60001857

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Resource Estimate 1995 – Anomalous Density Measurements on Drill Core Samples
AUTHOR	
DATE OF DOC(S)	1994
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7½'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; South Zone; East Zone
COMMODITY If not obvious	gold; silver
NOTES	Density measurements; assays; handwritten notes; NOTE: Some pages have notes on back 27p.

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

SS: DP 8/1/08
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

Revised: 1/22/08

ANOMOLOUS DENSITY MEASUREMENTS
ON DRILL CORE SAMPLES (2/94)

60001857

4010

SUMMARY 60001857

ZONE	NO.	DRILL HOLE NO	ASSAY INTERVAL	Au (opt)	DENSITY VALUE	COMMENT (γ = DENSITY)
SOUTH	1	D-7-94	245-250'	.000	2.20	DT POSSIBLE ERROR READING DISPL,
	2	D-16-94	231-235'	.005	2.15	LBT γ VALUE OK (mb FGT-vitro)
	3	D-16-94	240-245'	.008	2.17	" " "
	4	D-16-94	255-260'	.006	2.21	" " "
	5	D-24-94	30-35'	.012	2.67	LBT LOW SAMPLE WEIGHT, BUT γ VALUE OK (pl FGT)
	6	D-24-94	205-210'	.028	2.18	SRF γ VALUE OK (CLAY GOUGE)
	7	D-24-94	215-220'	.003	2.13	" " "
	8	D-24-94	245-250'	.060	1.98	" " "
	9	D-24-94	255-260'	.004	1.98	" " "
	10	D-25-94	60-64'	.056	2.22	LBT γ VALUE OK (LTBx)
	11		205-210'	.089	2.70	LBT DATA ENTRY ERROR 2.70 SHOULD BE Δ'd TO 2.40
	12	D-30-94	155-160'	.002	2.18	LBT γ VALUE OK (LTBx)
	13		210-215'	.105	2.25	LBT - FGT (vitro) γ VALUE OK
	14		220-225'	.116	2.25	" " "
	15		235-240'	.001	2.23	" " " - SAME RX UNIT (vitro), BUT IN HANGING WALL
	16	D-32-94	85-90'	.000	2.24	LBT - fb LT & pl FGT γ VALUE TOO LOW FOR RX TYPE & ALT THROW OUT
	17		95-100'	.000	2.23	S.A.A. THROW OUT γ VALUE
	18		105-110'	.001	2.22	S.A.A. " " "
	19	D-43-94	183.5-186'	.004	2.25	LBT mb FGT (vitro) γ VALUE OK
	20		190-195'	.000	2.25	" " "
	21	D-45-94	80-85'	.000	2.23	LBT LTBx mb ms tocs ml w/ predom. FGT vitro clasts γ VALUE OK

SUMMARY

ZONE	NO.	DRILL HOLE NO	ASSAY INTERVAL	Au (opt)	DENSITY VALUE	COMMENT
SOUTH	22	D-45-94	110 - 115'	.028	2.68	LBT wl FGT & VALUE OK
	23		128.5- 133'	.224	2.08	LBT wl FGT - LST & VALUE OK
	24		142.5 - 148'	.074	2.22	LBT mb FGT - vitro & VALUE OK
	25		165 - 170'	.004	2.11	" " "
	26	D-47-94	20 - 25'	.000	2.65	LBT pl FGT & TOO ~~LOW~~ HIGH - DISCARD
	27		279.4-287'	.000	2.25	DT & TO LOW - DISCARD
	28	D-52-94	100 - 105'	.048	2.20	LBT APPARENT ERROR READING DISPL. - DISCARD & VALUE
	29		160 - 166'	.114	2.10	LBT - LTBx SAME AS ABOVE DISCARD & VALUE
	30	D-76-94	43-45'	.799	2.14	LBT LTBx mb ms ml - vitro clasts predom. 2-3" diam. & OK
	31	D-81-94	175 - 180'	.007	2.07	LBT MGT silic crackle bx - vuggy & OK
	32		251.2 - 255'	.003	2.19	BUD & OK
	33		260 - 265'	.004	2.20	" "
	34		265 - 270'	.011	2.22	" "
	35		275 - 280'	.003	2.24	" "
EAST	36	94-308C	495 - 499'	.002	2.20	CT LJB MATH ERROR Δ & TO 2.25
	37		619 - 624'	.003	2.20	CT LJB MATH ERROR Δ & TO 2.29
	38		764 - 769'	.009	2.10	DT & OK } CHALK LIKE UNIT W/IN DT
	39		779 - 784'	.004	2.00	DT & OK }
	40	94-309C	725 - 730'	.011	1.96	DT & OK } SAME UNIT AS ABOVE
	41		735 - 740'	.030	2.05	DT & OK }
	42	94-314C	499 - 504	.002	2.18	CT DISCARD & VALUE

