VOLUME 2

APPENDIX III	GRAB SAMPLE LOCATIONS, DESCRIPTIONS AND ASSAYS
APPENDIX IV	TRENCH SAMPLE LOCATIONS AND ASSAYS
APPENDIX V	PETROGRAPHIC DESCRIPTIONS
APPENDIX VI	GEOCHEMISTRY
APPENDIX VII	1:200 FIELD TRENCH MAPS

APPENDIX III

GRAB SAMPLE LOCATIONS, DESCRIPTIONS AND ASSAYS

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE		GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4806	0+45E	4+50N	TOUGHNUT	GRAB	RUSTY & VUGGY MASSIVE QUARTZ, MILKY WHITE TO GRAY; PALE GREY POROUS PYRITE CUBES UP TO 1mm.	280	58	1969	321
4807	0+45E	4+50N	TOUGHNUT	GRAB	V. RUSTY TO DK. GRAY, MASSIVE TO LAMINATED,CARB. ALT'D VOLCANIC ,WEATHERED YELLOW-ORNAGE TO BROWN, , 3% Py CUBES (<4mm).	1110	99999	160	105
4808	0+50E	2+75S	TOUGHNUT	GRAB	CUMBERLAND SHAFT WASTE DUMP; Qtz VEIN WITH TETRAHEDRITE, MALACHITE, ILMENITE IN AUGITE PORPHYRY VOLCANIC.	980	1777	524	1284
4809	2+00E	1+50N	TOUGHNUT	GRAB	HIGHLY SERICITIC F. GRAINED VOLC. OR INTRUSIVE, LOCALLY V. RUSTY & SHEARED; GN,PY,CPY?,+/-SPH DISS & IN VEINLETS.	126	1075	6578	8653
4810	0+95E	2+46S	TOUGHNUT	GRAB	V. RUSTY SERICITIC QFP OR F. GR. VOLC. TUFF WITH QTZ VEINLETS ; GN,SPH,PY.	18	198	35	83
4811	0+75E	0+88S	TOUGHNUT	GRAB	DUMP: QTZ VEIN WITH CPY, PY MAL,GN,SPH IN CARB ALT'D VOLC.	1090	2328	16425	22944
4812	0+70E	1+20N	TOUGHNUT	GRAB	PIT#15: CARB-SER ALT'D VOLC; 1-2% PY.	230	232	186	353
4813	0+25W	2+75N	TOUGHNUT	GRAB	ST#14: DK. BRICK RED (LIM/HEM ALT'D), F.GR. VOLC., CARB-SER ALT'; TR CPY PY.	50	188	159	288
4814	0+65E	4+15N	TOUGHNUT	GRAB	PIT;ST#11: BULL WT. QTZ, FOL. & RUSTY FRACT., TR PY,GN,MAL, Mn STAINS.	48	6925	119	911
4815	1+00E	4+70N	TOUGHNUT	GRAB	DUMP(PIT): SILICIFIED VOLC?, HIGHLY FeCARB-SER ALT'D; Mn STAINS, PY MAL.	29	453	13	91
4816	0+00	1+25S	TOUGHNUT	1.5 m	GREEN SERICITIC, CARB ALT'D VOLC. CALCITE BLEBS.	4	117	12	135
4817	0+00	1+00S	TOUGHNUT	GRAB	PIT: BROWN, FeCARB-SER ALT'D F.GR VOLC, TR PY.	5	38	26	510
4818	0+00	1+00S	TOUGHNUT	GRAB	PIT: QTZ VEIN WITH CARBONATE, V. DK. BROWN-RED WEATHERING, Mn STAINING, GN,	67	21	2510	14641
4819	1+00E	2+15N	TOUGHNUT	GRAB	CARB-SER-FeCARB ALT'D VOLC SCHIST	31	13	55	338

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
				;(1% PY,GN,SPH.				
4820	1+10E	4+60N	TOUGHNUT	GRAB FeCARB-SER ALT'D VOLC, CALCITE BLEBS	40	155	25	168
4821	2+00E	4+62N	TOUGHNUT	GRAB V SCHISTOSE, SER-CARB ALT'D VOLC. BLOOD RED COLOUR.	107	174	13	111
4822	2+45E	4+82N	TOUGHNUT	GRAB ST#20: V. SCHISTOSE, MED GREY-GREEN VOLC., MOD. CARB-SER ALT'D; TR PY SLIGHTLY MAGNETIC.	39	206	23	67
4823	1+90E	3+15N	TOUGHNUT	GRAB DK. GREY HIGHLY CARB ALT'D VOLC., HORNFELS?; 2-3% PY, TR CPY, VERY MAGNETIC.	8	17	23	307
4824	1+90E	3+15N	TOUGHNUT	GRAB ST.#22: SAME AS 4823, SHEARED?.	3	6	7	176
4825	3+95E	3+35N	TOUGHNUT	GRAB ST.#23: F. GR. VOLC, MINOR CARB, V. SERICITIC; 4% PY.	5	261	20	128
4826	3+50E	5+00N	TOUGHNUT	GRAB M. GREY, SER ALT'D VOLC SCHIST, QTZ VEINS; TR PY, NON-MAGNETIC.	12	107	8	84
4827	3+50E	4+50N	TOUGHNUT	GRAB FeCARB-SER ALT'D VOLC SCHIST, TR PY VERY MAGNETIC.	12	166	5	68
4828	3+50E	5+55N	TOUGHNUT	GRAB PIT#16: SER-CARB ALT'D FSP PORPH; 2% PY, MOD MAGNETIC.	11	57	7	76
4829	3+00E	5+00N	TOUGHNUT	GRAB V WEATHERED, SER-CARB-FSP ALT'D VOLC BLOOD RED COLOUR, HIGHLY MAGNETIC.	4	15	13	124
4830	3+00E	4+15N	TOUGHNUT	GRAB V. WEATHERED, STR. CARB-SER ALT'D VOLC SLIGHTLY MAGNETIC.	14	368	18	72
4831	0+05E	2+65N	TOUGHNUT	GRAB FeCARB-CHL ALT'D FSP PORPHYRY RUSTY WEATHERING, MOD. MAGNETIC.	19	655	12	106
4832	0+01W	2+95N	TOUGHNUT	GRAB BRICK-RED, CHL-SER FSP PORPH., QTZ EYES, TR PY, MOD MAGNETISM.	5	24	49	138
4833	0+02W	3+28N	TOUGHNUT	GRAB RUSTY-BROWN WEATHERED, V.F.GR. VOLC. TUFF, MOD MAGNETIC.	24	246	10	94

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE		GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4834	0+10E	4+50N	TOUGHNUT	GRAB	OLD TRENCH: EXTREMELY RUSTY VOLC, DISS PY.	96	79	14	146
4835	0+15E	5+10N	TOUGHNUT	GRAB	RUSTY WEATHERED, SCHISTOSE, CALCITE VEINLET, SLT. MAGNETIC, CHLORTIC, SERICITIC, QTZ EYES.	19	149	10	117
4836	0+25E	5+25N	TOUGHNUT	GRAB	VERY SCHISTOSE, V RUSTY WEATHERED VOLC; QTZ EYES +/- VEINS.	58	212	6	138
5001	1+00E	4+60N	TOUGHNUT	GRAB	SMALL PIT: Fe CARB-SERICITE ALTERATION BRECCIATED VOLCANIC.	90	71	76	26
5002	3+90E	5+00N	TOUGHNUT	GRAB	Fe CARB. ALT'D SHEARED VOLCANICS SERICTIC-PYRITIC (<1%).	8	166	18	149
5003	3+50E	5+10N	TOUGHNUT	GRAB	CHORITIZED, HIGHLY SCHISTOSE VOLCANICS MINOR SERICITE, TRACE PYRITE.	29	154	85	72
5004	2+10E	4+75N	TOUGHNUT	GRAB	HIGHLY SCHISTOSE, Fe CARB-SERICTE ALT'D VOL. TRACE DISS. PYRITE.	240	169	33	76
5005	2+00E	4+75N	TOUGHNUT	GRAB	EXTR. FRIABLE, Fe CARB-RICH (35%) SERICTE SCHIST, <1% PYRITE.	66	1108	150	148
5006	1+75E	4+75N	TOUGHNUT	GRAB	SERICTIC-Fe CARBONATE ALT'D SCHIST; 3% DISS. PYRITE.	5580	280	6	51
5007	1+50E	4+75N	TOUGHNUT	GRAB	Fe CARB-SER-Qtz-Py SCHIST. Qtz AS LENSES IN SCHIST.	70	811	54	97
5008	0+00E	5+00N	TOUGHNUT	GRAB	Fe CARB-SER+/-Qtz SCHIST WITH UP TO 3% DISS. PYRITE.	126	142	48	172
5009	1+00E	4+95N	TOUGHNUT	GRAB	HIGHLY SERICITIC, SLIGHTLY MORE CARB ALT'D SCHIST WITH 2% PYRITE.	27	254	21	87
5010	0+05E	1+55N	TOUGHNUT	GRAB	PIT #8. HIGHLY ALT'D & BLEACHED SER-Qtz-Fe CARB SCHIST WITH 3% Py.	149	247	1208	2573
5011	0+05E	1+45N	TOUGHNUT	GRAB	PIT #8. ABNDT Py (20%) IN Fe-CARB SCHIST; GN.	340	142	15525	3396
5012	0+05E	1+45N	TOUGHNUT	GRAB	PIT #9 EXTR. LIMON-SER FOLIATED	860	380	2005	798

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
				VOLCANIC WITH TRACE Py ((2%).				
5013	5+75E	0+05N	TOUGHNUT	GRAB Zn TRENCH, HIGHLY FOLIATED SER. SCHIST: %5 DISS. SULF. (2% SPH & GAL, 3% Py) ALONG FOLIATIONS.	68	291	70	30178
5014	1+98W	1+37N	TOUGHNUT	GRAB CHLORITIZED AUGITE PORPHYRY FLOW, TRACE DISS. Py.	31	242	10	108
5015	3+20W	0+04S	TOUGHNUT	GRAB Fe CARB-SER ALT'D QFP; TRACE Py	94	40	21	33
5016	3+80W	1+25S	TOUGHNUT	GRAB SER-BIO(?) ALT'D VOLCANICS WITH UP TO 4% DISS. PYRITE.	390	86	217	774
5017	3+80W	1+25S	TOUGHNUT	GRAB SAME AS 5016	560	66	1485	2613
5018	3+80W	1+25S	TOUGHNUT	GRAB SILICEOUS, SERICITIC TUFF (?) WITH CONTORTED "LAMINAE" OF SPH AND PY (COLLIFORM TEXTURE) 2.5% SPH, 2% PY.	61	39	427	12528
5019	3+80W	1+25S	TOUGHNUT	GRAB SAME AS 5018	280	17	8247	38797
5020	3+80W	1+25S	TOUGHNUT	GRAB SAME AS 5018	127	23	415	2903
5400	0+45E	4+50N	TOUGHNUT	GRAB PIT #6: FINELY LAMINATED, F. GR. VOLC(?) WITH STRATIFORM DISS Py (2-3%):	91	348	29	52
5401	0+33W	1+55N	TOUGHNUT	GRAB MASSIVE WHITE Qtz VEIN , RUSTY FRACT. SURFACE; RARE PY, SER. ALONG FRACT.	6	6	8	108
5402	0+33W	1+55N	TOUGHNUT	GRAB GREEN-GREY SERICITIZED VOLC. 3% CaCO3 ALONG FRACTURES; 3-5% DISS PY.	350	177	97	1644
5437	5+37W	0+45S	TOUGHNUT	GRAB DUMP: Fe CARB ALT'D C. GRAINED QFP; 10% DISS. PY, TR. DISS. CPY, 2% GN, (1% SPH.	32800	212	11459	46475
5438	5+37W	0+45S	TOUGHNUT	GRAB DUMP: BULL WHITE QTZ VEIN WITH 10-15% MASSIVE GN AS FRACTURE FILLINGS, (1% FRACTURE CONTROLLED PY.	2630	580	26917	32749
5439	5+50E	0+10N	TOUGHNUT	60 cm STRONGLY OXIDIZED & FOLIATED VOLC(?) PERVASIVE CARBONATIZATION;1% DISS. PY.	11	205	18	3473

