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B.V.O. PROJECT

Drill Hole Coordinates

PRE HOMESTAKE DRILLING

Drill Hole #	Northing	Easting	Elevation of Collar Ft.	Azimuth	Angle	Total Depth Ft
V-1	49,861	52,986	1718.5'	14°	-45°	206'
V-2	49,865	52,982	1718.5'	14°	-60°	83'
V-3	49,861	52,990	1718.4'		-90°	93'
V-4	49,893	52,900	1718.5'	14°	-60°	256'
V-5	49,902	52,706	1711.8'	14°	-45°	195'
V-6	49,853	53,041	1718'	14°	-45°	102'
V-7	49,849	53,040	1718'	14°	-67.5°	98'
V-8	49,847	53,092	1716.4'	14°	-60°	97'
V-9	49,927	53,056	1712.4'	14°	-60°	50'
V-10	49,735	53,112	1726.3'	14°	-60°	146'
V-11	49,765	52,973	1731.0'	14°	-55°	110'
V-12	49,781	52,920	1729.5'	14°	-67.5°	96'
V-13	49,776	52,922	1730.1'		-90°	110'
V-14	49,769	52,974	1728.8'		-90°	101'
V-15	49,779	52,924	1731.0'	194°	-67.5°	95'
V-16	49,778	52,920	1729.9'	194°	-80°	102'
V-17	49,673	52,904	1744.4'		-90°	117'
V-18	49,680	52,860	1743.0'		-90°	124'
V-19	49,718	52,715	1724.5'		-90°	186'
V-20	49,749	52,614	1713.8'		-90°	133'
V-21	49,786	52,520	1705.5'		-90°	144'
V-22	49,556	52,927	1756.6'		-90°	283'
V-23	49,658	52,539	1721.5'		-90°	101'
V-24	49,543	52,974	1763.2'		-90°	232'
V-25	49,568	52,879	1751.5'		-90°	267'
V-26	49,664	52,949	1744.6'		-90°	139'
V-27	49,652	52,995	1744.2'		-90°	141'
V-28	49,639	52,969	1745.0'		-90°	119'
V-29	49,585	52,830	1750.7'		-90°	257'
V-30	49,594	52,780	1747.2'		-90°	245'
V-31	49,603	52,739	1742.5'		-90°	223'
V-32	49,611	52,688	1735.0'		-90°	197'
V-33	49,627	52,638	1732.3'		-90°	189'
V-34	49,694	52,802	1735.6'		-90°	188'
V-35	49,812	52,420	1697.9'		-90°	270'
V-36	49,773	52,891	1726.9'		-90°	102'
V-37	49,706	52,342	1702.5'		-90°	173'
V-38	49,754	53,011	1728.7'		-90°	89'

Drill Hole #	Northing	Easting	Elevation of Collar Ft.	Azimuth	Angle	Total Depth Ft
V-13-RC	49,772	52,922	1730'		-90°	110'
V-18-RC	49,685	52,859	1742.9'		-90°	160'
V-31-RC	49,598	52,738	1741.5'		-90°	250'
V-38-RC	49,748	53,011	1729.0'		-90°	99'
V-39-RC	49,502	52,722	1762.4'		-90°	360'
V-40-RC	49,907	53,053	1713.5'		-90°	60'
V-100-RC	49,427	52,423	1749.8'		-90°	405'
V-101-RC	49,373	52,888	1785.5'		-90°	485'
VRC-85-1	49,948	53,008	1712.1'		-90°	100'
VRC-85-2	59,905	52,997	1714.6'		-90°	80'
VRC-85-3	49,877	53,106	1715.0'		-90°	130'
VRC-85-5	49,834	52,889	1721.5'		-90°	100'
VRC-85-6	49,810	52,984	1723.0'		-90°	100'
VRC-85-7	49,795	53,079	1719.5'		-90°	120'
VRC-85-8	49,806	52,775	1723.0'		-90°	100'
VRC-85-9	49,727	52,868	1736.5'		-90°	100'
VRC-85-10	49,712	52,962	1736.0'		-90°	130'
VRC-85-11	49,680	52,848	1744.0'		-90°	170'
VRC-85-12	49,634	52,969	1746.0'		-90°	180'
VRC-85-13	49,665	52,703	1731.0'		-90°	230'
VRC-85-14	50,014	52,939	1709.0'		-90°	80'
VRC-85-15	49,903	52,797	1715.0'		-90°	80'
VRC-85-16	50,019	52,608	1722.0'		-90°	200'
VRC-85-17	50,468	52,234	1734.0'		-90°	195'
VRC-85-18	50,142	51,151	1710.0'		-90°	100'
VRC-85-19	49,733	53,408	1725.0'		-90°	230'
VRC-85-20	49,925	53,214	1719.0'		-90°	85'
VRC-85-21	49,210	51,970	1712.0'		-90°	140'
VRC-85-22	49,618	53,150	1745.0'		-90°	180'
VRC-85-23	49,709	53,208	1727.0'		-90°	150'
VRC-85-24	49,820	53,182	1719.0'		-90°	100'
VRC-85-25	50,426	52,551	1745.0'		-90°	115'
VRC-85-26	49,258	52,010	1718.0'		-90°	130'
VRC-85-27	49,172	51,933	1711.0'		-90°	100'

Drill Hole #	Northing	Easting	Elevation of Collar Ft.	Azimuth	Angle	Total Depth Ft
87-1*	50,853.5	53,251.2	1968.8'	N65°E	-50°	173'
87-2*	50,842.9	53,232.7	1968.3'	S65°W	-60°	250'
87-3**			1958'	N25°E	-70°	45'
87-4*	48,873.5	51,819.8	1692.8'		-90°	300'
87-5*	48,708.8	51,947.1	1637.3'		-90°	200'
87-6*	49,063.5	51,910.3	1713.3'	N70°W	-68°	250'
87-7*	48,214.4	52,078.6	1626.9'		-90°	300'
87-8*	50,605.8	53,555.7	1958.3'	N15°W	-60°	225'
87-9*	50,736.1	53,413.9	1970.0'	N19°W	-60°	300'
87-10*	50,603.9	53,543.9	1958.8'		-90°	50'
87-11*	49,337.2	52,698.1	1801.9'		-90°	420'
87-12*	49,203.0	52,654.5	1844.9'		-90°	500'
87-13*	49,605.0	52,742.0	1743.4'		-90°	265'
87-14*	50,260.3	53,204.0	1767.7'		-90°	145'
87-15*	49,899.5	52,996.2	1713.6'		-90°	65'
87-16*	46,325.8	53,730.0	1566.8'	S30°W	-60°	240'
87-17**	50,780	53,330	1970'		-90°	425'
87-18**	50,660	53,510	1968'	N20°W	-60°	260'
87-19**	46,510	53,440	1575'	S30°W	-60°	250'
87-20**	46,430	53,580	1570'		-90°	150'
87-21**	46,610	54,380	1570'		-90°	125'
87-22**	51,080	53,590	1970'		-90°	253.5'
87-23**	48,280	52,850	1790'		-90°	200'
87-24*	49,063	51,910	1713'		-90°	165'
87-25**	50,630	53,240	1900'		-90°	330'
87-26**	49,240	53,750	1790'		-90°	290'
87-27**	48,860	52,020	1740'		-90°	200'

* R. Petray Survey
** Brunton and Tape

MDJ/nlm
2/03

M-204

SAMPLE RECORD

SAMPLER:

PROJECT BVO

DRILL HOLE NO. 87-1 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	Lbs.	%	SAMPLE NUMBER	DRILL RUN From	To	INTERVAL	F opt ASSAYS Au	Ag			REMARKS BRONCO
8/5/87					4251AR	0	5	5	.005	0.08			-50° N65E
					52	5	10		.007	<0.01			
					53	10	15		.01	0.08			
					54	15	20		.018	0.05			
					55	20	25		.026	0.04			
					56	25	30		.012	<0.01			
					57	30	35		.011	0.09			
					58	35	40		.029	0.11			
					59	40	45		.026	0.18			
					4260AR	45	50		.033	0.47			
					61	50	55		.053	0.50			
					62	55	60		.052	0.38			
					63	60	65		.016	0.11			
					64	65	70		.021	0.23			
					65	70	75		.012	0.08			
					66	75	80		.015	0.09			
					67	80	85		.021	0.09			
					68	85	90		.008	0.11			
					69	90	95		.026	0.27			
					4270AR	95	100		.027	0.92			
					71	100	105		.020	0.84			
					72	105	110		.027	0.33			
					73	110	115		.015	0.18			
					74	115	120		.011	0.12			
					75	120	125		.018	0.16			
					76	125	130		.009	0.11			
					77	130	135		.012	0.37			
					78	135	140		.008	0.53			
					79	140	145		.004	0.98			
					4280AR	145	150		.007	0.54			
					81	150	155		<.001	0.55			
					82	155	160		.003	0.51			
					83	160	165		.005	0.84			
					84	165	170		.011	0.33			
					4285AR	170	173		.011	0.78			

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BYO-87-1

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
5-173' AND. PDR ANHEDRAL PHENOS OF QTZ IN S & P OF FELDSPAR & MAFICS. DOM CREAM COLORED. 15-125 INCR IN SILICA FRGS.-VEIN? 40-80 FRGS BECOME DARK REDDISH-BROWN.	0-15' WEAK PROPYLITIC ALT PERVASIVE. 15-25 YELLOWISH-BROWN. SILN - PERVASIVE. 25-173 SILICA FLOODED. 40-55' CALCAREOUS ALT ASSOC W/ DARK REDDISH BROWN FRGS. 125-173' WEAK TO MOD PROP ALT NOTED.	15- QTZ FRGS UP TO 10% OF SPL.-VEIN? 55-125' BANDED SECKWORK OF QUARTZ VEINS. QTZ FRGS MAKE UP TO 10-20% OF SPL.	0-15. FeOx (H+2) DOM ON & ADJ TO FRX. 15-40 FeOx (4) ON & ADJ TO FRX (LOSS (1) (H)). 40- FeOx WEAK & (H)+4 ON & ADJ TO FRX. 125-173' DARK FeOx & INCR FeOx (H)-DOM ON & ADJ TO FRX.				110-173 FRGS BECOMING LARGE & ANGULAR. INDICATING WEAK FRX IROCK- THE RECOVERIES FROM THIS ZONE WERE POOR & DRILLING RATE WAS SLOW. T.D @ 173'							

SAMPLE RECORD

SAMPLER:

PROJECT BVO- DRILL HOLE NO. 87-2 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	Fopt ASSAYS Au	Ag			REMARKS
					4286AR	0	5						BRONCO -60 S65W
					87	5	10						
					88	10	15		·010	·12			
					89	15	20		·015	·20			
					4290AR	20	25		·009	·20			
					91	25	30		·006	·14			
					92	30	35		·008	·16			
					93	35	40		·011	·03			
					94	40	45		·009	·46			
					95	45	50		·008	·29			
					96	50	55		·010	·08			
					97	55	60		·007	·12			
					98	60	65		·011	·18			
					99	65	70		·007	·14			
					4300AR	70	75		·013	·12			
					01	75	80		·011	·19			
					02	80	85		·012	·15			
					03	85	90		·012	·11			
					04	90	95		·013	·01			
					05	95	100		·009	·08			
					06	100	105		·005	·03			
					07	105	110		·009	·08			
					08	110	115		·006	·13			
					09	115	120		·012	·16			
					4310AR	120	125		·007	·26			
					11	125	130		·025	·15			
					12	130	135		·016	·11			
					13	135	140		·020	·13			
					14	140	145		·015	·11			
					15	145	150		·014	·19			
					16	150	155		·016	·13			
					17	155	160		·014	·18			
					18	160	165		·005	·13			
					19	165	170		·005	·13			
					4320AR	170	175		·003	·08			
					21	175	180		·004	·19			
					22	180	185		·007	·28			
					23	185	190		·007	·35			
					24	190	195		·008	·15			
					25	195	200		·015	·19			
					26	200	205		·013	·20			
					27	205	210		·004	·10			
					28	210	215		·001	·06			
					29	215	220		·004	·18			
					4330AR	220	225		·004	·11			
					31	225	230		·002	·06			
					32	230	235		<.001	·07			
					33	235	240		·002	·08			
					34	240	245		·002	·02			
					4335AR	245	250		·001	·07			

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SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-2

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-10' NO SAMPLE											
10- AND POR FINE GRAINED EUHED SIP XTALS OF MAFICS. & FELDSPAR. LT GRN-GRY IN COLOR. LS-10' BRCX TEXT 10 AND ? NEROBRCX CEMENTED BY SILICA. 160-220 AND BECOMING > TUFFACEOUS. 220-250 IND POR. LIGHT GREEN IN COLOR.	10-15 MOD PERV. SILICIFICATION. 15-220' STRONG SILICA FLOODING. 25-30. STRONG CALCAREOUS ALT. LOCALLY. WEAK to MOD. PROP ALT. ALSO NOTED. 220-250' WEAK to MOD PROP. ALT. WEAK ARGILLIC ALT.	80- QTZ FRAG-VEINS / STOCKWORK. 5% ± OF SPLS. VEINS to 2MM WIDE.	10-13' RARE & WEAK FeOx - PSEUDOMORPH AFTER SULPHIDES? + RARE, WEAK Tr OX FRX. 50-55. INCR FeOx (H) ON FRX-WEAK-MOD! 130-170 MOD FeOx (H) ON & ADJ to FRX. 170-220 FeOx (H) ON & ADJ to FRX. WEAK to MOD. 220-250 TR OX - PSEUDOMORPHS AFTER SULPHIDES							

SAMPLE RECORD

SAMPLER:

PROJ[illegible] BVO

DRILL HOLE [illegible] 87-3 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	F opt. ASSAYS Au	Ag			REMARKS
					8079AP	0	5		.011	<.01			BRONCO -70 N25E
					80	5	10		.016	.14			
					81	10	15		.010	<.01			
					82	15	20		.006	.02			
					83	20	25		.008	.15			
					84	25	30		.011	.10			
					8085AP	30	35		.009	.11			

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVD-87-3.

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-40' And Por. Ends of fed ine grained matrix. 35-40 Micro-Brxx 20°/Veins noted	0-40' Mod. Pervasive Silicification. Weakly calcareous locally. Mod Prop Alt'd mafics noted.	0-40' Qtz Veining - Stockwork. Veining is hairline to 1mm. Qtz frgs make up approx 10-15% of spl.	0-40' Fe (H & 4) on & adj to frx.				TD 40'. Hole abn. due to v. poor rec. of cuttings.				

SAMPLE RECORD

SAMPLER:

PROJECT BVO-

DRILL HOLE 87-4 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	LENGTH OF RUN From	LENGTH OF RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS Morgan
					4336AR	0	5						VERTICAL
					37	5	10						
					38	10	15		<.001	<.01			
					39	15	20						
					4340AR	20	25						
					41	25	30		<.001	.09			
					42	30	35		<.001	<.01			
					43	35	40		<.001	.02			
					44	40	45		<.001	.03			
					45	45	50		<.001	<.01			
					46	50	55		<.001	<.01			
					47	55	60		<.001	<.01			
					48	60	65		<.001	<.01			
					49	65	70		<.001	<.01			
					4350AR	70	75		.001	<.01			
					51	75	80		<.001	.10			
					52	80	85		<.001	.09			
					53	85	90		<.001	.12			
					54	90	95		<.001	.16			
					55	95	100		<.001	.08			
					56	100	105		<.001	.11			
					57	105	110		<.001	.12			
					58	110	115		<.001	.11			
					59	115	120		<.001	.17			
					4360AR	120	125		<.001	.12			
					61	125	130		<.001	.05			
					62	130	135		<.001	.15			
					63	135	140						
					64	140	145		<.001	<.01			
					65	145	150						
					66	150	155						
					67	155	160						
					68	160	165						
					69	165	170						
					4370AR	170	175		<.001	.03			
					71	175	180						
					72	180	185						
					73	185	190						
					74	190	195						
					75	195	200						
					76	200	205						
					77	205	210						
					78	210	215						
					79	215	220		<.001	.05			
					4380AR	220	225						
					81	225	230						
					82	230	235						
					83	235	240						
					84	240	245						
					85	245	250						
					86	250	255		<.001	<.01			
					87	255	260						
					88	260	265						
					89	265	270						
					4390AR	270	275						
					91	275	280						
					92	280	285						
					93	285	290		<.001	<.01			
					94	290	295						
					95	295	300						

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SCALE _____
LOGGED BY: _____

PROJECT B.V.O.

