Contractor: LANG | Coordinates: 46150.18N 26236.06E | Project: EXPANSION | Hole No.: R89-577 (Site 52)

Drill Type: D40K w/o Aux Air | Casing Depth: | State: SD | Sheet 1 of 3

Hole Size: | Bearing: — | Inclination: -90 | Date Started: | Property: Gilt Edge / W. Dakota Maid

Collar Elev.: 5443.2 | Final Depth: 445' | Date Completed: | Hole Surveyed: NO

Distance (feet)	Alteration (Weak / Moderate / Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement) / Type	Assay: Au	Ag
		Oxide	1	3	0-5		Fill	0-35 Fill	0-35 Oxide		
					20-25						
		tr-1	30	2			Cdh	35-95 Cambrian Deadwood Hornfels	35-150 Mix. Tr-1% pyrite, 40-60% oxidation mostly on fracts.		
					45-50						
					70-75						
			60		95-100		Tfp	95-115 Trachyte porphyry			
			30		120-125		Cdh	115-150 Camb. Deadwood Hornfels			
					145-150						
		1-2	40	1			Cdq	150-165 Camb. Deadwood Quartzite	150-165 Sulfide. 1-2% pyrite, f.g. disem in Quartzite		
		Oxide	60	3	170-175		Tfp	165-190 Trachyte porphyry	165-300 Oxide. heavy oxidation, NO visible sulfides		

MEDS READY 577-598

DRILL CUTTING LOG

Logged by: S. Kingsbury

Contractor _____ Coordinates _____ Project _____ Hole No. R89-577

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of 3

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

GRAPHIC LOGS				DOWN HOLE LOCATION		GEOLOGIC NOTES				
DISTANCE (feet)	ALTERATION	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement) / TYPE	ASSAY: Au / Ag
		Oxide	60	3	175-180		Ttp	Trachyte porphyry cont.		
			10				PE	190-195 Xenolith of PE Schist		
			60		195-200		Ttp	195-235 Trachyte Porphyry		
					220-225					
			10				PE	235-250 PE Schist		
					245-250					
			60				Ttp	250-300 Trachyte Porphyry		
					270-275					
					295-300					
		tr-1	10	2			Pe	300-310 PE Schist	300-310 Mix. tr-1% Avnite	
		1-2	60	1			Ttp	310-315 Trachyte porphyry	310-315 Sulfide 1-2%	
		tr-1	10	2			PE	315-360 PE Schist	Avnite	
		Oxide		3	320-325				315-320 Mix tr-1% Avnite	
									320-365 Oxide	
					345-350					

DRILL CUTTING LOG

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R89-577

Drill Type _____ Casing Depth _____ State _____ Sheet 3 of 3

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

Distance (feet)	Alteration (Weak, Moderate, Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Down Hole Location: Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlets, Replacement)	Mineralization: Type	Assay: Au	Assay: Ag
		Oxide	10	3	350-355		PE	PE Schist cont.				
			60				Ttp	360-405 Trachyte Porphyry	365-405 Mix. tr-1%			
		tr-1		2					Pyrite. 20-50% oxidized			
					370-375				& mass.			
					395-400							
		Tr	10	2			PE	405-445 PE Schist.	405-445 Sulfide.			
									NO oxidation, Tr. Pyrite.			
					420-425							
								Hole TD 445'				
					445-450							
					470-475							
					495-500							
					520-525							

DRILL CUTTING LOG

Logged by:

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31914.4 (COMPLETE)

REFERENCE INFO: NONE GIVEN

CLIENT: BROHM MINING CORPORATION
PROJECT: NONE GIVEN

SUBMITTED BY: BARRON
DATE PRINTED: 3-OCT-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	17	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	17	2 -150	17	ASSAY PREP	17
				SAMPLE PICKUP/MILE	1

REMARKS: SAMPLES R89-577 15-20 THROUGH 30-35
WERE NOT INCLUDED.
1AT GOLD (29.17G)

REPORT COPIES TO: MR. JIM BARRON
MR. ROD MCCLEOD

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31914.4

DATE PRINTED: 3-OCT-89
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
Z2 R89-577 0-5		0.007
Z2 R89-577 5-10		0.004
Z2 R89-577 10-15		0.003
Z2 R89-577 35-40		0.020
Z2 R89-577 40-45		0.011
Z2 R89-577 45-50		0.006
Z2 R89-577 50-55		0.006
Z2 R89-577 55-60		0.011
Z2 R89-577 60-65		0.042
Z2 R89-577 65-70		0.002
Z2 R89-577 70-75		0.011
Z2 R89-577 75-80		0.002
Z2 R89-577 80-85		0.004
Z2 R89-577 85-90		0.005
Z2 R89-577 90-95		0.009
Z2 R89-577 95-100		0.017
Z2 R89-577 100-105		0.009

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: R89-31914.4

DATE PRINTED: 3-OCT-89
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R89-577 40-45		0.011
Duplicate		0.012
R89-577 90-95		0.009
Duplicate		0.008

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
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BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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

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702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31915.4 (COMPLETE)

REFERENCE INFO: NONE GIVEN

CLIENT: BROHM MINING CORPORATION
PROJECT: NONE GIVEN

SUBMITTED BY: BARRON
DATE PRINTED: 6-OCT-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	68	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	68	2 -150	67	ASSAY PREP	68
		3 -20+80	1	EXCESSIVE WETNESS/LB	929
				SAMPLE PICKUP/MILE	1

REMARKS: 1AT GOLD (29.17G)

