Contractor: Douglas Exploration | Coordinates: 43593.21N 26561.52E | Project: SE Langley Oxide Expl. | Hole No.: R91-817 (L-52)

Drill Type: I.V.I Buggy | Casing Depth: | State: SD | Sheet 1 of 1

Hole Size: 4 1/2" | Bearing: S45E | Inclination: -45° | Date Started: 11-8-91 | Property: Gilt Edge

Collar Elev.: 5314.37' | Final Depth: 180' | Date Completed: 11-8-91 | Hole Surveyed: NO

DRILL CUTTING LOG

Logged by: S. Ringhofer

Distance (feet)	Alteration (Weak / Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	% Sulfides	Rock Type	Geologic Notes: Description (Mineralogy, Alteration, Textures, Grain Size, Fragment Size)	Mineralization: Distribution (Massive, Disseminated, Veinlets, Replacement) / Type	Assay: Au	Assay: Ag
			10	2	0-5	tr-1	PE	0-180 PE Qtz. Mica Schist, black dense, maybe some amphibolite locally??	0-120 Mix, tr-1% fg. dissem. pyrite, mod.-st. FeOx		
					20-25						
					45-50						
					70-75						
								(80-140) amphibolite?			
					95-100						
					120-125	1-2			120-145 Sulfide, ~1-2% pyrite, no-tr. FeOx.		
								(135-140) 1-2% milky chert frags.			
					145-150	tr-1			145—170 Mix, tr-1% pyrite weak-mod. FeOx		
					170-175	1-2			170-180 Sulfide, ~1-2% pyrite		

817

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

BROHM MINING CORPORATION
MR. ROD MACLEOD
PO BOX 485
DEADWOOD, SOUTH DAKOTA
57732

Bondar-Clegg, Inc.
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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R91-12393.4 (COMPLETE)

REFERENCE INFO: R91-810 TO 817

CLIENT: BROHM MINING CORPORATION
PROJECT: NONE GIVEN

SUBMITTED BY: MACLEOD
DATE PRINTED: 19 NOV-91

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	292	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
P PREPARED PULP	292	4 AS REC'D	292	AS RECEIVED. NO SP	292

REPORT COPIES TO: MR. ROD MACLEOD

INVOICE TO: MR. ROD MACLEOD

Bondar-Clegg, Inc.
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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
P4 R91-810 0-5		0.003	P4 R91-810 200-205		<0.002
P4 R91-810 5-10		<0.002	P4 R91-810 205-210		0.010
P4 R91-810 10-15		<0.002	P4 R91-810 210-215		0.002
P4 R91-810 15-20		<0.002	P4 R91-810 215-220		0.003
P4 R91-810 20-25		<0.002	P4 R91-810 220-225		0.007
P4 R91-810 25-30		<0.002	P4 R91-810 225-230		0.003
P4 R91-810 30-35		<0.002	P4 R91-810 230-235		<0.002
P4 R91-810 35-40		<0.002	P4 R91-810 235-240		<0.002
P4 R91-810 40-45		<0.002	P4 R91-810 240-245		<0.002
P4 R91-810 45-50		<0.002	P4 R91-810 245-250		<0.002
P4 R91-810 50-55		0.004	P4 R91-810 250-255		<0.002
P4 R91-810 55-60		<0.002	P4 R91-810 255-260		<0.002
P4 R91-810 60-65		<0.002	P4 R91-811 0-5		0.008
P4 R91-810 65-70		<0.002	P4 R91-811 5-10		<0.002
P4 R91-810 70-75		0.003	P4 R91-811 10-15		<0.002
P4 R91-810 75-80		<0.002	P4 R91-811 15-20		<0.002
P4 R91-810 80-85		<0.002	P4 R91-811 20-25		<0.002
P4 R91-810 85-90		0.006	P4 R91-811 25-30		<0.002
P4 R91-810 90-95		<0.002	P4 R91-811 30-35		<0.002
P4 R91-810 95-100		<0.002	P4 R91-811 35-40		<0.002
P4 R91-810 100-105		<0.002	P4 R91-811 40-45		<0.002
P4 R91-810 105-110		0.005	P4 R91-811 45-50		<0.002
P4 R91-810 110-115		0.003	P4 R91-811 50-55		<0.002
P4 R91-810 115-120		<0.002	P4 R91-811 55-60		<0.002
P4 R91-810 120-125		0.006	P4 R91-811 60-65		<0.002
P4 R91-810 125-130		<0.002	P4 R91-811 65-70		<0.002
P4 R91-810 130-135		<0.002	P4 R91-811 70-75		<0.002
P4 R91-810 135-140		0.006	P4 R91-811 75-80		0.022
P4 R91-810 140-145		0.016	P4 R91-811 80-85		<0.002
P4 R91-810 145-150		<0.002	P4 R91-811 85-90		<0.002
P4 R91-810 150-155		<0.002	P4 R91-811 90-95		<0.002
P4 R91-810 155-160		0.008	P4 R91-811 95-100		<0.002
P4 R91-810 160-165		<0.002	P4 R91-811 100-105		<0.002
P4 R91-810 165-170		<0.002	P4 R91-811 105-110		<0.002
P4 R91-810 170-175		0.012	P4 R91-811 110-115		0.009
P4 R91-810 175-180		0.016	P4 R91-811 115-120		<0.002
P4 R91-810 180-185		<0.002	P4 R91-811 120-125		<0.002
P4 R91-810 185-190		<0.002	P4 R91-811 125-130		<0.002
P4 R91-810 190-195		<0.002	P4 R91-811 130-135		<0.002
P4 R91-810 195-200		0.003	P4 R91-811 135-140		<0.002