HOLE NO. 87-4

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-25 OVB FRGS OF BASALT, BANDED TUFFS & AND IN CALCITE & FELSIC MATRIX											
25-85' Felsic Tuff LIGHT MOTTLED RED-WHITE TO MOD RED IN COLOR. RARE FELD PHENOS. TO 2MM.	25-85' Mod to Strong Argillic Alt.		25-85' Mod Perv. FeOx (H). Syn?								
85-90' And Por (OR BRXX). EUHED PHENO OF FELDSPAR & ALT MAFICS IN FG. MATRIX. INDURATED.	85-90' Strong Prop.-Weak Argillic Alt.		85-90 GRASS IS MOD PERV. FeOx (H) STAINED.								
90-200 And Tuff FINE GRAINED PORY MOD RED COLOR. RARE ALT. MAFIC PSUDOMORPHS 190-195 Color CHANGE TO DK PURPL.	90-130 STRONG ARGILLIC ALT TO APPROX 60% OF SPL. WEAK ARGILLIC ALT TO REMAINING 40%. 130- WEAK PERV. ARGILLIC ALT. STRONGER ON & ADJ. TO FRCX. 180-185' EPIDOTE PHENOS NOTED	160-165. 2K GY CALCITE RICH FRG-VEIN? APPROX 5% OF SPL. COATING TO TUFF FRG - 2MM THICK.	90-200 PERV. MOD FeOx (H). SYN?				90-100' SMALL FRGS INDICATING POSS UNIFORM ROCK &/OR LACK OF FRCX.				
200-210 And Por PHENOS OF FELD & MAFICS IN F.G. MATRIX. 210-300' And Tuff FINE GRAINED LOCALLY PORPHYRITIC	200-210' PHENOS OF FELD ARE ARGILLIC ALT & CONTAIN CALCAREOUS RIMS. MAFICS ARE MOD to STRONGLY PROP. ALT. 210-300' MOD-STRONG PROP. WEAK ARGILLIC. WEAKLY-MOD PERV. CALCAREOUS.		200-210. MOTTLED PERV. FeOx (H) OF MATRIX SYN? 210-300 UNIFORM PERV. FeOx (H).				175-190' 20 OF SMALL FRGS. - UNIFORM ROCK &/OR LACK OF FRCX? TD @ 300'				

SAMPLE RECORD

SAMPLER:

PROJECT BVO-

DRILL HOLE NO. 87-5 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	F opt. ASSAYS Au	Ag			REMARKS Morgan
					4396AR	0	5		N/S				VERTICAL
					97	5	10		<.001	.05			
					98	10	15						
					99	15	20		<.001	.06			
					4400AR	20	25		<.001	.02			
					01	25	30		<.001	.05			
					02	30	35		<.001	<.01			
					03	35	40		<.001	.05			
					04	40	45		<.001	<.01			
					05	45	50		<.001	<.01			
					06	50	55		<.001	<.01			
					07	55	60		<.001	<.01			
					08	60	65		<.001	<.01			
					09	65	70		<.001	<.01			
					4410AR	70	75		<.001	<.01			
					11	75	80		<.001	<.01			
					12	80	85		<.001	.06			
					13	85	90		<.001	<.01			
					14	90	95		<.001	.02			
					15	95	100		<.001	.02			
					16	100	105		<.001	.01			
					17	105	110		<.001	.07			
					18	110	115		<.001	.05			
					19	115	120		<.001	.01			
					4420AR	120	125		<.001	.03			
					21	125	130		<.001	.02			
					22	130	135		<.001	.04			
					23	135	140		<.001	.05			
					24	140	145						
					25	145	150		<.001	<.01			
					26	150	155						
					27	155	160						
					28	160	165		.002	<.01			
					29	165	170						
					4430AR	170	175						
					31	175	180						
					32	180	185						
					33	185	190		.004	<.01			
					34	190	195						
					4435AR	195	200						

SCALE
LOGGED BY:

PROJECT B.V.O.

HOLE NO. BVO-87-5

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-5 No SPL. OVB ?														
FRGS OF CALCEDONIC QUARTZ, BASALT & PORPHYRY IN CALCAREOUS MATRIX.														
25-200' FELSIC TUFF FINE GRAINED. WHITE MAT'L WITH 20-30% FRGS OF PORV DK RED COLORED TUFF FRGS.	25-55 STRONG ARGILLIC ALTERATION.													
	50-60' STRONG ARG ALT RESTRICTED TO APPROX 30% OF SPL. & 70% IS MOD PROP ALT & CONTAINS EVIDENCE OF LIESEGANG BANDING.		50-60' LIESEGANG BANDING W/ REDS & MOD YELLOW-ORANGE BANDS.											
	60-80' STRONG ARG. AS 25-55.'		75-80. MOTTLED WHITE RED COLOR TO CLAYS.											
	80-90' MOD PROP. & WEAK ARGILLIC.		80-90' MOD. PORV. FeOx (H) SYN ?											
	90-140. STRONG to INT. ARGILLIC ALT.		90-140. MOTTLED APPARENCE to CLAYS. RED to WHITE											
	140-200' STRONG ARGILLIC ALT. RESTRICTED TO APPROX 30% OF SPL. WEAK ARGILLIC ALT to BULK OF SPL.		140-200' PORV. FeOx(H) MOD, SYN ?.											
	185-200' MODERATELY CALCAREOUS-PERVASIVE.						TD @ 200'							

SAMPLE RECORD

SAMPLER:

PROJ. BVO -

DRILL HOLE. 87-6 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	F opt. ASSAYS Au	Ag	Au	Ag	REMARKS
													Morgan
					4436AR	0	5		<.001	.08			-68° N70W
					37	5	10		<.001	<.01			
					38	10	15		<.001	.01			
					39	15	20		<.001	.06			
					4440AR	20	25		<.001	.04			
					41	25	30		.001	.08			
					42	30	35		.001	.14			
					43	35	40		<.001	.10			
					44	40	45		<.001	.06			
					45	45	50		.018	.04			
					46	50	55		.035	.21			45-55 = [illegible]
					47	55	60		.012	.01			
					48	60	65		.016	.09			
					49	65	70		.003	.11			
					4450AR	70	75		.008	.13			
					51	75	80		.004	.08			
					52	80	85		.018	.18			
					53	85	90		.001	.03			
					54	90	95		<.001	.09			
					55	95	100		.001	.17			
					56	100	105		.002	.06			
					57	105	110		.010	.09			
					58	110	115		.015	.05			
					59	115	120		.003	.04			
					4460AR	120	125		.001	.03			
					61	125	130		<.001	<.01			
					62	130	135		<.001	.07			
					63	135	140		<.001	.02			
					64	140	145		<.001	.03			
					65	145	150						
					66	150	155						
					67	155	160						
					68	160	165		.001	.02	.001	.02	
					69	165	170						
					4470AR	170	175						
					71	175	180						
					72	180	185						
					73	185	190						
					74	190	195						
					75	195	200						
					76	200	205						
					77	205	210						
					78	210	215		<.001	.02			
					79	215	220						
					4480AR	220	225						
					81	225	230						
					82	230	235						
					83	235	240						
					84	240	245		<.001	<.01			
					4485AR	245	250						

SCALE
LOGGED BY:

PROJECT BVO.

HOLE NO. BVO-87-6

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-50 Felsic Tuff? Fine to Medium banded Tuff. Locally porph. Andesitic(?) in composition.	0-35 Strong Argillic Alt of approx 15% of SPL. 35-45' Weak to Mod Arg Alt.		0- Pervasive Sulf: FeOx (H). Bleached in strongly argillic zones.											
50-65' "Vein" Sugary to banded (Calcedonic).	50-65 And Frags. Dom Silicified.	50-65 Quartz Vein = approx 80% of SPL.	50-65' Weak FeOx (H) on frx & coating Qtz frags.											
65'-80' And Tuff Fine to med grained indurated. Mod red in color - mottled.	65-80. Mod Argillic Alt.	65-80' Qtz Frags from Veins = 15-20% of SPL.	65-80 Mottled FeOx (H) Perv. Sul?											
80-85' "Vein" Sim to 50-65'			80-85 FeOx (H) on Frx											
85-105 And Tuff			85-105' Perv Sul(?) FeOx (H)											
105-112' "Vein"														
112-250' And Tuff? Mafic rich. Fine to med grained. Rare porph frags.	112'-120 Frags locally Silic. Locally indurated. 120-250' Unit = Friable.		112'-250' Perv. FeOx (H) Sul(?) - Uniform color to frags - Mod-Dk red/brown.											
	185-190' Mod-Strong Argillic Alt.						TD @ 250'							

SAMPLE RECORD

SAMPLER:

PROJECT BYO -

DRILL HOLE NO. 87-7 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	F, opt ASSAYS Au	Ag			REMARKS
					4486AR	0	5						VERTICAL
					87	5	10						
					88	10	15		<.001	<.01			
					89	15	20						
					4490AR	20	25						
					91	25	30						
					92	30	35						
					93	35	40		<.001	.02			
					94	40	45						
					95	45	50						
					96	50	55						
					97	55	60		<.001	<.01			
					98	60	65						
					99	65	70		<.001	.06			
					4500AR	70	75		<.001	<.01			
					8001AP	75	80		<.001	<.01			
					02	80	85		<.001	.01			
					03	85	90		<.001	.05			
					04	90	95		<.001	.05			
					05	95	100		<.001	.06			
					06	100	105		<.001	.06			
					07	105	110		<.001	.07			
					08	110	115		<.001	.06			
					09	115	120		<.001	<.01			
					8010AP	120	125		<.001	.04			
					11	125	130						
					12	130	135						
					13	135	140						
					14	140	145						
					15	145	150		<.001	.05			
					16	150	155						
					17	155	160						
					18	160	165		<.001	.07			
					19	165	170		.001	.12			
					8020AP	170	175		.003	.08			
					21	175	180		<.001	.10			
					22	180	185						
					23	185	190						
					24	190	195		<.001	<.01			
					25	195	200						
					26	200	205						
					27	205	210		<.001	<.01			
					28	210	215						
					29	215	220						
					8030AP	220	225		<.001	<.01			
					31	225	230						
					32	230	235						
					33	235	240						
					34	240	245						
					35	245	250						
					36	250	255		<.001	.09			
					37	255	260						
					38	260	265						
					39	265	270						
					8040AP	270	275						
					41	275	280						
					42	280	285						
					43	285	290		<.001	.02			
					44	290	295						
					8045AP	295	300						TD

Morgan

M-211

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-7

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-125 FELSIC TUFF C[illegible]RLAIN. MEDIUM, C[illegible]D BLEACHED W/ RARE PHENO'S OF MAFICS- 5-10% F.G. AND TUFF FRGS. W/ POSSIBLE MOD RED COLOR. - RARE QUARTZ FRGS. 5% DSP INDURATED W/ PRESENCE MAFICS.	0-125 BLEACHED ? STRONG PROPYLITIC ALTERATION. MAFICS TO CHLORITE. NEARLY CALCAREOUS. AND. TUFF IS ONLY WEAKLY PROP. ALT W/ SLIGHT DISCOLORATION TO EDGES OF MAFIC XTALS.	85-90' GYPSUM VEINS &/or COATING TO FRX. 110-115 QTZ FRGS. SUGARY TO CHALCEDONIC FRGS COMPOSE APPROX 20% OF SPL.	AND TUFF IS POSS FeOx (H) SYN?										
125-200 AND TUFF FINE GRAINED DEV. MOD RED COLOR. LOCALLY WEAKLY PORPHYRITIC W/ QTZ, FELD & MAFIC PHENOS NOTED.	125-200 WEAK to MOD PROP ALT. 177-182 ZONE OF STRONG ARGILLIC ALT. TO APPROX 50% OF SPL. MOD YELLOW TO MOD RED MOTTLED COLOR. 182-190 STRONG PROP ALT MAFICS - CHL & EPI. 195-200 MOD-STRONG PROP ALT. OF APPROX 50% OF SPL.	125-170 RARE NARROW QTZ VEINLETS.	125-200 MOD FeOx PROP. THROUGHOUT FRGS SYN.?				125-140' FRG SIZE IS SMALL INDICATING POSS UNIFORM HARDNESS & LACK OF FRX.							
200-230' AND PORP PHENOS OF FELD. CALCITE & MAFICS IN FINE TO MOD GRAINED. RED STAINED GDMSS.	200-210 MOD to STRONG PROP ALT. WEAK ARGILLIC ALT. MOD CALCAREOUS ALT OF GDMSS.		200-300 MOD POSS FeOx (H). SYN?											
230-300 AND TUFF LESS PORPHYRITIC >>. TUFFACEOUS. INDURATED RARE FELD & MAFIC PHENOS	230-300' WEAK PROP. ALT.	230-300 CALCITE VEINS &/or FRX COATING. To 1mm WIDE 5% OF SPL.												
		290-295. DARK BROWN CALCITE RICH FRGS. VEIN(?) LIMESTONE BAND? APPROX 30% OF SPL.	290-295. CALCITE ZONE APPEARS TO CONTAIN MnOx.				T.D. @ 300'							

SAMPLE RECORD

SAMPLER:

PROJECT BVO DRILL HOLE 87 - 8 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	opt. ASSAYS Au	Ag			REMARKS Bronco
9-6-87				30	8046AQ	0	5	5'	.004	.04			-60° N15W.
				0	47	5	10						5-20' Composite spl from Chiaf
				0	48	10	15		.027	.11			
				0	49	15	20						
				30	8050AQ	20	25		.027	.10	.032	.11	
				60	51	25	30		.035	.12			
				100	52	30	35		.021	.11			
				100	53	35	40		.017	.05			
				100	54	40	45		.012	.11			
				100	55	45	50		.005	.13			
				90	56	50	55		.008	.01			
				100	57	55	60		.005	.12			
				100	58	60	65		.007	.08			
				100	59	65	70		.006	.12			
				100	8060AQ	70	75		.005	.30			
				100	61	75	80		.008	.32			
				100	62	80	85		.007	.30			
				100	63	85	90		.040	.48			
				100	64	90	95		.032	.49			
				100	65	95	100		.022	.34			
				80	66	100	105		.010	.15			
				80	67	105	110		.011	.18			
				90	68	110	115		.008	.13			
				100	69	115	120		.008	.03			
				100	8070AQ	120	125		.004	.05	.004	.05	
				50	71	125	130		.006	.04			
9-7-87				60	72	130	135		.007	.08			
				60	73	135	140		.010	.10			
				50	74	140	145		.008	.01			
				20	75	145	150		.008	.03			
				90	76	150	155		.007	-.01			
				100	77	155	160		.007	.14			
				100	78	160	165		.002	.06			
				60	79	165	170		.003	.01			
				60	8080AQ	170	175		.005	.05			
				100	81	175	180		.004	.05			
				100	82	180	185		.006	.07			
				60	83	185	190		.004	.08			
				80	84	190	195		.003	.07			
				80	85	195	200		.001	.05			
				100	86	200	205		.001	.05			
				100	87	205	210		.002	.04			
				100	88	210	215		.003	.03			
				100	89	215	220		.001	.08			
				100	8090AQ	220	225		.001	-.01	.001	.05	

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-8

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-110' AND PORP PHENOS OF FELD DK. BROWN FINE GRAINED MATRIX. 5-20 NS SPL.	0-110' SILICA FLOODED WEAK TO MOD PROP ALTERATION.	0-110' QUARTZ VEINS & QUARTZ STOCKWORK NOTED. VEINS REG LOCALLY STRONG & MAKE UP TO 20% OF THE SAMPLE. LOCALLY CHALCEDONIC TEXTURES & UP TO 2MM WIDE.	0-110' FeOx (H) MOD. ON & ADJ TO FRX. 25-110' MAGX ASSOC. WITH Q. VEINS.- MOD AMOUNT & FRX CONTROLLED. 45-110' WEAK PERVASIVE FeOx (H) NOTED.											
	70-80' MOD ARGILIC ALT MAKES UP APPROX 20% OF SAMPLE.													
110-225' AND TUFF FINE GRAINED, INDURATED. RARE PHENOS OF FELD & MAFIC	110-145' WEAK TO MOD. PROPYLITIC ALT. WEAK CALCAREOUS LOCALLY. 145-170' WEAK TO MOD SIL. STRONG PROP ALT. 170- WEAKLY CALCAREOUS.	130-150' QTZ FEATS TO 5MM. ASS STKWORK & UP TO 30% OF SPL.-SAMPS 160-190' HAIRLINE Q.V. 1-2% OF SPL.	110-225' MINOR WEAK TO 3% FeOx (H) ASSOC W/ FRX? 170'-185' INCR FeOx(H) > PERVASIVE. MOD.											
	190-225' WEAK TO MOD ARG. ALT. PERVASIVE.						TD. @ 225'							

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O.

DRILL HOLE NO. 87-9 PAGE OF Bronco

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	opt ASSAYS Au	Ag			REMARKS
9-8-87				20	8091AQ	0	5	5	.003	.05			-60° N20W (N19W).
				15	92	5	10		.004	.03			
				15	93	10	15		.009	.20			
				60	94	15	20		.013	.13			
				15	95	20	25		.005	.23			
				100	96	25	30		.013	.17			
				80	97	30	35		.008	.23			
				60	98	35	40		.010	.23			
					99	40	45		.011	.26			
				80	8100AQ	45	50		.008	.19			
				70	01	50	55		.007	.22			
				90	02	55	60		.010	.16			
				40	03	60	65		.020	.34			
				50	04	65	70		.023	.23			
				60	05	70	75		.025	.28			
				100	06	75	80		.028	.33			
				100	07	80	85		.024	.22			
				100	08	85	90		.019	.16			
				100	09	90	95		.035	.44			
				40	8110AQ	95	100		.020	.39	.021	.38	
				70	11	100	105		.022	.28			
				90	12	105	110		.010	.25			
				90	13	110	115		.012	.16			
				80	14	115	120		.006	.21			
				80	15	120	125		.005	.16			
				90	16	125	130		.005	.12			
				90	17	130	135		.004	.04			
				90	18	135	140		.001	.13			
				80	19	140	145		.002	.10			
				80	8120AQ	145	150		.002	.24			
				90	21	150	155		.003	-.01			
				100	22	155	160		.001	.14			
9-9-87				40	23	160	165		.001	.09			
				80	24	165	170		.003	.07			
				80	25	170	175		.004	.11			
				80	26	175	180		.007	.11			
				80	27	180	185		.008	.14			
				80	28	185	190		.007	.16			
				90	29	190	195		.005	.11			
				80	8130AQ	195	200		.004	.14	.005	.12	
				100	31	200	205		.007	.12			
				90	32	205	210		.009	.12			
				40	33	210	215		.011	-.01			
				60	34	215	220		.014	.03			
				40	35	220	225		.009	.01			
				40	36	225	230		.005	.01			
				40	37	230	235		.004	.04			
				50	38	235	240		.002	-.01			
				50	39	240	245		.008	-.01			
				40	8140AQ	245	250		.002	-.01			
				40	41	250	255		.003	.08			
				?	42	255	260		.002	.05			
				60	43	260	265		.006	-.01			
				60	44	265	270		.002	-.01			
				50	45	270	275		.007	.03			
				50	46	275	280		.018	.06			
				30	47	280	285		.019	.23			
				40	48	285	290		.032	.13			
				50	49	290	295		.009	.08			
				40	8150A	295	300		.024	.08	.05	.01	