REPORT COPIES TO: MR. JIM BARRON
MR. ROD MCCLEOD

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31915.4

DATE PRINTED: 6-OCT-89
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
Z2 R89-577 105-110		0.024	Z2 R89-577 305-310		0.014
Z2 R89-577 110-115		0.025	Z2 R89-577 310-315		0.023
Z2 R89-577 115-120		0.013	Z2 R89-577 315-320		0.015
Z2 R89-577 120-125		0.029	Z2 R89-577 320-325		0.019
Z2 R89-577 125-130		0.013	Z2 R89-577 325-330		0.054
Z2 R89-577 130-135		0.005	Z2 R89-577 330-335		0.011
Z2 R89-577 135-140		0.003	Z2 R89-577 335-340		0.019
Z2 R89-577 140-145		0.003	Z2 R89-577 340-345		0.005
Z2 R89-577 145-150		0.005	Z2 R89-577 345-350		0.004
Z2 R89-577 150-155		0.010	Z2 R89-577 350-355		0.023
Z2 R89-577 155-160		0.014	Z2 R89-577 355-360		0.010
Z2 R89-577 160-165		0.008	Z2 R89-577 360-365		0.012
Z2 R89-577 165-170		0.002	Z2 R89-577 365-370		0.006
Z2 R89-577 170-175		0.002	Z2 R89-577 370-375		0.003
Z2 R89-577 175-180		<0.002	Z2 R89-577 375-380		<0.002
Z2 R89-577 180-185		0.002	Z2 R89-577 380-385		<0.002
Z2 R89-577 185-190		0.004	Z2 R89-577 385-390		0.003
Z2 R89-577 190-195		0.006	Z2 R89-577 390-395		0.004
Z2 R89-577 195-200		0.004	Z2 R89-577 395-400		0.003
Z2 R89-577 200-205		0.002	Z2 R89-577 400-405		0.006
Z2 R89-577 205-210		0.005	Z2 R89-577 405-410		<0.002
Z2 R89-577 210-215		0.005	Z2 R89-577 410-415		0.004
Z2 R89-577 215-220		0.022	Z2 R89-577 415-420		<0.002
Z2 R89-577 220-225		0.010	Z2 R89-577 420-425		<0.002
Z2 R89-577 225-230		0.005	Z2 R89-577 425-430		0.002
Z2 R89-577 230-235		0.010	Z2 R89-577 430-435		0.002
Z2 R89-577 235-240		0.005	Z2 R89-577 435-440		<0.002
Z2 R89-577 240-245		<0.002	Z2 R89-577 440-445		<0.002
Z3 R89-577 245-250		0.023			
Z2 R89-577 250-255		0.019			
Z2 R89-577 255-260		0.010			
Z2 R89-577 260-265		0.007			
Z2 R89-577 265-270		0.005			
Z2 R89-577 270-275		0.005			
Z2 R89-577 275-280		<0.002			
Z2 R89-577 280-285		0.014			
Z2 R89-577 285-290		0.023			
Z2 R89-577 290-295		0.009			
Z2 R89-577 295-300		0.008			
Z2 R89-577 300-305		0.007			

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
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BONDAR-CLEGG

Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: R89-31915.4

DATE PRINTED: 6-OCT-89
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R89-577 130-135		0.005			
Duplicate		0.005			
R89-577 180-185		0.002			
Duplicate		0.002			
R89-577 240-245		<0.002			
Duplicate		<0.002			
R89-577 290-295		0.009			
Duplicate		0.009			
R89-577 350-355		0.023			
Duplicate		0.029			
R89-577 400-405		0.006			
Duplicate		0.004			

```
"TITLE 03-10-89 17:06:57 R89-31914.4   BARRON                25/09/89"
"CLIENT BROHM MINING CORPORATION                            "
"PROJECT NONE GIVEN      #SAMPLES:   17 REFERENCE: NONE GIVEN                    "
"SPECIAL VALUES"
"  IS Insufficient Sample"
"  -9 No Value Recorded"
" Values above the upper limit are shown as  +uplimt"
" Values below the lower limit are shown as  -lolmt   (ie not detected)"
"DETERMINATIONS"
"     ELNAME METHO ECO UNI #SAM LOLMT UPLIMT COMMENTS"
"  01 Au     FA        OPT   17 0.002 999.90 Results Reported     "
"SAMPLE PREPS"
"  40 SAMPLE TYPE=Z      OTHER DRILL TYPES   "
"  41 P17=  17           ASSAY PREP          "
"  42 P98=   1           SAMPLE PICKUP/MILE  "
"REMARKS"
"  50 SAMPLES R89-577 15-20 THROUGH 30-35            "
"  51 WERE NOT INCLUDED.                             "
"  52 1AT GOLD (29.17G)                              "
"****"
"FORMAT (A8,1X,A1,A1,1X,A20,1(1X,A7,A1))"
"BEGIN " "Type" "Frac" "Sample ID"          "    Au"
"19140001" "Z" "2" "R89-577 0-5          "    0.007
"19140002" "Z" "2" "R89-577 5-10         "    0.004
"19140003" "Z" "2" "R89-577 10-15        "    0.003
"19140004" "Z" "2" "R89-577 35-40        "    0.020 <-- 35-40
"19140005" "Z" "2" "R89-577 40-45        "    0.011
"19140007" "Z" "2" "R89-577 45-50        "    0.006
"19140008" "Z" "2" "R89-577 50-55        "    0.006
"19140009" "Z" "2" "R89-577 55-60        "    0.011
"19140010" "Z" "2" "R89-577 60-65        "    0.042 --- 60-65
"19140011" "Z" "2" "R89-577 65-70        "    0.002
"19140012" "Z" "2" "R89-577 70-75        "    0.011
"19140013" "Z" "2" "R89-577 75-80        "    0.002
"19140014" "Z" "2" "R89-577 80-85        "    0.004
"19140015" "Z" "2" "R89-577 85-90        "    0.005
"19140016" "Z" "2" "R89-577 90-95        "    0.009
"19140017" "Z" "2" "R89-577 95-100       "    0.017
"19140018" "Z" "2" "R89-577 100-105      "    0.009
"END"
```

```
"TITLE 06-10-89 17:10:00 R89-31915.4   BARRON                27/09/89"
"CLIENT BROHM MINING CORPORATION                                      "
"PROJECT NONE GIVEN      #SAMPLES:   68 REFERENCE: NONE GIVEN                    "
"SPECIAL VALUES"
"  IS Insufficient Sample"
"  -9 No Value Recorded"
" Values above the upper limit are shown as  +uplimt"
" Values below the lower limit are shown as  -lolmt   (ie not detected)"
"DETERMINATIONS"
"     ELNAME METHO ECO UNI #SAM LOLMT UPLIMT COMMENTS"
"  01 Au     FA        OPT   68 0.002 999.90 Results Reported     "
"SAMPLE PREPS"
"  40 SAMPLE TYPE=Z      OTHER DRILL TYPES   "
"  41 P17=  68           ASSAY PREP          "
"  42 P64= 929           EXCESSIVE WETNESS/LB"
"  43 P98=   1           SAMPLE PICKUP/MILE  "
"REMARKS"
"  50 1AT GOLD (29.17G)                                   "
"****"
"FORMAT (A8,1X,A1,A1,1X,A20,1(1X,A7,A1))"
"BEGIN " "Type" "Frac" "Sample ID"          "    Au"
"19150001" "Z" "2" "R89-577 105-110     "    0.024
"19150002" "Z" "2" "R89-577 110-115     "    0.025
"19150003" "Z" "2" "R89-577 115-120     "    0.013
"19150004" "Z" "2" "R89-577 120-125     "    0.029
"19150005" "Z" "2" "R89-577 125-130     "    0.013
"19150006" "Z" "2" "R89-577 130-135     "    0.005
"19150008" "Z" "2" "R89-577 135-140     "    0.003
"19150009" "Z" "2" "R89-577 140-145     "    0.003
"19150010" "Z" "2" "R89-577 145-150     "    0.005
"19150011" "Z" "2" "R89-577 150-155     "    0.010
"19150012" "Z" "2" "R89-577 155-160     "    0.014
"19150013" "Z" "2" "R89-577 160-165     "    0.008
"19150014" "Z" "2" "R89-577 165-170     "    0.002
"19150015" "Z" "2" "R89-577 170-175     "    0.002
"19150016" "Z" "2" "R89-577 175-180     "   -0.002
"19150017" "Z" "2" "R89-577 180-185     "    0.002
"19150018" "Z" "2" "R89-577 185-190     "    0.004
"19150019" "Z" "2" "R89-577 190-195     "    0.006
"19150020" "Z" "2" "R89-577 195-200     "    0.004
"19150021" "Z" "2" "R89-577 200-205     "    0.002
"19150022" "Z" "2" "R89-577 205-210     "    0.005
"19150025" "Z" "2" "R89-577 210-215     "    0.005
"19150026" "Z" "2" "R89-577 215-220     "    0.022
"19150027" "Z" "2" "R89-577 220-225     "    0.010
"19150028" "Z" "2" "R89-577 225-230     "    0.005
"19150029" "Z" "2" "R89-577 230-235     "    0.010
"19150030" "Z" "2" "R89-577 235-240     "    0.005
"19150031" "Z" "2" "R89-577 240-245     "   -0.002
"19150033" "Z" "3" "R89-577 245-250     "    0.023
"19150034" "Z" "2" "R89-577 250-255     "    0.019
"19150035" "Z" "2" "R89-577 255-260     "    0.010
"19150036" "Z" "2" "R89-577 260-265     "    0.007
"19150037" "Z" "2" "R89-577 265-270     "    0.005
"19150038" "Z" "2" "R89-577 270-275     "    0.005
"19150039" "Z" "2" "R89-577 275-280     "   -0.002
"19150040" "Z" "2" "R89-577 280-285     "    0.014
"19150041" "Z" "2" "R89-577 285-290     "    0.023
"19150042" "Z" "2" "R89-577 290-295     "    0.009
"19150043" "Z" "2" "R89-577 295-300     "    0.008
"19150044" "Z" "2" "R89-577 300-305     "    0.007
"19150045" "Z" "2" "R89-577 305-310     "    0.014
"19150046" "Z" "2" "R89-577 310-315     "    0.023
"19150049" "Z" "2" "R89-577 315-320     "    0.015
```