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5440	5+50E	0+10N	TOUGHNUT	FLOAT :LT. GREEN-BEIGE, F. GRAINED, FOLIATED, SER-Fe CARB ALT'D VOLC.; 1% SPH, 3-5% DISS. EUHEDRAL PY, MINOR CAL SWEATS.	58	90	232	43375
5441	2+85W	B.L.	TOUGHNUT	1 m :STRONGLY FOL./SHEARED CHLORITIC VOLC. ,1% PY, 5-7% CaCO3 SWEATS.	18	9	9	416
5442	2+85W	B.L.	TOUGHNUT	GRAB :NARROW CaCO3-FeCO3 VEIN CUTTING VOLC. 2-3% DISS. PY, TR. SPH.	81	18	14	231
5443	2+85W	B.L.	TOUGHNUT	1 m :HIGHLY SHEARED VOLC. SERICITE(?), MINOR CALCITE, TR. DISS. PY.	109	18	13	219
5444	2+85W	B.L.	TOUGHNUT	1 m :SAME AS 5443	64	18	14	191
5445	6+00W	1+68S	TOUGHNUT	FLOAT :FOLIATED ANDESITE, 3-5% PY,.	22	66	13	100
5446	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	29	242	29	1671
5447	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	18	361	8	962
5448	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	31	250	9	702
5449	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	35	114	11	286
5450	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	30	68	268	3179
5451	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	62	116	1003	14488
5452	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	168	108	663	9868
5453	6+55W	0+50S	TOUGHNUT	1 m :TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	155	516	386	11451
5454	6+55W	0+50S	TOUGHNUT	1.3 m:TOUGHNUT ADIT: HYDROTHERMAL VEIN SYS.	58	111	805	3798
5455	6+55W	0+50S	TOUGHNUT	1.1 m:MOUTH OF ADIT: QTZ VEIN STOCKWORK IN Fe CARB ALT'D VOLC.; 3-5% SPH, (1% GN, 1-2% PY, TR, CPY.	310	252	12467	16980
5456	6+55W	0+50S	TOUGHNUT	0.8 m:MOUTH OF ADIT: SAME AS 5455 EXCEPT VOLC. SHOWS LT. YELLOW-CREAM COLOUR; DOLOMITIZATION.	200	142	3084	11252
5457	6+55W	0+50S	TOUGHNUT	PANEL :TOUGHNUT ADIT(NEAR MH 86-035): QTZ	460	2289	13417	31340

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
			(500 CM2)	VEIN STKWRK, STRONGLY ALT'D BRECCIA FRAGS; 3%SPH, (1% GN, TR. CPY, 3-4% PY.				
5458	6+55W	0+50S	TOUGHNUT	GRAB	TOUGHNUT ADIT(DUMP): SUGAR TEXTURE SILICEOUS MATERIAL; 10-20% PY, 1-2% SPH, TR. GN.	490	594	9350	38026
5459	6+55W	0+50S	TOUGHNUT	GRAB	TOUGHNUT ADIT(DUMP): QTZ VEIN MATERIAL; 5-7% SPH, 7-10% PY, 1-2% GN.	1470	2876	26252	59330
5460	6+05W	0+50S	TOUGHNUT	.15 CM	LT. GREY-GREEN VOLC. SURROUNDED BY HIGHLY ALTERED STKWRK, FeCO3 ALT'D, 5-10% PY, TR. CPY.	41	496	100	701
5461	6+47W	0+50S	TOUGHNUT	GRAB	QTZ VEIN MATERIAL, 10% MASSIVE GN, 3-7% MASSIVE PY.	8650	1016	23925	15136
5462	6+00W	7+25N	TOUGHNUT	GRAB	COMPLETELY SERICITIZED, STR. FOLIATED VOLC..	28	47	173	191
5463	6+10W	7+30N	TOUGHNUT	GRAB	SAME AS 5462	24	138	261	397
5464	6+10W	7+30N	TOUGHNUT	GRAB	SAME AS 5462	13	130	72	131
5465	1+00W	3+50W	TOUGHNUT	GRAB	DK. GREEN CARB ALT'D VOLC., (1% PY, 1-2% CALCITE.	9	357	528	346
5466	1+00W	4+75N	TOUGHNUT	GRAB	V. SCHISTOSE, SERICITIC VOLC.	4	22	21	56
5467	1+00W	5+07N	TOUGHNUT	GRAB	FOLIATED QFP, STRONG CaCO3 (+/-FeCO3) ALT'D; TR. DISS. PY.	33	10	18	61
5468	1+00W	5+60N	TOUGHNUT	GRAB	WELL-FOLIATED CARBONATIZED VOLC., 3% CaCO3, 10% FeCO3; (1% PY.	62	238	11	79
5469	1+05W	6+20N	TOUGHNUT	GRAB	WELL-FOLIATED CARBONATIZED VOLC., 5-10% CaCO3, 3-5% FeCO3; (2% PY.	32	29	29	95
5470	5+40W	0+45S	TOUGHNUT	GRAB	TOUGHNUT SHAFT: SAME AS 5437	6640	185	1935	12743
5471	MH-86-060		TOUGHNUT	GRAB	Fe-CARB ALT'D VOLC., 7-8% CaCO3, 5-10% FeCO3; 5-7% PY.	169	52	22	57

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5472	MH-86-063	TOUGHNUT	3 m	STRONGLY FOLIATED, SER, WEAKLY CARB. VOLC; 5% PY, TR. CPY.	360	168	35	779
5473	MH-86-063	TOUGHNUT	GRAB	LT. GREEN/GREY QTZ-SERICITE SCHIST; 10% PY, 2-3% NARROW QTZ VEINLETS (2-3 mm).	600	28	12	28
4967	1+00E 1+24N	TOUGHNUT	GRAB	TRENCH 1+00E: WEATHERED QTZ VEIN IN RUSTY RED MATRIX, DOLOMITE ALT'D.	146	90	72	812
4968	1+00E 1+28N	TOUGHNUT	GRAB	TRENCH 1+00E: DOLOMITE, SERICITE, FSP?, QTZ-VEIN; TR GN,PY,CPY?.	73	37	2915	5966
4969	0+75E 1+15S	TOUGHNUT	1 m	STRONGLY CARB. ALT'D QFP.	7	79	13	220
4970	0+75E 1+15S	TOUGHNUT	1 m	SAME AS 4969	2	42	13	469
4971	0+75E 1+15S	TOUGHNUT	1 m	SAME AS 4969	8	127	17	96
4972	0+75E 1+15S	TOUGHNUT	GRAB	QTZ VEIN IN CARB ALT'D VOLC, 4% GN, 2% SPH, 1% PY, 1% CPY.	1210	636	7148	3640
4973	0+53N 1+90N	TOUGHNUT	FLOAT	HIGHLY CARB. ALT'D QFP, CHLORITIZED, SERICITIZED; 3% PY, 1-2% CPY.	86	328	84	1210
4974	0+40W 2+15N	TOUGHNUT	GRAB	KNOB TRENCH: FELSIC DYKE, MOD Mn STAIN: 2% PY BLEBS & VEINLETS.	740	378	17	78
4975	2+86E 2+50S	TOUGHNUT	GRAB	HIGH GRADE: RED-BRN LAYERED (CONTORTED: CARB ALT'D VOLC.; 1% PY, 1-2% SPH, TR. GN.	131	27	745	1651
4976	2+86E 2+50S	TOUGHNUT	GRAB	WHITE QTZ, LIMONITE-LINED VUGS.	5	11	172	281
4977	2+86E 2+50S	TOUGHNUT	GRAB	HOST TO 4975 & 4976: SILICEOUS, GRANULAR HORNFELSED VOLC (?).	70	14	543	1116
4978	2+00E 1+30S	TOUGHNUT	GRAB	DUMP: HIGHLY CARB ALT'D , SILICIFIED, BRECCIATED VOLC., 2-3% PY, TR SPH, GN.	360	196	413	889
4979	2+02E 0+05S	TOUGHNUT	FLOAT	SULF-RICH, HORNFELSED OR CARBONATIZED VOLC.; 3-4% PY, 2-3% SPH, 1% GN.	76	359	16	20364

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4980	8+75E B.L.	TOUGHNUT	GRAB	ST. #S43 SER ALT'D VOLC SCHIST WITH QTZ VEINLETS.	50	261	942	25271
3744	ALMA N	SHAFT	GRAB	RUBBLE;SHEARED VOLCANIC, QTZ AUGEN; ,(10% Py.	55000	60	386	258
3745	ALMA N	SHAFT	GRAB	RUBBLE: Fe CARB ALT'D VOLC. MINOR QTZ STKWRK; (1% SULFIDE.	280	135	38	95
3746	OLD	TRENCH?	GRAB	PSEUDO-DIORITE, Fe CARB; TR PY.	270	83	8	95
3747	OLD	TRENCH?	GRAB	PSEUDO-DIORITE, Fe CARB; TR PY,CPY,MAL	34	14011	5	108
3748	STAR	SHAFT	GRAB	HIGHLY SHEARED VOLCANICS, SERICITE , Fe CARB ALT'D; TR PY.	760	623	145	85
3749	STAR	SHAFT#2	GRAB	SHAFT DUMP: PSEUDO-DIORITE; TR PY, ABND LIMONITE.	1670	948	941	283
3750	STAR	SHAFT#2	GRAB	SHAFT DUMP: SAME AS 3749.	1620	1451	630	124
3751	EUREKA	ADIT	FLOAT	HIGH GRADE FLOAT: CPY/MAL	9000	22631	13	33
3752	EUREKA	ADIT	FLOAT	HIGH GRADE FLOAT; MARBLIZED LST WITH DISS CPY (1.5%), FRACT. CONTROLLED.	960	10949	221	44
3753	EURKA	DUMP	FLOAT	DUMP: PSEUDO-DIORITE, UNALTERED, ABND BIOTITE-QTZ?; (1% PY,CPY.	142	2719	9	270
3754	EUREKA		FLOAT	FOLIATED, FRESH PSEUDO-DIORITE, ABND BIOTITE; 1% PY, TR CPY.	270	113	9	100
3755	GRANITE	POORMAN	GRAB	VEIN MATERIAL, SULFIDES (2%; PY,CPY.	13910	248	66	39
3756	GRANITE	POORMAN	GRAB	PSEUDO-DIORITE, ABND BOITITE; TR PY.	2210	109	9	87
3757	ACRE SHOWING	STAR	GRAB	TR CPY IN DIORITE.	740	5958	14	25
4981	EUREKA	TUNNEL	GRAB	DUMP: CHLORITIZED DIORITE,	340	3107	357	1292