M-21-3

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-9

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-40 AND TUFF FINE GRAINED. INDURATED. PHENOS - N FEX: OF FERROMAGS - MICA. 40-260' AND POR COARSE GRAINED PHENOS OF FELDSPAR & MAFICS IN MOTTLED RED & WHITE FG. MATRIX. 70-80' BLACK TUFF.	0-145' STRONG PROPYLITIC ALTERATION. WEAK CALCAREOUS ALT. NOTED. 15-45 STRONG PERV. SILICIFICATION. - QTZ FLOODING. 145-180' WEAK TO MOD SILICA WEAK ARGILLIC ALT. STRONG PROP. 180'-260' STRONG SILICA - PERV. STRONG PROP. 260-280' MOD - STRONG ARGILLIC ALT. UP 50% OF SPL. CALCAREOUS. STRONG PROP. ALT. 280-300 SILICA FLOODED STRONG PROP. ALT.	0-135' QUARTZ VEINS. HAIRLINE TO 2mm UP TO 15% OF SPL. STOCKWORK. QUARTZ APPEARS XTALLINE & IS LOCALLY COARSE GRAINED. 65-70 QTZ VEIN FEW ICM WIDE. BANDED AT WALL CONTACT. CONTAINS XTALLINE INTERIOR. 135-170' NO QTZ VEINING NOTED. 170-175' QTZ VEINS. TO 5mm & MAKE UP APPROX 20% OF SPL. 260-280' RARE QTZ - VEINS TO 1mm. 280-295' QTZ VEINS MAKE UP APPROX 50% OF SAMPLE.	0-40 PERVASIVE FeOx (H) MOD - WEAK. 40-120 FeOx RESTRICTED TO MATRIX & ON & ADJ TO FEX. DOM. (H) W/ MINOR (S) MnOx - MINOR - ASSOC WITH QV. 120-130' FeOx (4) ON & ADJ TO FEX & LOCALLY PERVASIVE. MOD. WEAK (H) ALSO NOTED. 130-260' TR FeOx ON FEX & LOCAL BLEBS. DOM (H). + SPO (H) ON FEX. 280-290' MOD FeOx (5) DOM ON & ADJ TO FEX. LOCALLY PERV. 290-300' WEAK TR? FeOx (H) on FEX.				T.D. @ 300'						
280-300' AND POR COARSE GRAINED POR ROCK														

SAMPLER: PROJECT Ø.V.O. DRILL HOLE NO. 87-10 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	opt ASSAYS Au	opt ASSAYS Ag			REMARKS
				40	8151AQ	0	5	5	·104	·09			VERTICAL. BRONCO
				20	52	5	10		·064	·01			
				30	53	10	15		·028	·08			
				40	54	15	20		·076	·06			
				70	55	20	25		·066	·15			
				60	56	25	30		·06	·12			
				60	57	30	35		·026	·07			
				60	58	35	40		·019	·18			
				80	59	40	45		·026	·15			
				80	8160AQ	45	50		·026	·16			

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SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-10

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-50 AND ACR. BANDS OF FELDSPAR PHENOCRYSTS IN F.G. MATRIX. MATRIX IS PALE REDDISH BROWN IN COLOR.	0-50 STRONG SILICA FLOODING MOD-STRONG PROP. ALT.	0-50 QTZ VEINS MAKE UP APPROX 20% OF SAMPLE. VEIN SIZE IS FROM HAIRLINE TO 5MM.	0-50 TR Fe_2O_3 (H) ON FRX. 40-50 TR (H) > PERVASIVE.				T.D. @ 50'				

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE NO. 87-11 PAGE 1 OF 2

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	opt. ASSAYS Au	Ag			REMARKS Verdustone
9-10-87				40	8161AQ	0	5	5					VERTICAL.
				40	62	5	10						
				15	63	10	15		-.001	.18			
				20	64	15	20						
				15	65	20	25						
				40	66	25	30						
				30	67	30	35						
				20	68	35	40		-.001	-.01			
				20	69	40	45						
				80	8170AQ	45	50						
				80	71	50	55						
				95	72	55	60						
				95	73	60	65		-.001	-.01			
				40	74	65	70						
				90	75	70	75						
				80	76	75	80						
				90	77	80	85						
				50	78	85	90		-.001	-.01	-.001	-.01	
				50	79	90	95						
				80	8180AQ	95	100						
				90	81	100	105						
				50	82	105	110						
				50	83	110	115		-.001	-.01			
				40	84	115	120						
				60	85	120	125						
				50	86	125	130						
				40	87	130	135						
				90	88	135	140		-.001	-.01			
				40	89	140	145						
				30	8190AQ	145	150						
				100	91	150	155						
				100	92	155	160						
				100	93	160	165		-.001	-.01			
				100	94	165	170						
				100	95	170	175						
				100	96	175	180		No	SAMPLE			
				100	97	180	185		No	SAMPLE			
				100	98	185	190		-.001	.06	-.001	-.01	
				100	99	190	195		.001	-.01			
				100	8200AQ	195	200		-.001	.08			
				100	01	200	205		-.001	.01			
				100	02	205	210		-.001	.02			
				100	03	210	215		-.001	-.01			
				100	04	215	220		-.001	.11			
				100	05	220	225		-.001	-.01			
				100	06	225	230		-.001	.02			
				100	07	230	235		-.001	.07			
				100	08	235	240		-.001	.05			
				100	09	240	245		-.001	.03			
9-11-87				50	8210AQ	245	250		-.001	.03			
				90	11	250	255		-.001	.05			
				100	12	255	260		-.001	.10			
				100	13	260	265		-.001	-.01			
				100	14	265	270		-.001	.10			
				50	15	270	275		-.001	.03			
				80	16	275	280		-.001	.01	-.001	.14	
				50	17	280	285		-.001	.03			
				60	18	285	290		-.001	.04			
				80	19	290	295		-.001	.15			
				100	8220AQ	295	300		-.001	[illegible]			

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SCALE _____
LOGGED BY: M.A.J.

PROJECT B.V.O.

HOLE NO. BVO-87-11

PAGE 1 OF 1

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.	SAMPLE NO.	REMARKS
0-2 CALCRETE											
2-200 AND FELSIC TUFF FLOW-BANDED FELSIC RICH TUFF. W/ PERVASIVE RED STAINING. INDURATED. ZONES OF PORP. DIKES. (60-65') PORP XTALS OF FELDSPAR IN F.G. RED COLORED MATRIX.	WEAK TO MODERATE ARGILLIC ALT OF FELDSPAR LOCALLY. 55-200 GRADITIONAL INCR IN ARGILLIC ALT. MOD TO LOCALLY STRONG, WITH GREEN CAST TO ALT FRGS.		WEAK FeOx (3) ON ± ABS TO FRX. WEAK SYN.(?) PERVASIVE FeOx (4).				175-185 NO SAMPLE.				
200-295' AND (PORP). F.G. ANDESITE W/ LOCAL PHENOS OF FELD, & FEROMAG (BIOT?). GRNS IS PERVASIVELY DK RED IN COLOR. ROCK IS LOCALLY VUGGY. & CONTAINS 20'S OF LIESEGANG BANDING.	200 DECR TO NONE ARGILLIC ALT. AND IS REL FRESH, (WEAK PROPYLITIC ALT) & INDURATED.	285-290. GYPSUM VEIN. (10% @ SPL).	200- PERV. SYN(?) FeOx (4). WEAK TO MOD.								
295-310' DAC PORP (?) PHENOS OF FELDSPAR QTZ & MAFICS IN SILIC F.G. LIGHT COLORED GROUNDMASS 310-330' AND PORP F.G GRNSS W/ PHENOS OF BIOT & FELDSPAR. RAR QTZ.	295-300 WEAK PROP ALT. INTRODUCED SILICIFICATION TO GROUNDMASS.		295-300 WEAK TO MOD FeOx ON ± ABS TO FRX PERVASIVE, WEAK FeOx (3+<11).								
330-375 "VEIN" LIGHT GRN. SUGARY TO CALCEDONIC QTZ FRGS. & RARE DAC PORP FRGS (BRXX?).	330'-375 INTENSE SIL.	300-375 QTZ VEIN UP TO 80% OF SPL. NO $CaCO_3$ NOTED!	300-375 WEAK FeOx (11+3) ON FRX. RARELY PERVASIVE.								
375-420' AND PORP (?) PHENOS OF FERG FELDSPAR & QTZ IN F.G. MATRIX. PINKISH COLOR TO RICH.	375- MOD INTRODUCED SIL TO F.G. GROUNDMASS DIM. WEAK PERV. PROP ALT	375-400' QTZ VEINS UP TO 20% OF SPL 400-420' HAIRLINE QV. NOTED.	375-420. WEAK TO MOD SYN.(?) FeOx (4).				TD 420'				

SAMPLE RECORD

SAMPLER:

PROJ. BVO DRILL HOLE 87-11 PAGE 2 OF 2

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	opt ASSAYS Au	Ag			REMARKS
				80	8221AQ	300	305	5	.002	.05			
				80	22	305	310		.004	.27			
				70	23	310	315		.003	.03			
				80	24	315	320		.003	.34			
				50	25	320	325		.005	.13			
				100	26	325	330		.018	.13			
				80	27	330	335		.420	2.59			
				80	28	335	340		.442	4.36			
				25	29	340	345		.056	5.34			
				25	8230AQ	345	350		.203	5.43			
				50	31	350	355		.322	4.68			
				80	32	355	360		.179	2.92			
				80	33	360	365		.180	2.53			
				80	34	365	370		.138	2.07			
				90	35	370	375		.165	1.58			
				100	36	375	380		.029	.49	.030	.49	
				100	37	380	385		.017	.26			
				20	38	385	390		.010	.20			
9-13-87				95	39	390	395		.004	.07			
				100	8240AQ	395	400		.004	.03			
				100	41	400	405						
				100	42	405	410						
				100	43	410	415		.007	-.01			
				100	8244AQ	415	420						

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE NO. 87-12 PAGE 1 OF 2

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS VERDSTONE EXT
9-13-87				100	8245AQ	0	5	5					VERTICAL
				100	46	5	10						
				100	47	10	15		-.001	-.01			
				100	48	15	20						
				100	49	20	25						
				100	8250AQ	25	30						
				100	51	30	35						
				100	52	35	40		-.001	-.01			
				100	53	40	45						
				100	54	45	50						
				30	55	50	55						
				40	56	55	60						
				40	57	60	65		-.001	-.01			
				100	58	65	70						
				70	59	70	75						
				80	8260AQ	75	80						
				100	61	80	85						
				100	62	85	90		-.001	.04	-.001	-.01	
				100	63	90	95						
				100	64	95	100						
				100	65	100	105						
				100	66	105	110						
				70	67	110	115		-.001	-.01			
				80	68	115	120						
				80	69	120	125						
				80	8270AQ	125	130						
				80	71	130	135						
				80	72	135	140		-.001	.05			
				90	73	140	145						
				80	74	145	150						
				80	75	150	155						
				80	76	155	160						
				90	77	160	165		-.001	-.01			
				80	78	165	170						
				90	79	170	175						
				90	8280AQ	175	180						
				90	81	180	185						
				50	82	185	190		-.001	-.01			
				90	83	190	195						
				70	84	195	200						
				80	85	200	205						
				100	86	205	210						
				100	87	210	215		-.001	-.01			
				100	88	215	220						
				100	89	220	225						
				100	8290AQ	225	230						
				100	91	230	235						
				100	92	235	240		-.001	-.01	-.001	.08	
				100	93	240	245						
				20	94	245	250						
				80	95	250	255						
				80	96	255	260						
				90	97	260	265		-.001	-.01			
				30	98	265	270						
				30	99	270	275						
				80	8300AQ	275	280						
				80	01	280	285						
				30	02	285	290		.001	.04			
				80	03	290	295						
				90	04	295	300						

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SCALE _____
LOGGED BY: _____

PROJECT B.V.O.

HOLE NO. BVO-87-12

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.	SAMPLE NO.	REMARKS
0-3' CALCRETE											
3-205 FELSIC TUFF DOM F.G. FELSIC ROCK W/ LOCAL PHENOS OF FRESH MAFICS & FELDSPAR. SALMON PINK IN COLOR. INDURATED. VUGS & LIESEGANG BANDING NOTED.	3.-35. WEAKLY CALCARED -US LOCALLY 35-95 MOD ARGILLIC ALT @ 40-60% @ SAMPLE. 95-100 STRONG ARGILLIC ALT. 100-205 WEAK TO MOD ARG ALT @ 40-60% @ FRGS.	3' RARE GYPSUM(?) VEINS TO 10% @ SPL. 35-40 CALCITE FRGS TO 10% @ SPL. 80-85. QTZ VEIN TO 5% @ SAMPLE.	3-95 PERVASIVE SUN (?) FeOx (H). WEAK. 100-205' WEAK FeOx (H) ON FRX LOCALLY.								
205-320 AND PBX (?) PHENOS OF MAFICS, FELDSPAR & RARE QTZ IN INDURATED GDMSS, PERVASIVE DK RED COLOR.	205-285 WEAK INTRODUCED SILICA-PERV THROUGHOUT GDMSS. MOD ARGILLIC ALT @ APPROX 40% @ SPL. MOD TO STRONG PROP ALT. 285-320 ARGILLIC ALT INCR TO STRONG & EFFECTING APPROX 80% @ SPL.		205'-320' WEAK FeOx (3) ON FRX. WEAK MnOx (?) ALSO NOTED - RARE. WEAK-MOD FeOx (H) SUN(?), PERV.								
320-360' VEIN DOM SUGARY LOCALLY CALCEDONIC & VUGGY Q.V.		320-360' QUARTZ VEIN = APPROX 80% @ SPL.	320-360' MOD FeOx (H) ON FRX. WEAK, RARE FeOx (4) NOTED.								
360-500' AND TUFF DOM F.G. W/ LOCAL MAFIC PHENOS. DARK TO MED GDMSS. 430-500' INCR FELDSPAR PHENOS. IN F.G. MATRIX.	360'-500' MOD PROP ALT, INDURATED 360-445.	425-435' HAIRLINE SILICA VEINLETS.	360-445 PERV. FeOx(H) SUN?-MOD. & VARIABLE COLOR. 445-500' PERV FeOx(H) CAUSING UNIFORM COLOR TO FRGS - DK RED.								

SAMPLE RECORD

SAMPLER:

PROJ B.V.O. DRILL HOLE 87-12 PAGE 2 OF 2

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS opt. Au	ASSAYS Ag			REMARKS
				90	8305AQ	300	305	5	.001	.04	.002	.05	
				100	06	305	310		.009	.15			
				100	07	310	315		.008	.04			
				100	08	315	320		.009	-.01			
				100	09	320	325		.027	.58			
				30	8310AQ	325	330		.030	.10			
				50	11	330	335		.040	.05			
				60	12	335	340		.025	.35			
				60	13	340	345		.016	.35			
				5	14	345	350		.010	.04			
				10	15	350	355		.006	.07			
				100	16	355	360		.004	.07			
				100	17	360	365						
				50	18	365	370		.005	.05			
				60	19	370	375		.003	.05			
				70	8320AQ	375	380		.002	.04			
				90	21	380	385		.003	-.01			
				50	22	385	390		.005	.05			
				70	23	390	395		.003	.02			
				70	24	395	400		.002	.01			
				80	25	400	405		.008	-.01	.005	-.01	
				50	26	405	410		.002	-.01			
				50	27	410	415		.001	.12			
				80	28	415	420		.005	-.01			
				80	29	420	425		.005	-.01			
				60	8330AQ	425	430		.013	-.01			
				70	31	430	435		.009	-.01			
				80	32	435	440		.003	-.01			
				80	33	440	445		.002	-.01			
				90	34	445	450		.001	-.01			
				100	35	450	455		.001	.03	.001	-.01	
				100	36	455	460		.002	.01			
				80	37	460	465		.002	.02			
				80	38	465	470		.002	.01			
				60	39	470	475		-.001	.04			
				80	8340AQ	475	480		.003	.03			
				100	41	480	485						
				100	42	485	490						
				100	43	490	495						
				100	8344AQ	495	500						

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE NO. 87-13 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	opt. ASSAYS Au	Ag			REMARKS Verdstone
9-14-87				100	8345AQ	0	5	5					TWIN TO V-31 VERTICAL
				80	46	5	10						
				80	47	10	15		-.001	-.01			
				70	48	15	20						
				60	49	20	25						
				50	8350AQ	25	30						
				60	51	30	35						
				20	52	35	40		-.001	-.01			
				20	53	40	45						
				10	54	45	50						
				15	55	50	55						
				60	56	55	60						
				100	57	60	65		-.001	.01			
9-15-87				40	58	65	70						
				70	59	70	75						
				90	8360AQ	75	80						
				80	61	80	85						
				70	62	85	90		-.001	.04	-.001	.03	
				80	63	90	95						
				70	64	95	100						
				80	65	100	105						
				70	66	105	110						
				80	67	110	115		-.001	-.01			
				70	68	115	120						
				80	69	120	125						
				80	8370AQ	125	130						
				80	71	130	135						
				90	72	135	140		-.001	-.01			
				80	73	140	145						
				80	74	145	150						
				80	75	150	155		-.001	.06	-.001	.05	
				70	76	155	160		.001	.18			
				70	77	160	165		-.001	.20			
				70	78	165	170		-.001	.04			
				80	79	170	175		-.001	.17			V-31 R.C.
				70	8380AQ	175	180		-.001	.07			.140 1.94
				70	81	180	185		.309	1.99			.042 .68
				80	82	185	190		.039	1.29			.045 .40
				80	83	190	195		.031	.78			.015 .36
				80	84	195	200		.024	.47			.085 1.52
				70	85	200	205		.028	.41			.064 .82
				80	86	205	210		.023	.53			.074 .72
				80	87	210	215		.021	.22			.017 .12
				80	88	215	220		.040	.47			.007 -.01
				80	89	220	225		.032	.34			.004 -.01
				80	8390AQ	225	230		.018	.05			.005 -.01
				80	91	230	235		.011	-.01			.005 -.01
				70	92	235	240		.012	-.01			.008 -.01
				80	93	240	245		.007	-.01			.010 -.01
				80	94	245	250		.003	-.01			.019 -.01
				70	95	250	255		.003	-.01	.003	.06	
				80	96	255	260		.005	-.01			
				100	8397AQ	260	265		-.001	-.01			

SCALE _____
LOGGED BY: _____

PROJECT B.V.O.