105-125
20' @ .023

215-220

245-250

285-290

310-330 20' @ .028

"19150050"	"Z"	"2"	"R89-577 320-325	"	0.019
"19150051"	"Z"	"2"	"R89-577 325-330	"	0.054
"19150052"	"Z"	"2"	"R89-577 330-335	"	0.011
"19150053"	"Z"	"2"	"R89-577 335-340	"	0.019
"19150054"	"Z"	"2"	"R89-577 340-345	"	0.005
"19150055"	"Z"	"2"	"R89-577 345-350	"	0.004
"19150056"	"Z"	"2"	"R89-577 350-355	"	0.023 - 350-355
"19150058"	"Z"	"2"	"R89-577 355-360	"	0.010
"19150059"	"Z"	"2"	"R89-577 360-365	"	0.012
"19150060"	"Z"	"2"	"R89-577 365-370	"	0.006
"19150061"	"Z"	"2"	"R89-577 370-375	"	0.003
"19150062"	"Z"	"2"	"R89-577 375-380	"	-0.002
"19150063"	"Z"	"2"	"R89-577 380-385	"	-0.002
"19150064"	"Z"	"2"	"R89-577 385-390	"	0.003
"19150065"	"Z"	"2"	"R89-577 390-395	"	0.004
"19150066"	"Z"	"2"	"R89-577 395-400	"	0.003
"19150067"	"Z"	"2"	"R89-577 400-405	"	0.006
"19150068"	"Z"	"2"	"R89-577 405-410	"	-0.002
"19150069"	"Z"	"2"	"R89-577 410-415	"	0.004
"19150070"	"Z"	"2"	"R89-577 415-420	"	-0.002
"19150073"	"Z"	"2"	"R89-577 420-425	"	-0.002
"19150074"	"Z"	"2"	"R89-577 425-430	"	0.002
"19150075"	"Z"	"2"	"R89-577 430-435	"	0.002
"19150076"	"Z"	"2"	"R89-577 435-440	"	-0.002
"19150077"	"Z"	"2"	"R89-577 440-445	"	-0.002

"END"

BONDAR-CLEGG

SUBMITTAL FORM

LAB. REPORT NO. D89-31914.4

130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
or
P.O. Box 8059
Blaine, WA. 98230

Phone (604) 985-0681
or (702) 331-1813
Fax (604) 985-1071
Telex 04-352667

1A-625 Spice Island Dr.
Sparks, Nevada 89431
(702) 359-9330

12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

243 Catlin St.
Missoula, Montana 59801
(406) 721-4452

37 Sherman St.
Deadwood, S.D. 57732
(605) 578-1903

c/o Lerch Brothers
4th Ave. W. at Grant St.
Hibbing, Minn. 55746
(218) 262-5003

136 Industrial Road
Whitehorse, Yukon Territory
Y1A 2V1
(403) 667-6523

6631 Wes Way
Anchorage, Ak. 99518
(907) 561-0909

Please analyze by **Assay (% ore grade)** ☑ **Geochemical (ppm, trace level)** ☐

Comments _____

Type of Samples	No. of Samples	Sample Numbers (Series)	Elements to be Analyzed	Remarks
[illegible]	47	R89-5777	Au	
		(05)		
		(100-105)		

Total No. Samples _____ Date Shipped _____ Prepaid ☐ Collect ☐

No. Parcels in Shipment _____ Date Rec'd at Bondar-Clegg 9/17/89

PLEASE CHECK ✓ BELOW

REJECTS
(COARSE OVERSIZE)

Free storage for 60 days and then discarded unless marked below.

Return immediately ☐

Return collect after 60 days ☐

Store to January at a cost of $10/box (approx. 1 cu. ft.) ☐

(You will then be contacted)

Samples submitted by [illegible]

Shipment number _____

Client project number _____

Purchase order number _____

PULPS

Free storage until year end and then discarded unless marked below.

