	100																					
425				40	70																	
				50	80																	
430																						

DESCRIPTION

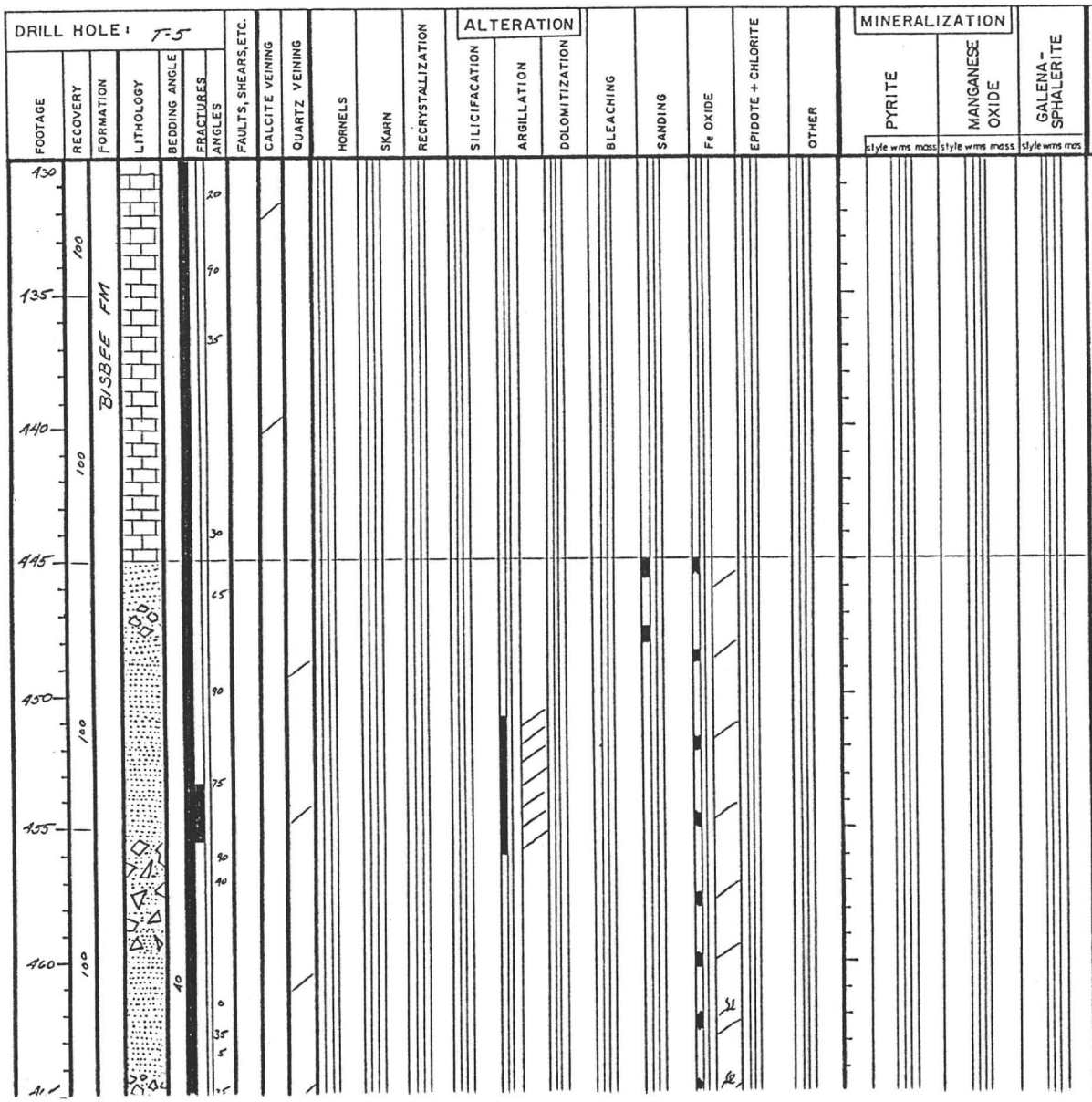
LIMESTONE: as above; blk (MnO) calcite vein at 395'. Breccia zone 404-410' like above except much more vuggy. 8" vug at 406' lined w/ .2" v. lt blue green cubed. fluorite; other vugs w/ lt green fluorite fill w silver thread. Roll shears.? 414'-420' highly fossilif. - Coquina of oyster shells 420-425' strongly bioturbated. 425'-430': abundant oyster hash gryphea to 1" across; one 2" gastropod sp?

← ~2.0" →

ASSAY DATA page: 11

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5



DESCRIPTION

LIMESTONE: as above; strongly bioturbated but less fossiliferous

SANDSTONE & CONGLOMERATE: v H grey fine to medium gr massively bedded, in places wk'ly arkosic sandstone with interbeds of sedimentary conglomerate and breccia. clasts of sandstone up to 1" and mostly v. angular

ASSAY DATA

page: 12

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
465																							CONGLOMERATE: as above					
		BISBEE			30																		LIMESTONE: v lt grey, fn to med gr massively bedded, non-fossiliferous limestone, stylolite in upper part.					
					20																							
					50																							
470	100																											
																							SHALY LIMESTONE: pale greenish grey, weakly brecciated & healed, fine grained shaly ls with abund ostracods towards bottom.					
475					50	△																						
	66					△																						
					50	△																						
						△																						
480		HORQUILLA LS.																					LIMESTONE: as limestone above: contains abund. fusilinids and articulated brachiopods; weak bioturbation					
	100																											
485					40																							
	100				20																							
490				50(?)																								
					60																							
	100				0																							
495																							light grey 1" chert (?) lens @ 499'					
					50																		silicified zone vuggy w/ calc. qtz rhs in vugs					
500	100																											

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER FLUORITE	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
500	100	HORQUILLA LS.		50	80																		LIMESTONE: as above					
505					0														vugs				SHALY LIMESTONE: same as shaly ls above					
					90																							
510	100				50																							
515					90																pink ls		LIMESTONE: as above only non fossiliferous					
520	100				30																							
					90																							
PBR lease 525.19																												
525				45	60																		SHALY LIMESTONE: as above; bioturbated with a few rip-ups at bottom of section					
Santa Fe lease																												
530	100				60																							
																							LIMESTONE: med grey, med gr, faintly bedded to w several zones rich in fusulinids					
535					50																							

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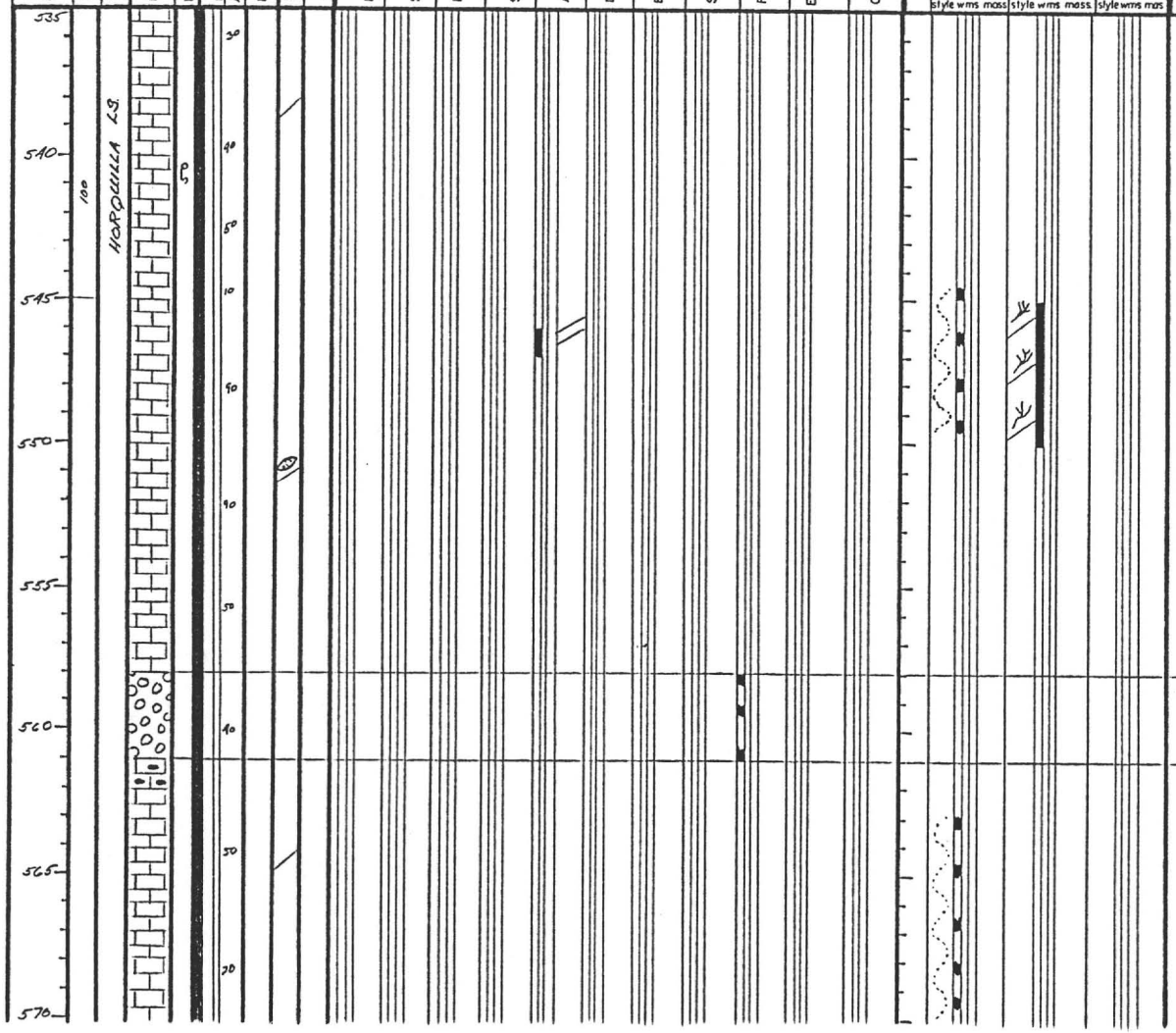