SUMMARY

ZONE	No.	DRILL HOLE No.	ASSAY INTERVAL	Au (opt)	DENSITY VALUE	COMMENT
EAST	43	94-320C	380-390'	.000	2.23	LBT? mb FGT vitro? & OK
	44		400-405'	.000	2.25	" " "
	45		505-510'	.000	2.25	" " "
	46		535-540'	.000	2.19	" " "
	47		555-560'	.006	2.13	" " "
	48		565-570'	.003	2.23	" " "
	49		697.5-700'	.027	2.68	SRF-EZ & OK (SiO_2-sulf repl.)
	50		705-710'	.099	2.78	SRF-EZ & OK
	51	94-328C	515-520'	.000	2.24	BUD & OK
	52	94-329C	629.5-635'	.013	2.75	CT-SRF-EZ & OK
	53	94-333C	620-625'	.000	2.20	BUD & OK
	54		625-630'	.002	2.70	CT LIB MATH ERROR Δ & to 2.42 g/cc
	55	94-337C	475-485'	.000	2.24	CT H_2O DISPLACEMENT READING ERROR? DISCARD & VALUE
NORTH	56	94-317C	1109-1114'	.067	2.66	Tcs & OK (SiO_2+py repl.)
	57	94-335C	445-464' (actually 445-454' 454-464')	.000	2.22	BUD & OK — 445-454' & 454-464'
	58		464-474'	.000	2.21	BUD & OK
	59		869-874.5'	.010	2.74	DT & OK (SiO_2+sulf+barite)
	60		796-801'	.013	2.72	SRF & OK
	61		1004-1009'	.002	2.72	JRa & OK
	62		1034-1039'	.001	2.87	" "
	63		1044-1050'	.004	2.76	" "
	64	94-339C	634-639'	.002	2.19	UBUD & OK
	65		890.5-894'	.006	2.83	SRF & OK — reflects SiO_2-sulf-Bar
	66		914-919'	.029	2.69	DT & OK

& values shown here are correct

South Zone

Hole ID#	From	To	Au (AVG)	Specific Gravity
D-7-94	245.0	250.0	.000	2.20
D-16-94	231.0	235.0	.005	2.15
	235.0 240.0	245.0	.008	2.17
	245.0 ~~255.0~~	260.0	.006	2.21
D-24-94	30.0	35.0	.012	2.67
	205.0	210.0	.028	2.18
	215.0	220.0	.003	2.13
	245.0	250.0	.060	1.98
	255.0	260.0	.004	1.98
D-25-94	60.0	64.0	.056	2.22
	205.0	210.0	.089	2.70
D-30-94	154 155.0	164 160.0 159	305 140 .002	2.18
	210 210.0	218 215.0 212.5	270.5 120 .105	2.25
	223 220.0	232 225.0 225	292 130 .116	2.25
	232 235.0	239 240.0 237	289.5 130 .001	2.23
D-32-94	85.0	90.0	.000	2.24
	95.0	100.0	.000	2.23
	105.0	110.0	.001	2.22
D-43-94	183.5	186.0	.004	2.25
	190.0	195.0	.000	2.25
D-45-94	80.0	85.0	.000	2.23
	110.0	115.0	.028	2.68
	128.5	133.0	.224	2.08
	142.5	148.0	.074	2.22
	165.0	170.0	.004	2.11
D-47-94	20.0	25.0	.000	2.65
	279.4	287.0	.000	2.25

	Hole ID#	From	To	Au(AVG)	Specific Gravity
South Zone	D-52-94	100.0	105.0	.048	2.20
		160.0	166.0	.114	2.10
	D-76-94	43.0	45.0	.799	2.14
	D-81-94	175.0	180.0	.007	2.07
		251.2	255.0	.003	2.19
		260.0	265.0	.004	2.20
		265.0	270.0	.011	2.22
		275.0	280.0	.003	2.24
East Zone	94-308C	495.0	499.0	.002	2.20
		619.0	624.0	.003	2.20
		764.0	769.0	.009	2.10
		779.0	784.0	.004	2.00
	94-309C	725.0	730.0	.011	1.96
		735.0	740.0	.030	2.05
	94-314C	499.0	504.0	.002	2.18
	94-320C	380.0	390.0	.000	2.23
		400.0	405.0	.000	2.25
		505.0	510.0	.000	2.25
		535.0	540.0	.000	2.19
		555.0	560.0	.006	2.13
		565.0	570.0	.003	2.23
		697.5	700.0	.027	2.68
		705.0	710.0	.099	2.78
	94-328C	515.0	520.0	.000	2.24
	94-329C	629.5	635.0	.013	2.75
	94-333C	620.0	625.0	.000	2.20
		625.0	630.0	.002	2.70
	94-337C	475.0	485.0	.000	2.24

North Zone

Hole ID#	From	To	Au (AVG)	Specific Gravity
94-317C	1109.0	1114.0	.067	2.66
94-335C	445.0	464.0	.000	2.22
94-335C	464.0	474.0	.000	2.21
94-335C	796.0	801.0	.013	2.70
94-335C	869.0	874.5	.010	2.70
94-335C	1004.0	1009.0	.002	2.70
94-335C	1034.0	1039.0	.001	2.90
94-335C	1044.0	1050.0	.004	2.80
94-339C	634.0	639.0	.002	2.20
94-339C	890.5	894.0	.006	2.80
94-339C	914.0	919.0	.029	2.70

ZONE	NO.	DRILL HOLE NO	ASSAY INTERVAL	Au (opt)	DENSITY VALUE	COMMENT

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.