HOLE NO. BVO-87-13

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-2 Calcrete/OVB.														
2-15' And Tuff. Locally Brec(?) F.G. Mod red colored And Tuff w/ rare Feldspar phenos. Friable appearance.	2-15 Mod. Prop Alt. Weak Prop - Argil		2-15. Weak Aspy FeOx (H). Syn? mottled appearance to Ox.											
15-185' And Por(?) Phenos of Qtz & Feldspar in F.G. Inverted Gouss.	15-35 Weak Argillic Alt of Approx 10% of SPL.													
	35-185' Strong Argillic Alt of Approx 80% of SPL.	135-185' Qtz Frgs to Sum & Approx 10% of SPL.												
185'-245' "Ven" Sugary to Calcedon Qtz Frgs. Locally up to 50% (8% Kf) And Por Frgs. Qtz Frgs ally Gry in Color.	185- And Por Frgs are strongly silicified.	185- Quartz Ven = Approx 80% of SPL.	185'-245' Weak FeOx (H) on Frx. Rare MnOx on Frx.											
245-270 And Por Phenos of Feldspar & mafics in F.G. inverted matrix. Salmon Pink color.	245-270 Weak to Mod Prop Alt.		245-270 Aspy - Syn(?) FeOx (H) to And Frgs.											
							T.D @ 270'							

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE NO. 85-14 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag	ASSAYS	ASSAYS	REMARKS Verdstone - Rec.
				20	8398AQ	0	5	5					VERTICAL
				20	99	5	10						
				100	8400AQ	10	15		.001	-.01			
				100	01	15	20						
				100	02	20	25						
				50	03	25	30						
				60	04	30	35						
				40	05	35	40		.003	.04			
				40	06	40	45						
				100	07	45	50						
				100	08	50	55				.009	.15	
				100	09	55	60				.006	.11	
				100	8410AQ	60	65		.008	.03	.010	.14	
				100	11	65	70				.005	.22	
				100	12	70	75				.008	.03	
				50	13	75	80						
				50	14	80	85						
				60	15	85	90		.001	-.01	.001	-.01	
				70	16	90	95						
				80	17	95	100						
				80	18	100	105						
				100	19	105	110						
				100	8420AQ	110	115		-.001	-.01			
				100	21	115	120						
				100	22	120	125						
				100	23	125	130						
				100	24	130	135						
				100	25	135	140		-.001	-.01			
				100	8426AQ	140	145						

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PROJECT _____

HOLE NO. BVO-87-14

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-10 OVB Dam Calcrete w/ minor basalt & Ano. frgs.											
10-95' Ano Tuff Med. Dk Brown. Fine Grained w/ Round Mafics. Indurated. 50-55 20% Porphyry frgs.	10-95' Mod Strong Prop. Alt- Perv. Weak Argillic Alt.		40-80' Weak FeOx (1) Restricted to Frgs. 70-80 HS colorl. to Feldspars.								
95-145' Granite Coarsely xtalline.	95-145' Mod - Weak Prop. Alt.		95-125. Weak Perv. FeOx (1)				T.D. @ 145'				

SAMPLE RECORD

SAMPLER:

PRO[illegible] B.V.O DRILL HOL[illegible] 87-15 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag	ASSAYS	ASSAYS	REMARKS VERDSTONE
9-15-87				10	8427AQ	0	5		.002	.18			TWIN 85-2 VERTICA'
				15	28	5	10		<.001	.13			
				20		10	15		NO	SAMPLE			
				20	29	15	20		<.001	.24			
9-16-87				20	8430AQ	20	25		<.001	.23			
				30	31	25	30		<.001	.55			
				80	32	30	35		.228	3.24			
				80	33	35	40		.422	8.14	.742	7.6	
				80	34	40	45		.069	3.53			
				50	35	45	50		.010	1.60			
				80	36	50	55		.005	.62			
				90	37	55	60		.002	.19			
				90	8438AQ	60	65		.001	.13			

SCALE
LOGGED BY:

PROJECT

HOLE NO. BVO-87-15.

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ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-30' FELSIC TUFF WHITE POWDER.	0-30' STRONG TO INTENSE ARGillic ALT.						NO SAMPLE 10-15'				
25-30 RED POWDER!			25-30' PERVASIVE FeOx (H) TO SPL MOD-STRONG								
30-50 VEIN. GREEN COLORED QTZ VEIN FRGS. IN SILC TUFFACEOUS. MATL.	30-50 STRONG Sil^n		30-50. WEAK FeOx (3-5) ON FRX. MOD (H) ON FRX.								
50-65 AND Abr(?) PHENOS OF FELD IN BL MATRIX	50-65. MOD. Sil^n		50-65. MOD (H) & WEAK (3-5) ON FRX ONLY.				T.D. @ 65'				

SAMPLE RECORD

SAMPLER:

PROJ. B.V.O. DRILL HOLE 87-16 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag	ASSAYS	ASSAYS	REMARKS
													OAKLAND.
				10	8439AQ	0	5	5					-60° S 30W.
				20	8440AQ	5	10						
				20	41	10	15		<.001	<.01			
				45	42	15	20						
				30	43	20	25						
				40	44	25	30						
				100	45	30	35		<.001	<.01			
				100	46	35	40						
				70	47	40	45						
				70	48	45	50						
				70	49	50	55						
				70	8450AQ	55	60		<.001	<.01	<.001	.06	
				70	51	60	65						
				70	52	65	70						
				70	53	70	75						
				80	54	75	80						
				70	55	80	85						
				90	56	85	90		.001	.09			
				90	57	90	95						
				60	58	95	100		.001	.12			
				70	59	100	105		.002	.09			
				70	8460AQ	105	110		<.001	.13			
				70	61	110	115		<.001	.03			
				70	62	115	120		<.001	.10	<.001	.05	
				50	63	120	125		<.001	.10			
				90	64	125	130		<.001	<.01			
				90	65	130	135		<.001	<.01			
				90	66	135	140		<.001	.28			
				70	67	140	145						
				70	68	145	150						
				80	69	150	155		.001	.04			
				90	8470AQ	155	160						
				90	71	160	165						
				90	72	165	170		<.001	<.01			
				80	73	170	175						
				70	74	175	180						
				90	75	180	185		.001	.02			
				80	76	185	190						
				90	77	190	195						
				90	78	195	200		<.001	<.01			
				80	79	200	205						
				80	8480AQ	205	210		.001	.07			
				80	81	210	215						
				80	82	215	220		.001	.01	<.001	.05	
				100	83	220	225						
				100	84	225	230						
				100	85	230	235		.002	.11			
				100	8486AQ	235	240		<.001	.04			

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BIO-87-16.

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-10 CALCRETE														
10-100 LAHARIC BRXX? FRGS OF AND TUFF, AND POR. RHYOLITE & CALCITE IN FINE TO MED. GRAINED, RED COLORED SILTY MATRIX.	10-100 CALCAREOUS ALT TO FELDSPARS. LOCAL CLAY BAND.	10-100 RARE Q. VNLTS TO 5MM.	10-30' WEAK FeOx (H) DOM ON & ADJ to FRX. 30-100> MOD PERV FeOx (H) - SYN?											
100-130' AND POR PHENOS OF BLEACHED FELD IN RED COLORED F.G. MATRIX.	100-130' WEAK ARGILLIC ALT OF FELDSPARS.		100- MATRIX = PERV FeOx (H) - MOD, SYN?											
130-140' TUFF(?) FINE GRAINED. RED COLORED. LIESEGANG BANDING NOTED.			130-140' SYN FeOx (H) PERV. MOD.											
140-240 AND POR PENOS OF FELD IN F.G. MATRIX.			140- MOD SYN FeOx (H) STAINING OF MATRIX				T.D. @ 240'							

SAMPLE RECORD

SAMPLER:

PROJECT: B.V.O.

DRILL HOLE: 87-17

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS BRONCO
				15	8487AQ	0	5	5	.007	<.01			VERTICAL.
				50	88	5	10		.014	<.01			
				30	89	10	15		.018	.02			
				30	8490AQ	15	20		.010	.10			
				50	91	20	25		.007	<.01			
					92	25	30		.010	<.01			
					93	30	35		.041	2.01			
					94	35	40		.043	2.54			
				70	95	40	45		.141	1.25			
				60	96	45	50		.045	.52			
				80	97	50	55		.011	.25			
				80	98	55	60		.006	.18			
				70	99	60	65		.007	.53			
				80	8500AQ	65	70		.010	.73			
				70	01	70	75		.013	.15			
				80	02	75	80		.014	.35			
				80	03	80	85		.018	.44			
				80	04	85	90		.002	.61			
				80	05	90	95		.019	.38			
				90	06	95	100		.015	.21	.011	.21	
				50	07	100	105		.010	.13			
				70	08	105	110		.007	.12			
				80	09	110	115		.004	.22			
				80	8510AQ	115	120		.012	.30			
				60	11	120	125		.007	.23			
				60	12	125	130		.010	.78			
				20	13	130	135		.005	.22			
				30	14	135	140		.007	.27			
				60	15	140	145		.008	.24			
				60	16	145	150		.002	.21			
				80	17	150	155		.004	.14			
				80	18	155	160		.004	.16			
				60	19	160	165		.006	.29			
				87	8520AQ	165	170		.009	.19			
				90	21	170	175		.007	.21			
				60	22	175	180		.002	.11			
				70	23	180	185		.005	.04			
				20	24	185	190		.003	.12			
				60	25	190	195		.013	.03			
				50	26	195	200		.021	.29			
				15	27	200	205						
				60	28	205	210		.026	.05			
				80	29	210	215		.006	.28			
				80	8530AQ	215	220		.006	.24			
				80	31	220	225		.005	<.01			
				80	32	225	230		.003	.06			
				80	33	230	235		.001	.06			
				90	34	235	240		.001	.20			
				70	35	240	245		.005	.32			
				80	36	245	250		.007	<.01	.006	.18	
				80	37	250	255		.006	.08			
				90	38	255	260		.009	.28			
				70	39	260	265		.038	<.01			
				80	8540AQ	265	270		.005	<.01			
				80	41	270	275		.004	<.01			
				80	42	275	280		.011	<.01			
				80	43	280	285		.007	<.01			
				70	44	285	290		.002	<.01			
				80	45	290	295		.002	<.01			

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SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-17

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-315 AND PDR EUHEDRAL PHENOS OF FELD & MAFICS (BIOT) IN F.G. FELSIC GDMSS. LOCALLY BRXX?	0-30 MOD PROP. ALT. LOCALLY WEAKLY CALCAREOUS.	0-30 Q. VEINING TO 10% OF SPL.	0-20 PERV. FeOx (H) - MOD.											
			20.-15' FeOx (H) DECR TO WEAK & DOM ON & ADJ. TO FRX. RARE (S) on FRX.											
	30-95' STRONG PROP ALT.	30-45 Q. VEINING INCR TO 40% OF SAMPLE. DOM. SUGARY. LOCALLY XTALLINE.												
		60-65' FRG OF DKGY CALCITE.												
	95-170 FELDS ARE LOCALLY STRONGLY SILIC.	95-145' Q. VEIN FRGS TO 40% NOTED. - SUGARY DRUSY - XTALLINE.	125-130 PERV. FeOx (H) 130-240' 7 FeOx (H) DOM ON & ADJ to FRX. LOC PERV.											
	170-220' WEAK SILIC WEAK ARG. MOD PROP.													
	220-225' STRONG SILIC MOD PROP.													
	225-240 MOD ARGILLIC - 30% SPL. MOD PROP													
	240-245' STRONG ARGILLIC ALT 5) ± 70% 9 SPL. MOD PROP ALT.		240-245 MOD-STRONG PERV. FeOx (H)											
	245-315 MOD ARGILLIC MOD PROP	245-280' Q. VEINING TO 10% OF SPL - SUGARY.	245'-280 FeOx (H) DOM ON & ADJ to FRX. MINOR DISSM.											
280-315' ROCK LOC. ALLY BRXX.		280-290 Q. VEINING TO 80% OF SPL - SUGARY. 290-315' Q. VEINING ± 20%. DOM INTERLINK - XTALLINE.	280-315 FeOx (3) on FRX only. > 295 >> DISSM.											
315-400' AND PDR (?) PHENOS OF MAFICS IN F.G. FELSIC PDR. MATRIX COLOR VARIES FROM GREEN to DKG	315' - 400' WEAK PROP ALT. WEAK ARG. ALT. ARG ALT INCR TO STRONG LOCALLY.		335-400' DISSM. PERV. FeOx (4)-MOD. LOCALLY (H) PERV OX.											
400-425 GRANITE COARSE GRAINED			400-425 WEAK FeOx (1-2) on FRX & XTAL BOUNDARIES.				TD = 400'							

SAMPLE RECORD PRO B.V.O. DRILL HOL 87-17 PAGE 2 OF 2

SAMPLER:

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS
				70	8547AQ	300	305	5	.044	.05			
				20	48	305	310		.047	<.01			
				80	49	310	315		.020	<.01			
				80	8550AQ	315	320		.008	<.01			
				80	51	320	325		.009	.19			
				70	52	325	330		.007	<.01			
				80	53	330	335		.009	.36			
				80	54	335	340		.017	.32			
				60	55	340	345		.117	<.01			
				60	56	345	350		.057	<.01	.053	.21	
				70	57	350	355		.031	<.01			
				80	58	355	360		.075	.43			
				80	59	360	365		.011	<.01			
				80	8560AQ	365	370		.003	<.01			
				80	61	370	375		.001	<.01			
				80	62	375	380		.001	<.01			
				70	63	380	385		<.001	.03			
				100	64	385	390		.001	.15			
				100	65	390	395		<.001	.11			
				100	66	395	400		<.001	.10			
				100	67	400	405		<.001	<.01			
				100	68	405	410		<.001	.06			
				100	69	410	415		<.001	<.01			
				100	8570AQ	415	420		<.001	<.01			
				100	8571AQ	420	425		.001	<.01			

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SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE 87-18 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS Bronco.
9-18-87				20	8572AQ	0	5	5	.010	.09			-60 N20W. (N18W).
				20	73	5	10		.008	.14			
				30	74	10	15		.116	.05			
				40	75	15	20		.079	.33			
				40	76	20	25		.068	.51	.065	.32	
				70	77	25	30		.082	.88			
				70	78	30	35		.104	.36			
				80	79	35	40		.056	.61			
				70	8580AQ	40	45		.055	.12			
				60	81	45	50		.094	<.01			
				50	82	50	55		.095	.39			
				80	83	55	60		.060	.43			
				80	84	60	65		.046	.33			
				80	85	65	70		.062	.26			
				80	86	70	75		.034	.31			
				80	87	75	80		.032	.26			
				50	88	80	85		.036	.30			
				80	89	85	90		.020	.25			
				90	8590AQ	90	95		.022	.17			
				60	91	95	100		.014	.11			
9-19-87				60	92	100	105		.015	.14			
				70	93	105	110		.015	.10			
				80	94	110	115		.013	<.01			
				70	95	115	120		.014	.13			
				50	96	120	125		.010	.08	.012	.19	
				60	97	125	130		.010	.09			
				80	98	130	135		.009	.04			
				80	99	135	140		.010	.02			
				80	8600AQ	140	145		.019	.16			
				70	01	145	150		.010	.15			
				70	02	150	155		.008	.13			
				50	03	155	160		.007	.09			
				30	04	160	165		.012	.08			
				60	05	165	170		.009	.14			
				50	06	170	175		.004	.15			
				40	07	175	180		.008	<.01			
				70	08	180	185		.008	.04			
				70	09	185	190		.003	.09			
				70	8610AQ	190	195		.003	<.01			
				80	11	195	200		.003	.06			
				50	12	200	205		.011	.15			
				50	13	205	210		.004	.04			
				40	14	210	215		.005	.05			
				50	15	215	220		.007	.09			
				100	16	220	225		.013	.24	.012	.02	
				40	17	225	230		.011	.17			
				40	18	230	235		.007	.16			
				50	19	235	240		.004	.17			
				50	8620AQ	240	245		.004	.45			
				60	21	245	250		.003	.21			
				70	22	250	255		.003	.33			
				80	8623AQ	255	260		.005	.15			

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SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-18

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
AND POR 10's OF FELDSPAR APCS IN F.G. RED STAINED MATRIX. 10 - ROCK APPEARS TO BE BRECCIATED LOCALLY.	0-185 MOD-STRONG PROPYLITIC ALT. BECOMING > MOD W/ DEPTH. 185-190' CLAY ZONE. APPROX 50% OF SAMPLE SHOWS ARGILLIC ALT. 190-215' MOD. PROP ALT. V. WEAK ARG. ALT TO FELD. 215-260' MOD-STRONG ARGILLIC ALT APPROX 70% OF SPL. DECR TO 40% @ 250' MOD. LY CHLORITIC.	0- MINOR HAIRLINE CALCITE VEINS - OR FRX COATINGS. 10-150' QTZ VEINS - STOCKWORK. HAIRLINE TO 1/4" BANDED CRYPTO XTALLINE TO SUGARY - VEINS = 30-40% OF SPL. 35-40' Q VEIN DECR TO 10-20% OF SPL. 100-150' Q VEIN DECR TO 5% OF SPL. 160-165' Q VEIN FRAG NOTED. APPROX 5% OF SPL 145-205 Q VEINING, TO 5% OF SPL. 250-255' CuOx NOTED?	0-140' SALT & PEPPER OF FeOx (H) ON FRX SURFACES. 140-215' PERVASIVE FeOx (H) MOD. SYN? 215-260' DECR PERV. FeOx (H) TO TR DOM S&P ON FRX. + S&P PYX (1-5%) IN FRX ALSO				185-190 FAULT 20?							
							TD @ 260'							

SAMPLE RECORD

SAMPLER:

PRO[illegible] B.V.O. DRILL HOL[illegible] 87-19 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag	ASSAYS	ASSAYS	REMARKS OAKLAND
9-20-87				15	8624AQ	0	5	5	<.001	.17			-60° S30W.
				20	25	5	10						
				20	26	10	15						
				30	27	15	20						
				40	28	20	25						
				50	29	25	30		<.001	.07			
				60	8630AQ	30	35						
				20	31	35	40						
				20	32	40	45						
				20	33	45	50						
				60	34	50	55						
				70	35	55	60						
				50	36	60	65		.001	.07			
				70	37	65	70						
				80	38	70	75						
				80	39	75	80		.002	<.01			
				70	8640AQ	80	85		.004	.14			
				70	41	85	90		<.001	.06			
				70	42	90	95		<.001	.11			
				70	43	95	100		<.001	<.01	.005	<.01	
				70	44	100	105		.002	.08			
				70	45	105	110		<.001	.02			
				60	46	110	115		<.001	.03			
				70	47	115	120						
				70	48	120	125						
				70	49	125	130						
				60	8650AQ	130	135						
				50	51	135	140		.001	.05			
				20	52	140	145						
				20	53	145	150						
				50	54	150	155						
				50	55	155	160						
				20	56	160	165						
				15	57	165	170						
				40	58	170	175		<.001	<.01			
				40	59	175	180						
				25	8660AQ	180	185						
				40	61	185	190						
				60	62	190	195						
				60	63	195	200						
				40	64	200	205						
				50	65	205	210						
				50	66	210	215		.001	.01	<.001	.05	
				50	67	215	220						
				60	68	220	225						
				60	69	225	230						
				60	8670AQ	230	235						
				60	71	235	240						
				100	72	240	245		<.001	.04			
				100	8673AQ	245	250						

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SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-19

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-10' CALCRETE											
10-105' LAHARIC BRXX. LOCALLY BRXX FRGS OF AND POR, AND TUFF, RHYOLITE. IN F.G. MATRIX. RARE CALCITE FRGS NO	90-95. STRONG ARG. ALT OF APPROX 40% OF SAMPLE.		20- MOD FeOx(H) POSS. SYN?								
105-110 TUFF? F.G. RED COLORED	105-110. ARGILLIC ALT - STRONG										
110-250' AND POR. EUHED FELDSPAR PHENOS IN F.G. GDMSS LOCALLY BRXX.	110- WEAK CALCEDONY ALT OF RARE FELD XTALS.						T.D. @ 250'				

SAMPLE RECORD

SAMPLER:

PROJ B.V.O. DRILL HOL 87-20 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag	ASSAYS	ASSAYS	REMARKS OAKLAND
9-20-87				15	8674AQ	0	5	5					VERTICAL.
				70	75	5	10						
				50	76	10	15						
				70	77	15	20		.002	.04			
				70	78	20	25						
				70	79	25	30						
				90	8680AQ	30	35						
				90	81	35	40						
				90	82	40	45						
				90	83	45	50						
				90	84	50	55						
				90	85	55	60						
				90	86	60	65		.002	.03			
				90	87	65	70						
				70	88	70	75						
				60	89	75	80		.005	<.01			
				70	8690AQ	80	85		.005	.09			
				80	91	85	90		.004	.04			
				80	92	90	95		.014	.37			
				90	93	95	100		.001	.05			
				80	94	100	105		<.001	.07	<.001	.09	
				80	95	105	110		<.001	.06			
				90	96	110	115		<.001	.12			
				90	97	115	120		<.001	.01			
				90	98	120	125		<.001	<.01			
				90	99	125	130		<.001	<.01			
				90	8700AQ	130	135		<.001	.02			
				90	01	135	140						
				90	02	140	145		.002	.03			
				100	03	145	150						

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVD-87--20

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-5' DUMP.											
5-85 LAHARIC BRXX FRGS OF RHYOLITE, TUFF & AND (TUFF & PORE) IN F.G. MATRIX.	80-85. MOD. STRONG REG. ALT TO 50% DI SPL. 85-120' MOD. PROP ALT. WEAK CALCAREOUS ALT TO FELD XTALS.	85-90 1 FLAKE OF SILICA (Q. VEIN.?) NOTED.	15-120' SJN. MOD FeOx (H) PERV.								
85- AND PORE EUHED PHENOS OF FELDSPAR IN F.G. GRMS DOM MOD BROWN IN COLOR.											
120-150' COBR CHANGE TO DK RED BROWN - DK. GREEN.			T.D. 150'								

SAMPLE RECORD

SAMPLER:

PROJ: BVO

DRILL HOL: 87-21

PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag	ASSAYS	ASSAYS	REMARKS BIG DEAL
9.21.87				25	8704AQ	0	5	5	<.001	<.01			VERTICAL
				20	05	5	10		<.001	.03			
				0	06	10	15		<.001	<.01			
				0	07	15	20		.001	<.01			
				20	08	20	25		.001	.09			
				25	09	25	30		.001	.01			
				30	8710AQ	30	35		.001	<.01			
				100	11	35	40		<.001	.01			
				100	12	40	45		<.001	.10			
				100	13	45	50		<.001	.02	<.001	.11	
				100	14	50	55		<.001	.01			
				100	15	55	60		<.001	<.01			
				100	16	60	65		<.001	.08			
				100	17	65	70		<.001	<.01			
				100	18	70	75		<.001	.01			
				100	19	75	80		<.001	.07			
				100	8720AQ	80	85		.001	<.01			
				100	21	85	90		<.001	<.01			
				100	22	90	95		<.001	<.01			
				100	23	95	100		<.001	.03			
				100	24	100	105		<.001	.05			
				100	25	105	110		<.001	.01			
				100	26	110	115	}					
				100	27	115	120	}	<.001	.02			
				100	8728AQ	120	125	}					

SCALE _____
LOGGED BY: _____

PROJECT _____

HOLE NO. BVO-87-21

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-15' TUFF. FINE TO MED GRAINED SILTY. MOD RED IN COLOR.	0-15' WEAK CALCAREOUS ALT.		0-15' SYN. PERV. FeOx (H). MOD.											
15-25 RHYOLITE FLOW BANDED. LIGHT PINK IN COLOR.	15-25. FRESH - V. WEAK PROP ALT TO MAFICS.													
25-70' TUFF FINE TO MEDIUM GRAINED. SILTY MOD RED IN COLOR	25-70' MOD to STRONG ARGILLIC ALT. WEAK. PERV. CALCAREOUS. ALT. 55-60 STRONG SILIC ALT.		25-70' SYN(?) PERV. FeOx (H) MOD.											
70-80 GRANITE COARSE GRAINED.														
80-85 BRXX COARSE GRAINED	80-110. WEAK-MOD ARGILLIC ALT.		80-110. MOD. PERV. SYN. FeOx(H)											
85-110 TUFF. FLOW BANDED. LOCALLY PDR.														
110-125 GRANITE. COARSE GRAINED.							T.D. 125'							

SAMPLE RECORD

SAMPLER:

PROJ BVO DRILL HOLE 87-22 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	opt ASSAYS Au	Ag			REMARKS
													BRONCO.
11-14-87				70	8729AQ	0	5	5					VERTICAL
11-15-87				60	30	5	10		<.001	<.01			
				40	31	10	15						
				60	32	15	20		<.001	<.01			
				50	33	20	25						
				50	34	25	30		.001	<.01			
				40	35	30	35		.002	<.01			
				40	36	35	40		.001	<.01			
				50	37	40	45		.001	<.01			
				60	38	45	50		<.001	<.01			
				70	39	50	55		<.001	<.01			
				80	8740AQ	55	60		<.001	<.01			
				60	41	60	65		.002	.11			
				60	42	65	70		.001	<.01			
				80	43	70	75		.003	<.01			
				50	44	75	80		.001	<.01			
				50	45	80	85		<.001	.29			
				50	46	85	90		<.001	.04			
				40	47	90	95		.001	.03			
				80	48	95	100		<.001	<.01	<.001	<.01	
				80	49	100	105		.001	.01			
				90	8750AQ	105	110		<.001	<.01			
				90	51	110	115		<.001	.04			
				80	52	115	120		<.001	.04			
				90	53	120	125		<.001	.07			
				70	54	125	130		<.001	.02			
				80	55	130	135		<.001	.02			
				70	56	135	140		<.001	<.01			
				70	57	140	145		.001	.01			
				70	58	145	150		.001	<.01			
				80	59	150	155		<.001	<.01			
				70	8760AQ	155	160		<.001	<.01			
				80	61	160	165		.001	.02			
				90	62	165	170		.001	<.01			
				80	63	170	175		.001	.02			
				90	64	175	180		.001	<.01			
				90	65	180	185		<.001	<.01			
				90	66	185	190		<.001	<.01			
				80	67	190	195		<.001	<.01			
				90	68	195	200		<.001	.01	.001	<.01	
				100	69	200	205		<.001	.03			
				100	8770AQ	205	210		<.001	<.01			
				100	71	210	215		<.001	<.01			
				60	72	215	220		<.001	<.01			
				60	73	220	225		<.001	<.01			
				70	74	225	230		<.001	<.01			
				70	75	230	235		.009	<.01			
				70	76	235	240		.001	<.01			
				90	77	240	245		.018	.06			
				100	78	245	250		.001	<.01			
11-15-87				100	79	250	253.5		<.001	.03			

SCALE
LOGGED BY:

PROJECT B.V.O.

HOLE NO. 87-22.

PAGE 1 OF 1

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-10 CALCRETE DOM WHITE F.G XTALLINE CALCITE W/ 20% BASALT FRGS.											
10-20 BASALT F.G. DARK GRAY FRGS.	10-20' V. WEAK PROP										
20-180' AND. POR MOD. BROWN FELD PHENOS IN DK BROWN F.G. MATRIX. HARD-INDURATED.	20- V. WEAK PROP.		20-180' WEAK DISSM. FeOx = BROWN COLOR?				125-145 5% REDDISH BROWN CLAY-FLT ZO? (5% BY VOL/PER SPL).				
		155-160' RARE XTALLINE (DRUSY) QTZ on FRX.									
180-200' AND (POR) RARE FELD PHENOS IN F.G MATRIX. DOM DK GRAY COLOR. HARD-INDURATED.											
200-225' AND POR (SIM TO 20-180, COLOR TO MOD BROWN.											
225-250' RHYODACITE ? LOCALLY PORPHYRITIC. PALE YELLOWISH ORANGE FINE TO MED GRAINED PHENOS OF QTZ & FELD HARD-INDURATED.			225-250' WEAK to MOD FeOx (?) ON FRX WEAKLY DISSM.				TD @ 255.5'				

SAMPLE RECORD

SAMPLER:

PROJ[illegible] BVO DRILL HOLE [illegible] 87-23 PAGE OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag	ASSAYS	ASSAYS	REMARKS
													MORGAN.
11-16-87				40	8780AQ	0	5	5	<.001	<.01			VERTICAL
				40	81	5	10						
				50	82	10	15						
				40	83	15	20		<.001	<.01			
				50	84	20	25						
				60	85	25	30		<.001	<.01			
				70	86	30	35						
				70	87	35	40		<.001	<.01			
				80	88	40	45						
				80	89	45	50						
				80	8790AQ	50	55		<.001	<.01			
				90	91	55	60						
				80	92	60	65						
				70	93	65	70		<.001	.02			
				80	94	70	75						
				80	95	75	80						
				80	96	80	85						
				70	97	85	90		<.001	.05	<.001	<.01	
				80	98	90	95						
				90	99	95	100						
				90	8800AQ	100	105						
				90	01	105	110		<.001	<.01			
				90	02	110	115						
				90	03	115	120						
				80	04	120	125						
				60	05	125	130		<.001	<.01			
				90	06	130	135						
				80	07	135	140						
				50	08	140	145						
				50	09	145	150		<.001	<.01			
				50	8810AQ	150	155						
				60	11	155	160						
				60	12	160	165						
				60	13	165	170		<.001	<.01			
				70	14	170	175						
				60	15	175	180						
				60	16	180	185						
				70	17	185	190		<.001	.03			
				70	18	190	195						
				70	8819AQ	195	200						

SCALE _____
LOGGED BY: _____

PROJECT B.V.O.

HOLE NO. 87-23

PAGE 1 OF 1

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.	SAMPLE NO.	REMARKS
0-45' Calcrete & Ovb Frgs of Basalt. And & Rhyo Dk in Calcareous Matrix w/ Dens'y Watolain Nodes of $CaCO_3$ Locally.	0-45' Zones/Bands of Intense Argillic Alt.										
45-110' And Mod Red Fine Grained w/ Local Phcno's of Feldspar.	45-7 Weak Argillic Alt Strong Prop. Alt. 75-80 Intense Arg. Alt. [Flt Zo?].		45-200 Pervasive FeO_x (N).								
110- Dacite. V. Pale Yellowish Orange Porphyritic. W/ Phcno's of Feldspar & Mafic (Bot) in F.G. Matrix. 165-200 Color Changes To Dark Orange-Brown.	110- Weak Prop Alt. Generally. Mod Arg Alt Locally Locally Silic.						T.D. @ 200'				

SAMPLE RECORD

SAMPLER:

PROJ B.V.O. DRILL HOLE 87-24 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS
11·17·87				70	8820AQ	0	5	5					
				70	21	5	10		<.001	·04			
				60	22	10	15						
				70	23	15	20						
				70	24	20	25		<.001	·04			
				70	25	25	30		<.001	<.01			
				70	26	30	35		<.001	<.01			
				70	27	35	40		·001	<.01			
				·60	28	40	45		<.001	<.01	<.001	<.01	
				70	29	45	50		·001	<.01			
				60	8830AQ	50	55		·025	<.01			
				70	31	55	60		·019	<.01			
				70	32	60	65		·023	<.01			
				70	33	65	70		·019	<.01			
				70	34	70	75		·010	<.01			
				70	35	75	80		·032	<.01			
				70	36	80	85		·012	<.01			
				80	37	85	90		·003	<.01			
				80	38	90	95		·008	<.01			
				80	39	95	100		·005	<.01			
				70	8840	100	105		·004	<.01			
				80	41	105	110		·006	·05			
				80	42	110	115		·025	·06			
				70	43	115	120		·011	<.01			
				70	44	120	125		·001	<.01			
				70	45	125	130		·001	<.01			
				80	46	130	135		·002	<.01			
				80	47	135	140		·009	<.01			
				90	48	140	145		·054	<.01	·043	<.01	
				90	49	145	150		·055	<.01			
				80	8850AQ	150	155		·020	·02			
				80	51	155	160		·008	<.01			
				40	52	160	165		·007	<.01			

SCALE _____
LOGGED BY: _____

PROJECT B.V.O.

HOLE NO. 87-24

PAGE 1 OF ____

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-55' FELSITE PALE CREAM colored CLAY.	0- INTENSE ARGILLIC ALT. - PERV.		0-55' LOCAL ZO'S OF PERV. FeOx(3). + (H). DOM PALE CREAM IN COLOR.								
55-110' BRXX ZO ANGULAR FRGS IN F.G. MATRIX. ANGULAR FRGS ARE DOM F.G DACITE (silic) MATRIX IS PERV. IRON-STAINED.	55-110' MOD PERV. SILICIFICATION. FELDSPAR FRGS & PHENOS LOCALLY ARG. ALT.	55-60. 50% BY VOL Qtz FRGS w/ SULPHIDE S&P. TRANSLUCENT.	55-110' MATRIX IS PERV FeOx(H) STAINED - MOD.								
		75-80 - 15 % BY VOL BANDED Qtz FRGS. WHITE to OPAQUE.									
		105-110' 80% BY VOL Qtz FRGS. WHITE TO OPAQUE.									
110-165' AND PER w/ STOCKWORK Qtz. PHENOS & FELD IN F.G. RED COLORED MATRIX.	110-165. MOD PERV SILIC. WEAK ARG ALT & FELDSPARS LOCALLY.	110-150' Qtz STOCK-WORK ZO. LOCALLY BANDED. 5-20% BY VOL Qtz.	110-14 MOD-INT PERVASIVE FeOx(H) 140-165. DEEP PERV. FeOx(H)								
		150-165' DEEP Qtz FRGS GENERALLY. LOCALLY 160-165 to 15% BY VOL.					T.D. 165'				

SAMPLE RECORD

SAMPLER:

PROJ. B.V.O. DRILL HOLE 87-25 PAGE 1 OF 2

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Opt Au	ASSAYS Ag			REMARKS Vertical - Bronco.
11-17-87				90	8853AQ	0	5	5	.005	<.01			
				60	54	5	10		.007	<.01			
				70	55	10	15		.008	.03			
				70	56	15	20		.003	<.01			
				60	57	20	25		.003	<.01			
				70	58	25	30		.005	<.01			
				70	59	30	35		<.001	<.01			
				70	8860AQ	35	40		<.001	<.01			
				80	61	40	45		.003	.04			
				70	62	45	50		.001	.01			
				70	63	50	55		.001	<.01			
				80	64	55	60		.007	.02			
				70	65	60	65		.007	.23			
				80	66	65	70		.005	.18			
				80	67	70	75		.015	.28			
				100	68	75	80		.010	.32	.011	<.01	
				80	69	80	85		.007	<.01			
				90	8870AQ	85	90		.008	<.01			
				100	71	90	95		.006	.11			
				100	72	95	100		.007	<.01			
				90	73	100	105		.008	<.01			
				90	74	105	110		.005	<.01			
				80	75	110	115		.012	.11			
				90	76	115	120		.009	<.01			
				90	77	120	125		.008	<.01			
				90	78	125	130		.020	<.01			
				90	79	130	135		.016	<.01			
				90	8880AQ	135	140		.010	.01			
				90	81	140	145		.009	.06			
				90	82	145	150		.010	.10			
				90	83	150	155		.004	<.01			
				90	84	155	160		<.001	<.01			
				80	85	160	165		.002	<.01			
				90	86	165	170		.002	<.01			
				80	87	170	175		.003	<.01			
				80	88	175	180		.007	.06	.006	<.01	
				90	89	180	185		.002	<.01			
				90	8890AQ	185	190		.003	.20			
				90	91	190	195		.002	.01			
				80	92	195	200		.004	<.01			
				80	93	200	205		.004	<.01			
				90	94	205	210		.001	<.01			
				90	95	210	215		.003	.51			
				90	96	215	220		.008	<.01			
				90	97	220	225		.002	.01			
				90	98	225	230		<.001	<.01			
				90	99	230	235		.003	<.01			
				90	8900AQ	235	240		.001	<.01			
				90	01	240	245		.002	<.01			
				90	02	245	250		.001	<.01			
				90+	03	250	255		.003	<.01			
				90	04	255	260		<.001	<.01			
				90	05	260	265		<.001	<.01			
				90	06	265	270		<.001	<.01			
				95	07	270	275		.001	<.01			
				90	08	275	280		<.001	<.01	.001	<.01	
				100	09	280	285		.001	<.01			
				100	8910AQ	285	290		.001	<.01			
				100	11	290	295		<.001	<.01			

SCALE _____
LOGGED BY: _____

PROJECT B.V.O.