Return collect immediately ☐

Return collect at year end ☐

Results and Invoices To Be Sent To

[illegible] ☐ Results ☐ Invoice (for payment)

☐ Results ☐ Invoice (copy)

☐ Results ☐ Invoice (copy)

White - Send with Samples Yellow - Client Copy

Printed in Canada

BC
BONDAR-CLEGG

SUBMITTAL FORM

LAB. REPORT NO. D89-[redacted] D731915.4

130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
or
P.O. Box 8059
Blaine, WA. 98230

Phone (604) 985-0681
or (702) 331-1813
Fax (604) 985-1071
Telex 04-352667

1A-625 Spice Island Dr.
Sparks, Nevada 89431
(702) 359-9330

12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

243 Catlin St.
Missoula, Montana 59801
(406) 721-4452

37 Sherman St.
Deadwood, S.D. 57732
(605) 578-1903

c/o Lerch Brothers
4th Ave. W. at Grant St.
Hibbing, Minn. 55746
(218) 262-5003

136 Industrial Road
Whitehorse, Yukon Territory
Y1A 2V1
(403) 667-6523

6631 Wes Way
Anchorage, Ak. 99518
(907) 561-0909

Please analyze by **Assay (% ore grade)** ☐ **Geochemical (ppm, trace level)** ☐

Comments _____

Type of Samples	No. of Samples	Sample Numbers (Series)	Elements to be Analyzed	Remarks
WET DC	68	D89-577	Au	
		(105-110)		
		(440-445)		

Total No. Samples _____ Date Shipped _____ Prepaid ☐ Collect ☐

No. Parcels in Shipment _____ Date Rec'd at Bondar-Clegg 9/17/89

PLEASE CHECK ✓ BELOW

REJECTS
(COARSE OVERSIZE)

Free storage for 60 days and then discarded unless marked below.

Return immediately ☐

Return collect after 60 days ☐

Store to January at a cost of $10/box

(You will then be contacted) (approx. 1 cu. ft.) ☐

PULPS

Free storage until year end and then discarded unless marked below.

Return collect immediately ☐

Return collect at year end ☐

Samples submitted by BARRON

Shipment number _____

Client project number _____

Purchase order number _____

Results and Invoices To Be Sent To

BROWN

☐ Results
☐ Invoice (for payment)

☐ Results
☐ Invoice (copy)

☐ Results
☐ Invoice (copy)

Printed in Canada

White - Send with Samples Yellow - Client Copy

Contractor: Lang
Drill Type: D40K w/o Aux Air
Hole Size:
Collar Elev.: 5593.1

Coordinates: 45870.37N 27799.34E
Casing Depth:
Bearing: — Inclination: -90°
Final Depth: 500'

Project: Expansion
State: SD
Date Started:
Date Completed:

Hole No.: R89-578 (site 54)
Sheet 1 of 3
Property: Gilt Edge / Crusher Area
Hole Surveyed: No

Distance (feet)	Graphic Logs: Alteration (1 Weak, 2 Moderate, 3 Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement) / Type	Assay: Au	Assay: Ag
		Oxide	30	3	0-5		Cdh	0-145 Cambrian Deadwood Hornfels	0-30 Oxide		
					20-25						
		tr.		1					30-500 Sulfide.		
					45-50						
					70-75						
					95-100						
					120-125						
		tr-1	60		145-150		Ttp	145-160 Trachyte porphyry	(145-160) tr-1% f.g.		
		tr-1							dissm. pyrite.		
		tr-1									
			30				Cdh	160-190 Camb. Deadwood Hornfels			
					170-175						

DRILL CUTTING LOG

Logged by: S. Ringhoffer

Contractor _____ Coordinates _____ Project _____ Hole No. R89-578

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of 3

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (Weak, Moderate, Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlets, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			30		175-180		Cdh					
			40				Cda	190-210 Cambrian Deadwood Quartzite	(195-220) 1-2% f.g. disem			
		1-2			195-200				pyrite.			
			60				Tta	210-270 Trachyte Porphyry				
					220-225							
					245-250							
		tr.	10		270-275		PE	270-500 PE Schist				
					295-300							
					320-325							
					345-350							

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. R89-578

Drill Type _____ Casing Depth _____ State _____ Sheet 3 of 3

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (Weak, Moderate, Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement)	TYPE	ASSAY: Au	Ag
		tr	10		350-355		PE	PE Schist cont.				
					370-375							
					395-400							
								415-425 5-10% PE Chert frags				
					420-425							
					445-450							
					470-475							
		↓	↓		495-500		↓	Hole TD 500'				
					520-525							

DRILL CUTTING LOG

Logged by:

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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

+ + + + +

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31918.4 (COMPLETE)

REFERENCE INFO: NONE GIVEN

CLIENT: BROHM MINING CORPORATION
PROJECT: NONE GIVEN

SUBMITTED BY: BARRON
DATE PRINTED: 11-OCT-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	45	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	45	2 -150	45	ASSAY PREP	45
				SAMPLE PICKUP/MILE	1

REMARKS: 1AT GOLD (29.17G)

REPORT COPIES TO: MR. JIM BARRON
MR. ROD MCCLEOD

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 11-OCT-89

REPORT: R89-31918.4

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
Z2 R89-578 0-5		0.004
Z2 R89-578 5-10		<0.002
Z2 R89-578 10-15		0.003
Z2 R89-578 15-20		<0.002
Z2 R89-578 20-25		<0.002
Z2 R89-578 25-30		0.005
Z2 R89-578 30-35		<0.002
Z2 R89-578 35-40		<0.002
Z2 R89-578 40-45		<0.002
Z2 R89-578 45-50		<0.002
Z2 R89-578 50-55		<0.002
Z2 R89-578 55-60		<0.002
Z2 R89-578 60-65		<0.002
Z2 R89-578 65-70		<0.002
Z2 R89-578 70-75		0.002
Z2 R89-578 75-80		<0.002
Z2 R89-578 80-85		<0.002
Z2 R89-578 85-90		<0.002
Z2 R89-578 90-95		<0.002
Z2 R89-578 95-100		<0.002
Z2 R89-578 100-105		<0.002
Z2 R89-578 105-110		0.016
Z2 R89-578 110-115		0.004
Z2 R89-578 115-120		0.005
Z2 R89-578 120-125		0.006
Z2 R89-578 125-130		<0.002
Z2 R89-578 130-135		0.003
Z2 R89-578 135-140		0.002
Z2 R89-578 140-145		0.002
Z2 R89-578 145-150		0.014
Z2 R89-578 150-155		0.010
Z2 R89-578 155-160		0.002
Z2 R89-578 160-165		0.002
Z2 R89-578 165-170		0.004
Z2 R89-578 170-175		0.008
Z2 R89-578 175-180		0.004
Z2 R89-578 180-185		0.009
Z2 R89-578 185-190		0.130
Z2 R89-578 190-195		0.013
Z2 R89-578 195-200		0.054
Z2 R89-578 200-205		0.008
Z2 R89-578 205-210		0.017
Z2 R89-578 210-215		0.003
Z2 R89-578 215-220		0.006
Z2 R89-578 220-225		0.002

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 11-OCT-89

REPORT: R89-31918.4

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R89-578 40-45		<0.002			
Duplicate		<0.002			
R89-578 150-155		0.010			
Duplicate		0.010			
R89-578 200-205		0.008			
Duplicate		0.006			

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31919.4 (COMPLETE)

REFERENCE INFO: BARRON

CLIENT: BROHM MINING CORPORATION
PROJECT: NONE GIVEN

SUBMITTED BY: BARRON
DATE PRINTED: 6-OCT-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	55	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	55	2 -150	55	ASSAY PREP	55
				EXCESSIVE WETNESS/LB	1047
				SAMPLE PICKUP/MILE	1