ZONE	NO.	DRILL HOLE NO	ASSAY INTERUAL	Au (opt)	DENSITY VALUE	COMMENT

ZONE	NO.	DRILL HOLE NO	ASSAY INTERUAL	Au (opt)	DENSITY UALUE	COMMENT

305

FORM.

LITH / Length	Au	Au	Au (avg.)	Ag (avg	
0 · 5 5					
5 · 10					
0 - 55'					

FROM	TO	LITH	Au (avg)	Ag (avg)	Spec. G.	Ag	Au	As →

0	55

SUMMARY

ZONE	NO.	DRILL HOLE NO	ASSAY INTERVAL	Au (opt)	DENSITY VALUE	COMMENT (ɣ = DENSITY)
SOUTH	1	D-7-94	245-250'	.000	2.20	DT POSSIBLE ERROR READING DISPL,
	2	D-16-94	231-235'	.005	2.15	LBT ɣ VALUE OK (mb FGT-vitro)
	3	D-16-94	240-245'	.008	2.17	" " "
	4	D-16-94	255-260'	.006	2.21	" " "
	5	D-24-94	30-35'	.012	2.67	LBT LOW SAMPLE WEIGHT, BUT ɣ VALUE OK (pl FGT)
	6	D-24-94	205-210'	.028	2.18	SRF ɣ VALUE OK (CLAY GOUGE)
	7	D-24-94	215-220'	.003	2.13	" " "
	8	D-24-94	245-250'	.060	1.98	" " "
	9	D-24-94	255-260'	.004	1.98	" " "
	10	D-25-94	60-64'	.056	2.22	LBT ɣ VALUE OK (LTBx)
	11		205-210'	.089	2.70	LBT DATA ENTRY ERROR 2.70 SHOULD BE Δ'd TO 2.40
	12	D-30-94	155-160'	.002	2.18	LBT ɣ VALUE OK (LTBx)
	13		210-215'	.105	2.25	LBT - FGT (vitro) ɣ VALUE OK
	14		220-225'	.116	2.25	" " "
	15		235-240'	.001	2.23	" " " - SAME RX UNIT (vitro), BUT IN HANGING WALL
	16	D-32-94	85-90'	.000	2.24	LBT - fb LT & pl FGT ɣ VALUE TOO LOW FOR RX TYPE & ALT THROW OUT
	17		95-100'	.000	2.23	S.A.A. THROW OUT ɣ VALUE
	18		105-110'	.001	2.22	S.A.A. " " "
	19	D-43-94	183.5-186'	.004	2.25	LBT mb FGT (vitro) ɣ VALUE OK
	20		190-195'	.000	2.25	" " "
	21	D-45-94	80-85'	.000	2.23	LBT LTBx mb ms tocs ml w/ predom. FGT vitro clasts ɣ VALUE OK

SUMMARY

ZONE	No.	DRILL HOLE No.	ASSAY INTERVAL	Au (opt)	DENSITY VALUE	COMMENT
SOUTH	22	D-45-94	110 - 115'	.028	2.68	LBT wl FGT ∫ VALUE OK
	23		128.5 - 133'	.224	2.08	LBT wl FGT - LST ∫ VALUE OK
	24		142.5 - 148'	.074	2.22	LBT mb FGT - vitro ∫ VALUE OK
	25		165 - 170'	.004	2.11	" " "
	26	D-47-94	20 - 25'	.000	2.65	LBT pl FGT ∫ TOO ~~LOW~~ HIGH - DISCARD
	27		279.4-287'	.000	2.25	DT ∫ TO LOW - DISCARD
	28	D-52-94	100 - 105'	.048	2.20	LBT APPARENT ERROR READING DISPL. - DISCARD ∫ VALUE
	29		160 - 166'	.114	2.10	LBT - LTBx SAME AS ABOVE DISCARD ∫ VALUE
	30	D-76-94	43-45'	.799	2.14	LBT LTBx mb ms ml - vitro clasts predom. 2-3" diam. ∫ OK
	31	D-81-94	175 - 180'	.007	2.07	LBT MGT silic crackle bx - vuggy ∫ OK
	32		251.2 - 255'	.003	2.19	BUD ∫ OK
	33		260 - 265'	.004	2.20	" "
	34		265 - 270'	.011	2.22	" "
	35		275 - 280'	.003	2.24	" "
EAST	36	94-308C	495 - 499'	.002	2.20	CT LJB MATH ERROR Δ ∫ TO 2.25
	37		619 - 624'	.003	2.20	CT LJB MATH ERROR Δ ∫ TO 2.29
	38		764 - 769'	.009	2.10	DT ∫ OK } CHALK LIKE UNIT W/IN DT
	39		779 - 784'	.004	2.00	DT ∫ OK }
	40	94-309C	725 - 730'	.011	1.96	DT ∫ OK } SAME UNIT AS ABOVE
	41		735 - 740'	.030	2.05	DT ∫ OK }
	42	94-314C	499 - 504	.002	2.18	CT DISCARD ∫ VALUE