DESCRIPTION

LIMESTONE: as above; several sections have b/l organic stylolites

pink Mn ls surrounds dendrites

CONGLOMERATE: rounded cherty fragments to 1" across in extremely calcareous matrix

LIMESTONE: as above: large dark grey irregular chert ball at 561.5' & chert band 2" @ 562.5'

ASSAY DATA

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Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
570	100	HORQUILLA LS				40																		LIMESTONE: as above, starting @ 580, occasional shaly interbeds.					
575						50																		1/16" vein @ 40° to core w/ py & min. blk jack sl					
						50																		1/16" vein @ 50° to core axis w/ py and gl rimming amber sl					
						20																							
						40																							
580	100					45																							
						50																							
585						50																							
						90																							
590	100					75																							
						45																							
						50																							
595						30																							
600	100					55																							
605						65																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					70		/																LIMESTONE: as above					
					20																							
610	100	HORQUILLA LS.			50																							
					50		//																					
615																												
					60																							
620	100				45		/																					
					65																							
625					70															/								
					40																							
630					60																							
	100																											
635					65		/																					
					60		/																					
640																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
		HORQUILLA L.S.				40		/																LIMESTONE: (CONT.) As Above					
645						35																							
						30		//																					
650																													
						55																							
655																													
						70		/																					
						70																							
660																													
						40																							
665																													
						50																							
						50		/																					
						40																							
670																													
						20		/																					
675																													

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mos)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
		HORQUILLA LS																					LIMESTONE: (CONT.) As Above, chert decreasing. No mineralization					
680	100				30		/																					
					25		/																Reduced to NQ @ 681'					
																							Rextln increases sharply.					
685					30												/											
																	/											
690	100				20																							
695					45		/																					
700	100																											
					30												/											
705																												
					50												/											
710					25		/																					

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	HORQUILLA L.S.			30																		LIMESTONE: (CONT.) AS ABOVE.					
715					50																							
720	100				20																							
					25																							
725																												
					40																		Blackjack sphalerite along fracture.					
730	100																											
735					50																							
740	100				35																		Pyrite > 7%					
					20																		SILTSTONE: finely bedded, lt → dk grey in color; f. dissem. pyrite, occasionally occurring as blebs; mildly hornfelsed					
745					35 20																							

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
750	100	HORQUILLA LS			70, 25, 35, 40, 55																		SILTSTONE; (CONT.) As Above. pyrite ≈ 1% or less.					
755					45																							
760	100			4	50		/																LIMESTONE: massive, lt grey to white in color; Rextzd; occasionally skarned (°-v. hard) no identifiable skarn minerals, Rock is occasionally pink in color.					
765	50				50		//											/										
770	100				40, 45		/																					
775				4	90, 40		/											//					Fossiliferous: (Bivalves articulated brachiopods?) (& crinoid stem fragments)					
780					40		/																					

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	HORQUILLA LS.			45		/																LIMESTONE. (CONT.) As Above, increasing Rextlzn.					
785				40	90																		MnOx along fracture 3 1/4"					
790	100				40		/																					
					40		/																					
795																												
800	100				45		/																					
805																												
				40	90																							
810	100																											
					30		/																chert seam.					
815																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					50		/																LIMESTONE: (CONT.) As Above.					
820				5																								
	100	HORQUILLA LS.			40		//																					
					45																							
825																												
					90		/										/											
830																												
	100																											
835																							fossiliferous bed: Crinoid Stem fragments.					
840	100				55		/																					
				5																								
845																												
					80		//																					
850					40		/																					

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
855	100	HORQUILLA LS.		45	50		/																LIMESTONE (CONT.) As Above					
					40		/																SHALE: f[illegible], bedded, dk gr[illegible] m color; hornfelsed; ep[illegible] ation along fractures.					
860	100				70		/																LIMESTONE: As Above.					
865																												
870					55																							
	100				30		/																					
875																												
880				45	30		/																					
885					75		/																					

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
					70		/																LIMESTONE: (CONT.) As Above.					
890	100	HORQUILLA LS.		45	60																							
895					45		/																					
					50		/																					
900	100																											
905	100				25																							
910	100				90		/																					
915					45																		Pyrite ≈ 2%					
920					60		/																					

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	HORQUILLA LS			45		//																LIMESTONE: (CONT.) As Above. minor Wollastonite					
925																												
930	100				40		/																					
935				45	40		//																pyrite << 1%					
940	100																											
945					30		/																					
					70																							
950					90																							
	100																											
955					45		/																					

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Large skarn interval with
mineralization above it stratigraphically

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION
					45		/																LIMESTONE: (CONT) As Above.
960	100	HORQUILLA LS			90																		
965				45	60 60																		
970	100																					/	galena >> Sphalerite
975					45		/																
980	100				90																		
					45		=																galena > sphalerite (associated w/ Qtz vein ≈ 1/4" thick) < 2%
985								100												/			
					45															/			
990																				/			

ASSAY DATA

Au	Ag	Cu	Pb	Zn
.01	2.78	32	200	320
.03	5.38	18	164	462
.93	0z 4.52	31	58	68
0z .08	0z 11.98	40	158	534
0z .12	0z 18.32	206	466	1000
.75	0z 1.12	480	55	542

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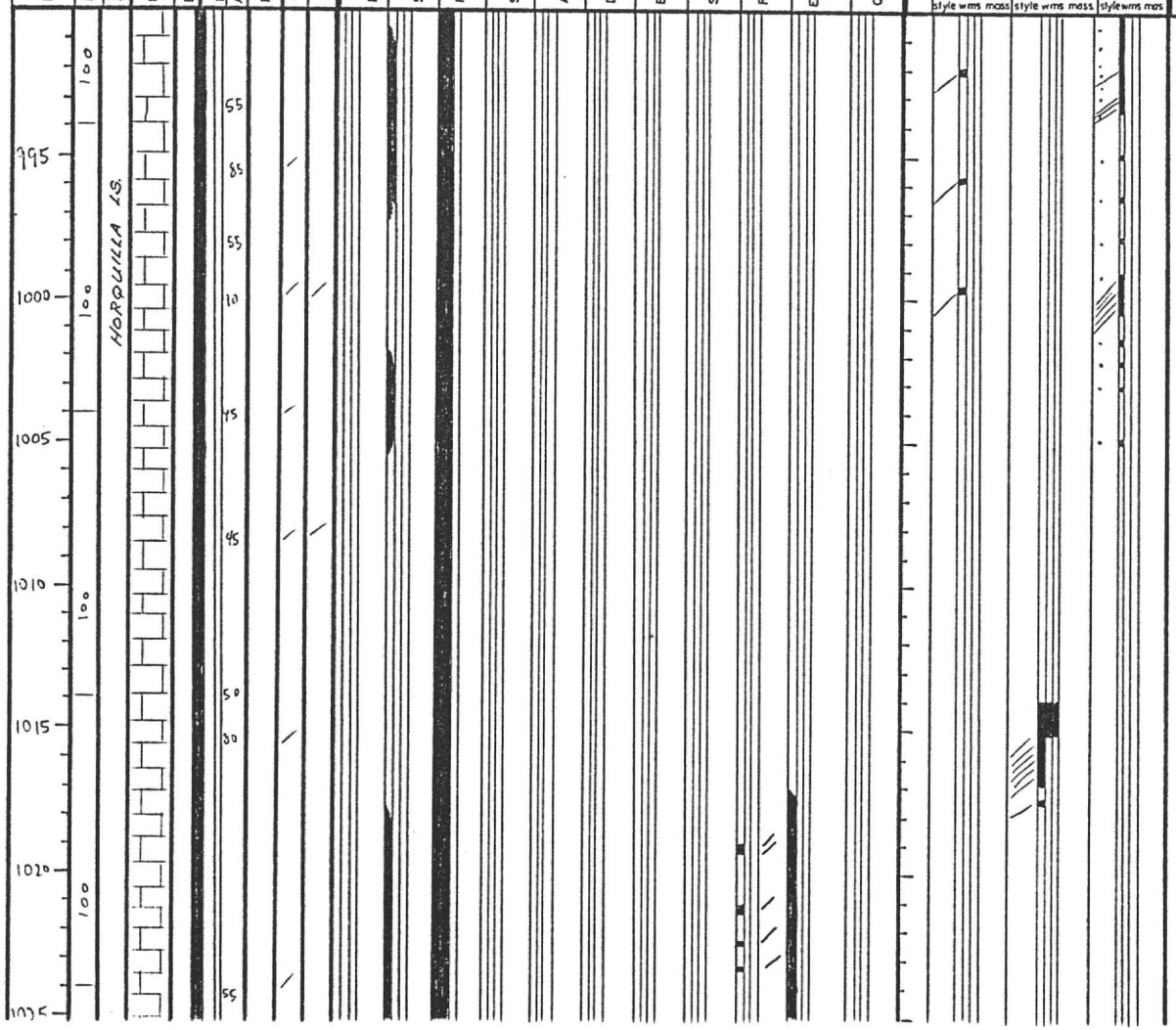

DESCRIPTION

LIMESTONE. (CONT.) As Above; minor Wollastonite

galena > sphalerite > pyrite

MnOx semi-massive (psilomelane?)