HOLE NO. 87-25

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-295. AND POR EUHED XTALS OF FELDSPAR IN LT GREEN CHLORITE MATRIX. LOCALLY HARD & INDURATED.	0- MOD to STRONG PROP ALT.	0-5 WEAKLY CALCAREOUS.	0-35. WEAK PERVASIVE FeOx (2) LOCALLY INCR ON F ADJ to FRX. 60-80 WEAK FeOx > ON FRX. 80-195. WEAK H. STAINING PERVASIVE THROUGHOUT SAMPLE. 200-220 > FeOx (H) MOD. PERVASIVE.										
295-300 AND POR EUHED FELSITE XTALS IN LT GREEN MATRIX	295-300 INTENSE PROP ALT.													
300-320 AND POR	300-320 MOD ARG ALT.		300-320. ARG. FeOx (2).											
320-330 GRANITE							T.D. 530'							

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE 87-25 PAGE 2 OF 2

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS
				95	8913AQ	300	305		<.001	<.01			
				95	14	305	310		.044	.10			
				95	15	310	315		.033	<.01			
				90	16	315	320		.001	<.01			
				90	17	320	325		.001	<.01			
				90	8918AQ	325	330		<.001	<.01			

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE NO. 87-26 PAGE 1 OF 1

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	DRILL RUN From	DRILL RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS
													VERTICAL. E. VERDSTONE.
11-18-87				95	8919AQ	0	5	5					
				95	20	5	10						
				80	21	10	15		<.001	<.01			
				80	22	15	20						
				70	23	20	25						
				80	24	25	30		<.001	<.01			
				60	25	30	35						
				50	26	35	40						
				60	27	40	45						
				50	28	45	50						
				50	29	50	55		<.001	<.01			
				50	8930AQ	55	60						
				60	31	60	65						
				60	32	65	70		<.001	<.01			
				60	33	70	75						
				60	34	75	80						
				60	35	80	85						
				60	36	85	90						
				60	37	90	95		<.001	.03			
				60	38	95	100						
11-19-87				70	39	100	105						
				70	8940AQ	105	110						
				70	41	110	115		<.001	<.01	<.001	<.01	
				70	42	115	120						
				70	43	120	125						
				70	44	125	130		<.001	<.01			
				80	45	130	135						
				80	46	135	140						
				80	47	140	145				<.001	.05	
				80	48	145	150		.001	.11	<.001	.13	
				80	49	150	155				<.001	.14	
				80	8950AQ	155	160				<.001	.19	
				80	51	160	165				<.001	.18	
				80	52	165	170		.015	<.01	<.001	.01	
				70	53	170	175				.046	.11	
				70	54	175	180				.015	.04	
				70	55	180	185				.005	.08	
				70	56	185	190		.003	<.01	.006	.11	
				80	57	190	195				<.001	.06	
				80	58	195	200				.001	.06	
				70	59	200	205				.007	.09	
				70	8960AQ	205	210		.005	<.01	.006	.14	
				70	61	210	215				<.001	.06	
				70	62	215	220				<.001	.04	
				60	63	220	225						
				70	64	225	230		<.001	<.01			
				60	65	230	235						
				60	66	235	240						
				60	67	240	245						
				80	68	245	250						
				80	69	250	255		.002	.01			
				70	8970AQ	255	260						
				80	71	260	265						
				80	72	265	270						
				80	73	270	275		<.001	<.01			
				80	74	275	280						
				70	75	280	285		<.001	<.01			
				70	76	285	290						

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SCALE
LOGGED BY:

PROJECT B.V.O.

HOLE NO. 87-26

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	Ag.				SAMPLE NO.	REMARKS
0-170' And Tuff With Porphyritic Zones Locally.	0-170 Prop Alt. Porphyry Shown. Argillic Alt of Feld Pheno's. 55-60' Mod-Intense Argillic Alt.	115-170 SiO_2 on Frx Locally.	0-170 Mod to Strong Pervasive FeO_x (H). Local incr on & Adj to Frx. 145-170 Weak, Local FeO_x(S) on Frx.											
170-205' Tuff Fine Grained, Lt Orange Brown in Color. Hard Indurated. Local Porphyritic Zones.		170-175 Weakly Calcareous. 185-205. Frgs are Locally Siliceous (Pervasively).	170-205' Weak FeO_x(H) on Frx.											
205-250. Tuff Fine Grained, Lt. Lavender in color w/ Sep. of Fresh Mafics to 1mm.	205-225' V. Weak Prop Alt - Tarnished Edges To Mafics (Biotite?). 225-250. Mod to Strong Argillic Alt. Generally Fresh & < Alt Frgs Locally.													
250- And Tuff F.G. Locally Porphyritic	250-270. Mod to Strong Prop Alt.		250-270. Weak. Pervasive FeO_x(H). Locally > on & Adj. To Frx.											
270-290 Granite Qtz Rich, Euhedral	270-290 Strong Prop Alt. - No Mafics Noted.		270-290. Weak-Mod FeO_x(H) on & Adj to Frx.				T.D. @ 290'.							

SAMPLE RECORD

SAMPLER:

PROJECT B.V.O. DRILL HOLE NO 87-27 PAGE 1 OF

DATE DRILLED	BIT SIZE	RECOVERY Ft.	RECOVERY Lbs.	RECOVERY %	SAMPLE NUMBER	RUN From	RUN To	INTERVAL	ASSAYS Au	ASSAYS Ag			REMARKS
11-19-87	·			50	8977AQ	0	5	5					VERTICAL - MORGAN
				50	78	5	10						
				50	79	10	15		.001	<.01			
				50	8980AQ	15	20						
				50	81	20	25						
				50	82	25	30						
				50	83	30	35		.001	<.01			
				50	84	35	40						
				60	85	40	45						
				60	86	45	50		.001	<.01			
				60	87	50	55						
				70	88	55	60						
				70	89	60	65						
				50	8990AQ	65	70		<.001	<.01			
				60	91	70	75						
				60	92	75	80						
				60	93	80	85						
				50	94	85	90		<.001	<.01	<.001	<.01	
				60	95	90	95						
				60	96	95	100						
				70	97	100	105						
				80	98	105	110		<.001	<.01			
				80	99	110	115						
				80	9000AQ	115	120						
				80	01	120	125						
				80	02	125	130		<.001	<.01			
				80	03	130	135						
				80	04	135	140						
				80	05	140	145						
				80	06	145	150		<.001	<.01			
				80	07	150	155						
				85	08	155	160						
				90	09	160	165						
				90	9010AQ	165	170		<.001	<.01			
				90	11	170	175						
				40	12	175	180						
				45	13	180	185						
				80	14	185	190		<.001	<.01			
				95	15	190	195						
				100	9016AQ	195	200						

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SCALE
LOGGED BY:

PROJECT B.V.O.

HOLE NO. 87-27

PAGE ___ OF ___

ROCK TYPE	ALTERATION REMARKS	GANGUE REMARKS	METALLIZATION	DEPTH	% REC	GRAPHIC COL.	DETAIL	ASSAYS Au.	ASSAYS Ag.	SAMPLE NO.	REMARKS
0-10 CALCRETE BASALT FRGS IN CALCAREOUS CEMENT.											
10-110' FELSITE(?) PALE CREAM COLORED	10-110' INTENSE ARG ALTERATION. (90% OF SPL.										
	80-105' ARG ALT OF 98% OF SPL										
110-200' FELSITE F.G. > FeOx & Silic ALT.	110-135' 50% OF SPL IS WEAK to MOD SILICEOUS.		110-185 MOD FeOx (4) LOCALLY STRONGER ON & ADJ to FRX.								
	135- WEAK ARG ALT DOM ADJ to FRX.										
			185-200 DECR FeOx (4) & INCR FeOx (3-5). DOM. ON & ADJ to FRX.								
							200' TD.				

HOMESTAKE
MINING COMPANY
EXPLORATION DIVISION
MAILING ADDRESS
155 GLENDALE, SUITE 18, SPARKS, NEVADA 89431
(702) 331-6980

February 23, 1988

Anna and George Morgan
1210 North 35th Street
Phoenix, Arizona 85008

Dear Anna and George:

Here, at long last, is a copy of the B.V.O. report. (257 Pages) The report should be self-explanatory but if you have any questions, please call.

As mentioned last time we met, the project has moved into our "Prospect Development" status and we hope to resume drilling shortly.

I look forward to visiting with you again soon.

Kindest Regards,

Michael D. Johnson
nlm

Michael D. Johnson
Senior Exploration Geologist

MDJ/nlm
E/01

Enclosure

BVO AGREEMENT EXECUTED
JULY 8, 1987

THIS REPORT WRITTEN JANUARY 1988
257-Pages

RJH

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NOTE: Blocked-out MATERIAL IS IRRELEVANT and REDUNDANT. [illegible]

SUMMARY AND RECOMMENDATIONS

The name BVO is an acronym for Bronco, Verdstone and Oakland. These are the three principal targets within the property area. Work to date by Homestake at BVO has included surface and underground mapping, geochem sampling, of the entire area and 6,376.5 feet of reverse circulation drilling within the three principal target areas.

The property is located in the Little Horn Mountains, approximately 90 miles west-southwest of Phoenix, Arizona. Geology within the property consists of a Tertiary granitic basement overlain by Miocene volcanics and sedimentary rocks, with Quaternary basalt flows capping the highlands. Gold mineralization is associated with:

1) a low angle "detachment fault"
2) silicified stockworks

Mineralization consists of micron to coarse sized gold and silver particles encapsulated by silica. Preliminary metallurgical testing indicates a potential recovery of >85 percent using conventional methods (grinding, flotation and cyanidation of the tails).

Current geologic mineral inventory for two target areas, Verdstone and Bronco, based on all drilling in the property to date is:

Cutoff opt Au	Tons Ore	Grade Au	Grade Ag
.01	1,672,000	.061	.77
.03	810,000	.108	1.20
.04	672,000	.131	1.39
.06	405,000	.174	1.50
.10	321,000	.211	1.89

Potential exists for additional tonnage in extensions of the existing mineral inventory and within untested geochemical and hypothetical targets within the property.

It is recommended that the project be advanced to the Target Evaluation stage and that an aggressive drilling program be undertaken to take the property to the next decision point.

FIGURES

Figure 1	Location Map
Figure 2	Geology Map
Figure 2A	Geology Map - Drilling Results
Figure 3	General Section A - A'
Figure 4	General Section B - B'
Figure 5	Verdstone Drill Hole Location and Tonnage Blocks
Figure 6	Verdstone Section V - V'
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Figure 9A	Bronco - Surface Geochemistry
Figure 10	Bronco Section B - B'
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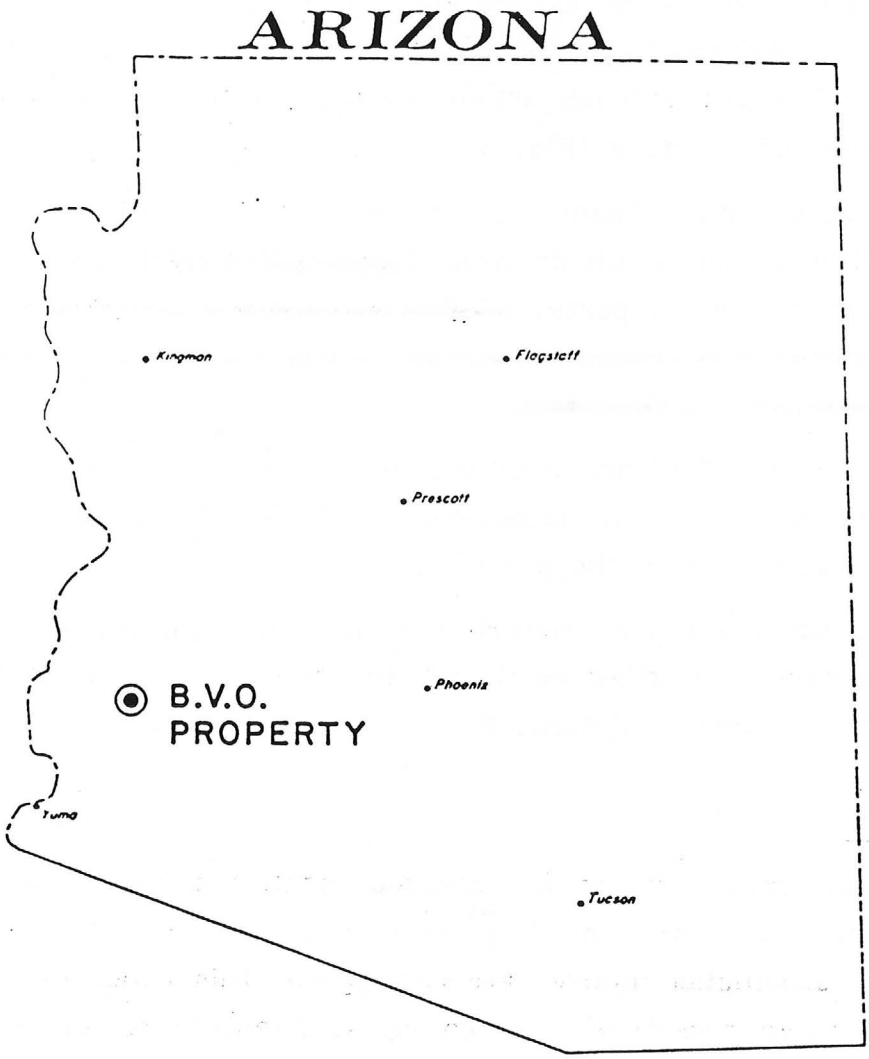
Figure 13	Oakland Mine Plan Set
Figure 14	Oakland Mine Cross Section O - O'

APPENDICES

Appendix 1	Claim List, Claim Map and Assessment Affidavits
Appendix 2	Leases
Appendix 3	Petrology (plus sample location map)
Appendix 4	Metallurgy
Appendix 5	Drilling - Assay Data
	Drilling - Geology Logs
	Drilling - Drill Hole Survey Coordinates
Appendix 6	Ore Block Calculations



Location Map

HOMESTAKE MINING COMPANY

B.V.O. PROPERTY

YUMA AND LA PAZ COUNTIES, ARIZONA

DATA M. Johnson DRAFTED BY: RDS-bw	DATE: Dec., 1987 REVISIONS:

HOMESTAKE

Fig. 1

DATAPRINT N09237

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INTRODUCTION

Location and Access

The property is located IN ~~on the borders of La Paz and~~ Yuma County, Arizona, (Sections 2, 3, 10, 11, 14 & 15 ~~3 and 10~~, Township 1 South, Range 14 West). The property lies approximately 90 miles west of Phoenix and 30 miles east of Quartzite (Fig. 1).

Access from Phoenix is via Interstate 10 to the Hovatter Road turnoff and then south on graded ~~gravel and dirt~~ roads approximately 22 ~~15~~ miles to the property. ~~The final 2 miles of roads are in Yuma County and are in poor condition. Cost of improving this stretch of road would be considerable.~~

Fuel and food are available at the VICKSBURG ROAD interstate turnoff. However, the nearest overnight accommodation is at Salome approximately ~~one hour drive~~ 35 MILES north of the property.

A major electric transmission line and gas pipeline are located approximately 10 miles north of the property. The nearest railroad (Atcheson-Topeka and Santa Fe) is located at Salome.

History

The area is dotted by numerous shallow prospect pits and shafts. The only major mine on the BVO property is the Oakland Mine.

Production figures are missing for this mine, but it is believed that a minor amount of hand cobbed gold and silver ore was shipped to the Sheep Tank's Mine for processing.

Manganese oxides are associated with the gold and silver mineralization and minor amounts have been produced from various localities within the property. This manganese production usually occurred during periods when the price was government supported.

The Sheep Tank's Mine is the largest mine in the district, and is located approximately 4 miles northwest from BVO. The mine was discovered in 1920 and subsequently produced 21,000 ounces of gold

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and 40,000 ounces of silver plus minor amounts of manganese. Production ceased in 1950. The mine lies within the Kofa Game Range and the grandfathered claims covering the mine have been abandoned, consequently this area has been lost to mineral entry.

The Verdstone deposit was discovered in 1940, and 28.5 tons grading 0.48 opt gold and 4.70 opt silver were shipped to the Asarco smelter in Hayden, Arizona for processing.

Little work was done on the property between 1940 and 1979 when George Morgan of Phoenix restaked the three main ~~target areas~~. MINERAL DEPOSITS

In 1982 Rea Gold optioned the property and exploration immediately commenced. From 1982 to 1985, Rea Gold drilled 72 holes concentrating in the Verdstone area. In 1985, estimated reserves from this drilling amounted to 267,250 tons of 0.15 opt gold and ~~1.42~~ 1.95 opt silver.

In the summer of 1987 Homestake, leased the property from George Morgan, et al, and has subsequently conducted an aggressive exploration program.

Land and Status

[redacted]

TA-7

[redacted]

GEOLOGY

Regional Geology

BVO is located in the desert subregion of the Basin and Range physiographic province in southwestern Arizona. The province is west-northwest of the Mesozoic porphyry copper belt and southwest of the Colorado Plateau. The province extends northwest into eastern California, and west into the Salton Sea.

The Basin and Range subprovince shares geologic features of the Arizona porphyry belt, the Colorado plateau and the Basin and Range province of Nevada. The geology, within this province comprises of Precambrian crystalline complexes overlain by Paleozoic to Mesozoic strata characteristic of the Colorado Plateau. Scattered throughout the area are acidic to intermediate Mesozoic to early Cenozoic plutons and remnants of late Tertiary volcanic sequences. Rocks of the province are disrupted by regional thrust faults, detachment faults and high angle normal Basin and Range faults.

Local Geology

Oldest rocks at BVO are biotite-rich granites believed to be of Miocene age. These rocks underlie the property and generally outcrop intermittently in drainages.