SUMMARY

ZONE	NO.	DRILL HOLE NO	ASSAY INTERVAL	Au (opt)	DENSITY VALUE	COMMENT
EAST	43	94-320C	380-390'	.000	2.23	LBT? mb FGT vitro? & OK
	44		400-405'	.000	2.25	" " "
	45		505-510'	.000	2.25	" " "
	46		535-540'	.000	2.19	" " "
	47		555-560'	.006	2.13	" " "
	48		565-570'	.003	2.23	" " "
	49		697.5-700'	.027	2.68	SRF-EZ & OK (SiO_2-sulf repl.)
	50		705-710'	.099	2.78	SRF-EZ & OK
	51	94-328C	515-520'	.000	2.24	BUD & OK
	52	94-329C	629.5-635'	.013	2.75	CT-SRF-EZ & OK
	53	94-333C	620-625'	.000	2.20	BUD & OK
	54		625-630'	.002	2.70	CT LIB MATH ERROR Δ & to 2.42 g/cc
	55	94-337C	475-485'	.000	2.24	CT H_2O DISPLACEMENT READING ERROR? DISCARD & VALUE
NORTH	56	94-317C	1109-1114'	.067	2.66	Tcs & OK (SiO_2+py repl.)
	57	94-335C	445-464' (actually 445-454' 454-464')	.000	2.22	BUD & OK — 445-454'? 454-464'
	58		464-474'	.000	2.21	BUD & OK
	59		869-874.5'	.010	2.74	DT & OK (SiO_2+sulf+barite)
	60		796-801'	.013	2.72	SRF & OK
	61		1004-1009'	.002	2.72	JTra & OK
	62		1034-1039'	.001	2.87	" "
	63		1044-1050'	.004	2.76	" "
	64	94-339C	634-639'	.002	2.19	UBUD & OK
	65		890.5-894'	.006	2.83	SRF & OK — reflects SiO_2-sulf-Bar
	66		914-919'	.029	2.69	DT & OK

& values shown here are correct

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
SOUTH	1	D-7-94	245-250'	249.3'	396g	180 ml	2.20	<.001	<.02
		DT - away from SRF w/ mod. to low frac-density (pale grn ser.)							
	*	POSSIBLE ERROR IN READING H_2O DISPLACEMENT (ie 160 ml vs 180 ml).							
SOUTH	2	D-16-94	231-235'	232'	322g	150 ml	2.15	.005	.07
		LBT - mb FGT (vitrophere) auto bx'd, mod to intense arg-T & chl-T w/ v. wk silic-T & py-T, hanging wall to ORE ZONE							
	*	DENSITY VALUE CONSISTENT W/ ROCK TYPE & ALT.							
SOUTH	3	D-16-94	235-245'	242'	488.5g	225 ml	2.17	.008	.36
		ASSAY — 240-245							
	*	SAME AS No. 2.							
SOUTH	4	D-16-94	255-260'	259'	287g	130 ml	2.21	.006	.11
		ASSAY 255-260							
	*	SAME AS No. 2							
SOUTH	5	D-24-94	29-36'	34'	214g	80 ml	2.67	.012	.08
		ASSAY — 30-35'							
		LBT - pl FGT dense, mod. hard, well indurated, mod. frac'd (3.2/ft.), wk arg-T, py-T, chl-T, silic-T. Density values for interval 0-105' range 2.41 to 2.62 w/ sample weight of 299 to 518.5g.							
	*	SAMPLE WEIGHT FOR THIS SAMPLE (34') IS A LITTLE LOW, BUT RESULTING DENSITY FIGURE IS NOT INCONSISTENT W/ RX TYPE & ALT.							
SOUTH	6	D-24-94	205-215'	207'	305.5g	140 ml	2.18	.028	.15
		ASSAY — 205-210'							
		SRF - fragments of LBT-FGT IN a sericitic-chloritic-illitic clay gouge breccia matrix - majority of rock comprised of clay.							
	*	DENSITY VALUE CONSISTENT W/ ROCK TYPE & ALT.							