REMARKS: 1AT GOLD (29.17G)

REPORT COPIES TO: MR. JIM BARRON
MR. ROD MCCLEOD

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31919.4

DATE PRINTED: 6-OCT-89
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
Z2 R89-578 225-230		0.005	Z2 R89-578 425-430		0.002
Z2 R89-578 230-235		0.008	Z2 R89-578 430-435		<0.002
Z2 R89-578 235-240		<0.002	Z2 R89-578 435-440		<0.002
Z2 R89-578 240-245		0.005	Z2 R89-578 440-445		<0.002
Z2 R89-578 245-250		0.009	Z2 R89-578 445-450		0.012
Z2 R89-578 250-255		0.003	Z2 R89-578 450-455		0.006
Z2 R89-578 255-260		0.005	Z2 R89-578 455-460		0.005
Z2 R89-578 260-265		0.003	Z2 R89-578 460-465		0.002
Z2 R89-578 265-270		0.003	Z2 R89-578 465-470		0.002
Z2 R89-578 270-275		0.002	Z2 R89-578 470-475		0.003
Z2 R89-578 275-280		0.004	Z2 R89-578 475-480		<0.002
Z2 R89-578 280-285		0.004	Z2 R89-578 480-485		<0.002
Z2 R89-578 285-290		0.003	Z2 R89-578 485-490		<0.002
Z2 R89-578 290-295		0.006	Z2 R89-578 490-495		0.003
Z2 R89-578 295-300		0.002	Z2 R89-578 495-500		0.006
Z2 R89-578 300-305		<0.002			
Z2 R89-578 305-310		<0.002			
Z2 R89-578 310-315		<0.002			
Z2 R89-578 315-320		<0.002			
Z2 R89-578 320-325		<0.002			
Z2 R89-578 325-330		<0.002			
Z2 R89-578 330-335		<0.002			
Z2 R89-578 335-340		<0.002			
Z2 R89-578 340-345		<0.002			
Z2 R89-578 345-350		<0.002			
Z2 R89-578 350-355		<0.002			
Z2 R89-578 355-360		<0.002			
Z2 R89-578 360-365		<0.002			
Z2 R89-578 365-370		<0.002			
Z2 R89-578 370-375		<0.002			
Z2 R89-578 375-380		<0.002			
Z2 R89-578 380-385		<0.002			
Z2 R89-578 385-390		<0.002			
Z2 R89-578 390-395		<0.002			
Z2 R89-578 395-400		<0.002			
Z2 R89-578 400-405		<0.002			
Z2 R89-578 405-410		<0.002			
Z2 R89-578 410-415		0.002			
Z2 R89-578 415-420		0.002			
Z2 R89-578 420-425		0.003			

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31919.4

DATE PRINTED: 6-OCT-89
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R89-578 270-275		0.002			
Duplicate		<0.002			
R89-578 320-325		<0.002			
Duplicate		<0.002			
R89-578 380-385		<0.002			
Duplicate		<0.002			
R89-578 430-435		<0.002			
Duplicate		<0.002			
R89-578 435-440		<0.002			
Duplicate		<0.002			
R89-578 490-495		0.003			
Duplicate		0.006			

```
"TITLE 11-10-89 20:02:32 R89-31918.4   BARRON                25/09/89"
"CLIENT BROHM MINING CORPORATION                                      "
"PROJECT NONE GIVEN      #SAMPLES:   45 REFERENCE: NONE GIVEN                    "
"SPECIAL VALUES"
"  IS Insufficient Sample"
"  -9 No Value Recorded"
" Values above the upper limit are shown as  +uplimt"
" Values below the lower limit are shown as  -lolmt   (ie not detected)"
"DETERMINATIONS"
"     ELNAME METHO ECO UNI #SAM LOLMT UPLIMT COMMENTS"
"  01 Au     FA        OPT   45 0.002 999.90 Results Reported     "
"SAMPLE PREPS"
"  40 SAMPLE TYPE=Z      OTHER DRILL TYPES   "
"  41 P17=  45           ASSAY PREP          "
"  42 P98=   1           SAMPLE PICKUP/MILE  "
"REMARKS"
"  50 1AT GOLD (29.17G)                                  "
"****"
"FORMAT (A8,1X,A1,A1,1X,A20,1(1X,A7,A1))"
"BEGIN " "Type" "Frac" "Sample ID"          "    Au"
"19180001" "Z" "2" "R89-578 0-5          "    0.004
"19180002" "Z" "2" "R89-578 5-10         "   -0.002
"19180003" "Z" "2" "R89-578 10-15        "    0.003
"19180004" "Z" "2" "R89-578 15-20        "   -0.002
"19180005" "Z" "2" "R89-578 20-25        "   -0.002
"19180006" "Z" "2" "R89-578 25-30        "    0.005
"19180007" "Z" "2" "R89-578 30-35        "   -0.002
"19180008" "Z" "2" "R89-578 35-40        "   -0.002
"19180009" "Z" "2" "R89-578 40-45        "   -0.002
"19180011" "Z" "2" "R89-578 45-50        "   -0.002
"19180012" "Z" "2" "R89-578 50-55        "   -0.002
"19180013" "Z" "2" "R89-578 55-60        "   -0.002
"19180014" "Z" "2" "R89-578 60-65        "   -0.002
"19180015" "Z" "2" "R89-578 65-70        "   -0.002
"19180016" "Z" "2" "R89-578 70-75        "    0.002
"19180017" "Z" "2" "R89-578 75-80        "   -0.002
"19180018" "Z" "2" "R89-578 80-85        "   -0.002
"19180019" "Z" "2" "R89-578 85-90        "   -0.002
"19180020" "Z" "2" "R89-578 90-95        "   -0.002
"19180021" "Z" "2" "R89-578 95-100       "   -0.002
"19180022" "Z" "2" "R89-578 100-105      "   -0.002
"19180025" "Z" "2" "R89-578 105-110      "    0.016
"19180026" "Z" "2" "R89-578 110-115      "    0.004
"19180027" "Z" "2" "R89-578 115-120      "    0.005
"19180028" "Z" "2" "R89-578 120-125      "    0.006
"19180029" "Z" "2" "R89-578 125-130      "   -0.002
"19180030" "Z" "2" "R89-578 130-135      "    0.003
"19180031" "Z" "2" "R89-578 135-140      "    0.002
"19180032" "Z" "2" "R89-578 140-145      "    0.002
"19180033" "Z" "2" "R89-578 145-150      "    0.014
"19180034" "Z" "2" "R89-578 150-155      "    0.010
"19180036" "Z" "2" "R89-578 155-160      "    0.002
"19180037" "Z" "2" "R89-578 160-165      "    0.002
"19180038" "Z" "2" "R89-578 165-170      "    0.004
"19180039" "Z" "2" "R89-578 170-175      "    0.008
"19180040" "Z" "2" "R89-578 175-180      "    0.004
"19180041" "Z" "2" "R89-578 180-185      "    0.009
"19180042" "Z" "2" "R89-578 185-190      "    0.130
"19180043" "Z" "2" "R89-578 190-195      "    0.013
"19180044" "Z" "2" "R89-578 195-200      "    0.054
"19180045" "Z" "2" "R89-578 200-205      "    0.008
```