Rock becomes pink where assoc. w/ MnOx.

Epidote alteration Starting @ 1018'

ASSAY DATA

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Au	Ag	Cu	Pb	Zn
.01	.75	46	142	261
.24	2.16	38	360	505
ND	2.43	18	404	280
.02	12.14	%.01	%.44	%.39
.01	4.80	16	202	204
.01	6.58	94	280	362
.01	4.80	17	198	160
.01	5.11	%.01	%.24	%.20
.07	5.93	%.01	%.27	%.42
.01	9.46	30	202	222
.02	8.91	%.01	%.30	%.54
ND	2.37	22	121	564
.02	11.73	%.01	%.33	%.27
.01	8.64	%.01	%.27	%.41
.02	2.09	14	420	710
.01	4.32	22	380	440

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
					55		/										■	/					LIMESTONE: (CONT.) As Above, wollastonite Throughout.					
					60		/																					
1030				15																								
	100	HOKPUILLA LS.			90												■	/										
					45		/																					
1035																												
1040	100																											
1045																												
1050	100																											
1055																												
				45																/		■	galena > sphalerite > pyrite all < 2%					
1060																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	HORQUILLA LS			45																		LIMESTONE: (CONT.) As Above. very little fracturing.					
1065																												
1070	100																											
					50																							
1075																												
					45																							
1080	100																						pyrite > galena < 1%					
1085					45																		< 1%					
1090	100																											
1095					60																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1100	100	HORQUILLA LS.																					LIMESTONE: (CONT.) AS ABOVE.					
1105																												
1110	100																											
1115																												
1120	100																											
1125																												
1130																												

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	HORQUILLA LS		55	50																		LIMESTONE: (CONT.) As Above, except occasionally mottled in part; white in color.					
1135					75																		Wollastonite assoc. more w/ veining.					
1140	100																											
1145					40																							
				55																								
1150	100				40																							
1155					45																							
1160	100																											
					45																							
1165																												

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
					45																		LIMESTONE: (CONT.) As Above, No observable bedding					
1170	100	HORQUILLA LS.			60																		Trace sphalerite & pyrite					
1175																												
1180	100				45																		intensity of skarning deminishes. Rextln starts, and increases slightly down section					
					30																							
1185					50																							
1190	100																											
1195					45																							
1200																												

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	HORQUILLA LS.			40																		LIMESTONE: (CONT.) As Above. occasional fossil fragments (crinoid ?); Ls. becoming lt grey in color (original wmlt. Ls.).					
1205					45, 50																							
1210	100				40		/																					
					50																							
1215					70		/																					
					35, 40		//																					
1220	100																											
					40		/																					
1225					45		/																v. Rextlzd section (probably along bedding ≃ 6" Thick).					
1230	100				40		/																					
					55, 50		X /																					
1235																												

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
																							LIMESTONE (CONT.) As Above, becoming grey in color; Clean.					
1240				4	50		/																					
	100	HORQUILLA LS			70																		fossiliferous from 1240' → 1291' = mostly a hash of fusilinids, juvenile articulate brachiopods & occasional horn corals, & (possibly) small crinoid fragments. No mineralization					
1245																												
1250	100				50		//																					
1255				4	70																							
1260	100				75		/																					
1265					50																							
1270				40	45		/																					

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
	100	HORQUILLA LS		40		50																		LIMESTONE: (CONT.) As Above; Signs of bisturation & Burrows; burrows filled w/ micrite.					
1275						50																							
1280	100					20																							
						15																							
1285						20																							
1290	100					40																		Rugosa Sp. (horn Coral) @ 1290' possibly Rugosa lophophyllidium					
1295						55																							
				40																									
1300	100					40																							
						50																		whispy veinlet of pyrite.					
1305																													

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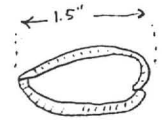
DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
					50		/																LIMESTONE: Becoming bedded; v. little fossils of any kind; except in restricted horizons of 6" ~ 1' in thickness					
1310	100	HORQUILLA LS			65																							
1315				45	45																		@1317'  Brachiopod – probably not articulated Sp?					
1320	100																											
1325					60		//																					
1330	100				50		/																	.01	1.09	26	177	610
					45																		Semi massive Fe-pyrite. [ASSAY]					
1335					50		/																					
1340				45	45		/																					

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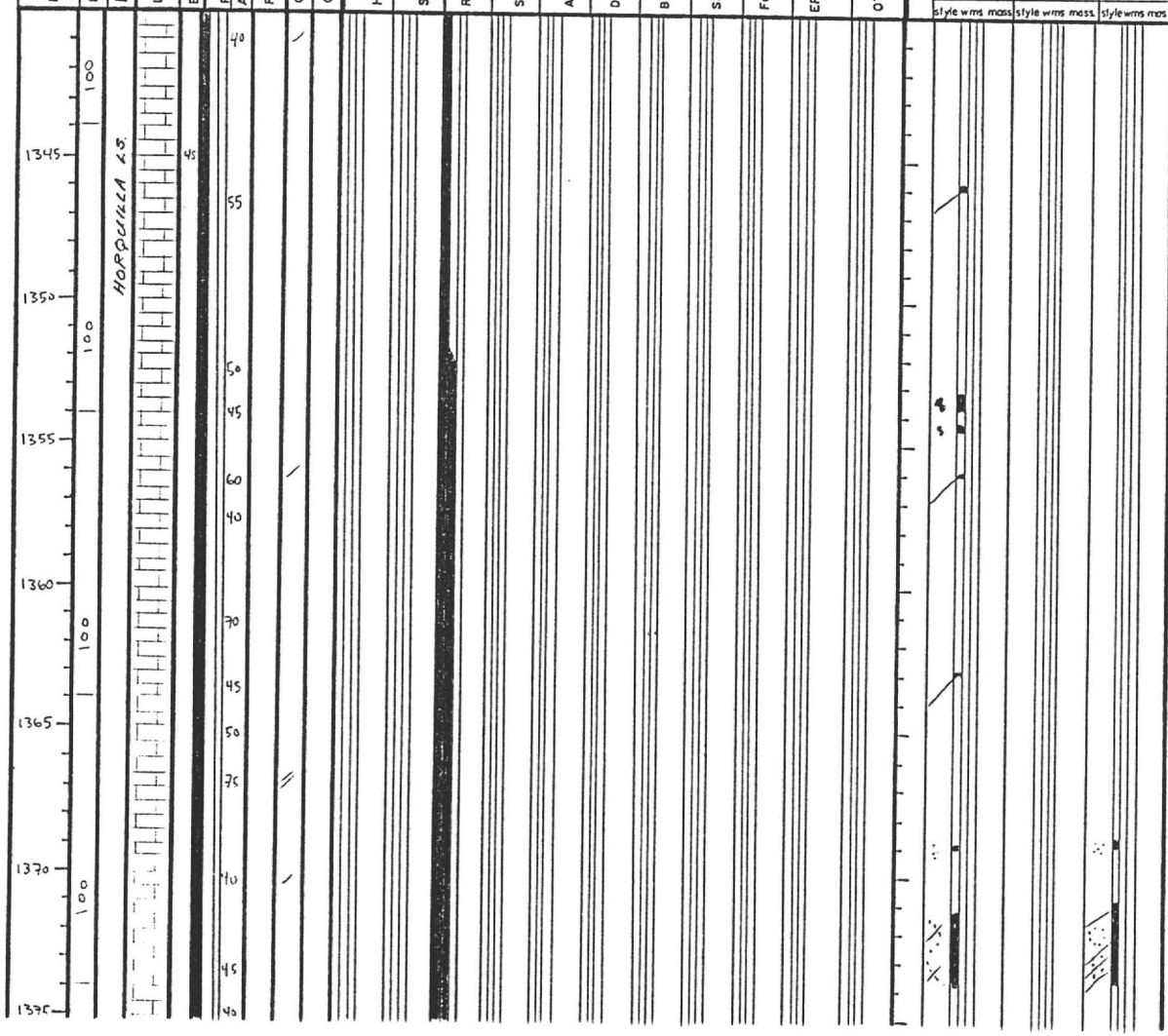
DRILL HOLE: T-5



DESCRIPTION

LIMESTONE: (CONT.) As Above. Some minor Sulfide mineralization,

increasing rextlzn.