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P4 R91-811 140-145		<0.002	P4 R91-812 190-195		0.009
P4 R91-811 145-150		<0.002	P4 R91-812 195-200		0.023
P4 R91-812 0-5		0.022	P4 R91-812 200-205		0.012
P4 R91-812 5-10		0.006	P4 R91-812 205-210		0.006
P4 R91-812 10-15		0.012	P4 R91-812 210-215		<0.002
P4 R91-812 15-20		0.004	P4 R91-812 215-220		<0.002
P4 R91-812 20-25		0.003	P4 R91-812 220-225		<0.002
P4 R91-812 25-30		<0.002	P4 R91-812 225-230		0.004
P4 R91-812 30-35		0.002	P4 R91-812 230-235		0.016
P4 R91-812 35-40		<0.002	P4 R91-812 235-240		0.002
P4 R91-812 40-45		0.003	P4 R91-812 240-245		<0.002
P4 R91-812 45-50		<0.002	P4 R91-812 245-250		0.020
P4 R91-812 50-55		<0.002	P4 R91-812 250-255		<0.002
P4 R91-812 55-60		0.006	P4 R91-812 255-260		<0.002
P4 R91-812 60-65		<0.002	P4 R91-813 0-5		<0.002
P4 R91-812 65-70		<0.002	P4 R91-813 5-10		<0.002
P4 R91-812 70-75		<0.002	P4 R91-813 10-15		<0.002
P4 R91-812 75-80		<0.002	P4 R91-813 15-20		<0.002
P4 R91-812 80-85		0.004	P4 R91-813 20-25		<0.002
P4 R91-812 85-90		0.004	P4 R91-813 25-30		<0.002
P4 R91-812 90-95		<0.002	P4 R91-813 30-35		0.084
P4 R91-812 95-100		<0.002	P4 R91-813 35-40		<0.002
P4 R91-812 100-105		0.003	P4 R91-813 40-45		<0.002
P4 R91-812 105-110		0.011	P4 R91-813 45-50		<0.002
P4 R91-812 110-115		<0.002	P4 R91-813 50-55		<0.002
P4 R91-812 115-120		<0.002	P4 R91-813 55-60		0.006
P4 R91-812 120-125		<0.002	P4 R91-813 60-65		0.010
P4 R91-812 125-130		<0.002	P4 R91-813 65-70		0.022
P4 R91-812 130-135		<0.002	P4 R91-813 70-75		0.020
P4 R91-812 135-140		0.004	P4 R91-813 75-80		0.029
P4 R91-812 140-145		0.006	P4 R91-813 80-85		0.042
P4 R91-812 145-150		<0.002	P4 R91-813 85-90		0.031
P4 R91-812 150-155		0.007	P4 R91-813 90-95		0.016
P4 R91-812 155-160		<0.002	P4 R91-813 95-100		0.018
P4 R91-812 160-165		0.010	P4 R91-813 100-105		0.020
P4 R91-812 165-170		0.002	P4 R91-813 105-110		<0.002
P4 R91-812 170-175		<0.002	P4 R91-813 110-115		<0.002
P4 R91-812 175-180		<0.002	P4 R91-813 115-120		<0.002
P4 R91-812 180-185		0.002	P4 R91-813 120-125		<0.002
P4 R91-812 185-190		<0.002	P4 R91-813 125-130		<0.002