185-200
15' @ .066

```
"19180046" "Z" "2" "R89-578 205-210      "     0.017
"19180049" "Z" "2" "R89-578 210-215      "     0.003
"19180050" "Z" "2" "R89-578 215-220      "     0.006
"19180051" "Z" "2" "R89-578 220-225      "     0.002
"END"
```

```
"TITLE 06-10-89 15:07:42 R89-31919.4   BARRON                28/09/89"
"CLIENT BROHM MINING CORPORATION                                      "
"PROJECT NONE GIVEN      #SAMPLES:   55 REFERENCE: BARRON                          "
"SPECIAL VALUES"
"  IS Insufficient Sample"
"  -9 No Value Recorded"
" Values above the upper limit are shown as  +uplimt"
" Values below the lower limit are shown as  -lolmt   (ie not detected)"
"DETERMINATIONS"
"     ELNAME METHO ECO UNI #SAM LOLMT UPLIMT COMMENTS"
"  01 Au     FA        OPT   55 0.002 999.90 Results Reported     "
"SAMPLE PREPS"
"  40 SAMPLE TYPE=Z      OTHER DRILL TYPES   "
"  41 P17=  55           ASSAY PREP          "
"  42 P64=1047           EXCESSIVE WETNESS/LB"
"  43 P98=   1           SAMPLE PICKUP/MILE  "
"REMARKS"
"  50 1AT GOLD (29.17G)                                   "
"****"
"FORMAT (A8,1X,A1,A1,1X,A20,1(1X,A7,A1))"
"BEGIN " "Type" "Frac" "Sample ID"          "    Au"
"19190001" "Z" "2" "R89-578 225-230     "    0.005
"19190002" "Z" "2" "R89-578 230-235     "    0.008
"19190003" "Z" "2" "R89-578 235-240     "   -0.002
"19190004" "Z" "2" "R89-578 240-245     "    0.005
"19190005" "Z" "2" "R89-578 245-250     "    0.009
"19190006" "Z" "2" "R89-578 250-255     "    0.003
"19190007" "Z" "2" "R89-578 255-260     "    0.005
"19190008" "Z" "2" "R89-578 260-265     "    0.003
"19190009" "Z" "2" "R89-578 265-270     "    0.003
"19190010" "Z" "2" "R89-578 270-275     "    0.002
"19190012" "Z" "2" "R89-578 275-280     "    0.004
"19190013" "Z" "2" "R89-578 280-285     "    0.004
"19190014" "Z" "2" "R89-578 285-290     "    0.003
"19190015" "Z" "2" "R89-578 290-295     "    0.006
"19190016" "Z" "2" "R89-578 295-300     "    0.002
"19190017" "Z" "2" "R89-578 300-305     "   -0.002
"19190018" "Z" "2" "R89-578 305-310     "   -0.002
"19190019" "Z" "2" "R89-578 310-315     "   -0.002
"19190020" "Z" "2" "R89-578 315-320     "   -0.002
"19190021" "Z" "2" "R89-578 320-325     "   -0.002
"19190022" "Z" "2" "R89-578 325-330     "   -0.002
"19190025" "Z" "2" "R89-578 330-335     "   -0.002
"19190026" "Z" "2" "R89-578 335-340     "   -0.002
"19190027" "Z" "2" "R89-578 340-345     "   -0.002
"19190028" "Z" "2" "R89-578 345-350     "   -0.002
"19190029" "Z" "2" "R89-578 350-355     "   -0.002
"19190030" "Z" "2" "R89-578 355-360     "   -0.002
"19190031" "Z" "2" "R89-578 360-365     "   -0.002
"19190032" "Z" "2" "R89-578 365-370     "   -0.002
"19190033" "Z" "2" "R89-578 370-375     "   -0.002
"19190034" "Z" "2" "R89-578 375-380     "   -0.002
"19190035" "Z" "2" "R89-578 380-385     "   -0.002
"19190037" "Z" "2" "R89-578 385-390     "   -0.002
"19190038" "Z" "2" "R89-578 390-395     "   -0.002
"19190039" "Z" "2" "R89-578 395-400     "   -0.002
"19190040" "Z" "2" "R89-578 400-405     "   -0.002
"19190041" "Z" "2" "R89-578 405-410     "   -0.002
"19190042" "Z" "2" "R89-578 410-415     "    0.002
"19190043" "Z" "2" "R89-578 415-420     "    0.002
"19190044" "Z" "2" "R89-578 420-425     "    0.003
"19190045" "Z" "2" "R89-578 425-430     "    0.002
"19190046" "Z" "2" "R89-578 430-435     "   -0.002
"19190049" "Z" "2" "R89-578 435-440     "   -0.002
```

"19190050"	"Z"	"2"	"R89-578	440-445	"	-0.002
"19190051"	"Z"	"2"	"R89-578	445-450	"	0.012
"19190052"	"Z"	"2"	"R89-578	450-455	"	0.006
"19190053"	"Z"	"2"	"R89-578	455-460	"	0.005
"19190054"	"Z"	"2"	"R89-578	460-465	"	0.002
"19190055"	"Z"	"2"	"R89-578	465-470	"	0.002
"19190056"	"Z"	"2"	"R89-578	470-475	"	0.003
"19190057"	"Z"	"2"	"R89-578	475-480	"	-0.002
"19190058"	"Z"	"2"	"R89-578	480-485	"	-0.002
"19190059"	"Z"	"2"	"R89-578	485-490	"	-0.002
"19190060"	"Z"	"2"	"R89-578	490-495	"	0.003
"19190062"	"Z"	"2"	"R89-578	495-500	"	0.006

"END"

BC
BONDAR-CLEGG

SUBMITTAL FORM

LAB. REPORT NO. D89-31918.4

130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
or
P.O. Box 8059
Blaine, WA. 98230

Phone (604) 985-0681
or (702) 331-1813
Fax (604) 985-1071
Telex 04-352667

1A-625 Spice Island Dr.
Sparks, Nevada 89431
(702) 359-9330

12980 West Cedar Dr.
Lakewood, Colorado 80228
(303) 989-1404

243 Catlin St.
Missoula, Montana 59801
(406) 721-4452

37 Sherman St.
Deadwood, S.D. 57732
(605) 578-1903

c/o Lerch Brothers
4th Ave. W. at Grant St.
Hibbing, Minn. 55746
(218) 262-5003

136 Industrial Road
Whitehorse, Yukon Territory
Y1A 2V1
(403) 667-6523

6631 Wes Way
Anchorage, Ak. 99518
(907) 561-0909

Please analyze by **Assay (% ore grade)** ☒ **Geochemical (ppm, trace level)** ☐

Comments _____

Type of Samples	No. of Samples	Sample Numbers (Series)	Elements to be Analyzed	Remarks
DC Dry	45	R89-5778		
		(0-5)		
		(220-225)		

Total No. Samples _____ Date Shipped _____ Prepaid ☐ Collect ☐

No. Parcels in Shipment _____ Date Rec'd at Bondar-Clegg 9/17

PLEASE CHECK ✓ BELOW

REJECTS
(COARSE OVERSIZE)

Free storage for 60 days and then discarded unless marked below.