< 2%

ASSAY DATA

page: 38

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1340	100	HORQUILLA LS			40																		LIMESTONE: (CONT.) As Above.					
					50																							
1355					40																							
1370	100				60																							
1375					60																		- 1" Rugosa or lophophyllidium ?					
1400	100				10																		2" grey chert nodules 2' abund. crinoid frags					
1405					50																							
1410	100				50																							

DRILL HOLE: T-5

DESCRIPTION

LIMESTONE: as above

- ½" dia rugosa sp

- skarn is qtz + light tan incipient garnet

- 1' bed of brown silicified siltstone

ASSAY DATA page: 40

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	Au	Ag	Cu	Pb	Zn
1445					10																		LIMESTONE: as above					
																							- skarn: as above except contains <<1% v. fine dissem sl both blackjack & amber					
																							- some in v. fine qtz veinlets					
1450	100	HORQUILLA LS.			40																							
1455																												
1460	100				30																							
1465				10	60																							
1470	100				50																		- 2' fossilif zone; mainly crinoid trash; one 1/4" fusilinid					
1475																												
	100				30																							
1480																												

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
1480	100	HORQUILLA LS.			10																		LIMESTONE: as above					
1485					10																							
1490	100				20																		- 1/4"-1/2" brachiopods in x section					
1495					10																		- 1496'-1504' large 1-1 1/4" diameter burrows filled w/ white chert					
1500	100				30																							
1505					30																		- 1505'-1515' burrows as above w/ several intervals of dense crinoid trash					
1510	100																											
1515					40																							

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DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1515					40																		LIMESTONE: as above					
					10																		- 1515' small crinoid & brach frags					
					10																							
1520	100	HORQUILLA LS.																										
1525					50																							
																							- unit has num. white chert burrows (?) to 1550!					
																							- 1533-1544' abund crinoid frags.					
1530	100																											
					20																							
1535																												
1540	100				60																							
1545																												
	100				70																							
1550					60 20															70°								

DRILL HOLE: T-5

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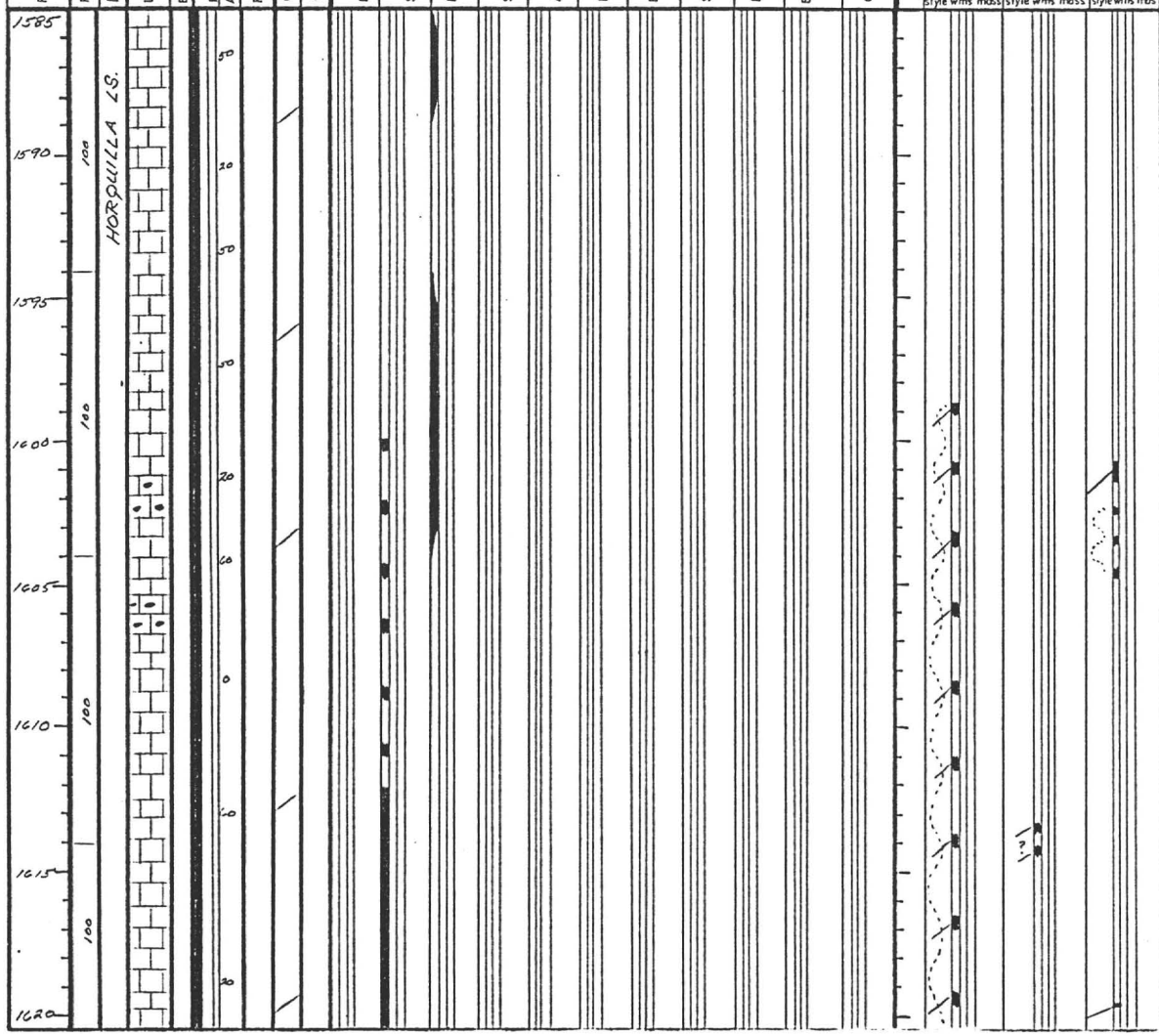
FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1550	100	HORQUILLA LS.			50																		LIMESTONE: as above; chert zones indicated in lith column; notation follows any most are white chert "balls" which may be filling burrows.					
					50																							
1555																							- abun crinoid frags 1553-4'					
1560	100																											
					80																		trace py and sl in tan garnet (?) - silica skarn					
					80																							
1565					20																							
					80																							
					60																							
1570	100																						- 1570-1575': abun crinoid and small brach frags					
					50																							
1575																												
					30																							
1580	100				60																							
					20																							

DRILL HOLE: T-5



DESCRIPTION

LIMESTONE: as above

- skarn patchy @ 1600' - minor wollas. veining; down hole grades into garnet (?) silica skarn ± wollas

1601': ~2% py + cpy on 0° & 20° fracs

1604': 1/8" veinlets @ 20° w/ black- and ambergeek, py on 60° fracs

ASSAY DATA

page: 15

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA (page: 46) Au	Ag	Cu	Pb	Zn
1620	100	HORQUILLA LG.				20																		LIMESTONE (CONT.) As Above					
						30																		High angle ≈20°: amber Sphalerite ≃ Blackjack sphalerite.					
						30																							
1625						85																							
						75																		BLEBS OF WOLLASTONITE					
				55		20																							
	100					70																							
1630						75																		CRINOIDS @ 1630' ≈ 2" Thick zone.					
						20																							
1635						55																							
	100																												
1640						40																							
1645						20																							
	100																							numerous crinoid stems, non-articulated brachs & rugosa to 1654'					
1650						15																							
1655						50																							

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1655					10																		LIMESTONE: as above but increasingly stylolitic					
1660	100	HORQUILLA LS.			40																							
					35																							
1665																												
					50																							
1670	100				40																							
																							— 3' interbed of brown siltstone between 2 10° shears; shears have slicks @ 90° to core axis; siltstone veined w/ calcite ± gtz with sparse py					
1675					10																							
					10																							
					15																							
	100				40																							
1680					0																							
1685																												
	100				50																							
1690																												

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1690	100	HORQUILLA L.S.		50°	50																		LIMESTONE: as above: stylolites die out below 1706'					
					50																							
1695																												
1700	100				40																							
					30																							
1705																							— 1706'-1708' zone of large brachiopods to 1½" across					
					45																							
1710	100																											
					50																		— 1713'-1717' abun. crinoid fragments					
1715																												
					50																							
1720	100																											
					0																		blackjack ¼" embayed in ⅛" vein @ 20° to core axis					
1725	100				55																							

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1725																												
1730	100	HORQUILLA LS.			15																							
1735					30																							
					40																							
1740	100				20																							
1745																												
					0																							
1750	100																											
					35																							
1755																												
	100																											
1760					50																							

LIMESTONE: as above

1727'-1729' banding @ 15° to core axis suggests flowage of ls; abun. crinoid & brach frags; several 1/4" fusilinids

wollas. skarn

— 1/2" wollast. sheaves/needles on fracs

clearly skarning is developed in cherty horizons

fg dissem. of py + blkpk + ambergk assoc w/ margins of irreg. skarn patches.

wollast. skarn

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1760						15																							
				Co ?																									
						15																							
1765																													
	100	HORQUILLA LS.				15																							
1770						30																							
						40																							
						10																							
1775																													
						25																							
						30																							
1780	100																												
						30																							
						40																							
1785																													
						40																							
1790	100																												
						50																							
1795																													

LIMESTONE: as above

1760.5 - 61': 1/8" 45° veinlet + 1/2" repl. blb of blk jack > amber jack > py > cpy

- 193' - 194' bryozoa sp.?