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
SOUTH	7	D-24-94	215-225'	218'	255.5g	120ml	2.13	.003	.06
		ASSAY —	215-220'						
	*	SAME AS	No. 6						
SOUTH	8	D-24-94	245-255'	248.5'	257g	130ml	1.98	.060	.57
		ASSAY —	245-250'						
	*	SAME	AS No. 6.						
SOUTH	9	D-24-94	255-260'	258'	276.5g	140ml	1.98	.004	.04
	*	SAME	AS No.	6.					
SOUTH	10	D-25-94	60-70'	64'	332.5g	150ml	2.22	.056	.42
		ASSAY —	60-64'						
		LBT - LTBX ms mb htl, mod. intense arg-T; interval 0-110' ranges 2.35 to 2.47 g/cc w/ 1 sample @ 75' of 2.57g/cc; variablity possibily a function of degree of arg-T & % of sample comprised of clast material							
	*	A LITTLE LOW; BUT NOT TOO INCONSISTENT W/ ROCK TYPE & ALT.							
SOUTH	11	D-25-94	203-210'	208'	288g	120ml	2.40	.089	2.34
		ASSAY —	205-210'						
		LBT - FGT							
	*	DATA ENTRY ERROR (2.40 mis read as 2.70)							
SOUTH	12	D-30-94	154-164'	159'	305g	140ml	2.18	.002	.05
		ASSAY —	155-160'						
		LBT - LTBx mb ms htl, intense chl-T of clasts & large block size clasts; interval 124-184' (same lith unit) range 2.27 to 2.37 g/cc w/ ave. of 2.30 g/cc							
	*	DENSITY FIGURE CONSISTENT W/ ROCK TYPE & ALT.							

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
SOUTH	13	D-30-94	210-218'	212.5'	270.5g	120ml	2.25	.105	7.38
		ASSAY	210-215'						
		LBT – mb FGT (vitrophere) auto bx'd, mod to mod. intense arg-T & chl-T, densely frac'd w/ Chl-$CaCO_3$-sulf-ill on interval 200-255' (same lith unit) range of 2.23-2.45g/cc w/ ave. of 2.32 g/cc – w/in ORE ZONE							
	*	DENSITY VALUE CONSISTENT W/ RX TYPE & DEGREE/TYPE ALT.							
SOUTH	14	D-30-94	223-232'	225'	292g	130ml	2.25	.116	10.00
		ASSAY —	220-225'	* SAME AS		No. 13.			
SOUTH	15	D-30-94	232-239'	237'	289.5g	130ml	2.23	.001	.09
		ASSAY —	235-240'						
	*	SAME AS No. 13 (SAME RX TYPE & ALT, BUT IN IMMEDIATE HANGING WALL TO MINERALIZATION.							
SOUTH	16	D-32-94	85-95'	90'	453g	202ml	2.24	.000	<.02
		ASSAY	85-90'	90'					
		LBT – fb LT & pl FGT – dense, mod. hard; wk silic-T, alun-T, py-T, chl-T & arg-T; mod. to low density frac's w/ $CaCO_3$+py+ill &/or Chl+py							
	*	DENSITY VALUE INCONSISTENT W/ ROCK TYPE & DEGREE/TYPE OF ALT. – WOULD EXPECT VALUES IN 2.35 to 2.52g/cc RANGE.							
SOUTH	17	D-32-94	95-105'	100'	445g	200ml	2.23	.000	<.02
		ASSAY	95-100'	* SAME AS		No. 16.			
SOUTH	18	D-32-94	105-113'	109'	565.5g	255ml	2.22	.001	.04
		ASSAY	105-110'	* SAME AS		No. 16.			
SOUTH	19	D-43-94	180-190'	185'	311g	138ml	2.25	.004	.07
		ASSAY	183.5-186'						
		LBT – mb FGT (vitrophere) mod arg-T + mod. intense chl-T, mod dense frac'd;							
	*	DENSITY VALUE CONSISTENT W/ RX TYPE & ALT.							

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
SOUTH	20	D-43-94	190-200'	195'	326g	145ml	2.25	<.001	.03
		ASSAY —	190-195'						
	*	SAME AS No. 19.							
SOUTH	21	D-45-94	80-90'	83'	401.9g	180ml	2.23	.000	
		ASSAY	80-85'						
		LBT - LTBx mb ms to cs - predominant clast composition of FGT (vitrophere) - arg-T & chl-T mod. intense w/in clasts							
	*	DENSITY VALUE CONSISTENT W/ RX TYPE & ALT. (ONLY VALUE IN THIS HOLE FROM THIS UNIT).							
SOUTH	22	D-45-94	107-115'	112.5'	442g	165ml	2.68	.028	
		ASSAY	110-115'						
		LBT - w/ FGT well indurated Ri - hard wk arg-T + mod. ser-T & silic-T							
		2-7/ft frac's w/ chl-$CaCO_3$-py							
	*	DENSITY VALUE SEEMS A LITTLE HIGH BUT NOT TOO INCONSISTENT W/ RX TYPE & ALT.							
SOUTH	23	D-45-94	124-134'	130'	508.6g	245ml	2.08	.224	
		ASSAY	128.5-133'						
		LBT - w/ FGT silic'd & arg'd crackle bx w/ loc. LST texture open-space stkwk f.g. Q → ill → $CaCO_3$ → sulf							
	*	LOW DENSITY VALUE RESULT OF OPEN-SPACE FROM WASHING OF FRAC-FILL MATERAL - PARTICULARLY ILLITIC CLAYS - AND FROM RX TYPE & ALT							