Return immediately ☐

Return collect after 60 days ☐

Store to January at a cost of $10/box

(You will then be contacted) (approx. 1 cu. ft.) ☐

PULPS

Free storage until year end and then discarded unless marked below.

Return collect immediately ☐

Return collect at year end ☐

Samples submitted by _____

Shipment number _____

Client project number _____

Purchase order number _____

Results and Invoices To Be Sent To

_____ ☐ Results
_____ ☐ Invoice (for payment)
_____

_____ ☐ Results
_____ ☐ Invoice (copy)
_____

_____ ☐ Results
_____ ☐ Invoice (copy)
_____

Printed in Canada

White - Send with Samples Yellow - Client Copy

BC
BONDAR-CLEGG

SUBMITTAL FORM

LAB. REPORT NO. D89-319/9.4

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6631 Wes Way
Anchorage, Ak. 99518
(907) 561-0909

Please analyze by **Assay (% ore grade)** ☒ **Geochemical (ppm, trace level)** ☐

Comments _____

Type of Samples	No. of Samples	Sample Numbers (Series)	Elements to be Analyzed	Remarks
WET WC	555	D89-578		
		225-230		
		495-500		

Total No. Samples _____ Date Shipped _____ Prepaid ☐ Collect ☐

No. Parcels in Shipment _____ Date Rec'd at Bondar-Clegg 9/18/89

PLEASE CHECK ✓ BELOW

REJECTS
(COARSE OVERSIZE)

Free storage for 60 days and then discarded unless marked below.

Return immediately ☐

Return collect after 60 days ☐

Store to January at a cost of $10/box

(You will then be contacted) (approx. 1 cu. ft.) ☐

PULPS

Free storage until year end and then discarded unless marked below.

Return collect immediately ☐

Return collect at year end ☐

Results and Invoices To Be Sent To

_____ ☐ Results
_____ ☐ Invoice (for payment)
_____

_____ ☐ Results
_____ ☐ Invoice (copy)
_____

_____ ☐ Results
_____ ☐ Invoice (copy)
_____

Samples submitted by _____

Shipment number _____

Client project number _____

Purchase order number _____

Printed in Canada

White - Send with Samples Yellow - Client Copy

Contractor: LANG | Coordinates: 46209.13N 27336.77E | Project: EXPANSION | Hole No.: R89-579 (site 59)

Drill Type: D40K w/o AUX. Air | Casing Depth: | State: SD | Sheet 1 of 2

Hole Size: | Bearing: — | Inclination: -90° | Date Started: | Property: Gilt Edge / Crusher

Collar Elev.: 5567.2 | Final Depth: 245' | Date Completed: | Hole Surveyed: NO

DRILL CUTTING LOG

Distance (feet)	Alteration (Weak, Moderate, Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Distance Down Hole (feet)	Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement) / Type	Assay Au	Assay Ag
		1-2	1	2	0-5		Fill	0-5 Fill	5-245 Sulfide,		
			60	1			TP	5-245 Trachyte porphyry.	1-2% dissm. cubic		
								med. grain cream to light	pyrite. Also very		
								gray matrix.	fine, lath shaped		
					20-25				sulfide throughout		
									interval.		
					45-50						
					70-75						
					95-100						
					120-125						
					145-150			(145-150) 15-20% PE Schist			
								frags. — sm. xenolith.			
					170-175						

Logged by:

Contractor _____ Coordinates _____ Project _____ Hole No. R89-579

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of 2

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

DRILL CUTTING LOG

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (Weak, Moderate, Strong)	TOTAL SULFIDES % (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	DOWN HOLE LOCATION: ELEVATION	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement)	MINERALIZATION: TYPE	ASSAY Au	ASSAY Ag
		1-2	60	1	175-180		Tfp	Trachyte porphyry cont.				
					195-200							
					220-225							
								Hole TD 245'				
					245-250							
					270-275							
					295-300							
					320-325							
					345-350							

Logged by:

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

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

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31913.4 (COMPLETE)

REFERENCE INFO: NONE GIVEN

CLIENT: BROHM MINING CORPORATION
PROJECT: NONE GIVEN

SUBMITTED BY: BARRON
DATE PRINTED: 2-OCT-89

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold	49	0.002 OPT		Fire Assay

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
Z OTHER DRILL TYPES	49	2 -150	49	ASSAY PREP	49
				SAMPLE PICKUP/MILE	1

REMARKS: 1AT GOLD (29.17G)

REPORT COPIES TO: MR. JIM BARRON
MR. ROD MCCLEOD

INVOICE TO: MR. JIM BARRON

Bondar-Clegg, Inc.
625 Spice Island Dr.
Building 1, Unit A
Sparks, Nevada 89431
702 (359-9330)