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE		GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
					MALACHITE, AZUIRTE, CHYSOCOLLA; (3% PY:, TR. 1% CPY, HEMATITE.				
4982	EUREKA	TUNNEL	STAR	GRAB	DUMP: SERICITIC, OXD, MED. GR. FELSIC DYKE (?); STRONG MALACHITE, AZURITE STAIN.	380	7496	6486	1777
4983	EUREKA	TUNNEL	STAR	GRAB	DUMP: MED. GR. BLEACHED, CHLORITIC INTRUSIVE, 5-30% PY, 1% SPH, 2% GN, 1% CPY, HEMATITE, MOLY, TALC ON SHEAR/FRACT. SURFACES.	4820	7836	19781	26191
4984	EUREKA	LOWER	STAR	GRAB	LOWER WRK: CHLORITIZED, CARBONATIZED, DIORITE; TR PY?.	5	105	68	165
4985	EUREKA	LOWER	STAR	GRAB	LOWER WRK:Fsp-QTZ-SER-CHL-EPIDOTE ALT'D MED. GR. LEUCOCRATIC INTRUSIVE, ANK & TOURMALINE CLOTS.	60	517	73	125
4986	EUREKA	LOWER	STAR	GRAB	LOWER WRK:QTZ VEIN; MALACHITE/AZURITE STAIN, HEM, MGT, 2-3% PY, 1% CPY.	93	5823	3569	2640
4987	EUREKA	LOWER	STAR	GRAB	LOWER WRK: CHL-CARB ALT'D SHEARED DIORITE, XCUT BY QTZ VEINLETS; 1-3% PY:, MALACHITE STAIN.	87	1482	92	275
4988	EUREKA	LOWER	STAR	GRAB	LOWER WRK: MELANOCRATIC, PORPHYRITIC, HIGHLY CO2 ALT'D, LAMP. DYKE.	13	82	6	64
4989	EUREKA	LOWER	STAR	GRAB	LOWER WRK:MAFIC DIORITE, CHL, BIO, EPI:FSP, HRNBLD, Cu STAINS.	40	379	6	116
4990	AMLA N	SHAFT	STAR	GRAB	ALMA N DUMP: ALT'D/BLEACHED FELSIC INTRUSIVE; Mn STAINED, PY RICH QTZ VEIN, TOURMALINE.	149	87	15	21
4991	6+75W	10+80N	STAR	GRAB	EUREKA UPPER WRK: SER-CHL ALT'D MONZ; MAL STAIN, TR PY, HEMATITE.	3220	1142	7	37
4992	3+25W	8+25N	STAR	GRAB	RUSTY (OXD), BLEACHED DIORITE.	3290	3425	7060	197
4993	1+23W	8+50N	STAR	GRAB	BLEACHED, RUSTY, LEUCOCRATIC INTR. (DIORITE), FSP-CHL-SER-BIO?-KSP?-MGNT:; TR PY.	16	110	26	103

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE		GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS			
						Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4994	L8W OLD	4+75N	STAR	GRAB	RUSTY QTZ . (OLD TRENCHFILL).	4110	419	993	73
4995	0+30W	9+00N	STAR	GRAB	CHYSOCOLLA-RICH QTZ VEIN, FLOAT ON ROAD, MALACHITE, TR PY.	570	9298	2	75
4996	1+90W	6+77N	STAR	GRAB	BLEACHED, SILICIFIED, DIORITE.	27	115	14	111
4997	1+90W	6+77N	STAR	GRAB	WHITE QTZ FLOAT.	45	47	16	24
4998	1+90W	6+77N	STAR	GRAB	GREEN CHLORITIZED DIORITE / HORNFELSED VOLC. (?); 1-2% HEMATITE, MOD. EPI.	45	47	16	24
4999	0+25E	6+40N	STAR	GRAB	YELLOW, BLEACHED, DIORITE?, SERICITE ALT'D; "SINTERY" APPEARENCE.	520	345	61	8
5000	B.L.	6+60N	STAR	GRAB	HLY WEATHERED TO ORANGE-BROWN, MED. GRAINED DIORITE? DYKE, QTZ-FSP-MUSC ALT'D; 1% HEM, TR. MN.	4	124	49	87
5105	0+74E	4+05N	STAR	GRAB	CHL-SER-MUSC ALT'D F. GN. LEUCOCRATIC INTRUSIVE (BLEACHED YELLOW ORANGE).	23	1873	3	38
5106	B.L.	0+75N	STAR	GRAB	ALMA N SHAFT: WEATHERED, DK. BRN-GREY, CHL-SER ALT'D DIORITE; TR CPY, Mn STAIN.	1910	423	2	128
5116	0+10E	5+40N	STAR	COMP. GRAB 25 m	SERICITE AND POTASSICALLY ALT'D F. GR. INTRUSIVE, YELLOW-ORANGE WEATHERING; 3% PY, TR CPY.	220	1754	8	17
5117	0+10E	5+40N	STAR	COMP. GRAB 25 m	SERICITE AND POTASSICALLY ALT'D; F. GR. INTRUSIVE, YELLOW-ORANGE WEATHERING; 3% PY, TR CPY, MALACHITE.	97	1510	16	23
5490	1+80E	0+70N	STAR	GRAB	2-3% DISS. SPH, 5% DISS. PY, TR GN.	76	44	3483	13940
5491	1+80E	0+70N	STAR	90 cm	SAME AS 5491	22	56	2019	4579
5543	0+60W	3+30S	STAR	10 cm	QTZ VEIN, RUSTY FRACT.; (1% CPY, CHL FRACTURE FILLINGS.	11	751	3	23
5544	2+00W	5+35N	STAR	GRAB	ALT'D VOLC, ELONGATED CHERTY-LOOKING	36	425	4	67

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
				K-ALT'D PATCHES; 5-6% PY.				
5545	3+00W	6+85N	STAR	GRAB BLEACHED, CARBONATIZED VOLC, WITH Fe-CARB STKWRK (10-15%); (1% PY, 3% CALCITE.	24	135	4	74
5546	2+95W	3+15N	STAR	GRAB SUGAR TEXT.VOLC, 5-7% PY,LOCALLY VUGGY	220	549	7	33
5547	2+02W	0+90N	STAR	GRAB EXTREMELY SHEARED VOLC(QFP?), MINOR QTZ VEINLETS, 2-5% DISS. PY.	1300	119	66	28
5548	2+02W	3+08N	STAR	GRAB STR. FOL. VOLC.; TR PY.	53	33	5	131
5549	1+70W	0+05S	STAR	GRAB BLEACHED, SERICITIC, FOLIATED, VOLC (1% APPLE-GREEN FUCHSITE BLEBS, (1% CALCITE, (1% PY.	580	74	613	62
5550	1+75W	0+15S	STAR	1 m STR FOL CARB-CHL ALT'D VOLC., TR MAL, 1-2% DISS. PY.	26	43	25	446
5551	1+75W	0+14S	STAR	1 m SAME AS 5550	30	113	9	162
5552	1+75W	0+13S	STAR	1 m SAME AS 5550	115	63	21	149
5553	1+85W	1+28S	STAR	GRAB DUMP: STR FOL Fe-CARB ALT'D VOLC, HOST FOR QTZ VEIN STKWRK, 1-2% GN, TR. SPH, TR CPY, TR TET.	290	360	10885	40353
5554	1+85W	1+28S	STAR	GRAB DUMP: SIMILAR TO 5553 EXCEPT 5-7% GN, 1% PALE GREEN SPH, (1% PY. TR CPY, TET?.	290	495	19563	76316
5555	1+40S	2+28W	STAR	GRAB DUMP: QTZ VEIN & BRECCIATED ORANGE-COLOURED DOLO. MAT?, 2-3% GN, 1% SPH, (1% PY.	151	67	7017	25232
5556	1+40S	2+28W	STAR	GRAB DUMP: FRACTURED DOLOMITIZED VOLC., 5% GN, 5% SPH, (1% PY.	660	66	10151	30522
5557	1+00W	1+25S	STAR	GRAB DUMP: QTZ VEIN WITH DOLOMITE ALT'D WALL ROCK; 2% GN, 1% SPH, TR PY.	47	43	2971	26855
5558	6+00S	10+25E	STAR	1 m Fe-CARB ALT'D VOLC, 10% Fe-CARB STKWRK	113	113	33	194

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
				;5-7% DISS. PY.				
5559	6+00S : 10+25E	STAR	1 m	HIGHLY WEATHERED ROCK; NO VIS. SULFIDE	80	134	1241	3341
5560	6+00S : 10+25E	STAR	1 m	HIGHLY WEATHERED ROCK; NO VIS. SULFIDE	91	117	1855	4139
5561	6+00S : 10+62E	STAR	0.5 m	GREY FN. GR. VOLC., 5-6% PERVASIVE CALCITE, 2% Fe-CARB STKWRK; 4-6% PY.	50	115	488	3457
5562	6+00S : 11+18E	STAR	.65 m	LT. BROWN, STR FOL Fe-CARB ALT'D SCHIST; 4% DISS. PY, 2-3% FeCARB.	88	140	24	2344
5563	6+00S : 11+35E	STAR	1 m	EXTREMELY FOLIATED, OXIDIZED VOLC.	41	140	16	84
5564	6+00S : 11+35E	STAR	0.5 m	EXTREMELY FOLIATED, LT BROWN VOLC. ; 1-2% PY, 5-7% CAL ALONG FOLIATIONS	16	32	18	63
5565	6+00S : 11+35E	STAR	1 m	SAME AS 5564	18	20	12	83
5566	6+00S : 11+35E	STAR	1 m	SAME AS 5564	21	159	20	102
5567	6+00S : 11+07E	STAR	FLOAT	V. FN. GR. LT. GREY SCHIST, TALC ALONG FOLIATION PLANES, 4-5% PY, 1-3% CAL.	100	56	511	1787
5568	6+40S : 11+00E	STAR	GRAB	STR BLEACHED, WELL-FOLIATED, PYRITIC VOLC, MINOR QTZ VEINING, 5-7% DISS. PY.	790	147	24	209
5569	6+40S : 11+00E	STAR	GRAB	SAME AS 5568 EXCEPT TR CPY	11440	1084	233	1881
5570	6+40S : 11+00E	STAR	GRAB	SAME AS 5569	142	23	61	446
5571	6+60S : 11+20E	STAR	GRAB	BLEACHED #5570;2-3% Fe-CARB.	210	88	9	89
5572	6+60S : 11+20E	STAR	GRAB	DUMP: V. SILICIFIED VOLC; (15% PY 2% VUGS.	1590	30	16	24
5573	6+40S : 10+63E	STAR	GRAB	DK. GREEN CARB-CHL SCHIST; 5-7% PY 5% PERVASIVE CALCITE.	145	73	11	165
5574	EUREKA:UPPER	STAR	GRAB	UPPER WRK: QTZ-CARB MAT WITH SUGARY TEXTURE MARBLE/CALCITE; 2% AZURITE, 1% MAL, 1% CPY, 3% PY.	700	6737	983	867