Lying unconformably over the granites are a series of igneous rocks of acid (rhyolites) to intermediate (trachites) composition. These rocks vary in texture from porphyritic to tuffaceous. Within the igneous extrusive suite "moat" or lake bed deposit of sedimentary rocks

M-8

are found which include sandstone and limestones. These sedimentary rocks have a limited strike length and are usually narrow. Age of these igneous and sedimentary rocks is believed to be Miocene.

Unconformably above the Miocene volcanic suite are Quaternary basaltic flows and agglomerates. Quaternary sand silt and gravel are found coating valley floors. Calcrete and caliche cement talus covered slopes generally (Fig. 2).

Faulting is common, and there appears to be at least two ages:

1) The oldest set are flat lying, detachment type, with dips of 10 to 20 degrees generally, but locally steepening to 30 and 40 degrees. These faults appear to control and contain about half the mineralization found on the property. The faults wrap around the topography, but are discontinuous due to offsets by steeper faults. The faults contain local zones of intense brecciation, with quartz and calcite cement.

2) The youngest faults are steeply dipping Basin and Range type. These faults strike in two general directions; to the northeast and to the northwest. It is unknown which is the dominant set. Although these faults offset the detachment faults, they generally do not appear to be mineral conduits.

Mineralization and Alteration

Precious metal mineralization within the BVO property is associated with:

1) breccia zones in flat lying faults
2) quartz stockwork zones

Mineralization within the flat fault is generally of infill and vein type consisting dominantly of silica, with minor calcite, manganese and iron oxides. The silica is generally massive and cements the breccia fragments, but locally is chalcedonic and banded. At the Verdstone target, the quartz has a distinctive green color, hence the name. Similar colored quartz is seen in flat faults at the Oakland Target and outside the property at Soldiers Tank. Calcite is a common accessory

M1-9

mineral to the quartz and appears as late stage infill of vugs within the quartz and in hairline to massive veins adjacent to the quartz. Manganese oxide, goethite and hematite are also associated with the quartz-calcite mineralization, and generally coat fractures and breccia fragments.

Above the Verdstone fault is a halo of intense argillic alteration. Generally this alteration is white to light gray in color but is distinctively strongly iron-stained above the contact with the detachment. The argillic alteration grades into propylitic alteration with distance above the fault. Weak to moderate propylitic alteration also occurs below the fault (Figs. 6, 7, 8).

The mineralized quartz stockwork zone has been found only at the Bronco target area, and consist of a wide area of moderate to intense pervasive silicification with local quartz and minor calcite stockwork zones. It currently appears that the stockwork zones are related to several steep shear zones which can be traced for up to 400 feet vertically to the granite contact. These stockwork and associated shear zones trend northeast (Figs. 9, 10). However, an alternate interpretation, based on drill hole assay geometry, suggests that the stockwork zone could be flat lying (Fig. 11). Tonnage and grade calculations reflect both these hypotheses.

Geochemistry

During detailed mapping, 18 samples were collected for multi-element analyses. The samples were preferentially collected from the various mineralization and/or alteration types found at BVO. The samples were assayed for gold, silver, mercury, zinc, arsenic, copper, lead, manganese and barite. Assay results are tabulated in Table 1. Gold assay results correlate well with silver (0.89), copper (0.71), and manganese (0.43). It should be noted, however, that arsenic has a negative correlation with the gold!

Eleven of the multi-element geochem samples were submitted for petrographic analysis. Results of that work are contained in Appendix 3.

M-10

It appears that BVO is a typical epithermal gold system. Results of polished section examination of both head samples and heavy liquid concentrate indicates that native gold is present as: liberated particles (with an average 30 to 40 micron diameter; as composites with vein quartz and associated with goethite; and as smaller grains encapsulated with vein quartz. Silver occurs with native gold and with jarosite and cerargyrite(?) (See Appendix 4).

TABLE 1

	Au	Ag	Hg	Zn	As	Cu	Pb	Mn	Ba
Au	1.00								
Ag	0.89	1.00							
Hg	0.10	0.06	1.00						
Zn	0.38	0.13	0.32	1.00					
As	-0.33	-0.12	0.44	0.12	1.00				
Cu	0.71	0.63	0.28	0.51	-0.14	1.00			
Pb	0.33	0.31	0.52	0.74	0.39	0.55	1.00		
Mn	0.43	0.23	0.23	0.59	-0.18	0.41	0.35	1.00	
Ba	-0.07	0.01	0.06	0.20	0.27	0.19	-0.22	-0.21	1.00
n	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
x	1.88	5.17	271.11	78.72	48.28	34.67	34.83	67.67	47.72
sd	3.06	11.57	273.13	75.67	41.32	47.87	26.68	21.18	25.69

DRILLING

To date a total of 17,949.5 feet of core and reverse circulation drilling in 99 holes has been completed at BVO. Rea Gold drilled 11,213 feet in 72 holes located mostly in the Verdstone and adjacent Morgan zones. Homestake has been responsible for the remaining footage.

Homestake's drilling was designed to extend known zones of mineralization located at the Verdstone, Oakland and Morgan Target zones; and to explore the untested Bronco zone (Fig. 2A).

Drilling at the Verdstone has increased geologic reserves from 267,250 tons at 0.15 opt gold, ~~1.42~~ 1.95 opt silver to a current 762,500 tons at 0.099 opt gold, and 1.32 opt silver.

M-18

Gold mineralization at the Verdstone appears to be contained within a lenticular, lens shaped zone approximately 250 feet wide and 1,000 feet long. Within this zone there is a high grade finger approximately 500 feet long and 50 feet wide and runs >0.2 opt gold. Currently there is no evidence to suggest that high angle fault conduits control the mineralization and it appears that the mineralization is located in a dilation zone within the flat detachment fault. If the mineralization is controlled by the dilations, other similar zones may exist along strike of the fault. One area high of potential is between the eastern edge of the Verdstone and HMC drill hole 87-26 located approximately 800 feet to the east. Hole 87-26, encountered ten feet of Verdstone type mineralization, which ran 0.031 opt Au.

In the previously untested Bronco zone, Homestake drilling has intercepted interesting low grade gold mineralization. This zone currently contains a geologic potential of up to 1,300,000 tons at 0.03 opt gold and remains open in several directions (Figs. 9, 10, 11).

Gold mineralization found in the Morgan zone is contained in a brecciated green quartz vein similar to the Verdstone mineralization. Unfortunately, the mineralization appears restricted to a narrow, lenticular body striking north 20 east. This zone appears to "pinch out" to the east, but may be open to the west (Fig. 12).

[redacted]

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ASSAY RESULTS AND TONNAGE POTENTIAL

Assay Results

Drill cuttings were available for 10 Rea Gold reverse circulation drill holes. Consequently, to check Rea Golds assaying, samples were split out from these cuttings and submitted to Hunter Mining Laboratories. The duplicate results generally correlate very well with original assays, and are tabulated in Table 2.

In addition, Homestake drill holes 87-13 and 87-15 were located to twin existing Rea Gold core and reverse circulation holes (V-31 and 85-2). Again Homestake assay results correlate very well with original data. These results are tabulated on Table 3.

Homestake sample collection and assaying followed standard procedures.

Tonnage and Grade

Tonnage and grade calculations were made based on rectangular blocks of "ore". Block size was controlled by halving distance between drill holes, and/or extending 50 to 100 feet in the dip direction of mineralization. Rea Golds drilling density is quite intense and often three to five vertical or angle holes share the same block. Where this occurs, averages of the intercept thickness and weighted averages of the grade were used (Fig. 5).

In blocks where no drilling occurred but surrounded on three or four sides by drilled blocks, average intercept thickness and weighted average grades were derived from the drilled blocks and used for the none drilled block.

Ore cutoff grades were strictly observed. Forty-five degree pit walls were used throughout. Geologic tonnage and grades are summarized in Table 4.

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TABLE 2

ORIGINAL Vs. DUPLICATE ASSAY RESULTS

Drill Hole	From	To	Original Assays: Rea Gold Skyline Au opt	Original Assays: Chemex Au opt	Duplicate Assays: HMC Hunter Au opt	
VRC-85-1	5	10	0.005		0.001	
	10	15	0.165		0.218	
	15	20	0.100		0.078	
	20	25	0.020		0.018	
	25	30	0.005		0.008	Corr = 0.96
VRC-85-2	20	25	0.005		0.001	
	25	30	0.020		0.019	
	30	35	0.310	0.250	0.180	
	35	40	0.455	0.444	0.404	
	40	45	0.145		0.141	
	45	50	0.005		0.008	Corr = 0.95
VRD-85-4	35	40	0.005		0.001	
	40	45	0.270		0.272	
	45	50	1.790	1.790	1.620	
	50	55	0.150		0.161	
	55	60	0.250	0.266	0.256	
	60	65	0.085	0.088	0.076	
	65	70	0.010		0.013	Corr = 1.00
VRC-85-5	50	55	0.005		0.001	
	55	60	0.045	0.050	0.064	
	60	65	0.015		0.020	
	65	70	0.005		0.003	Corr = 1.00
VRC-85-6	65	70	0.005		0.001	
	70	75	0.165		0.098	
	75	80	0.450		0.525	
	80	85	0.100		0.088	
	85	90	0.190	0.190	0.378	
	90	95	0.065	0.060	0.077	
	95	100	0.010		0.010	Corr = 0.92
VRC85-9	70	75	0.005		0.007	
	75	80	0.375	0.416	0.424	
	80	85	0.020		0.471	
	85	90	0.240		0.267	
	90	95	0.055	0.064	0.116	
	95	100	0.435	0.452	0.026	Corr = 0.30

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Table 2 Continued

Drill Hole	From	To	Original Assays: Rea Gold Skyline Au opt	Original Assays: Rea Gold Chemex Au opt	Duplicate Assays: HMC Hunter Au opt	
VRC-85-10	75	80	0.005		0.001	
	80	85	0.380	0.283	0.419	
	85	90	0.030		0.073	
	90	95	0.025		0.037	
	95	100	0.015		0.021	
	100	105	0.035	0.034	0.039	
	105	110	0.010		0.009	Corr = 1.00
VRC-85-13	160	165	0.005		0.002	
	165	170	0.070	0.072	0.076	
	170	175	0.060	0.062	0.070	
	175	180	0.035		0.045	
	180	185	0.045		0.045	
	185	190	0.045		0.057	
	190	195	0.030	0.036	0.038	
	195	200	0.025		0.027	
	200	205	0.025		0.038	
	205	210	0.035		0.032	
	210	215	0.035	0.037	0.003	
	215	220	0.005		0.004	Corr = 0.94
VRC-85-19	150	155	0.015		0.011	
	155	160	0.015		0.014	
	160	165	0.010		0.006	
	165	170	0.005		0.003	
	170	175	0.005		0.003	
	175	180	0.010		0.005	
	180	185	0.010		0.005	
	185	190	0.005		0.008	
	190	195	0.015		0.008	
	195	200	0.010		0.011	
	200	205	0.010		0.008	
	205	210	0.020		0.008	
	210	215	0.025		0.020	
	215	220	0.025		0.026	
	220	225	0.025		0.025	
	225	230	0.010		0.013	Corr = 0.92
VRC-85-24	75	80	0.005		0.001	
	80	85	0.015		0.013	
	85	90	0.040		0.018	
	90	95	0.015		0.047	
	95	100	0.010		0.011	Corr = 0.93

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TABLE 3

DUPLICATE DRILL HOLE ASSAY RESULTS

V31 vs 87-13

From	To	* V-1 Au opt	87-13 Au opt	(V-31rc) Au opt
175	180	0.001	0.001	0.001
180	185	0.173	0.309	0.140
185	190	0.062	0.039	0.042
190	195	0.051	0.031	0.045
195	200	0.029	0.024	0.015
200	205	0.055	0.028	0.085
205	210	0.060	0.023	0.064
210	215	0.023	0.021	0.074
215	220	0.172	0.040	0.017
220	225	0.157	0.032	0.007
225	230		0.018	0.004
230	235		0.011	0.005
235	240		0.012	0.005
240	245		0.007	0.008
245	250		0.003	0.010
	n	9	12	12
	x	0.087	0.049	0.042
	sd	0.062	0.082	0.042

Correlation Coefficient

	V-31	87-13	V-31rc
V-31	1.00		
87-13	0.56	1.00	
V-31rc	0.06	0.74	1.00

*Grades transformed to 5 foot intercepts

85-2 vs 87-15

From	To	85-2 Au opt	87-15 Au opt
30	35	0.228	0.31
35	40	0.422	0.455
40	45	0.069	0.145
	n	3	3
	x	0.240	0.030
	sd	0.177	0.155

Correlation Coefficient

	85-2	87-15
85-2	1.00	
87-15	1.00	1.00

M-20

TABLE 4

GEOLOGIC PROBABLE TONNAGE AND GRADE

B.V.C.

	Cutoff opt Au	Tons Ore	Grade Au	Grade Ag	Waste Tons	Strip Ratio Waste:Ore 45 Pit Walls
Verdstone (all drill indicated mineralization)						
Pit A	.01	762,500	.099	1.32	12,240,000	16:1
	.03	400,000	.156	1.79	11,740,000	29:1
	.04	355,000	.173	1.98	11,660,000	33:1
	.06	221,300	.244	2.40	8,958,000	40:1
	.10	185,700	.276	2.80	8,667,000	46:1
Verdstone (Shallow, near surface, drill indicated, mineralization only)						
Pit B	.01	199,000	.113	0.95	11,500,000	6:1
	.03	96,000	.176	1.60	870,000	9:1
	.04	86,700	.196	1.70	846,000	10:1
	.06	65,000	.221	1.80	790,000	12:1
	.10	39,900	.276	2.52	591,000	15:1

Plus:

Underground Potential () = 10 ft. thickness)

) = .04 opt Au Cutoff

50% Dilution:

.04	130,000	.175	2.20	--	--
.06	70,000	.255	2.60	--	--
.10	62,000	.271	2.87	--	--

Verdstone: Possible Extensions to Drill Indicated Mineralization

Current possible mineralized extensions would double the existing tonnage with a potentially similar grade

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Table 4 Continued

	Cutoff opt Au	Tons Ore	Grade Au	Grade Ag	Waste Tons	Strip Ratio Waste:Ore 45 Pit Walls
Bronco Case 1 Mineralization is flat lying and close to the surface						
	.01	909,500	.029	0.31	990,000	1.1:1
	.03	410,500	.062	0.62	630,000	1.5:1
	.04	317,000	.083	0.72	555,000	1.8:1
	.06	184,000	.089	0.42	310,000	1.7:1
	.10	136,000	.123	0.64	245,500	1.8:1
Bronco Case 2 Mineralization is associated with steeply dipping (-70°) structures and extends to the granite basement @ +400'						
Probable	.01	1,330,000	.029	0.24	14,600,000	11:1
	.03	336,500	.061	0.41	15,600,000	46:1
Probable & Possible	.01	3,740,000	.030	0.24	22,900,000	6:1
	.03	1,400,000	.054	0.43	25,193,400	18:1

TOTAL VERDSTONE PIT A AND BRONCO CASE 1

Cutoff opt Au	Tons Ore	Grade Au	Grade Ag
.01	1,672,000	.061	.77
.03	810,500	.108	1.20
.04	672,000	.131	1.39
.06	405,300	.174	1.50
.10	321,700	.211	1.89

TOTAL VERDSTONE PIT B AND BRONCO CASE 1
(excluding underground potential)

.01	1,108,500	.044	.27
.03	506,500	.084	.80
.04	403,700	.107	.93
.06	249,000	.123	.78
.10	175,900	.158	1.04

METALLURGY

Six samples were submitted to Dawson Metallurgical Laboratories for initial metallurgical testing. The results are summarized below and contained in Appendix 4.

TABLE 5

METALLURGY - SUMMARY OF RESULTS

Sample No	Gold				Target Location
	Original	Calc. Head	Residue	Rec. %	
8432	0.228	0.212	0.031	85.4	Verdstone
8227	0.42	0.899	0.125	85.8	Verdstone
8229	0.056	0.172	0.022	87.3	Verdstone
8578	0.104	0.091	0.008	91.3	Bronco
8583	0.06	0.054	0.005	90.7	Bronco
8589	0.02	0.029	0.007	76.1	Bronco
	Silver				
8432	3.24	2.47	1.72		
8227	2.59	2.43	1.61		
8229	5.34	5.01	4.49		
8578	0.36	0.81	0.46		
8583	0.43	0.37	0.27		
8589	0.25	0.18	0.11		

Recoveries were by conventional methods, namely grinding, gravity recoveries followed by cyanidation of the tails. Heap leach recoveries were in the 30 to 50 percent range.

Due to the large discrepancies between original and calculated assay results for Verdstone samples, all samples were screen-stack fire assayed. A tabulation of these results is contained in the metallurgy appendix. This data shows that the Verdstone samples contain an increase in gold in the greater than -120 mesh size fraction. This, plus the greater number of samples assayed for the metallurgical tests is a possible reason for the discrepancies.

MDJ/nlm
C/04

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REFERENCES

Cousins, N., 1984, Gold, Silver, and Manganese Mineralization in the Sheep Tanks Mine Area, Yuma County, Arizona. Arizona Geology Society Digest Volume 15.