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1795					50																		LIMESTONE: as above					
	100																											
		HORQUILLA LS.																					— 2' zone of abun fusilinids in chert					
																							Triticites sp?					
1800					45																							
	100																											
1805				50?	50																							
1810	100																						— 1810'-1812' num. blk stylolites					
					20																							
1815																												
1820	100				50																							
1825					25																							
	100																											
1830					50																							

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DRILL HOLE: T-5

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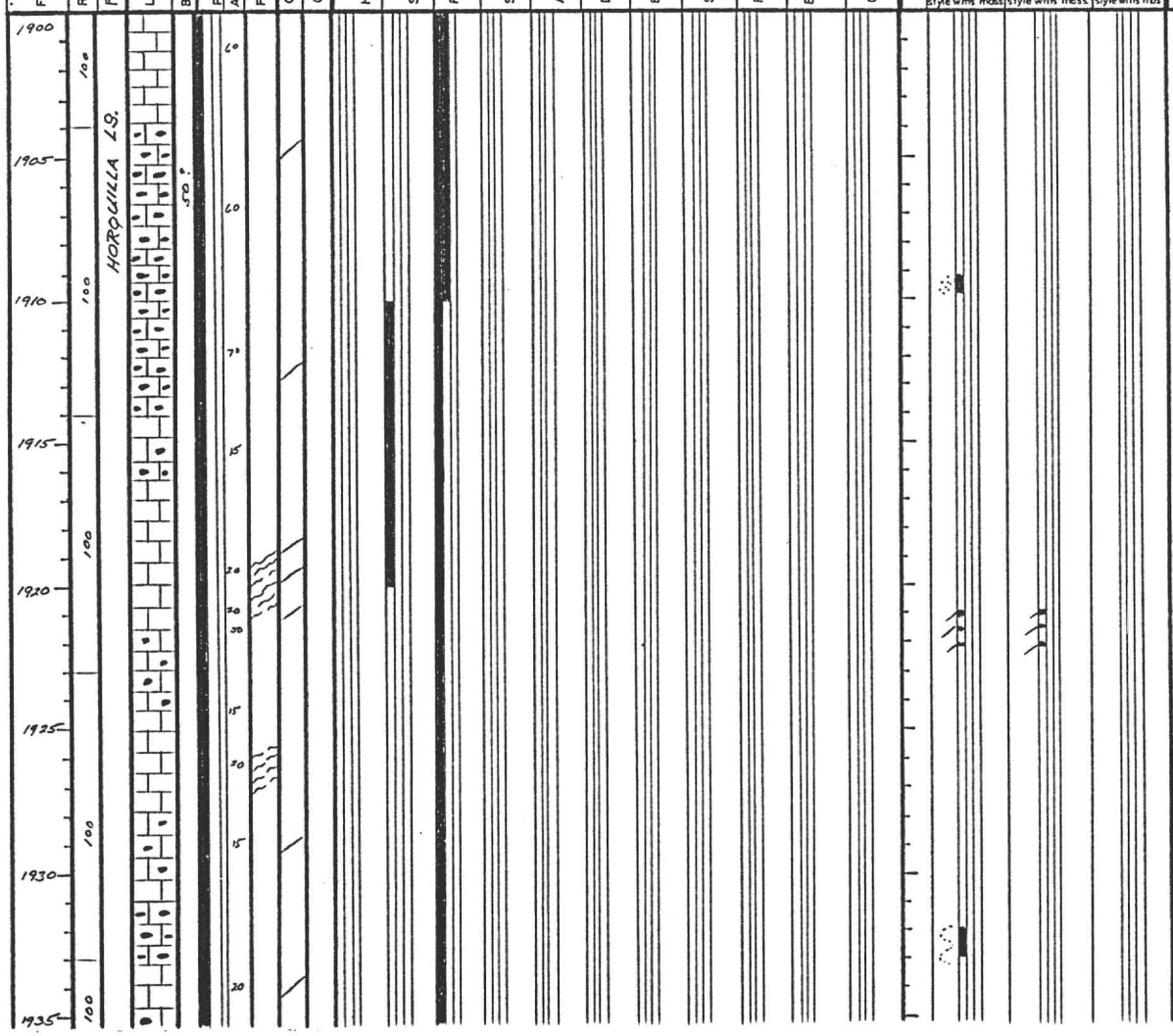
FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1830	100	HORQUILLA LS.			90																		LIMESTONE: as above					
1835					16 35																							
1840	100				25 5 5																		1839-45' plastic flowage in ls w/ abun. crinoid trash					
1845																												
1850	100				10																							
1855					35																		1854'-57' abun. stylolites					
1860	100				20																							
1865					30																							

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1865						30																		LIMESTONE: as above					
1870	100	HOROUILLA LS.				40																							
						40																							
1875				50		60																							
1880	100			50		50																							
						15																							
1885	100																												
1890	100					20																							
1895						5																							
						15																							
1900						20																							

— 1893'-96' plastic flow zone; v. fossiliferous: 0.7" dia crinoid stem; abun. small stem frags; rare bryozoa as above; num. deformed fusilinids ~.1" + Triticites?

DRILL HOLE: T-5



DESCRIPTION

LIMESTONE: as above

— skarn consists of long wallast. needles on fracs and incipient tan garnet (?) formation

— 1919'-1922' plastic flow zone @ 20° to axis. Highly fossilif: crinoid stems to 1/4", and abun. indeter fusilinids .1". 1/16" veinlet @ 50° to axis w/ v. minor blk jack sl and py

ASSAY DATA

page: 54

Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1935					40																		LIMESTONE: as above					
																							SILTSTONE: fn to med gr., med brown mod well-bedded, hornfelsed siltstone					
1940	100	HORQUILLA LS.			30																		hornfels is primarily prem. epidote spotting surrounded by bleached zones					
				50	40																							
1945																												
					40																		LIMESTONE: as above					
1950	100																						— skarn is mottled tan garnet (?), vesuvianite (?) and pink K spar ??					
					30																		— strong styloliths 1950'-					
					0																							
1955																												
	100				50																							
1960																												
1965		ESCABROSA LS. ?																					— 1963' recr. increases dramatically unit becomes or gr white marble (poss. Escabrosa ?)					
	100				40																							
1970																												

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DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
1970	100	ESCABROSA LS.?		35?	30																		LIMESTONE (Marble): as above					
1975					30																							
1980	100				50																							
1985					40																							
1990	100				30																							
1995					30																							
2000	100				50																		— 1999': 1/8" fine covered w/ calcite veins					
2005	100			CO?	40																							
					10																							

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2005		ESCABROSA LS. ?		50	50																		LIMESTONE (Marble): as above					
2010	100				70																							
2015				30	20																		— 3" green gray siltstone interbed					
2020	100				70																							
2025					50																							
2030	100				40																							
2035					70																							
2040	100				50																							

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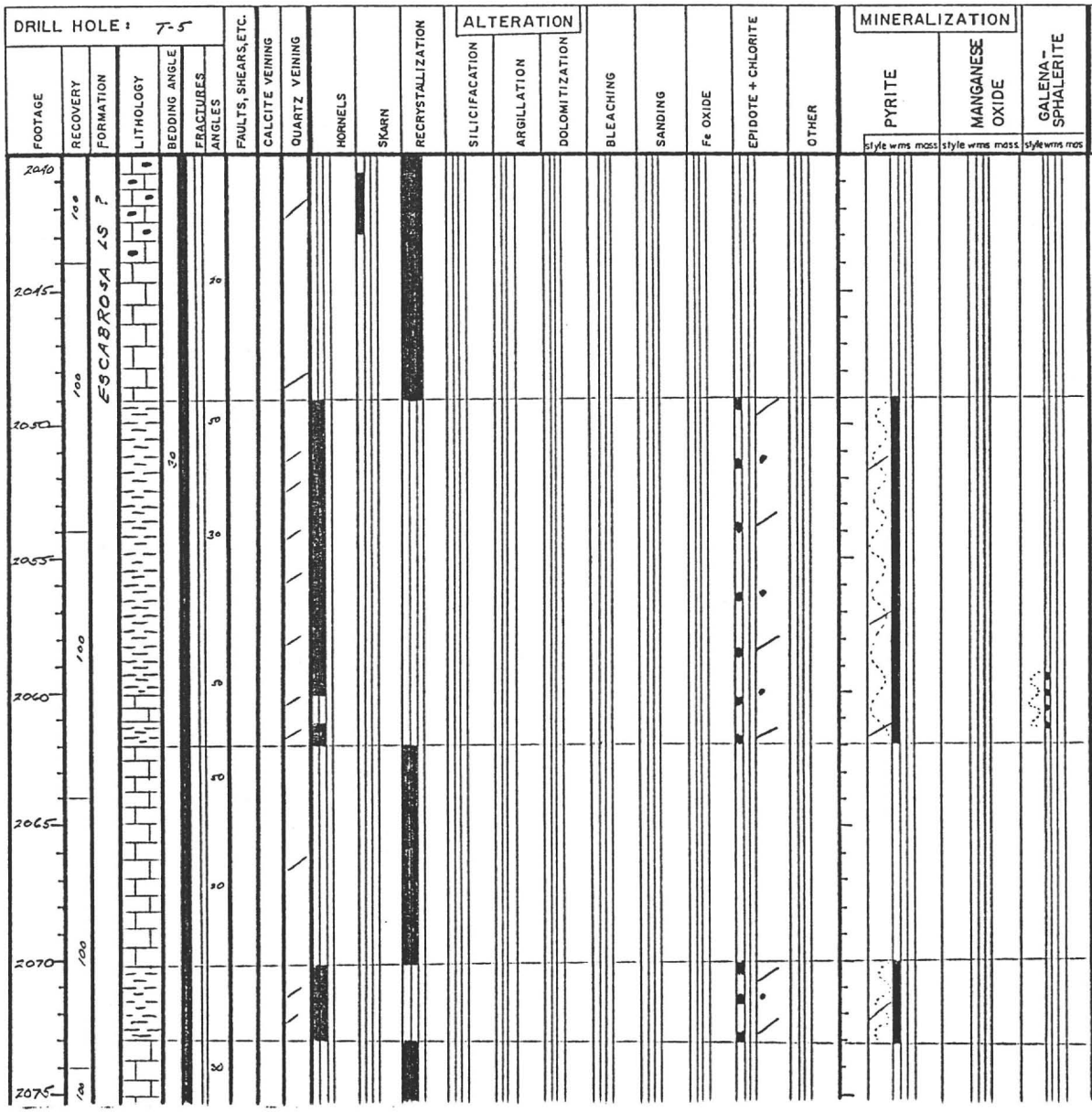
DRILL HOLE: T-5