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE		GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS			
						Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5575	EUREKA	UPPER	STAR	GRAB	UPPER WRK: SIMILAR CARB MAT IN 5574; (1% PY, 1-2% CPY, +/- MAL,AZURITE	220	3411	76	225
5576	EUREKA	UPPER	STAR	GRAB	UPPER WRK: SAME AS 5574; 1% CPY, 3% PY	950	5302	314	351
5577	EUREKA	UPPER	STAR	GRAB	UPPER WRK: SAME AS 5574.	530	4024	47	325
5578	EUREKA	UPPER	STAR	GRAB	UPPER WRK: MASSIVE PY(BANDED), +/-SPH,HEM.	1830	8150	10296	14001
5579	9+05N	5+60W	STAR	GRAB	MONZONITE; 3-5% MAL STAINING, 2-3% MT, (1% CPY.	350	2137	19	63
5580	EUREKA	LOWER	STAR	GRAB	DUMP: RECRYSTALIZED WITH 1% PY, 2% MAL, 3% PY.	91	3036	26	53
5581	EUREKA	LOWER	STAR	GRAB	DUMP:QTZ-CARB ALT'D; (2% BORNITE ,(1% CPY, 1%PY.	320	36936	14233	3684
5582	EUREKA	LOWER	STAR	GRAB	DUMP: BLEACHED SERICITIZED DIORITE; , 2% CPY, 3-5% PY, 7-10% SPEC. HEM	3070	1953	104	58
5583	EUREKA	LOWER	STAR	GRAB	DUMP: QTZ-CARB-FeCARB ALT'D VOLC; 2-3% CPY.	560	13259	64	125
5584	ALMA N	SHAFT	STAR	GRAB	DUMP: V. BLEACHED, SUCROSIC, SILICEOUS, WITH TOURMALINE; TR. PY.	930	198	111	19
5585	ALMA N	SHAFT	STAR	GRAB	DUMP: SIMILAR TO 5584 BUT LESS TOURMALINE((1%); VUGGY PYRITE(2-3%)	1570	81	45	14
5586	ALMA N	SHAFT	STAR	GRAB	DUMP: V. SILICEOUS, LT. GREY RK; 2-3% PY, 3% MALACHITE STAINING.	660	944	206	353
5587	ALMA N	SHAFT	STAR	GRAB	DUMP:STRONGLY CARB ALT'D DIORITE; 2-3% CAL, (1%PY, (1%CPY.	114	176	28	89
5588	EUREKA	LOWER	STAR	GRAB	MOUTH OF PORTAL: ALT'D DIORITE, (1% PY: 1-2% MAL STAINING.	850	1120	8	47
5589	EUREKA	LOWER	STAR	GRAB	MOUTH OF PORTAL: SAME AS 5588	220	1167	9	55
5612	13+15N	5+70W	STAR	GRAB	DUMP: V. SILICEOUS DIORITE; 7-10% MALACHITE, 2% CPY, (1% PY.	980	11678	26	41

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE		GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5613	13+15N	5+70W	STAR	GRAB	DUMP: UNALTERED LEUCOCRATIC DYKE, DIORITE?.	10	243	9	54
5614	0+10E	10+05N	STAR	GRAB	OLD PIT: LT GREY DIORITE, 5-7% QTZ VEINLETS, Fe CARB VEINLETS; TR PY.	6	299	25	278
5615	11+00N	0+85W	STAR	GRAB	SHEARED DIORITE?; MALACHITE, TR CPY.	19	1275	8	72
5616	11+70N	8+40W	STAR	20 CM	SMALL SHEAR IN MONZONITIC INTRUSIVE, QTZ VEINING; 1% MALACHITE, TR CPY.	500	2155	102	327
5617	3+20W	8+37N	STAR	GRAB	Fe-OXIDE RICH, VUGGY QTZ VEIN STRONGLY SILICIFIED.	2700	4317	1494	148
5618	8+37N	3+20W	STAR	GRAB	MOD. OXIDIZED QTZ VEIN; <.5% PY, 1-2% MAL, 5-7% Fe-OXIDE.	390	1941	2277	44
8915	16+70N	25+06W	STAR	2.8 m	DK. MAFIC RICH MONZ. WITH 2-3% MT, TR CPY, <1% MAL.	70	469	4	61
8916	16+70N	25+06W	STAR	GRAB	MT VEIN MAT + MONZ. HOST; 10% MT, , (1% MT, 1% CPY, 2-3% MAL.	480	2077	8	58
8917	7+68N	16+50W	STAR	GRAB	MONZ. WITH 5-7% MT, 2% MAL STAINING, TR CPY.	5680	1396	6	80
8918	8+00N	17+75W	STAR	GRAB	BLEACHED MONZ.; 2-3% CaCO3 + Fe-CARB VEINLETS (2%), 3% MT, <1% CPY,PY.	133	254	3	68
10961	8+70N	3+08W	STAR	GRAB	PIT: STRONGLY OXD MED GR. INTRUS; TR MAL, NO VIS. SULFIDES.	56	5284	44	695
10962	8+64N	3+00W	STAR	GRAB	PIT: STRONGLY ALT'D MED GR. INTRUS; ,(5% QTZ,SER, TR MT,HEM.	38	475	4	44
10963	9+28N	3+55W	STAR	GRAB	MED GR. INTRUS., SER-KSPAR ALT'D; MAL STAIN, MINOR PY.	15	11312	2266	4510
10964	9+80N	0+60E	STAR	GRAB	ALTERED MONZ-DIORITE, SER-CaCO3 ALT'D; TR CPY.	10	150	17	155
10965	9+90N	0+60E	STAR	GRAB	SERICITE SCHIST, NO VIS. SULFIDES.	3	37	85	205

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE	GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
10966	10+10N: 3+50W	STAR	GRAB	PIT: STRONGLY OXD MAFIC RICH MONZ-DIOR: MINOR MAL, CPY	18	2664	9	141
10967	8+95N : 5+60W	STAR	GRAB	TRENCH:OXDIDIZED, SERICITIC MONZ.; TR SULFIDES.	210	587	53	202
10983	9+00N : 3+15W	STAR	GRAB	PIT: MONZ?, STRONG QTZ-SER-FECARB ALT : , 10% FE OXIDE, NO VIS. SULFIDES.	490	1240	2443	208
10984	9+00N : 3+15W	STAR	GRAB	VEIN IN PIT:HIGHLY SILICIFIED INTRUS; TR CPY, 1% MAL/AZ.	270	1491	853	30
10985	9+00N : 3+15W	STAR	GRAB	PIT WALL: STRONG QTZ-SER ALT'D VEIN	530	408	551	69
10986	ALHAMBRA SHAFT	STAR	GRAB	MAFIC RICH MONZ.; TR CPY, TR MAL.	114	1473	11	144
10987	ALHAMBRA SHAFT	STAR	GRAB	MAFIC RICH MONZ.; TR CPY, TR MAL.	770	4776	14	19
10988	ALHAMBRA SHAFT	STAR	GRAB	MAFIC RICH MONZ.; TR CPY, TR MAL.	99	3311	1427	3076
10989	ALHAMBRA SHAFT	STAR	GRAB	MAFIC RICH MONZ.; TR CPY, TR MAL.	640	5441	52	300
10990	ALHAMBRA SHAFT	STAR	GRAB	MAFIC RICH MONZ.; TR CPY, TR MAL.	520	4823	901	122
10991	ALHAMBRA SHAFT	STAR	GRAB	STRONGLY SILICEOUS INTRUS. + QTZ VEIN, 2% CPY, %2 MAL, 1% HEM, STR. Fe OXD.	1440	15703	4840	1733
10992	ALHAMBRA SHAFT	STAR	GRAB	CaCO3 WITH QTZ EYES; 1% MAL, 3% CPY.	650	7168	154	161
10993	ALHAMBRA SHAFT	STAR	GRAB	VUGGY SUGARY QTZ.	34	584	46	36
10994	8+85N : 0+85W	STAR	GRAB	CHL ALT'D INTRUS., STRONG Fe OXD.	6	209	17	161
10995	9+05N : 0+30W	STAR	2.5 m	DACITE DYKE; TR MAL.	19	520	7	51
10996	9+05N : 0+3-W	STAR	1.5 m	CHLORITE SCHIST (VOLC.?).	17	518	6	77
10997	9+00N : 0+75W	STAR	GRAB	CHLORITE ALT'D INTRUS., STRONG Fe OXD	15	467	6	119
10998	9+00N : 0+55W	STAR	4 m	SER ALT'D INTRUS. CONTACT WITH VOLC.	4	119	56	87
10999	9+00N : 0+55W	STAR	2 m	CHLORITE SCHIST.	2	469	91	230
11000	10+35N: 1+30W	STAR	GRAB	DIORITE-MONZ., 1% CPY ON FeCARB, VNLTS:	52	1079	40	141

APPENDIX 3
GREAT WESTERN STAR PROJECT
GRAB SAMPLES

SAMPLE NUMBER	GRID COORDINATE		GRID	TYPE	SAMPLE DESCRIPTION	ASSAYS			
						Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
11001	10+35N	1+30W	STAR	GRAB	DIORITE-MONZ., 1% CPY ON FeCARB, VNLTS	6	93	10	69
11002	10+35N	1+75W	STAR	GRAB	PIT: WHITE-QTZ VEIN	370	27	435	9
11003	10+35N	1+75W	STAR	GRAB	PIT: ALT'D WALL RK., MONZ-DIORITE, FeCARB-KSPAR ALT'D.	22	162	52	156

APPENDIX IV

TRENCH SAMPLE LOCATIONS AND ASSAYS

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-KNOB TRENCH

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5052	1	3	2	730	315	15	67
5053	3	5	2	960	171	16	83
5054	5	7	2	350	126	7	64
5055	7	9	4	540	163	15	83
5056	9	11	4	39	274	11	85
5057	11	13	4	960	276	27	136
5058	13	15	4	1610	247	24	960
5059	15	17	4	260	26	32	146
5060	17	19	4	270	128	26	166
5061	19	21	4	25	105	10	112
5062	21	23	4	57	116	17	124
5063	23	25	4	28	37	10	102
5064	25	27	4	50	80	26	122
5065	27	29	4	154	79	31	214
5066	29	31	4	51	104	15	189
5067	31	33	4	69	46	20	193
5068	33	34	4	185	912	20	477
5069	34	35	4	109	212	19	433
5070	35	37	4	161	809	35	918
5071	37	39	4	83	381	21	393
5072	39	41	4	21	177	13	173
5073	41	43	4	15	331	16	265
5074	43	45	4	210	178	57	347
5075	45	47	4	270	81	19	111
5076	47	49	4	74	103	10	108
5077	49	51	4	35	237	10	164
5078	51	53	4	7	186	11	199
5079	53	55	4	10	208	13	229
5080	55	57	4	6	52	7	137
5081	57	59	4	9	128	11	173
5082	59	61	4	1	33	9	343
5083	61	63	4	29	295	17	303
5084	63	65	4	23	255	94	738
5085	65	67	4	17	215	132	1081
5086	67	69	4	37	260	577	3394
5087	69	71	4	4	188	35	483
5088	71	73	4	11	336	34	545
5089	73	75	4	820	203	207	704