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: R89-31913.4

DATE PRINTED: 2-OCT-89
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
Z2 R89-579 0-5		0.022
Z2 R89-579 5-10		0.016
Z2 R89-579 10-15		0.011
Z2 R89-579 15-20		0.009
DUPLICATE		0.008
Z2 R89-579 20-25		0.006
Z2 R89-579 25-30		0.008
Z2 R89-579 30-35		0.005
Z2 R89-579 35-40		0.004
Z2 R89-579 40-45		0.005
Z2 R89-579 45-50		0.005
Z2 R89-579 50-55		0.004
Z2 R89-579 55-60		0.014
Z2 R89-579 60-65		0.003
Z2 R89-579 65-70		0.003
DUPLICATE		0.003
Z2 R89-579 70-75		0.005
Z2 R89-579 75-80		0.006
Z2 R89-579 80-85		0.008
Z2 R89-579 85-90		0.007
Z2 R89-579 90-95		0.007
Z2 R89-579 95-100		0.007
Z2 R89-579 100-105		0.007
Z2 R89-579 105-110		0.005
Z2 R89-579 110-115		0.006
Z2 R89-579 115-120		0.008
Z2 R89-579 120-125		0.008
Z2 R89-579 125-130		0.012
DUPLICATE		0.014
Z2 R89-579 130-135		0.008
Z2 R89-579 135-140		0.008
Z2 R89-579 140-145		0.010
Z2 R89-579 145-150		0.008
Z2 R89-579 150-155		0.007
Z2 R89-579 155-160		0.007
Z2 R89-579 160-165		0.005
Z2 R89-579 165-170		0.005
Z2 R89-579 170-175		0.008
Z2 R89-579 175-180		0.008
DUPLICATE		0.008
Z2 R89-579 180-185		0.007
Z2 R89-579 185-190		0.008
Z2 R89-579 190-195		0.006
Z2 R89-579 195-200		0.007
Z2 R89-579 200-205		0.015
Z2 R89-579 205-210		0.024
Z2 R89-579 210-215		0.016
Z2 R89-579 215-220		0.020
Z2 R89-579 220-225		0.021
Z2 R89-579 225-230		0.015
Z2 R89-579 230-235		0.016
Z2 R89-579 235-240		0.014
DUPLICATE		0.015
Z2 R89-579 240-245		0.010

```
"TITLE 29-09-89 18:00:28 R89-31913.4   BARRON                25/09/89"
"CLIENT BROHM MINING CORPORATION                                    "
"PROJECT NONE GIVEN      #SAMPLES:   49 REFERENCE: NONE GIVEN                    "
"SPECIAL VALUES"
"  IS Insufficient Sample"
"  -9 No Value Recorded"
" Values above the upper limit are shown as  +uplimt"
" Values below the lower limit are shown as  -lolmt   (ie not detected)"
"DETERMINATIONS"
"     ELNAME METHO ECO UNI #SAM LOLMT UPLIMT COMMENTS"
"  01 Au     FA        OPT   49 0.002 999.90 Results Reported     "
"SAMPLE PREPS"
"  40 SAMPLE TYPE=Z      OTHER DRILL TYPES   "
"  41 P17=  49           ASSAY PREP          "
"  42 P98=   1           SAMPLE PICKUP/MILE  "
"REMARKS"
"  50 1AT GOLD (29.17G)                                    "
"*****"
"FORMAT (A8,1X,A1,A1,1X,A20,1(1X,A7,A1))"
"BEGIN " "Type" "Frac" "Sample ID"          "    Au"
"19130001" "Z" "2" "R89-579 0-5          "    0.022   0-5   5' @
"19130002" "Z" "2" "R89-579 5-10         "    0.016
"19130003" "Z" "2" "R89-579 10-15        "    0.011
"19130004" "Z" "2" "R89-579 15-20        "    0.009
"19130006" "Z" "2" "R89-579 20-25        "    0.006
"19130007" "Z" "2" "R89-579 25-30        "    0.008
"19130008" "Z" "2" "R89-579 30-35        "    0.005
"19130009" "Z" "2" "R89-579 35-40        "    0.004
"19130010" "Z" "2" "R89-579 40-45        "    0.005
"19130011" "Z" "2" "R89-579 45-50        "    0.005
"19130012" "Z" "2" "R89-579 50-55        "    0.004
"19130013" "Z" "2" "R89-579 55-60        "    0.014
"19130014" "Z" "2" "R89-579 60-65        "    0.003
"19130015" "Z" "2" "R89-579 65-70        "    0.003
"19130016" "Z" "2" "R89-579 70-75        "    0.005
"19130017" "Z" "2" "R89-579 75-80        "    0.006
"19130018" "Z" "2" "R89-579 80-85        "    0.008
"19130019" "Z" "2" "R89-579 85-90        "    0.007
"19130020" "Z" "2" "R89-579 90-95        "    0.007
"19130021" "Z" "2" "R89-579 95-100       "    0.007
"19130022" "Z" "2" "R89-579 100-105      "    0.007
"19130025" "Z" "2" "R89-579 105-110      "    0.005
"19130026" "Z" "2" "R89-579 110-115      "    0.006
"19130027" "Z" "2" "R89-579 115-120      "    0.008
"19130028" "Z" "2" "R89-579 120-125      "    0.008
"19130029" "Z" "2" "R89-579 125-130      "    0.012
"19130031" "Z" "2" "R89-579 130-135      "    0.008
"19130032" "Z" "2" "R89-579 135-140      "    0.008
"19130033" "Z" "2" "R89-579 140-145      "    0.010
"19130034" "Z" "2" "R89-579 145-150      "    0.008
"19130035" "Z" "2" "R89-579 150-155      "    0.007
"19130036" "Z" "2" "R89-579 155-160      "    0.007
"19130037" "Z" "2" "R89-579 160-165      "    0.005
"19130038" "Z" "2" "R89-579 165-170      "    0.005
"19130039" "Z" "2" "R89-579 170-175      "    0.008
"19130040" "Z" "2" "R89-579 175-180      "    0.008
"19130041" "Z" "2" "R89-579 180-185      "    0.007
"19130042" "Z" "2" "R89-579 185-190      "    0.008
"19130043" "Z" "2" "R89-579 190-195      "    0.006
"19130044" "Z" "2" "R89-579 195-200      "    0.007
"19130045" "Z" "2" "R89-579 200-205      "    0.015
"19130046" "Z" "2" "R89-579 205-210      "    0.024
"19130049" "Z" "2" "R89-579 210-215      "    0.016   205-225
"19130050" "Z" "2" "R89-579 215-220      "    0.020   20' @ .020
```

```
"19130051" "Z" "2" "R89-579 220-225      "     0.021
"19130052" "Z" "2" "R89-579 225-230      "     0.015
"19130053" "Z" "2" "R89-579 230-235      "     0.016
"19130054" "Z" "2" "R89-579 235-240      "     0.014
"19130056" "Z" "2" "R89-579 240-245      "     0.010
"END"
```

BC
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(907) 561-0909

Please analyze by **Assay (% ore grade)** ☒ **Geochemical (ppm, trace level)** ☐

Comments _____

Type of Samples	No. of Samples	Sample Numbers (Series)	Elements to be Analyzed	Remarks
Dry RC	49	R89-579		
		(0-5)		
		240-245		

Total No. Samples _____ Date Shipped _____ Prepaid ☐ Collect ☐

No. Parcels in Shipment _____ Date Rec'd at Bondar-Clegg 9/17/89

PLEASE CHECK ✓ BELOW

REJECTS
(COARSE OVERSIZE)

Free storage for 60 days and then discarded unless marked below.

Return immediately ☐

Return collect after 60 days ☐

Store to January at a cost of $10/box

(You will then be contacted) (approx. 1 cu. ft.) ☐

PULPS

Free storage until year end and then discarded unless marked below.

Return collect immediately ☐

Return collect at year end ☐

Samples submitted by Barrow

Shipment number _____

Client project number _____

Purchase order number _____

Results and Invoices To Be Sent To

Barrow ☐ Results ☐ Invoice (for payment)

_____ ☐ Results ☐ Invoice (copy)

_____ ☐ Results ☐ Invoice (copy)

Printed in Canada

White - Send with Samples Yellow - Client Copy