DESCRIPTION

LIMESTONE (Marble): as above

— wk wollas. skarning around chert nodules

SILTSTONE: fn-med gr, well bedded brown siltstone; mod. hornfelsed w/ distinctive epidote-py "eyes" 1/4-1/2" surrounded by bleached zones and cut by g^tc epidote veinlets.

LIMESTONE: as above except less recrystallized; numerous fossil "ghosts" probably articulated brachs.

SILTSTONE: as above

LIMESTONE: as above

ASSAY DATA

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Au	Ag	Cu	Pb	Zn

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2075	100	EBCABROSA LS ?			50																		LIMESTONE: as above - patchy weak wollast. skarning					
2080					30																							
					20																							
2085					30																		— numerous "ghosts" of articulated brachiopods to 1" across					
2090	100				30																							
					10																		— rare ½" artic. brachs					
2095	100			10°	30																		SILTSTONE: brown; fn gr; but thoroughly bleached in upper parts w/ mottled to "conglomeratic" texture					
2100					30																							
2105	100				10																							
				10°	10																		LIMESTONE: as above					
2110																												

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2110	100	ESCABROSA LS. ?			60																		LIMESTONE: as above					
2115					70																		SILTSTONE: dark grey, med gr, massively bedded					
2120	100				70																							
					30																							
2125					20																		LIMESTONE: as above					
					10																							
2130	100				0																							
2135					50																		SILTSTONE: as above					
					50																							
2140	100				55																		DOLOMITE: med-fn gr, greenish white (op), non-bedded dolomite; polely cp skarning					
					50																							
					0																							
					30																							
2145	100				75																		LIMESTONE: as above					

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	ALTERATION: BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2145					60																		LIMESTONE: as above					
2150	100	EGGABROSA LS. ?		30°	50																		— epidote skarn					
2155					60																		typical thrust zone; 1.5" @ 2160'; .5"					
2160	100				60																							
					30																		SILTSTONE: fn gr, mottled reddish, greenish brown; incip. bleaching along fracs.					
2165					30																							
2170	100				30																		2165' brachiopod in section; .25"; trilobite pleura ?; — epidote skarn					
					40																							
2175	100			30 ?	20																							
					0																							
2180					10																							

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2180	100	ESCABROSA LS. ?		10?	50																		LIMESTONE: as above brach & crinoid trash 2180' - 2184.5'					
2185					30																		trilobite pygidium ⊥ section .27" .5" @ 2183' possibly cryptosymbole hercules lower carboniferous					
2190	100				60 10																		— red siltstone frag.					
2195					50																		— poss. purple fluorite in ⅛" qtz vinlet					
2200					50 5																		— red siltstone frag					
2205					60																							
2210					60																							
2215					15																		— abund. frag of small artic. brachs, crinoids, 1 trilobite pleura and 1 pygidium ⊥ section (non-diag.)					

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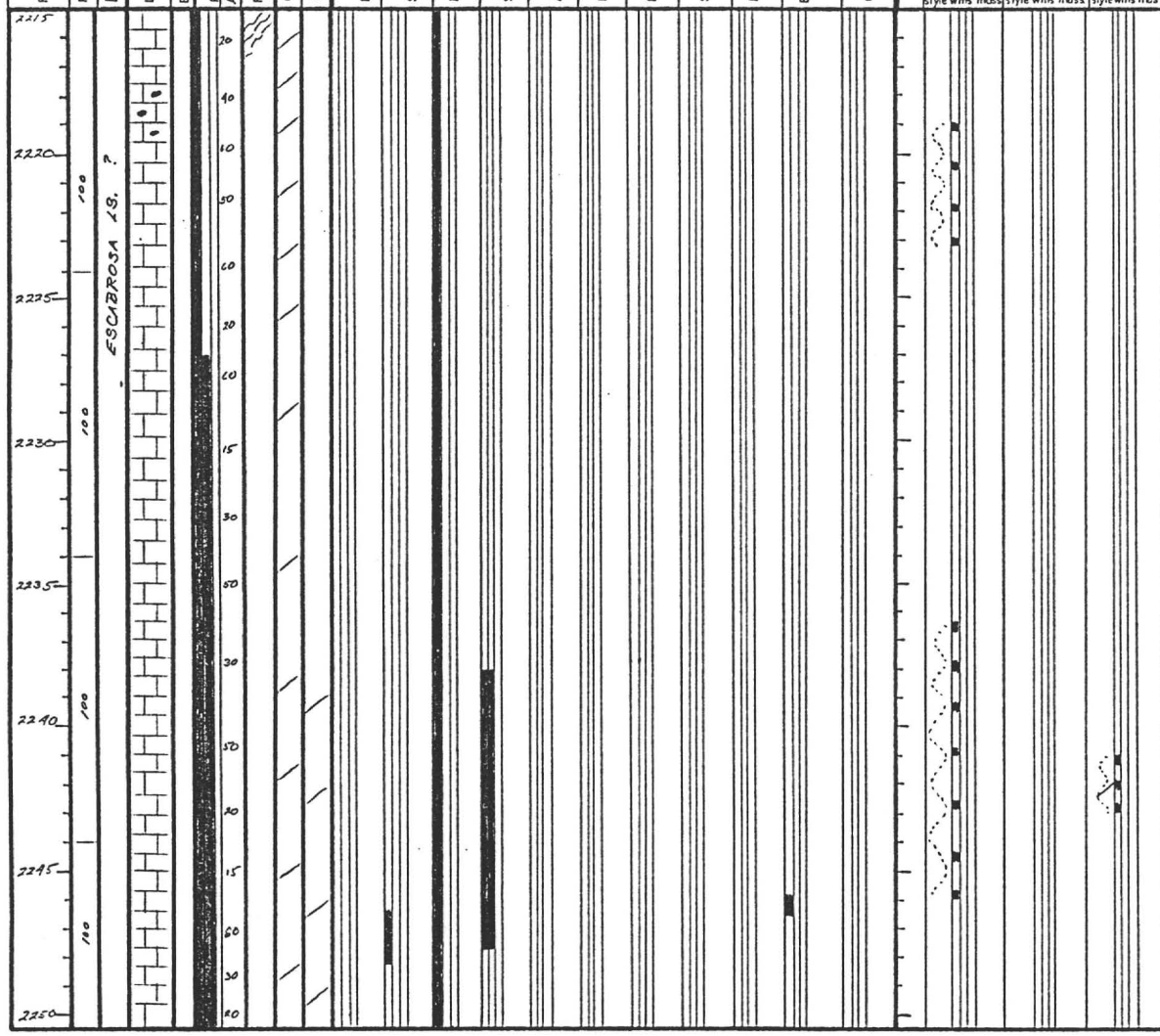
DRILL HOLE: T-5



DESCRIPTION

LIMESTONE: as above

— diss. amberjack around 1/4" veinlet of blk jack and possible gl

ASSAY DATA

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Au	Ag	Cu	Pb	Zn
.07	10.97	%.01	%.14	%.38

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style, wms, mass)	MANGANESE OXIDE (style, wms, mass)	GALENA-SPHALERITE (style, wms, mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2250	100	ESCABROSA LS. ?			50																		LIMESTONE: as above					
2255	100				60																		— py accump in places by an unident. black sooty min. = MnO ?					
2260	100				50																		1.0" .75"					
2265					30																		— gastropod @ 2264.5'					
2270	100				60																							
2275					40																		irreg. due to flash silicification (?) hard, non-effervescing					
2280	100				40																							
2285	100				40																							