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-KNOB TRENCH

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5090	75	77	4	92	170	17	239
5091	77	79	4	23	245	17	164
5092	79	81	4	1	260	17	234
5093	81	83	4	1	43	16	145
5094	83	85	4	4	412	11	124
5095	85	87	4	5	468	13	129
5096	87	89	4	8	330	10	123
5097	89	91	4	4	275	9	148
5098	91	93	4	9	173	129	251
5099	93	95	4	7	258	16	152
5100	95	97	4	5	254	4	170
5101	97	99	4	1	152	8	207
5102	99	101	3	1	135	5	190
5103	101	102	1	35	349	50	195
5104	0	1	1	3070	10	65	65

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-TRENCH 2+00E

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5474	1+85	1+80N	5	5	439	44	187
5475	1+80	1+75N	5	6	157	16	112
5476	1+75	1+70N	5	7	124	6	112
5477	1+70	1+65N	5	12	253	87	370
5478	1+65	1+60N	5	124	391	258	900
5479	1+60	1+55N	5	62	141	16	239
5480	1+55	1+50N	5	20	121	61	645
5481	1+50	1+45N	5	3	160	8	990
5482	1+45	1+40N	5	7	81	9	1318
5483	1+40	1+35N	5	7	159	20	1356
5484	1+35	1+30N	5	21	69	37	781
5485	1+30	1+25N	5	24	88	16	370
5486	1+25	1+20N	5	36	184	176	630
5487	1+20	1+15N	5	48	138	31	379
5488	1+15	1+10N	5	59	112	21	590
5489	1+10	1+05N	5	17	23	27	278

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-TRENCH 0+74W

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5492	0+83	0+85N	2	10	15	32	92
5493	0+85	0+87N	2	11	7	16	45
5494	0+87	0+89N	2	97	38	12	57
5495	0+89	0+91N	2	1520	63	19	45
5496	0+91	0+93N	2	6290	26	15	69
5497	0+93	0+95N	2	1010	254	4	215
5498	0+95	0+97N	2	120	65	3	124
5499	0+97	0+99N	2	73	100	3	108
5500	0+99	1+01N	2	21	191	7	103
5501	1+01	1+03N	2	18	148	8	103
5502	1+03	1+05N	2	130	114	12	72
5503	1+05	1+07N	2	24	112	8	120
5504	1+07	1+09N	2	24	36	7	109
5505	1+09	1+11N	2	74	188	9	74
5506	1+11	1+13N	2	29	73	3	77
5507	1+13	1+15N	2	51	91	2	57
5508	1+15	1+17N	2	44	106	10	99
5509	1+17	1+19N	2	23	114	3	216
5510	1+19	1+21N	2	25	200	5	106
5511	1+21	1+23N	2	66	132	8	90
5512	1+23	1+25N	2	51	147	8	86
5513	1+25	1+27N	2	32	179	10	94
5514	1+27	1+29N	2	17	196	4	93
5515	1+29	1+31N	2	35	233	3	118
5516	1+31	1+33N	2	83	132	4	135
5517	1+33	1+35N	2	89	127	2	115
5518	1+35	1+37N	2	146	138	6	112
5519	1+37	1+39N	2	300	205	4	122
5520	1+39	1+41N	2	410	687	3	116
5521	1+41	1+43N	2	270	68	5	135
5522	1+43	1+45N	2	200	168	2	130
5523	1+45	1+47N	2	600	256	2	131
5524	1+47	1+49N	2	130	75	8	129
5525	1+49	1+51N	2	340	86	3	78
5526	1+51	1+53N	2	118	47	3	75
5527	1+53	1+55N	2	240	647	5	82
5528	1+55	1+57N	2	300	1316	5	81
5529	1+57	1+59N	2	41	165	5	73

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-TRENCH 0+74W

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5530	1+59	1+61N	2	88	485	9	102
5531	1+61	1+62N	1	42	252	7	280
5532	1+62	1+64N	2	121	39	9	64
5533	1+64	1+66N	2	25	36	11	64
5534	1+66	1+68.2	2.2	41	297	217	1591
5535	1+68.2	1+70N	1.8	5	37	11	212
5536	1+70	1+72N	2	83	355	48	397
5537	1+72	1+74N	2	127	74	30	228
5538	1+74	1+76N	2	30	32	4	147
5539	1+76	1+78N	2	176	47	18	133
5540	1+78	1+80N	2	99	100	21	318
5541	1+80	1+82N	2	170	459	30	381
5542	1+82	1+83N	1	230	300	91	185

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-TRENCH 1+00E

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4929	1+79	1+77N	2	23	117	9	587
4930	1+77	1+75N	2	19	39	6	404
4931	1+75	1+73N	2	12	84	13	401
4932	1+73	1+71N	2	23	259	4	411
4933	1+71	1+69N	2	95	117	15	380
4934	1+69	1+67N	2	110	241	16	444
4935	1+67	1+65N	2	89	127	12	320
4936	1+65	1+63N	2	51	318	6	292
4937	1+63	1+61N	2	65	150	28	209
4938	1+61	1+59N	2	21	73	16	421
4939	1+59	1+57N	2	19	191	9	498
4940	1+57	1+55N	2	22	100	12	434
4941	1+55	1+53N	2	9	119	2	337
4942	1+53	1+51N	2	58	89	38	409
4943	1+51	1+49N	2	49	113	5	250
4944	1+49	1+47N	2	60	93	4	364
4945	NO	SAMPLE					
4946	1+45	1+43N	2	66	93	987	1242
4947	1+43	1+41N	2	270	98	18	382
4948	1+41	1+39N	2	145	303	7	529
4949	1+39	1+37N	2	20	175	2	203
4950	1+37	1+35N	2	33	99	9	188
4951	1+35	1+33N	2	36	110	17	1805
4952	1+33	1+31N	2	36	215	62	992
4953	1+31	1+29N	2	28	298	83	1629
4954	1+29	1+27N	2	430	282	853	1612
4955	1+27	1+25N	2	106	512	231	1475
4956	1+25	1+23N	2	9	189	4	938
4957	1+23	1+21N	2	5	135	11	474
4958	1+21	1+19N	2	18	230	7	258
4959	1+19	1+17N	2	60	40	7	123
4960	1+17	1+15N	2	4	185	2	166
4961	1+15	1+13N	2	6	148	2	185
4962	1+13	1+11N	2	7	130	4	149
4963	1+11	1+09N	2	2	178	2	152
4964	1+09	1+07N	2	31	35	10	138
4965	1+07	1+05N	2	430	34	10	84
4966	1+05	1+03N	2	36	25	12	139

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-TRENCH 0+00

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4837	2+22	2+20N	2	2	16	8	97
4838	2+20	2+18N	2	10	77	11	158
4839	2+18	2+16N	2	10	241	15	151
4840	2+16	2+14N	2	32	285	16	105
4841	2+14	2+12N	2	48	204	11	126
4842	2+12	2+10N	2	76	46	9	151
4843	2+10	2+08N	2	31	234	15	128
4844	2+08	2+06N	2	135	101	7	140
4845	2+06	2+04N	2	66	294	12	434
4846	2+04	2+02N	2	29	84	7	550
4847	2+02	2+00N	2	35	151	23	990
4848	2+00	1+98N	2	61	215	28	591
4849	1+98	1+96N	2	87	226	38	188
4850	1+96	1+94N	2	100	444	153	625
4851	1+94	1+92N	2	47	330	41	444
4852	1+92	1+91N	1	67	199	60	634
4853	1+91	1+90N	1	55	357	25	302
4854	1+90	1+89N	1	239	119	39	226
4855	1+89	1+87N	2	79	204	262	871
4856	1+87	1+85N	2	81	191	30	349
4857	1+85	1+83N	2	43	216	167	1177
4858	1+83	1+82N	1	25	103	46	337
4859	1+82	1+81N	1	300	273	672	1676
4860	1+81	1+80N	1	48	129	108	419
4861	1+80	1+79N	1	197	130	456	706
4862	1+79	1+77N	2	108	255	673	1148
4863	1+77	1+75N	2	75	155	305	838
4864	1+75	1+73N	2	290	229	551	2320
4865	1+73	1+71N	2	470	161	314	1615
4866	1+71	1+69N	2	540	194	825	1102
4867	1+69	1+68N	1	61	154	44	381
4868	1+68	1+66N	2	196	509	60	1067
4869	1+66	1+64N	2	117	271	20	2229
4870	1+64	1+62N	2	114	322	26	2470
4871	1+62	1+61N	1	80	243	28	1644
4872	1+61	1+60N	1	113	230	35	1295
4873	1+60	1+58N	2	600	162	26	2052
4874	1+58	1+57N	1	181	258	23	3855
4875	1+57	1+56N	1	29	114	10	2440

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-TRENCH 0+00

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4876	1+56	1+55N	1	139	367	32	3660
4877	1+55	1+54N	1	280	398	18	4382
4878	1+54	1+53N	1	133	507	29	5029
4879	1+53	1+52N	1	179	215	45	2665
4880	1+52	1+51N	1	280	138	18	2872
4881	1+51	1+49N	1	240	154	15	2963
4882	1+49	1+47n	2	210	184	28	4110
4883	1+47	1+46N	1	400	139	29	1687
4884	1+46	1+45N	1	350	294	26	2180
4885	1+45	1+44N	1	3790	253	37	2169
4886	1+44	1+43N	1	1880	326	29	528
4887	1+43	1+42N	1	81	369	159	1511
4888	1+42	1+41N	1	920	230	36	2049
4889	1+41	1+43N	2	360	350	20	841
4890	1+41	1+39N	2	129	599	24	787
4891	1+39	1+37N	2	126	157	18	152
4892	1+37	1+35N	2	94	133	17	182
4893	1+35	1+33N	2	104	94	17	169
4894	1+33	1+31N	2	930	205	17	96
4895	1+31	1+29N	2	990	129	18	49
4896	1+29	1+27N	2	1310	90	22	65
4897	1+27	1+25N	2	260	124	21	139
4898	1+25	1+23N	2	116	121	22	182
4899	1+23	1+21N	2	26	82	18	115
4900	1+21	1+19N	2	15	96	20	114
4901	1+19	1+17N	2	56	81	15	127
4902	1+17	1+15N	2	31	148	14	145
4903	1+15	1+13N	2	40	212	16	83
4904	1+13	1+11N	2	45	69	16	68
4905	1+11	1+09N	2	39	176	9	638
4906	1+09	1+07N	2	49	117	14	561
4907	1+07	1+05N	2	48	89	9	88
4908	1+05	1+03N	2	51	177	9	140
4909	1+03	1+01N	2	49	147	10	74
4910	1+01	0+99N	2	44	171	13	128
4911	0+99	0+97N	2	75	133	12	112
4912	0+97	0+95N	2	45	63	11	233
4913	0+95	0+93N	2	81	622	17	310