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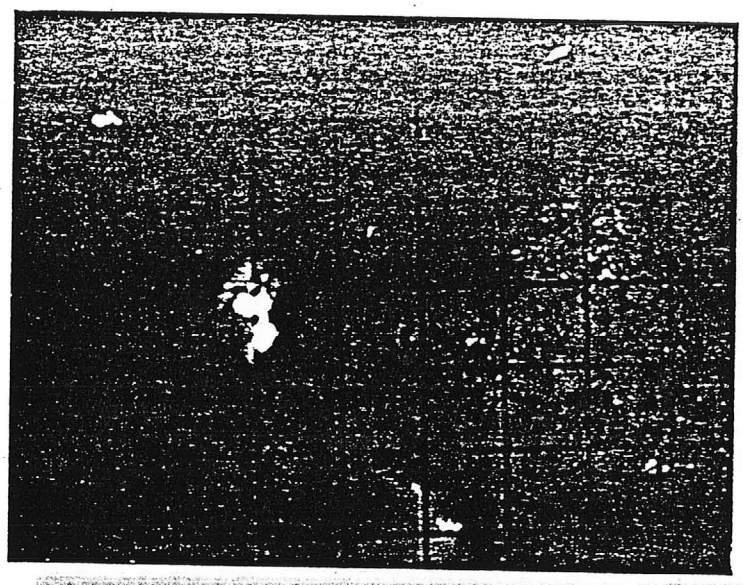
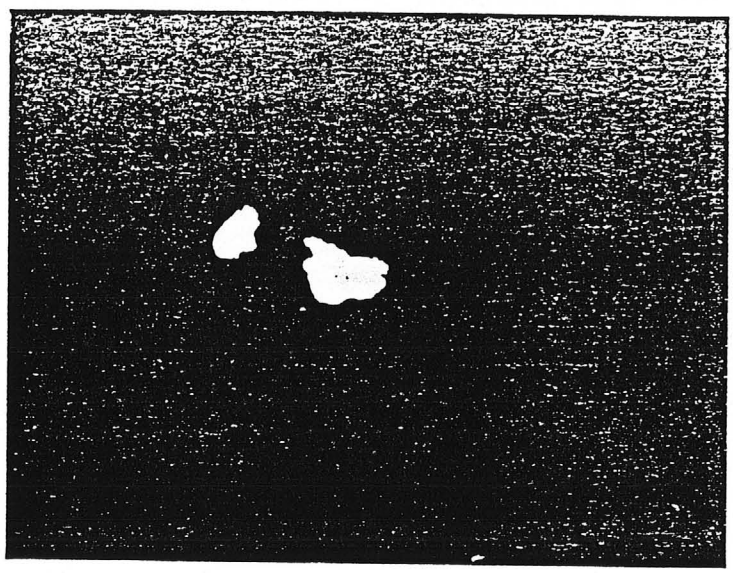
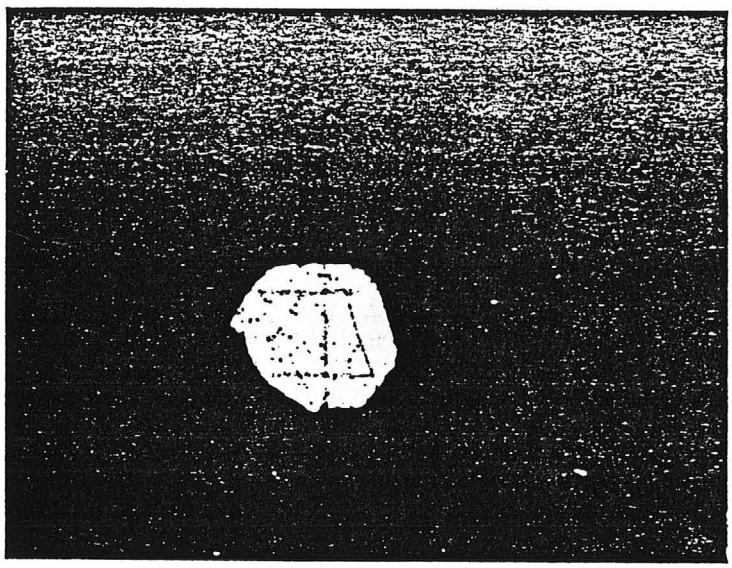


P.S. 8227AC (Heavies). Polished section photomicrograph of small native gold grain associated with goethite-gangue composite. Plain light, X200. Each square of grid is 32 microns on an edge.



P.S. 8227A9 (Heavies). Polished section photomicrograph of liberated native gold particles in grain mount polished section. Plain light, X200. Each square of grid is 32 microns on an edge.



P.S. S227A (Heavies). Polished section photomicrograph of liberated native gold particles. Plain light, X200. Each square of grid is 32 microns on an edge.

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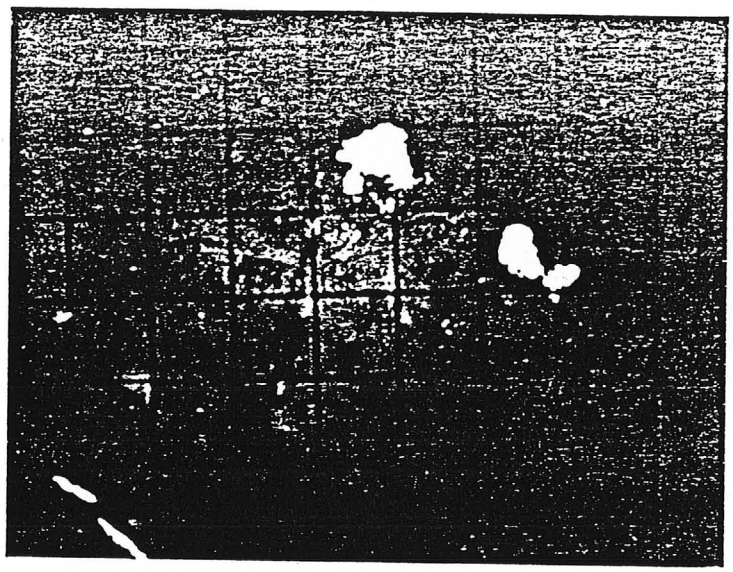

P.S. 8227A2 (Heavies). Polished section photomicrograph of native gold and goethite in composite grain with quartz gangue. Plain light, X200. Each square of grid is 32 microns on an edge.

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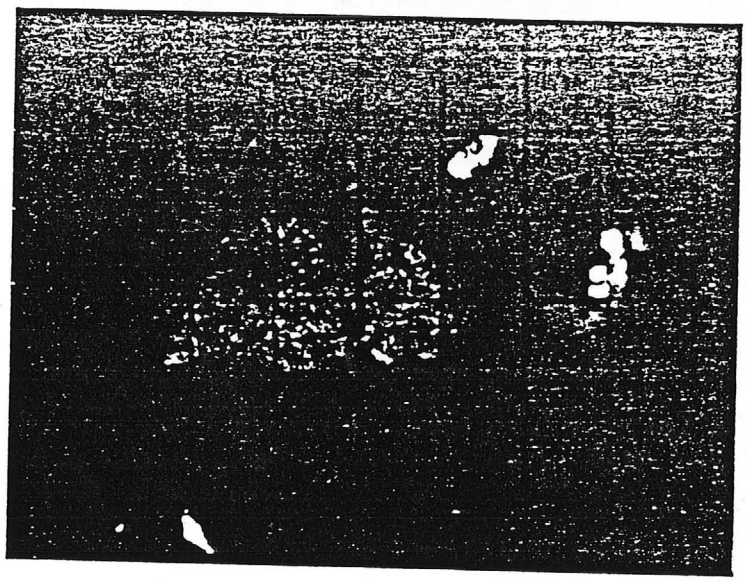
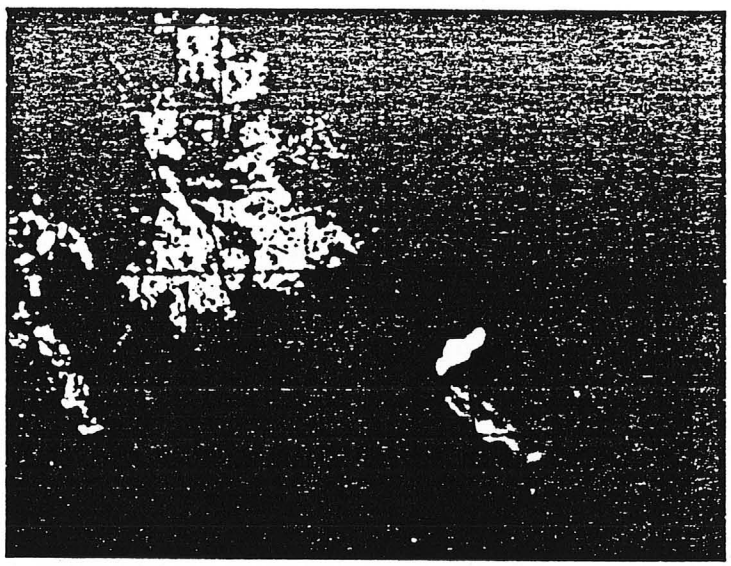
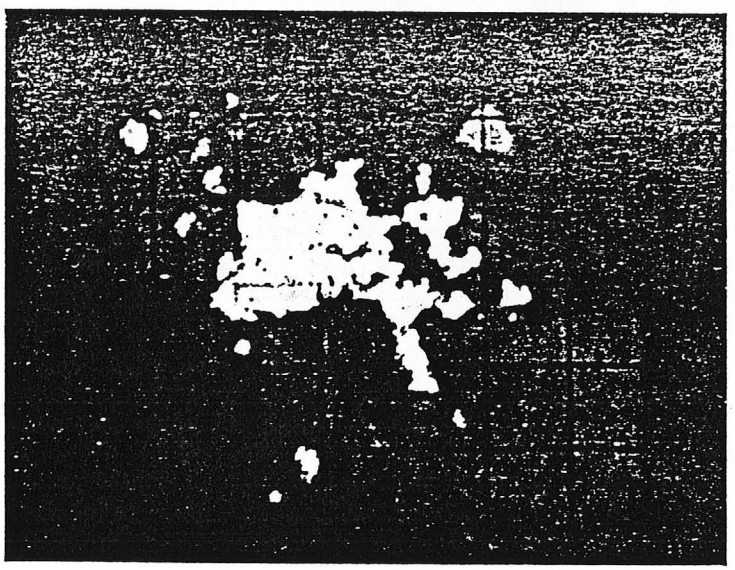


P.S. 8227A? (Heavies). Polished section photomicrograph of native gold in composite grain with goethite and associated with goethite-gangue fragment. Plain light, X200. Each square of grid is 32 microns on an edge.



P.S. 8227A? (Heavies). Polished section photomicrograph of native gold particle associated with goethite-quartz composite. Plain light, X200. Each square of grid is 32 microns on an edge.



P.S. 8227A^ (Heavies). Polished section photomicrograph of native gold (Au) forming composite with quartz and associated with goethite fragment. Plain light, X200. Each square of grid is 32 microns on an edge.

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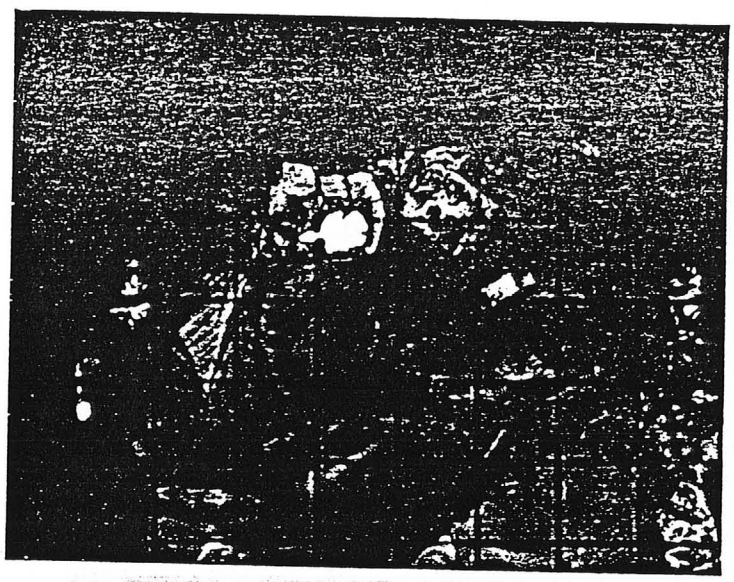
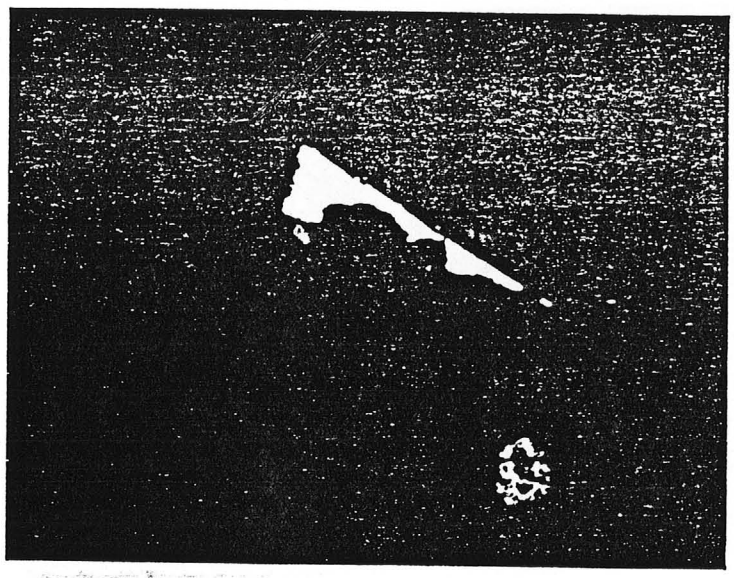
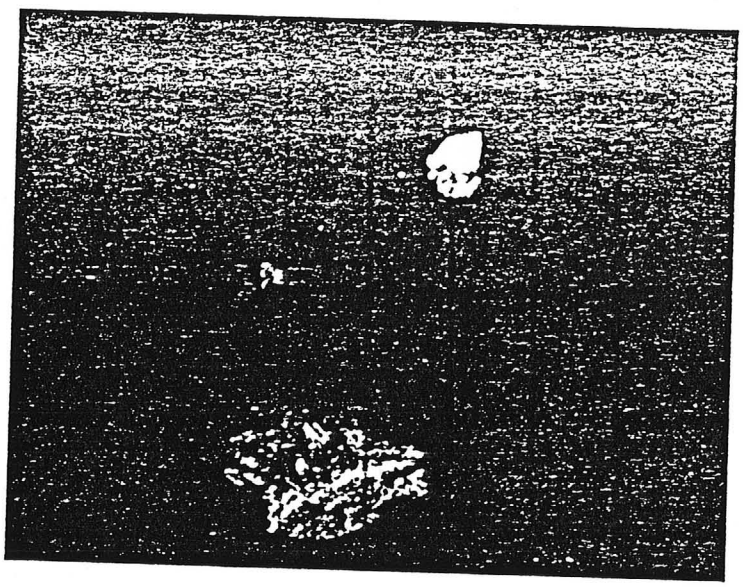


P.S. 8227AG (Heavies). Polished section photomicrograph of native gold in particles locked in both goethite and quartz. Plain light, X200. Each square of grid is 32 microns on an edge.

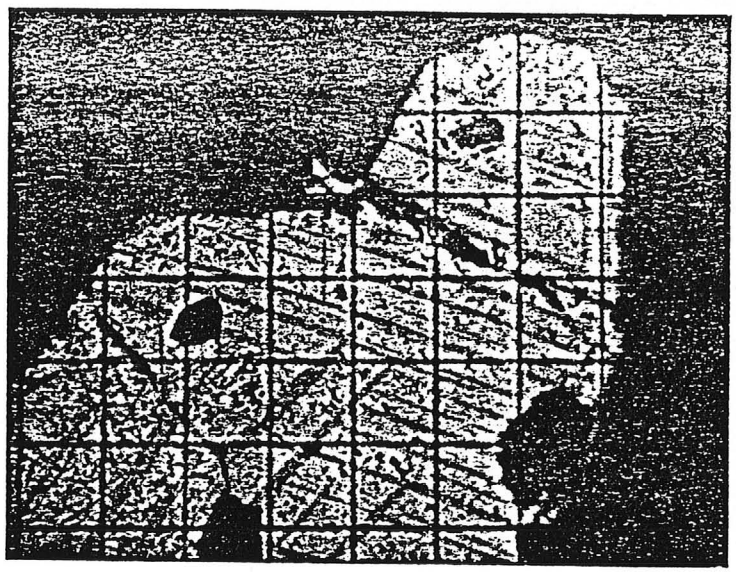


P.S. 8227AQ (Heavies). Polished section photomicrograph of chalcopyrite with quartz gangue and accompanying fragment of goethite. Plain light, X200. Each square of grid is 32 microns on an edge.

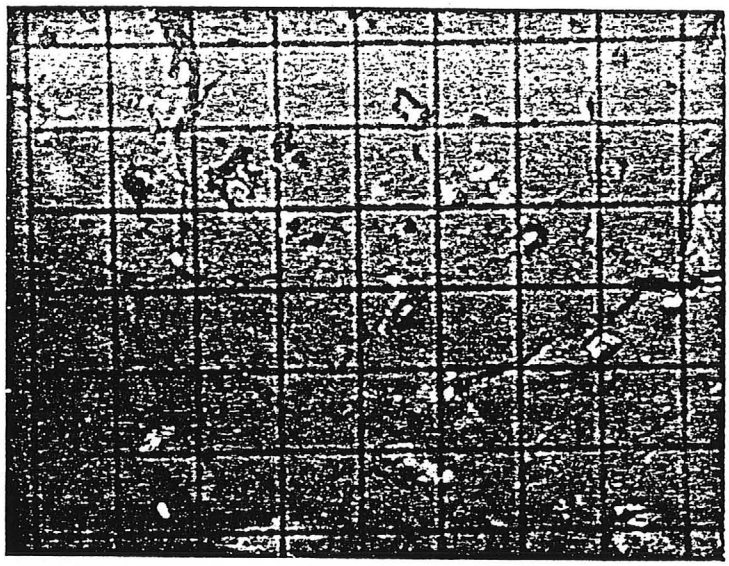
P.S. 8227A9 (Heavies). Polished section photomicrograph showing fine to extremely fine grained native gold forming composite with and in part encapsulated by quartz gangue. Plain light, X200. Each square of grid is 32 microns on an edge.



P.S. 8227AQ (Heavies). Polished section photomicrograph showing liberated particles of native gold (Au) and goethite (goe). Plain light, X200. Each square of grid is 32 microns on an edge.



P.S. 8227A9 (Heavies). Polished section photomicrograph of hematite (hm) matrix enclosing lath-shaped grains of magnetite (mt). Plain light, X200. Each square of grid is 32 microns on an edge.



P.S. 8227AQ (Heavies). Polished section photomicrograph of native gold (Au) locked in quartz gangue. Plain light, X200. Each square of grid is 32 microns on an edge.

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