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P4 R91-813 130-135		<0.002	P4 R91-815 20-25		<0.002
P4 R91-813 135-140		<0.002	P4 R91-815 25-30		<0.002
P4 R91-813 140-145		<0.002	P4 R91-815 30-35		<0.002
P4 R91-813 145-150		<0.002	P4 R91-815 35-40		<0.002
P4 R91-814 0-5		0.006	P4 R91-815 40-45		<0.002
P4 R91-814 5-10		<0.002	P4 R91-815 45-50		0.012
P4 R91-814 10-15		<0.002	P4 R91-815 50-55		0.012
P4 R91-814 15-20		<0.002	P4 R91-815 55-60		0.002
P4 R91-814 20-25		<0.002	P4 R91-815 60-65		<0.002
P4 R91-814 25-30		<0.002	P4 R91-815 65-70		<0.002
P4 R91-814 30-35		<0.002	P4 R91-815 70-75		<0.002
P4 R91-814 35-40		<0.002	P4 R91-815 75-80		<0.002
P4 R91-814 40-45		<0.002	P4 R91-815 80-85		<0.002
P4 R91-814 45-50		<0.002	P4 R91-815 85-90		0.002
P4 R91-814 50-55		<0.002	P4 R91-815 90-95		<0.002
P4 R91-814 55-60		<0.002	P4 R91-815 95-100		<0.002
P4 R91-814 60-65		<0.002	P4 R91-815 100-105		<0.002
P4 R91-814 65-70		<0.002	P4 R91-815 105-110		<0.002
P4 R91-814 70-75		<0.002	P4 R91-815 110-115		<0.002
P4 R91-814 75-80		<0.002	P4 R91-815 115-120		<0.002
P4 R91-814 80-85		<0.002	P4 R91-815 120-125		<0.002
P4 R91-814 85-90		<0.002	P4 R91-815 125-130		<0.002
P4 R91-814 90-95		<0.002	P4 R91-815 130-135		<0.002
P4 R91-814 95-100		<0.002	P4 R91-815 135-140		<0.002
P4 R91-814 100-105		<0.002	P4 R91-815 140-145		<0.002
P4 R91-814 105-110		<0.002	P4 R91-815 145-150		<0.002
P4 R91-814 110-115		<0.002	P4 R91-816 0-5		0.002
P4 R91-814 115-120		0.003	P4 R91-816 5-10		<0.002
P4 R91-814 120-125		<0.002	P4 R91-816 10-15		<0.002
P4 R91-814 125-130		<0.002	P4 R91-816 15-20		<0.002
P4 R91-814 130-135		<0.002	P4 R91-816 20-25		<0.002
P4 R91-814 135-140		<0.002	P4 R91-816 25-30		<0.002
P4 R91-814 140-145		<0.002	P4 R91-816 30-35		<0.002
P4 R91-814 145-150		<0.002	P4 R91-816 35-40		<0.002
P4 R91-814 150-155		<0.002	P4 R91-816 40-45		<0.002
P4 R91-814 155-160		<0.002	P4 R91-816 45-50		<0.002
P4 R91-815 0-5		<0.002	P4 R91-816 50-55		<0.002
P4 R91-815 5-10		<0.002	P4 R91-816 55-60		<0.002
P4 R91-815 10-15		<0.002	P4 R91-816 60-65		<0.002
P4 R91-815 15-20		<0.002	P4 R91-816 65-70		0.002