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

TOUGHNUT GRID-TRENCH 0+00

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4914	0+93	0+91N	2	122	128	149	405
4915	0+91	0+90N	1	48	42	20	164
4916	0+90	0+89N	1	410	90	40	147
4917	0+89	0+87N	2	72	63	24	179
4918	0+87	0+86N	1	66	52	46	403
4919	0+86	0+84N	2	111	131	15	605
4920	0+84	0+82.5N	1.5	300	123	16	736
4921	0+82.5	0+81N	1.5	63	24	21	81
4922	0+81	0+79N	2	37	23	17	116
4923	0+79	0+77N	2	91	11	14	67
4924	0+77	0+75N	2	6	8	13	50
4925	0+75	0+73N	2	10	22	10	45
4926	0+73	0+71N	2	4	35	9	38
4927	0+71	0+69N	2	5	25	2	26
4928	0+69	0+67N	2	55	32	9	27

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

STAR GRID-TRENCH 7+71N

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5590	4+44	4+47W	3	310	135	192	137
5591	4+47	4+50W	3	70	171	8	50
5592	4+50	4+53W	3	310	188	555	348
5593	4+53	4+56W	3	119	266	396	437
5594	4+56	4+59W	3	32	259	514	322
5595	4+59	4+62W	3	77	332	33	144
5596	4+62	4+65W	3	66	447	42	140
5597	4+65	4+68W	3	64	214	198	235
5598	4+68	4+71W	3	119	801	1617	641
5599	4+71	4+74W	3	52	261	180	346
5600	4+74	4+77W	3	39	287	516	580
5601	4+77	4+80W	3	NO	SAMPLE		
5602	4+80	4+83W	3	NO	SAMPLE		
5603	4+83	4+86W	3	NO	SAMPLE		
5604	4+86	4+89W	3	NO	SAMPLE		
				NO	SAMPLE		
5605	4+89	4+92W	3	NO	SAMPLE		
5606	4+92	4+95W	3	240	151	335	686
5607	4+95	4+98W	3	105	147	60	167
5608	4+98	5+01W	3	96	132	7	74
5609	5+01	5+04W	3	56	132	9	104
5610	5+04	5+07W	3	67	90	8	52
5611	4+42	4+44W	3	360	183	329	232

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

STAR GRID-TRENCH L 10+55N

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5619	5+98W	6+00W	2	95	479	14	61
5620	6+00W	6+03W	3	86	401	15	67
5621	6+03W	6+06W	3	30	469	7	73
5622	6+06W	6+09W	3	21	528	7	73
5623	6+09W	6+12W	3	46	558	7	56
5624	6+12W	6+15W	3	39	502	8	62
5625	6+15W	6+18W	3	75	477	7	30
5626	6+18W	6+20W	2	880	1219	5	59
5627	6+20W	6+22W	2	1200	476	4	20
5628	6+22W	6+24W	2	960	1491	4	26
5629	6+24W	6+26W	2	260	1138	6	31
5630	6+26W	6+28W	2	700	903	3	22
5631	6+28W	6+30W	2	300	465	3	28
5632	6+30W	6+32W	2	290	498	4	32
5633	6+32W	6+34W	2	250	405	5	28
5634	6+34W	6+36W	2	360	699	5	28
5635	6+36W	6+38W	2	94	415	5	35
5636	6+38W	6+40W	2	1430	819	7	10
5637	6+40W	6+42W	2	810	1022	7	21
5638	6+42W	6+44W	2	43	324	6	26
5639	6+44W	6+46W	2	30	253	4	15
5640	6+46W	6+48W	2	250	284	4	30
5641	6+48W	6+50W	2	740	332	4	30
5642	6+50W	6+53W	3	720	447	4	9
5643	6+53W	6+56W	3	620	283	7	16
5644	6+56W	6+59W	3	90	245	5	38
5645	6+59W	6+61W	3	380	308	8	23
5646	6+70W	6+73W	3	52	299	8	51
5647	6+73W	6+76W	3	1	242	4	27
5648	6+76W	6+79W	3	220	538	8	42
5649	6+85W	6+88W	3	128	1344	2	34
5650	6+88W	6+91W	3	88	536	7	39
5651	6+91W	6+94W	3	92	582	10	40

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

STAR GRID-TRENCH 12+00N

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5107	7+02	7+05W	3	38	165	3	88
5108	7+05	7+08W	3	10	226	2	74
5109	7+08	7+11W	3	11	143	3	87
5110	7+11	7+14W	3	18	316	3	72
5111	7+14	7+17W	3	10	209	3	70
5112	7+20	7+23W	3	15	307	2	91
5113	7+23	7+26W	3	13	249	7	83
5114	7+26	7+29W	3	27	217	8	86
5115	7+29	7+31W	3	14	193	2	91

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

RON GRID-TRENCH 12+00N

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5118	18+87	18+90W	3	132	459	16	101
5119	18+84	18+87W	3	23	184	5	102
5120	18+81	18+84W	3	25	148	6	93
5121	NO	SAMPLE					
5122	18+78	18+81W	3	33	214	6	97
5123	18+75	18+78W	3	15	151	4	94
5124	18+73	18+75W	2	16	159	6	92
5125	18+69	18+70W	1	101	214	7	101
5126	NO	SAMPLE					
5127	NO	SAMPLE					
5128	18+60	18+62W	2	24	231	6	91
5129	18+57	18+60W	3	45	235	6	92
5130	18+54	18+57W	3	12	190	6	95
5131	18+53	18+54W	1	18	231	4	78
5132	18+42	18+45W	3	14	248	8	89
5133	18+39	18+42W	3	36	615	9	88
5134	18+36	18+39W	3	18	372	9	95
5135	18+33	18+36W	3	21	219	13	93
5136	18+30	18+33W	3	15	201	8	99
5137	18+27	18+30W	3	16	370	16	108
5138	18+24	18+27W	3	42	312	24	89
5139	18+18	18+21W	3	73	623	7	101
5140	18+15	18+18W	3	14	247	9	105
5141	18+12	18+15W	3	19	288	8	93
5142	18+09	18+12W	3	15	163	7	89
5143	18+06	18+09W	3	8	165	8	86
5144	18+03	18+06W	3	17	270	5	96
5145	18+00	18+03W	3	11	280	9	106
5146	17+97	18+00W	3	23	314	11	97
5147	17+94	17+97W	3	32	353	9	101
5148	17+91	17+94W	3	35	219	14	130
5149	17+88	17+91W	3	45	470	28	142
5150	17+85	17+88W	3	350	736	265	352
5151	17+82	17+85W	3	410	1525	126	118
5152	17+79	17+82W	3	43	436	10	131
5153	17+76	17+79W	3	39	481	15	128
5154	17+73	17+76W	3	92	566	8	110
5155	17+70	17+73W	3	37	205	12	124

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

RON GRID-TRENCH 12+00N

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5156	17+67	17+70W	3	20	258	10	105
5157	17+64	17+67W	3	21	235	15	98
5158	17+61	17+64W	3	54	283	8	86
5159	17+58	17+61W	3	59	499	4	82
5160	17+55	17+58W	3	8	162	9	88
5161	17+52	17+55W	3	41	229	10	96
5162	17+49	17+52W	3	20	154	6	85
5163	17+46	17+49W	3	39	581	5	87

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

RON GRID-TRENCH L 18+00N

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5652	25+93W	25+90W	3	8	178	9	78
5653	25+90W	25+87W	3	12	122	9	84
5654	25+87W	25+84W	3	47	179	13	90
5655	25+84W	25+81W	3	14	545	6	87
5656	25+81W	25+78W	3	80	172	8	70
5657	25+78W	25+75W	3	7	77	5	68
5658	25+75W	25+72W	3	15	351	9	74
5659	25+72W	25+69W	3	6	118	5	78
5660	25+69W	25+66W	3	38	223	4	72
5661	25+66W	25+63W	3	16	213	4	74
5662	25+63W	25+60W	3	58	1616	2	100
5663	25+60W	25+57W	3	175	564	4	65
5664	25+57W	25+54W	3	176	702	11	43
5665	25+54W	25+51W	3	52	543	7	56
5666	25+51W	25+48W	3	5830	855	4	45
5667	25+48W	25+45W	3	250	388	3	40
5668	25+45W	25+42W	3	157	554	10	59
5669	25+42W	25+39W	3	132	581	15	51
5670	25+39W	25+36W	3	99	457	5	49
5671	25+36W	25+33W	3	70	539	4	58
5672	25+33W	25+30W	3	390	526	9	43
5673	25+30W	25+27W	3	56	369	12	50
5674	25+27W	25+24W	3	19	228	5	68
5675	25+24W	25+21W	3	13	188	8	62
5676	25+21W	25+18W	3	520	232	3	51
5677	25+18W	25+15W	3	4	189	8	47
5678	25+15W	25+12W	3	47	402	8	50
5679	25+12W	25+09W	3	116	430	5	44
5680	25+09W	25+06W	3	5	181	11	47
5681	25+06W	25+03W	3	10	238	7	52
5682	25+03W	25+00W	3	4	139	12	59
5683	25+00W	24+97W	3	8	112	9	51
5684	24+97W	24+94W	3	12	414	8	69
5685	24+94W	24+91W	3	3	70	12	92
5686	24+91W	24+88W	3	13	156	9	47
5687	24+88W	24+85W	3	860	25320	10	117
5688	24+85W	24+82W	3	540	14197	12	137
5689	24+82W	24+79W	3	54	639	12	80

APPENDIX 4
GREAT WESTERN STAR PROJECT
Trench Sample Geochemistry

RON GRID-TRENCH L 18+00N

SAMPLE NUMBER	FROM (m)	TO (m)	WIDTH (m)	Au (ppb)	Cu (ppm)	Pb (ppm)	Zn (ppm)
5690	24+79W	24+76W	3	55	2085	17	81
5691	24+76W	24+73W	3	115	924	3	64
5692	24+73W	24+70W	3	22	1336	8	115
5693	24+70W	24+68W	2	83	853	12	100
5694	24+68W	24+66W	2	39	589	9	82
5695	24+66W	24+64W	2	410	1390	52	192
5696	24+64W	24+62W	2	450	1624	9	78
5697	24+62W	24+60W	2	830	2436	8	79
5698	24+60W	24+58W	2	55	855	6	48
5699	24+58W	24+56W	2	49	3384	2	51
8901	24+56W	24+53W	3	490	5479	5	124
8902	24+53W	24+50W	3	84	1697	10	102
8903	24+50W	24+47W	3	13	515	10	61
8904	24+47W	24+44W	3	21	252	6	47
8905	24+44W	24+41W	3	23	576	8	54
8906	24+41W	24+38W	3	4	243	5	48
8907	24+38W	24+35W	3	8	348	8	62
8908	24+35W	24+32W	3	100	248	7	53
8909	24+32W	24+29W	3	960	1023	10	67
8910	24+29W	24+27W	2	7	327	8	56

APPENDIX V

PETROGRAPHIC DESCRIPTIONS

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
FORT LANGLEY, B.C.
V0X 1J0
PHONE (604) 888-1323
FAX. (604) 888-3642

Greg Dawson
Pacific Sentinel Gold Corporation
Suite 1020-800 West Pender St.
Vancouver, B.C. V6C 2V6
(604) 684-6365

June 27, 1989
Our file #8240

Dear Greg: Re: Samples 1 to 5 (5 Aiman)

Petrographic analysees have been completed and a suite of photomicrographs taken of samples 1 to 5. The petrographic descriptions can be summarized as follows:

The samples form a suite of related(?) leucocratic, medium grained, felsic rocks of approximately monzonite to monzosyenite composition. They show varied intensity of alteration and multistage shearing and crushing.