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
SOUTH	24	D-45-94	144-154'	147'	399.8g	180ml	2.22	.074	
		ASSAY	142.5-148'						
		LBT- mb FGT - becoming vitropheric, mod intense arg-T & chl-T w/ spotted silic-T / alun-T/chl-T, auto bx'd TOP OF ORE ZONE							
	*	AVE DENSITY FOR INTERVAL 120-174' IS 2.225g/cc W/IN ARG'D & CHL'D VITROPHERIC FGT — DENSITY VALUE CONSISTENT W/ ROCK TYPE & ALT.							
SOUTH	25	D-45-94	164-174'	169'	337.7g	160ml	2.11	.004	
		ASSAY	165-170'						
	*	SAME AS No. 24.							
SOUTH	26	D-47-94	17-27'	22'	212g	80ml	2.65	.000	<.02
		ASSAY	20-25'						
		LBT pl FGT wk to mod arg-T & chl-T & mod. intense silic-T.							
	*	SAMPLE WEIGHT TOO LOW — DENSITY SHOULD BE IN 2.40 to 2.50 g/cc RANGE (0-47' ave 2.45 g/cc excluding SAMPLE @ 22').							
SOUTH	27	D-47-94	277-287'	282'	292.5g	130ml	2.25	.000	
			279.4-287'						
		DT 3' From SRF hanging wall contact, wk arg-T & chl-T							
	*	POSSIBLE THAT ARG-T STRONGER THAN NOTED IN LOG ADJACENT TO FAULT OR MORE LIKELY SAMPLE WEIGHT WRONG, TOO LOW, OR OTHER — DENSITY SHOULD BE IN 2.45 to 2.50 RANGE							

ZONE	No.	DRILL HOLE NO.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
SOUTH	28	D-52-94	95-105'	105'	410.2g	190ml	2.20	.048	.77
		ASSAY	100-105'						
		LBT — LJB Log & tech form auto bx'd w/ stkwk SiO_2-chl-py ± tr ill ; does not appear to be strongly arg-T or chl-T							
	*	SAMPLE WEIGHT % H_2O DISPLACEMENT = 2.16 g/cc							
		APPARENT ERROR IN READING DISPLACEMENT OF H_2O							
SOUTH	29	D-52-94	161-165'	165'	425.8g	205ml	2.10	.114	.16
		ASSAY	160-166' — SHOULD BE 160-165'						
		LBT — LJB log & tech form LBT-LTBx mb ms htl - arg-T + alun-T + py-T , mod dense frac'd.							
	*	SAMPLE WEIGHT % H_2O DISPLACEMENT = 2.08 g/cc							
		APPARENT ERROR IN READING DISPLACEMENT OF H_2O							
SOUTH	30	D-76-94	39-49	44'	250.5g	117ml	2.14	.799	
		ASSAY	43-45'						
		LBT - LTBx mb ms htl mod. silic-T (pref. in clasts) + mod arg-T & py-T (pref. in clasts) & mod alun-T; 7 frac's/ft w/ Q-$CaCO_3$-ill-sulf-sulfos;							
	*	SAMPLE COMPRISED PREDOMINANTLY OF 2-3" INTENSELY ARG-CHL VITROPHERIC FGT BX FRAGMENTS							
		SAMPLE WEIGHT A LITTLE LOW							
		DENSITY SHOULD BE 2.20 to 2.35 FOR THIS RX TYPE & ALT.							

ZONE	No.	DRILL HOLE NO.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
SOUTH	31	D-81-94	175-185' ~~180'~~	180'	248.5g	120ml	2.07	.007	.05
		ASSAY	175-180'						
		LBT -	MGT w/	silic -	crackle	bx w/	open-space	- vuggy	f.g.
		x/n Q -	ill - sulf.						
	*	VUGGY	SAMPLE	FROM	WASHING	OF	CLAY-SULF	FRAC/	FILL
		SURROUNDING	DENSITIES	IN	THE	2.33	to	2.43 g/cc	RANGE
SOUTH	32	D-81-94	250-260'	255'	241g	110ml	2.19	.003	.02
		ASSAY	251.2-255'						
		BuD -	fb latitic	lithic	lapilli	ash	flow	tuff.	
	*	DENSITY	VALUE	IS	FINE -	CONSISTENT	w/	RX &	ALT TYPE
SOUTH	33	D-81-94	260-265'	262'	297.5g	135ml	2.20	.004	.07
		ASSAY	260-265'						
	*	SAME	AS	No.	32 -	BuD			
SOUTH	34	D-81-94	265-274'	269'	233g	105ml	2.22	.011	.07
		ASSAY	265-270'						
	*	SAME	AS	No.	32 -	BuD			
SOUTH	35	D-81-94	274-280'	277'	280g	125ml	2.24	.003	.03
		ASSAY	275-280'						
	*	SAME	AS	NO.	32 -	BuD			