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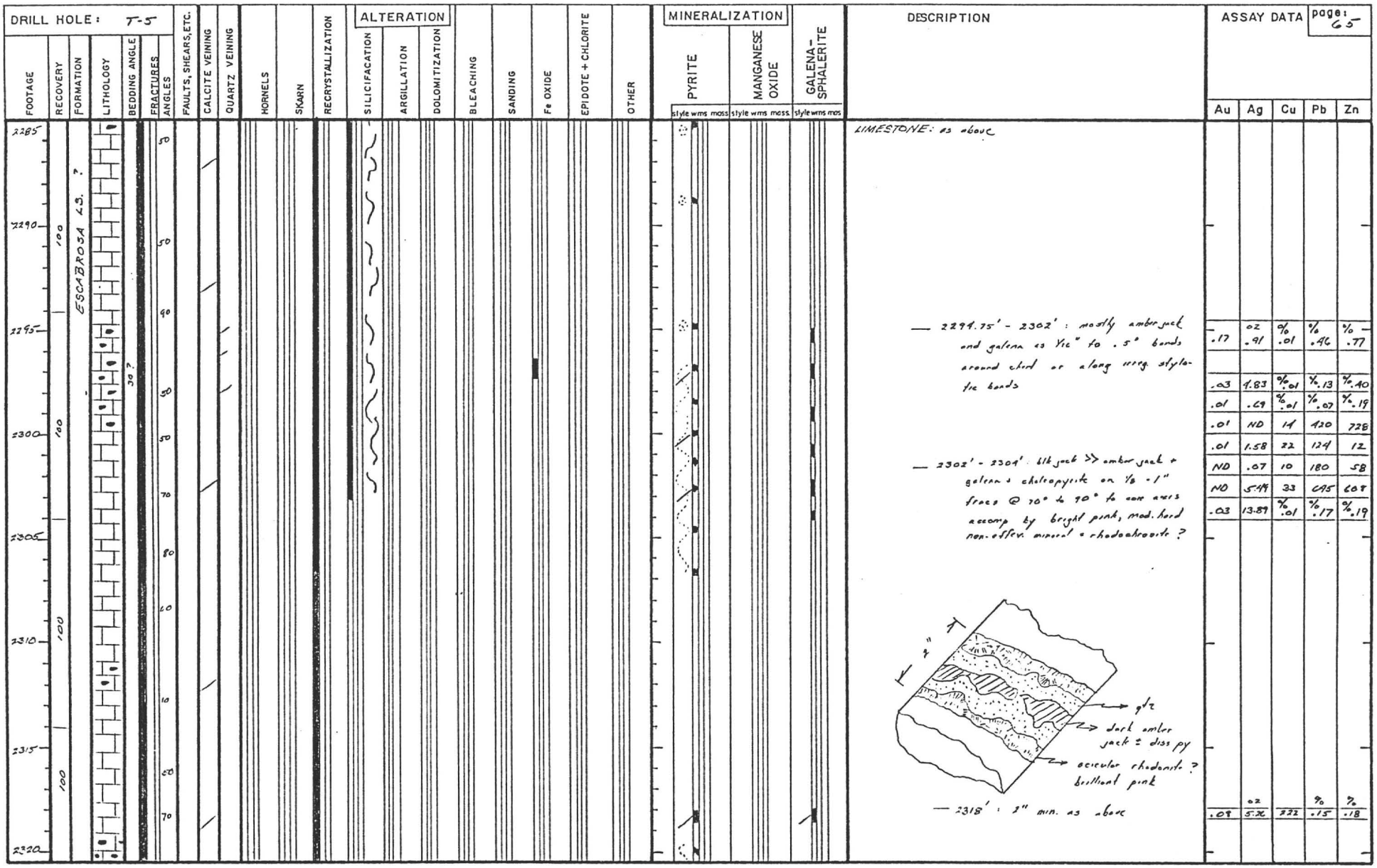
DRILL HOLE: T-5



DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2320	100	EGCABROSA LB.			70		/																LIMESTONE: as above - 3" rhodonite seam @ 2370'					
2325					70																							
					70		/													/								
2330	100				60																							
					60																							
2335					20		/																					
					20																							
2340	100				20			/																				
					20		/																					
2345					20			/ / /																				
					60		/													/								
2350	100																											
					50															/								
2355	100						/															X		.02	9.3%	% .01	% .02	% .14

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2355					30																		LIMESTONE: as above	.01	7.58	47	401	780
																							– 2354' - 2357' green sphalerite as fine discs and along veinlets	.01	0.17	11	18	324
					20																							
2360	90	ESCABROSA LS. ?																										
					10																							
					10																							
2365																												
					10																							
					0																							
2370	100																											
					50																		– 1' vug lined with ½" calcite scalenohedrons					
					40																							
2375																												
					40																							
2380	100																											
					30																							
2385					30																		– 2386' ⅛" veinlet w/ gl > sl > py					
	100																											
					40																							
2390																												

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DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION (see skarn)	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE (see skarn)	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2390					10																		LIMESTONE: as above					
	100	ESCABROSA LS. ?																						ND	1.81	27	320	362
																								ND	ND	% 0.01	% .02	% .12
																								ND	2.91	41	62	78
					20																			ND	.75	10	81	122
2395																								ND	ND	22	104	241
																							— num. small articulated brachs of crinoid stems					
					70																							
2400	100																						SILTSTONE	.03	.65	4	62	77
					60																		LIMESTONE: moderately skarned to give pseudo conglomerate or mottled appearance. Skarn is mottled apple green, pink and grey & consists of abund silica, weak epidote, occasional inclusions ton brown garnet, rare bright green chlorite	ND	ND	5	38	38
																								ND	3.05	16	20	57
																								ND	.31	4	34	60
					60																			ND	.07	11	32	58
2405																								ND	ND	28	301	342
																								ND	2.98	% .01	% .27	% .36
					10																			ND	.31	26	560	482
	100																						All mineralization on this page: either diss or in irreg. v. thin bands. Amberjack ≥ galena >>> black jack which is v. rare					
2410					10																			ND	.48	25	220	506
																								ND	ND	35	372	952
					20																		Mineralization of skarn-silica appear to have ponded below 2409 siltstone					
2415					0																							
																								.01	2.91	% .01	% .30	% .45
					0																			.02	1.23	60	204	240
	100																						SILTSTONE: med gr. dark brown, no bedding visible	.02	2.64	114	182	270
2420																							LIMESTONE: H grey to white, recrystal, massively bedded	.01	1.61	% .01	% .67	% 1.20
					50																			.02	7.44	% .01	% .54	% .95
																								.01	.65	44	55	98
2425	100				40																							

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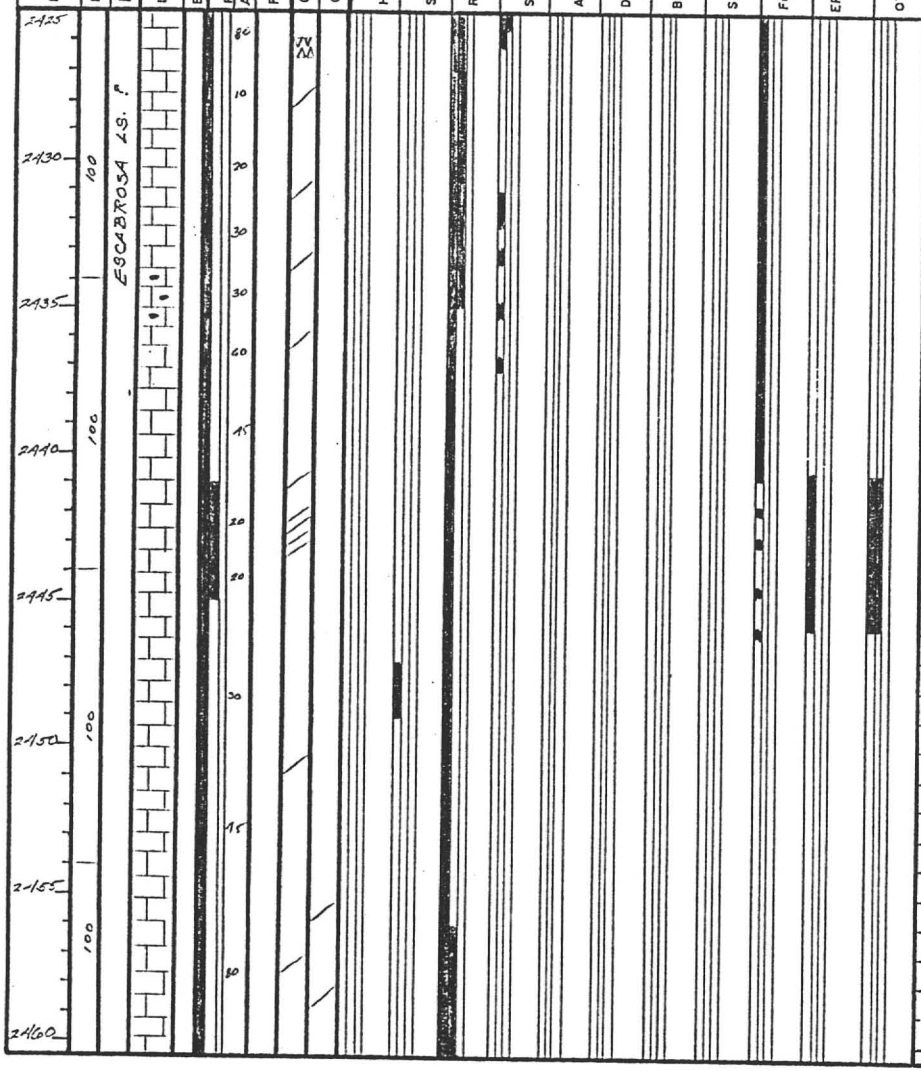
DRILL HOLE: T-5