The rocks are composed of irregular interlocking grains of K-feldspar and plagioclase which show varied relative abundance among samples. These composition differences may be largely a result of sampling (small area of thin sections) rather than real.

The rocks are fractured, crushed and sheared, also to varied degree, with fracture cavities filled/partially filled with clusters of biotite, quartz (introduced?) carbonate and minor sulphides. The feldspars have a fine dusting of alteration and contain sericitic patches. Sericite is, however, the most intense alteration (multistage?) forming a diffuse network of felted and foliated masses following fractures, shears. See photomicrographs.

There is composite quartz veining, (sample 1) and some quartz, minor carbonate and feldspar veining. (Sample 5 photomicrographs)

Yours truly,

Ken Northcote

K.E. Northcote Ph.D., P.Eng. (604) 796-2068

Sample 1

Leucocratic syenite (?): multistage, brecciated, granulated, sheared, altered, composite veined, mineralized leucocratic syenite (?).

The original rock was leucocratic, K-feldspar-rich, containing lesser plagioclase and quartz deficient. Underwent multistage brecciation, crushing and shearing accompanied by siliceous and sericitic alteration and pyrite mineralization.

Resulted in a texturally and compositionally layered rock now largely composed of lithic fragments, lensoids and crushed zones of altered original rock; sericitic lensoids along shear surfaces and whispy networks around fragments; diffuse quartz impregnations and composite veins; with disseminations and clusters of pyrite grains following veins and shear foliation.

Thin section:

Rock forming minerals:

K-feldspar; 20%, anhedral, (to 0.6 mm), generally broken smaller, interlocking, dusting of alteration and weak sericite, quadrille structure and carlsbad twinning.

Plagioclase; 5%, subhedral, (to 0.2 mm), remnant polysynthitic twinning.

Veins and impregnations:

Quartz; 40%, anhedral, (<.01 to 1.0 mm), interlocking grains, most fractured, strained extinction, locally granulated. Several generations of quartz.

Sericite/pyrophyllite; 30%, (<.01 to 0.1 mm), fibrous, generally preferred orientation but locally felted. Pale green to colourless, iron-stained. Occurs in diffuse masses; discontinuous, whispy networks around lithic and quartz fragments. Possibly several generations with grain size reflecting intensity of deformation.

Carbonate; <1%, lensoids on slip surfaces.

Opaque:

Pyrite; 10%, euhedral/subhedral, (<0.2 to 0.3 mm) in quartz, diffuse composite veinlets, aggregates of grains.

Hematite; <1%, interstitial masses, associated with pyrite, bright red internal reflection, translucent.

Sample 2. Monzonite: altered, copper mineralized, crushed, monzodiorite.

Brecciated/cracked, screaked, weakly biotitic, feldspathic with plagioclase >K-feldspar. Sericitic alteration, as diffuse network in fractures, minor quartz impregnation. Vuggy. Malachite, hematite, and minor chalcopyrite mineralization.

Petrography:

Rock forming minerals.

Plagioclase: 35%, subhedral, (to >1.0 mm), weak sericitic alteration, polysynthetic twinning. Relief very low (-?). Polysynthetic twinning indicates albite-oligoclase composition. Verification by optic sign was not achieved.

Note: plagioclase composition can be determined by microprobe, if required.

K-feldspar; 25%, anhedral, (to >1.0 mm), interlocking grains, weak sericitic alteration.

Quartz; <5%, anhedral, (to 0.3 mm), associated with copper mineralization and biotite in vugs.

Biotite; 10%, bladed, (<.01 to 0.5 mm) clusters of grains, many deformed, some alteration to chlorite.

Tourmaline; 1%, prismatic subhedral, (<.02 to .05 mm), pleochroic, greatest absorption perpendicular to polarizer.

Alteration.

Sericite; 20%, anhedral bladed/fibrous, (<.01 to 0.1mm) forms a diffuse network following fracture and slip surfaces.

Chlorite; >1%, bladed, radiating, altered biotite. Iron-stained chlorite (?), mottled yellow/brownish yellow, aggregates of grains (x-nicols), low birefringence.

Mineralization

Minor chalcopyrite remnants with secondary malachite, hematite, jarosite(?).

Sample 3 Sheared foliated (biotite) Monzosyenite

Coarse grained with strong shear foliation, crackled with clusters of small biotite grains controlled by fractures intermixed with sericite. Sericite forms a diffuse network throughout the rock filling fractures and slip surfaces. Late brecciation carbonate filled. Iron stained.

Mineralized by magnetite, pyrite, hematite, very minor chalcopyrite, traces malachite.

Petrography

Feldspar

K-feldspar, 50%, anhedral, (to 1 to 2 mm), interlocking grains, shows poorly developed microcline quadrille structure locally (otherwise untwinned). Slight dusting of alteration.

Note: stained slab shows the K-feldspar staining as a minute network throughout the grains. This structure is not obvious in thin section.

Plagioclase; <10%, subhedral, (to 0.2 mm) only conspicuous locally by remnant polysynthetic twinning.

Quartz <5%, anhedral, (0.2 mm), in vugs associated with biotite and opaque minerals.

Biotite; <10%, anhedral, bladed (to 0.2 mm), irregular diffuse clusters of grains to several mm. Dark olive green pleochroic to light yellow. Fracture controlled. Locally intimately intermixed with sericite.

Alteration

Sericite, 20%, fibrous/bladed, (<.01 to 0.3 mm), forms felted clusters of grains in feldspar; but primarily felted/foliated filling crackle breccia fractures, breccia matrix and slip surfaces among K-feldspar grains.

Carbonate; <5% anhedral, (to 0.3 mm) forming aggregates of grains which, with very minor quartz, fill former cavities.

Opaques 2%

Magnetite, pyrite, chalcopyrite, hematite, trace malachite.

Sample # monzodiorite

Note: This is one least altered of the suite of rocks.

The rock is composed of coarse interlocking grains of K-feldspar and plagioclase with partially fracture controlled clusters of olive green brown biotite in close association with sericite. Conspicuous interstitial quartz (introduced?).

A diffuse network of sericite follows fractures and slip surfaces. The sericite spreads to form large diffuse felted masses. Sericite replaces some feldspar grains also forming diffuse felted masses so that fracture control is not always obvious. Partings of coarser sericite indicate multistage fracturing.

Open spaces are filled by clusters of quartz grains associated with biotite clusters and about 5% sulphides (pyrite). Nonmagnetic.

5% Pyrite cubes associated with block matic

Healed fine granulated zones-wispy branching. Nonmagnetic.

Petrography

Rock forming minerals

K-feldspar; 45%, anhedral, (to >2.0 mm), interlocking grains, show poorly developed microcline quadrille structure and carlsbad(?) twinning. Very slight dusting of alteration, clusters of sericite grains.

Note: stained slab shows the K-spar staining is a minute network throughout the grains. This structure in not obvious in thin section.

Plagioclase; 15%, subhedral, (to 1.0 mm), only conspicuous by few grains showing polysyntnetic twinning. Index of refraction low (-?).

Biotite; 15%, olive brown anhedral bladed, (to 0.4 mm), irregular diffuse clusters of grains to several mm. Fracture controlled. Some association with sericite, carbonate and quartz.

Quartz; <5%, anhedral, (to 0.3 mm), clusters of grains associated with carbonate and biotite filling open spaces.

Apatite (?); traces.

Sample 4 (Continued)

Alteration

Sericite/pyrophyllite: 20%, fibrous bladed (<.01 to 0.3 mm), forms felted clusters of grains in feldspar but primarily felted/foliated diffuse masses and networks of very fine grains. Cut by diffuse foliated wispy stringers of coarser grains. Partly replacing feldspar and filling crackle breccia matrix and slip surfaces.

Carbonate: <5% anhedral, (to 0.3 mm) forming aggregates of grains which, with minor quartz, fill former cavities. Associated with biotite.

Opaques

1% anhedral/subhedral, aggregates of grains closely associated with biotite.

Sample 3

Leucocratic phase
Massive K-feldspar, brecciated, quartz-filled with K-feldspar and plagioclase has grown in optical continuity from wall rock.

Petrography
Rock forming minerals
K-feldspar: 10%, anhedral grains, (generally 1.5 mm), irregular, interlocking, very fine alteration dusting.

Plagioclase: 25%, subhedral laths.

Sericite/muscovite: <5%, bladed/irregular, (to 0.3 mm), clusters of grains.

Veining Quartz: large masses several mm long

Veins; fracture filling in which feldspars both orthoclase and plagioclase project in unaltered optical continuity from altered wall rock minerals. Plagioclase twinning is clear and well developed.

Carbonate; clusters of grains in vein and scattered clusters of grains throughout rock matrix.

Opaque; pyrite, euhedral

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
FORT LANGLEY, B.C.
V0X 1J0
PHONE (604) 888-1323
FAX. (604) 888-3642

Report for: Douglas B. Forster,
Pacific Sentinel Gold Corp.,
1020-800 West Pender St.,
Vancouver, B.C.
V6C 2V6

Invoice 8420

September 8th, 1989

Samples:

4 core samples from the Great Western Star Project for sectioning and petrographic description. Samples are numbered as follows:

DDH S-46 157'
DDH S-46 174'
DDH S-51 214'
DDH S-51 244'

The samples were prepared as polished thin sections.

Summary:

These rocks are quartz-free, medium-grained, intrusive rocks.

The two from DDH S-46 are leucocratic monzonites. They show weak, intergranular carbonate-sericite alteration, probably associated with incipient microbrecciation. They both contain 3-4% disseminated pyrite, as discrete grains of apparent primary or deuteric origin.

The two samples from DDH S-51 are of syenites. They contain minor accessory chlorite and Fe oxides, but no sulfides.

Sample S-51 214' shows localized intergranular sericite-carbonate alteration and micro-granulation, similar in type to the S-46 rocks, but slightly more strongly developed.

Sample S-51 244' shows a much more intense development of the same feature. This rock now consists of small remnants of the original K-spar aggregate set in an invasive matrix of felted sericite which clearly follows a network of strong, intergranular microbrecciation and granulation.