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
EAST	36	94-308C	495-504'	499'	483.9	215 ml	2.20	.002	.04
		ASSAY	495-499'						
		CT?	LJB log & tech form				* CHANGE TO:		2.25
	*	DENSITY VALUE ROUNDED DOWN TO 2.2 FROM ACTUAL 2.251 g/cc ERROR LJB							
EAST	37	94-308C	614-624'	620.5'	378.5g	170ml	2.20	.003	.05
			619-624'			ERASED & Δ'd FROM 165 ml			
		CT?	LJB log & teck form						
	*	1. H_2O DISPLACEMENT 1ST RECORDED AS 165ml, THEN ERASED & Δ'd to 170 ml.							
		2. SAMPLE WEIGHT ÷ 170 ml = 2.23 g/cc							
		3. " " ÷ 165 ml = 2.29 g/cc							
		4. I WOULD NOT HESITATE TO USE 2.29 g/cc							
EAST	38	94-308C	763.7-774'	767'	426.2g	205ml	2.10	.009	.08
			764-769'						
		DT "white chalk-like tuff" - I remember this stuff - intensely argillized FGT tuff bed							
	*	SAMPLE WEIGHT ÷ H_2O DISPLACEMENT = 2.08 g/cc DENSITY IS CONSISTENT w/ RX & ALT TYPE							
EAST	39	94-308C	774-784'	780'	507.4g	250ml	2.00	.004	.03
			779-784'						
		DT							
	*	DENSITY OF 2.03 g/cc IS NOT INCONSISTENT BLA BLA BLA.							

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
EAST	40	94-309C	725-735'	730'	430g	220ml	1.96	.011	
		ASSAY	725-730'						
		geo log LJB geo tech RK							
		DT appears to be same intensely arg-T FGT unit as in 94-308C - soft chalk like							
	*	DENSITY VALUE CONSISTENT w/ RX & ALT TYPES					SHOULD BE		1.95g/cc
EAST	41	94-309C	735-745'	740'	441g	215ml	2.05	.030	
		ASSAY	735-740'						
		DT s.q.q.							
	*	SAME AS No. 40							
EAST	42	94-314C	494-504'	500'	284.2g	130ml	2.18	.002	.05
		ASSAY	499-504'						
		CT or BUD LJB geo log RK geotech							
	*	1. MATH ERROR DENSITY SHOULD BE 2.19 g/cm							
		2. SAMPLE WEIGHT TOO SMALL IN COMPARISON TO SURROUNDING SAMPLES 475-584' 449.2 to 656.2g w/ ave DENSITY OF 2.43 g/cc							
		3. THROW OUT THIS VALUE							
EAST	43	94-320C	383-393'	385'	402g	180ml	2.23	.000	
		ASSAY	380-390'						
		CT? LJB geo log RK geotech aph. mb FGT - chl-T strong							
		LBT? - vitrophric FGT							
	*	DENSITY VALUE PROB. OK							
EAST	44	94-320C	393-403'	401'	473g	210ml	2.25	.000	
		ASSAY	400-405'						
	*	CT SAME AS No. 43.							

ZONE	No.	DRILL HOLE NO.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
EAST	45	94-320C	503-513 505-510'	509'	225g	100ml	2.25	.000	
		CT/BUD	? LJB	log RK geo tech			chlorite alt. tuff bx		
	*	SAME	AS No.	43					
EAST	46	94-320C	533-543' 535-540'	537'	372.5g	170ml	2.19	.000	
		CT/BUD?	LJB / RK	epiclastics			alt. to wht clay & chl.		
	*	SAME	AS No.	43	PROB.	OK			
EAST	47	94-320C	553-563' 555-560'	558'	448g	210ml	2.13	.006	
		CT/BUD	s.a.a.	s.a.a.	s.a.a.				
	*	SAME	AS ABOVE		PROB.	OK			
EAST	48	94-320C	563-573' 565-570'	568.5'	379g	170ml	2.23	.003	
		CT/BUD	s.a.a.	s.a.a.	s.a.a.				
	*	S. A. A.	PROB.	OK					
EAST	49	94-320C	696-703' 697.5-700'	699.5'	563.5g	210ml	2.68	.027	
		SRF-EZ	SULFIDE-RICH	silica replaced			fault bx		
	*	DENSITY	VALUE	CONSISTENT		w/ RX & ALT	TYPE		
EAST	50	94-320C	703-711.5' 705-710'	708'	417g	150ml	2.78	.099	
		SRF-EZ	s.a.a.	w/ dk grey sulfide-rich fragments					
	*	DENSITY	VALUE	OK					