DESCRIPTION

LIMESTONE: as above

ASSAY DATA

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Au	Ag	Cu	Pb	Zn
.01	5.45	% .16	% .31	% .57
.03	9.33	% .25	% .18	% .32

DRILL HOLE: T-5

FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2460	100	ESCABROSA L.S. ?			60																		SILTSTONE: light grey, fine grained siliceous "cooked" ? rock; matrix is mottled w/ swirled structure around less altered nodules; poss silic ls					
					60																							
2465					50																		LIMESTONE: recrystallized H grey nodules surrounded by siliceous, weakly skarned matrix					
					30																		SILTSTONE: as above, poss silic ls ?					
2470	100				10																							
					70																							
2475					80																		- healed breccia - selenite-filled 1/4" vein					
					70																							
2480	100				30																		LIMESTONE: as above					
					20																							
2485					10																							
					0																		SILTSTONE: as above poss. silic. ls ?					
2490	100				90																							
					80																							
2495	100				70																							

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DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	Au	Ag	Cu	Pb	Zn
2495																							SILTSTONE: ? as above; may be silicified ls					
					60																		LIMESTONE: mod. skarning; only patchy effloru. w/ HCl. Skarn consists of qtz > wollast > tan garnet > pisa yellow vesuvianite > epidote; w/ access. py					
2500	100	ESCABROSA LS. ?			70																							
					80																							
2505					90																		SILTSTONE ?: as above; may be silic. ls					
2510	100				30																		LIMESTONE: skarn as above					
					40																		- mineralization: py >> blk sk >> amber sk	.02	5.18	% .03	% .07	% .17
																								.01	2.26	% .01	% .10	% .17
2515					70																							
2520	100				60																							
					80																							
2525					90																							
					70																							
	100				70																							
2530					70																							

DRILL HOLE: T-5

DESCRIPTION

LIMESTONE: skarned as above

- bjk and ajk on veins @ 30° & 40° to axis

- py vein @ 60°

- py > bjk > ajk

- py > bjk > ajk > gl ?

SILTSTONE: as above

- bjk > gl

- bjk = ajk > py > gl > cpy 4" of layers
sulfides ~ 8%

ASSAY DATA

Au	Ag	Cu	Pb	Zn
.01	1.54	26	140	241
ND	ND	% .01	% .11	% .16
ND	ND	14	80	202
ND	.58	49	240	524
ND	ND	% .08	% .07	% .11
.02	1.65	380	68	304
.01	.07	% .16	% 1.16	% 2.46
.02	ND	136	81	166

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2565																												
					70																							
					70																							
2570	100	ESCABROSA LS. ?		30	55																							
					90																							
2575																							– blk sk					
	100				60																							
2580																							– blk sk					
					70																							
2585																												
	100																						– blk sk on 50° veinlet					
2590																												
					30																							
2595																												
	100																											
2600																												

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2600	100	ESCABROSA L.S. ?			80																		LIMESTONE: clean, recrystallized; as above					
2605					90																							
2610	100				80																		- ½" brachiopods - articulated					
2615					80																							
2620	100				80																							
2625					85																		SILTSTONE: med brown, fine grained, wk'ly hornfelsed w/ epidote					
	100				80																		LIMESTONE: as above					
2630				30	50																		SILTSTONE as above					
	100				75																		LIMESTONE: as above					
2635																												

DRILL HOLE: T-5

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2635					60																		LIMESTONE: as above					
	100	ESCABROSA LS. ?																										
2640					40																							
2645	100																											
2650					50																							
					60																							
2655	100																											
					80																							
2660					90																							
					10																							
					20			Fe																			
2665	100	MARTIN FM ?			30																		SILTSTONE: dk gry, med gr, gritty, highly weathered					
																							LIMESTONE: v. silty "dirty" Fe stained, unaltered					
					70																							
2670																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2670						0																		SILTY LIMESTONE: as above					
						10																							
2675	100	MARTIN FM ?				20																							
						0																		SILTSTONE: tan brown to greenish tan, fine to med grained, massively bedded					
2680						0																							
	100					0																		- chlorite on slicks slicks @ 90° to core axis					
						0																							
2685						0																							
						20																							
						0																							
						0																							
						0																							
2690	100					0																		- breccia is calcite cemented, v. angular clasts average ¼ - ½"					
						10																							
2695	100					0																							
						0																							
2700	100					10																							
						30																							
2705	100					30																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2705																							SILTSTONE: as above					
		MARTIN FM ?			10																		LIMESTONE: weakly skarned w/ a "pseudo-conglomerate structure: rest is "balls" surrounded by skarn matrix of silica, poss incip ton garnet, v. minor epidote & poss trace vesuvianite					
2710	100				50		/																					
								/															— mn: b jack ≃ a jack ~1%					
2715	100				70																							
2720	100				70		/																					
2725					60			/																				
2730	100				50																							
2735					70		/																					
2740	100				90			/																				

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ARGILLATION	DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MANGANESE OXIDE (style wms mass)	GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2710	100	MARTIN FM ?			60		/																LIMESTONE: H grey, weakly recrystallized, non-fossiliferous, massively bedded. Where unit is skarned is similar to descrip. above					
2715					60																		— 1/8" selenite veinlet					
2720	100				50		/																					
2725					30																							
2730	100				60																							
2735					60		/																					
2740	100				30																							
2745					60		/																					
2750	100																											
2755																												
2760	100																											
2765																												
2770	100																											
2775	100																											

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2775					70																		LIMESTONE: "pseudo conglom." skarn as above silica, fan garnet, vesuvianite, wollastonite					
					70																							
2780	100	MARTIN FM ?			60																							
					50																							
2785					60																		— v. minor b jack, trace cpy					
					70																							
2790	100				60																		— skarn as above only w/ additional clots of apple green talc. Also contains extremely irreg. dark "fragments" which are rimmed w/ skarn minerals - may represent remnants of strongly hornfelsed siltstone inter beds					
					70																							
2795					60																							
					60																							
2800	40				50																							
					70																							
2805		100			30																							
2810					20																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2810	100	MARTIN FM ?		30 ?	30																		LIMESTONE: skarned as above w/ more numerous siltstone interbeds ??					
					50																		— several 1/4" talc veins at 2811'-12' @ 30° to axis					
2815					90																							
2820	100				60																		— 6 jack					
2825					70																							
					70																							
2830	100				90																							
2835					50																		— a jack rimmed by 6 jack					
2840	100				60																							
2845	100				90																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2845					30																		LIMESTONE & SILTSTONE: interbedded as shown					
		MARTIN FM ?																										
2850	100				30																							
2855					70																							
					40																							
2860	100																											
					10																							
				50?																								
2865					30																							
					80																							
2870	100																											
					70																		— 2" rhodocrosite - calcite vein w/ tr diss b sph & py. Rhodocrosite is acicular, SH, bright pink and powder others v. weakly. At 80° to core axis					
2875					60																							
	100																											
2880					60																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA Au	Ag	Cu	Pb	Zn
2880	100	MARTIN FM ?			50																		LIMESTONE & SILTSTONE: as above					
					20																		— 6' zone of v. poorly preserved brachiopods & crinoid stems					
2885																												
	100				80																							
2890																												
					40																							
2895					10																							
	100																											
2900				65?	70																							
2905					70																							
2910	100				80																							
2915	100			30?	40																							

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES	ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2915						80																		LIMESTONE & SILTSTONE: as above limestone marble is moderately stylolitic					
2920	100	MARTIN FM ?																											
2925						45																		— b jack rimming a jack 1/16" veinlet					
2930	100					10																							
2935						70																							
2940	100					30																							
2945						50																		— 6" rhodocrosite - qtz vein & repl zone with py in qtz v. & b jack assoc w/ rhodoc. @ 50° to axis					
2950	100																												

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNFELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2950	100	MARTIN FM ?			10																		LIMESTONE: weakly to moderately stylolitic while marble as above					
					60																							
2955																												
	100				50																		SILTSTONE: greenish brown, medium grained, massively bedded siltstone; epidote-rich hornfelsing					
					50																							
2960																												
					70																		LIMESTONE & SILTSTONE: as above; interbedded.					
2965																												
					60																							
	100																											
2970					70																							
2975					60																							
					60																							
2980	100																											
					70																							
2985	100																											

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FOOTAGE	RECOVERY	FORMATION	LITHOLOGY	BEDDING ANGLE	FRACTURES ANGLES	FAULTS, SHEARS, ETC.	CALCITE VEINING	QUARTZ VEINING	HORNELS	SKARN	RECRYSTALLIZATION	ALTERATION: SILICIFACATION	ALTERATION: ARGILLATION	ALTERATION: DOLOMITIZATION	BLEACHING	SANDING	Fe OXIDE	EPIDOTE + CHLORITE	OTHER	MINERALIZATION: PYRITE (style wms mass)	MINERALIZATION: MANGANESE OXIDE (style wms mass)	MINERALIZATION: GALENA-SPHALERITE (style wms mas)	DESCRIPTION	ASSAY DATA: Au	Ag	Cu	Pb	Zn
2985					40																		LIMESTONE & SILTSTONE: as above; interbedded. Spotty garnet skarning					
					20																							
2990	100	MARTIN FM ?																										
					20																							
2995					20																							
					20																							
3000	100																											
					20																							
3005																							TD: 3004' 17Dec88 2130hrs					