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT
P4 R91-816 70-75		<0.002
P4 R91-816 75-80		<0.002
P4 R91-816 80-85		<0.002
P4 R91-816 85-90		<0.002
P4 R91-816 90-95		<0.002
P4 R91-816 95-100		<0.002
P4 R91-816 100-105		<0.002
P4 R91-816 105-110		<0.002
P4 R91-816 110-115		<0.002
P4 R91-816 115-120		<0.002
P4 R91-816 120-125		<0.002
P4 R91-816 125-130		<0.002
P4 R91-816 130-135		<0.002
P4 R91-816 135-140		<0.002
P4 R91-816 140-145		<0.002
P4 R91-816 145-150		<0.002
P4 R91-817 0-5		<0.002
P4 R91-817 5-10		<0.002
P4 R91-817 10-15		<0.002
P4 R91-817 15-20		0.009
P4 R91-817 20-25		<0.002
P4 R91-817 25-30		<0.002
P4 R91-817 30-35		<0.002
P4 R91-817 35-40		<0.002
P4 R91-817 40-45		<0.002
P4 R91-817 45-50		<0.002
P4 R91-817 50-55		<0.002
P4 R91-817 55-60		<0.002
P4 R91-817 60-65		<0.002
P4 R91-817 65-70		<0.002
P4 R91-817 70-75		<0.002
P4 R91-817 75-80		<0.002
P4 R91-817 80-85		<0.002
P4 R91-817 85-90		<0.002
P4 R91-817 90-95		<0.002
P4 R91-817 95-100		<0.002
P4 R91-817 100-105		<0.002
P4 R91-817 105-110		<0.002
P4 R91-817 110-115		<0.002
P4 R91-817 115-120		<0.002
P4 R91-817 120-125		<0.002
P4 R91-817 125-130		<0.002
P4 R91-817 130-135		<0.002
P4 R91-817 135-140		<0.002
P4 R91-817 140-145		<0.002
P4 R91-817 145-150		<0.002
P4 R91-817 150-155		<0.002
P4 R91-817 155-160		<0.002
P4 R91-817 160-165		<0.002
P4 R91-817 165-170		<0.002
P4 R91-817 170-175		<0.002
P4 R91-817 175-180		<0.002

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STANDARD NAME	ELEMENT UNITS	Au OPT	STANDARD NAME	ELEMENT UNITS	Au OPT
ANALYTICAL BLANK		<0.002			
ANALYTICAL BLANK		<0.002			
ANALYTICAL BLANK		<0.002			
ANALYTICAL BLANK		<0.002			
ANALYTICAL BLANK		<0.002			
ANALYTICAL BLANK		<0.002			
ANALYTICAL BLANK		<0.002			
Number of Analyses		7			
Mean Value		0.0010			
Standard Deviation		0.00000			
Accepted Value		0.002			
AU ASSAY STD		0.146			
AU ASSAY STD		0.143			
Number of Analyses		2			
Mean Value		0.1445			
Standard Deviation		0.00212			
Accepted Value		0.150			
AU PULP STD		0.180			
Number of Analyses		1			
Mean Value		0.1800			
Standard Deviation		-			
Accepted Value		0.184			
AU ASSAY STD		0.013			
AU ASSAY STD		0.013			
AU ASSAY STD		0.016			
AU ASSAY STD		0.014			
Number of Analyses		4			
Mean Value		0.0140			
Standard Deviation		0.00141			
Accepted Value		0.015			

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R91-810 15-20		<0.002	R91-814 20-25		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-810 65-70		<0.002	R91-814 75-80		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-810 125-130		<0.002	R91-814 130-135		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-810 175-180		0.016	R91-815 25-30		<0.002
Duplicate		0.015	Duplicate		<0.002
R91-810 235-240		<0.002	R91-815 80-85		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-811 25-30		<0.002	R91-815 135-140		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-811 85-90		<0.002	R91-816 40-45		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-811 135-140		<0.002	R91-816 95-100		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-812 45-50		<0.002	R91-817 0-5		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-812 95-100		<0.002	R91-817 55-60		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-812 155-160		<0.002	R91-817 110-115		<0.002
Duplicate		<0.002	Duplicate		<0.002
R91-812 205-210		0.006	R91-817 165-170		<0.002
Duplicate		0.009	Duplicate		<0.002
R91-813 5-10		<0.002			
Duplicate		<0.002			
R91-813 55-60		0.006			
Duplicate		0.006			
R91-813 115-120		<0.002			
Duplicate		<0.002			
R91-814 15-20		<0.002			
Duplicate		<0.002			