ZONE	No.	DRILL HOLE NO.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
EAST	51	94-328C	517-524'	520'	626.5g	280ml	2.24	.000	
		ASSAY	515-520'						
		BUD?	ash flow	tuff	chloritic	alt?	w/ $CaCO_3$	stringers	
	*	DENSITY	VALUE	IS	CONSISTENT	W/	RX	& ALT	TYPE
EAST	52	94-329C	625-635'	630'	606g	220ml	2.75	.013	
		ASSAY	629.5-635'						
		CT hanging wall	of SRF-EZ	w/	mod. silic-T,	blocky	marc +		
		Q + ill + BARITE	+ STIBNITE						
	*	DENSITY	VALUE	REFLECTS	- CONCENTRATION	OF	BARITE		
		& IS	PROB.	OK,					
EAST	53	94-333C	615-625'	621'	527.5g	240ml	2.20	.000	
			620-625'						
		BUD	chl-T of	g/m	& arg-T	of	lithic	fragment	
	*	DENSITY	VALUE	CONSISTENT	W/	RX	& ALT	TYPES	
EAST	54	94-337C	475-483'	479'	447g	200ml	2.24	.000	
			475-485'						
		CT w/	hem + $CaCO_3$	flooding	chl-T &	arg-T	not	mentioned	
	*	POSSIBLE	H_2O	DISPLACEMENT	READING	ERROR	OR	USED	
		OXID' REDRILL	MATERIAL	FROM	NEAR	SURFACE	(START	OF	CORING)
		94-33C	625-630'	628'	617.7	255 ~~BATCH~~	2.70 ~~LOOR~~	.002	2.42

ZONE	No.	DRILL HOLE No.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
NORTH	55	94-317C	1105-1115	1110'	719.2g	270ml	2.66	.067	
			1109-1114'						
		Tcs	pebble congl. & sandstone	— 1109-	1114' ±95	% SiO_2	+ 1% diss		
		py ± ill	on frac's	— total	repl.	of original	sed. dep.	texture.	
	*	DENSITY	VALUE	OK					
NORTH	56	94-335C	444-454'	449'	487.3g	220ml	2.22	.000	
			454-464'	459'	532.5g	240 ml	2.22	.000	
			445-464'						
		BUD	chl-T g/m	w/	arg-T	clasts			
	*	DENSITY	VALUES	(	449' &	459')	ARE	OK	
NORTH	57	94-335C	464-474'	469'	708g	320ml	2.21	.000	
			464-474'						
	*	SAME	AS	ABOVE					
NORTH	58	94-335C	794-804	799'	421.8g	155ml	2.72	.013	
			796-801'						
		SRF	healed	tectonic	bx	w/ repl.	by SiO_2	+ py	— poss.
		barite	— noted	in	interval	below			
	*	PROB.	REASONABLE	DENSITY	FIGURE				
NORTH	59	94-335C	869-874'	870.5'	823.0g	300ml	2.74	.010	
			869-874.5'						
		DT	intense	silic-T	+ Q-sulf-	barite	mineralization		
	*	DENSITY	VALUE	CONSISTENT	w/	Rx &	ALT	TYPES	

ZONE	No.	DRILL HOLE NO.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
NORTH	60	94-335C	1004-1014'	1009'	709.5g	260ml	2.70	.002	
			1004-1009'				(2.73)		
		JRa	silic'd graphitic slate w/ qtz & calcite stringers; py on jointing & frac's. LJB geo log & tech form						
	*	INTERVAL 954-1050' (JRa) ave. DENSITY = 2.65g/cc DENSITY VALUE OF 2.73g/cc IS CONSISTENT W/ RX & ALT TYPE — NO BARITE NOTED BUT MAY BE PRESENT							
NORTH	61	94-335C	1034-1044'	1038.5'	632.0g	220ml	2.90	.001	
			1034-1039'				(2.87)		
		JRa —	s.a.a.						
	*	s.a.a.	No. 60						
NORTH	62	94-335C	1044-1050'	1048'	635.4g	230ml	2.80	.004	
			1044-1050				(2.76)		
		JRa —	s.a.a.						
	*	S.A.A.	No. 60						
NORTH	63	94-339C	634-644'	638'	601.9g	275ml	2.20	.002	
			634-639'				(2.19)		
		UBUD ?	LJB geolog & tech form prop. alt. coarse sandy epiclastic w/ arg-T of clasts.						
	*	DENSITY VALUE CONSISTENT W/ RX & ALT TYPE							

ZONE	No.	DRILL HOLE NO.	INTERVAL	SAMPLE DEPTH	SAMPLE WEIGHT	SAMPLE H_2O DISPL.	CALC. DENSITY	Au (avg.) opt.	Ag (avg.) opt.
NORTH	64	94-339C	894-896.5' 890.5-894'	894'	850g	300ml	2.80 (2.83)	.006	
		SRF	LJB geo log & tech form - intense silic-T w/ repl. of tectonic bx texture - some barite veining w/ fine stibnite dark qtz & fine sulf.						
	*	DENSITY VALUE (2.83g/cc) IS CONSISTENT w/ RX TYPE & ALT.							
NORTH	65	94-339C	914-924' 914-919'	915'	618.4g	230ml	2.70 (2.69)	.029	
		DT? LJB geolog & tech form - silica saturated rock texture repl. by silica some clastic component minor py/marc veining e.g. diss py							
	*	DENSITY VALUE (2.69) IS CONSISTENT w/ RX & ALT TYPE.							