Individual petrographic descriptions are attached.

J.F. Harris Ph.D.

(929-5867)

SAMPLE DDH S-51 214' **SYENITE**

Estimated mode

K-feldspar	85
Sericite	8
Chlorite	4
Carbonate	2
Apatite	trace
Sphene	trace
Rutile	trace
Hematite) Limonite)	1

This is a rock of related type to the S-46 samples, but distinctive for its apparent lack of plagioclase. It consists essentially of K-feldspar, as a subhedral aggregate of grain size 0.3 - 3.0mm, and is classifiable as a syenite.

It includes a few rather extensive, but localized, veniform patches and networks of minutely granulated K-spar.

Original minor mafics are now represented by chlorite, as small pockets and intergranular wisps. Sericite is often associated, or seen in like mode, together with small granules and flakes of iron oxides and derived limonite. Reflected light observations show that the iron oxides are predominantly hematite. No sulfides were seen.

Sericite also occurs in this rock as scattered patches of rather strong, diffuse alteration, with intergrown fine-grained carbonate, apparently affecting scattered specific feldspar crystals. Overall, however, the rock is only weakly altered.

Small subhedra of sphene and apatite are trace accessories not seen in the monzonite samples.

SAMPLES DDH S-51 244' ALTERED SYENITE

Estimated mode

K-feldspar	50
Plagioclase	2
Sericite	46
Quartz	1
Chlorite	trace
Rutile	trace
Magnetite) Hematite)	1
Limonite	trace

This rock probably originated as a very similar type to S-51 214', but differs in showing strong sericitic alteration.

This is of a distinctive textural type, consisting of more or less extensive pockets and networks of minutely felted sericite - apparently originating as intergranular permeations associated with microbrecciaton and granulation - extending to complete replacement of specific feldspar grains or granulated zones.

As a result, the rock now consists of remnant grains and grain clumps of perthitic K-feldspar, 0.2 - 3.0mm in size, scattered through a matrix of felted sericite.

Generally the sericite is non-oriented, though local, wispy/ foliaceous development is seen.

The relict patches of granular K-feldspar are themselves fresh and free of pervasive alteration, but show intimate penetration of the matrix sericite along grain boundaries and microfractures.

Small patches of finely granulated feldspars (including fresh plagioclase and possible minor quartz) are seen throughout the sericite matrix and in fringing relationship to the remnant K-spar kernels.

Traces of chlorite, flecks of rutile, irregular grains of partially hematized magnetite, and a little diffuse limonite staining are the only accessories.

No sulfides were seen.

SAMPLE DDH S-46 157' **MONZONITE**

Estimated mode

Plagioclase	38
K-feldspar	50
Sericite	4
Carbonate	5
Rutile	trace
Pyrite	3

This rock is composed essentially of a randomly oriented aggregate of subhedral, prismatic grains of intergrown plagioclase and perthitic K-feldspar, 0.3 - 3.0mm in size.

The feldspars are generally fresh except for occasional sparse flecks of sericite in a few plagioclase grains.

Accessories are carbonate and sericite, usually closely associated, as an evenly distributed, intergranular phase of slender threads and interstitial pockets.

This may represent a totally altered, and partially redistributed minor, interstitial mafic component in a markedly leucocratic rock. This rock is a medium-grained monzonite, of typical intrusive textural aspect.

Individual subhedral grains of pyrite, 20 - 300 microns in size, are widely distributed, as a disseminated accessory of apparent primary or deuteric origin. The pyrite grains are generally in interstitial relation to the feldspar crystals, but show no special association with the sericite-carbonate clumps.

SAMPLE DDH S-46 174' MONZONITE

Estimated mode

K-feldspar	60
Plagioclase	28
Quartz	trace
Sericite	2
Carbonate	5
Chlorite	1
Apatite	trace
Rutile	trace
Pyrite	4

This is a rock of closely similar type to S-46 157', being composed essentially of an interlocking aggregate of subhedral, prismatic grains of intergrown K-feldspar and plagioclase.

It is predominantly of grain size 0.3 - 2.0mm, but also shows minor pockets and networks of finer intergranular recrystallization/ granulation, in the form of aggregates of grain size 0.05 - 0.1mm.

The feldspars are essentially unaltered but for a slight local dusting of sericite.

As with the previous sample, this rock is notably leucocratic and contains no primary mafics.

Accessories are predominantly carbonate and lesser sericite and chlorite. The carbonate forms a network of threads and pockets intergranular to the feldspar. Occasional clumps of intergrown chlorite are associated.

Carbonate and/or sericite and chlorite also concentrate in occasional cross-cutting microfractures.

Disseminated pyrite is relatively abundant. It occurs as anhedral to subhedral individuals, 0.1 - 0.6mm in size, often sieved with silicate specks. The pyrite grains commonly aggregate as elongate clumps, in generally interstitial relation to the feldspars, and sometimes associated with carbonate pockets.

The slide includes rare, discrete, elongate patches of minutely felted chlorite, flecked with rutile. These may represent totally altered mafics of comparable grain size to the feldspars.

Vancouver Petrographics Ltd.

JAMES VINNELL, Manager
JOHN G. PAYNE, Ph.D. Geologist
CRAIG LEITCH, Ph.D. Geologist
JEFF HARRIS, Ph.D. Geologist
KEN E. NORTHCOTE, Ph.D. Geologist

P.O. BOX 39
8080 GLOVER ROAD,
FORT LANGLEY, B.C.
V0X 1J0
PHONE (604) 888-1323
FAX. (604) 888-3642

Report for: Douglas B. Forster,
Pacific Sentinel Gold Corp.,
1020 - 800 West Pender St.,
Vancouver, B.C.
V6C 2V6

Invoice 8295

July 17th, 1989

Samples:

2 rock samples, numbered TN-1 and TN-2, for petrographic examination. The samples were prepared as polished thin sections to allow for observation of opaque phases.

Summary:

TN-1 is a sericitized quartz feldspar porphyry of quartz diorite composition. It shows probable incipient shear-related recrystallization.

Though its origin is indeterminate from petrographic features alone, its coarsely porphyritic character favours an intrusive origin. Weakly developed flow features in the groundmass are not necessary inconsistent with this hypothesis.

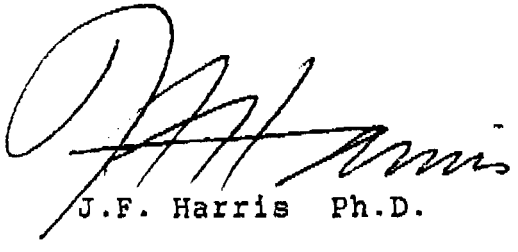
It contains rather abundant, clumpily disseminated Fe oxides. These appear to be mainly limonitic, and are possibly secondary after pyrite. They are associated with a noticeable drusy porosity in the rock.

TN-2 consists of compact carbonate (dolomite or ankerite) showing concentrically banded grain size variations. This may represent crustification in a vein filling or breccia cement, or could be a metasomatic feature. Again, petrographic study of a single sample cannot establish the origin. Field relationships may aid in a choice of interpretation.

The sample contains minor sulfides (principally sphalerite) which appear largely to post-date the carbonate, occurring as they do in interband pore spaces and in discordant microfractures. The sulfides have a distinctive associated silicate gangue assemblage of quartz, plagioclase and K-feldspar - suggesting possible pegmatitic affinities for the mineralization.

The mineralogical and textural observations neither support nor disprove a genetic connection between these two samples.

Individual petrographic descriptions are attached.



J.F. Harris Ph.D.

(929-5867)

SAMPLE TN-1 **QUARTZ-FELDSPAR PORPHYRY**

Estimated mode

Quartz	20
Plagioclase	48
Sericite	30
Apatite	trace
Fe oxides) Limonite)	2
Pyrite	trace

This is a strongly porphyritic igneous rock of quartz diorite or dacite composition.

About 60% of the rock is made up of phenocrysts. These range in size from 0.2 - 5.0mm.

By far the most abundant phenocryst type is plagioclase, as prismatic subhedra. These show variable strong alteration to sericite. Some are totally converted to fine-grained felted sericite, whilst others show patchy, sometimes core or rim-zoned growths of meshwork flakes of sericite.

Less common phenocryst types include quartz - showing typical rounded to embayed/amoeboid form - and patches of sericite, microgranular quartz and Fe oxide granules, which probably represent some totally altered original mafic.

The phenocrysts are set in a felsitic groundmass, of grain size 10 - 30 microns, which consists of plagioclase and accessory quartz in uncertain proportions. This contains intimately intergrown sericite as tiny individual flecks, locally concentrating as wisps and schlieren.

The fine-grained groundmass sericite shows a general preferred orientation. The concentrated schlieren sometimes swing around and show compression between the large phenocrysts.

The rock contains relatively abundant disseminated Fe oxides and limonite - frequently associated with patches of drusy porosity and/or altered phenocrysts. Occasional grains of Fe oxides contain specks of pyrite, and rare pyrite grains rimmed by oxides are seen. It seems likely that the Fe oxides are predominantly secondary in character (after pyrite), though some may be primary.

The orientation of the groundmass sericite may be partially a primary, emplacement-related, flow effect. However, the consistent orientation of tiny disseminated sericite flakes is sometimes mirrored within totally altered feldspar phenocrysts which grade to streaked-out sericite schlieren, suggesting incipient recrystallization related to dynamic metamorphism.

SAMPLE TN-2 BANDED CARBONATE WITH SPHALERITE

Estimated mode

Carbonate	90
Quartz	2
Plagioclase	2
K-feldspar	2
Sericite	trace
Sphalerite	4
Pyrite	trace
Galena	trace
Chalcopyrite	trace

This sample consists predominantly of a compact aggregate of carbonate. This is unreactive to dilute acid, and is probably dolomite (or possibly ankerite).

The carbonate shows concentrically banded, grain-size variations, from micritic aggregates in the 5 - 10 micron grain size range up to coarse, comb-textured aggregates of elongate grains, 0.2 - 1.0mm in size. Crystal form is anhedral throughout, and the coarser bands show the shadowy strain polarization typical of massive dolomite rock.

The banding could represent a crustification texture in a vein (though the lack of any vugginess is notable), or possibly a diffusion effect related to metasomatic processes - as for example in the skarn environment.

Accessory components consist of sulfides (principally sphalerite) and a closely associated silicate assemblage of feldspars and quartz. Segregations of these minerals occur within the carbonate host, partly as small pockets and lenses concordant with the concentric banding, and partly in hairline fractures which cross-cut, and locally displace, the banding.

The sphalerite is a pale, unzoned, low-Fe variety. It locally contains sparse, micron-sized specks of exsolved chalcopyrite. Galena is another trace associate, as tiny inclusions and rare simple intergrowths with the sphalerite.

Pyrite is the commonest of the trace accessory sulfides, occurring as individual, irregular to subhedral grains, 0.05 - 0.3mm in size, within sphalerite and, occasionally, as tiny euhedral grains disseminated in the carbonate host, independent of sphalerite.

The sphalerite pockets appear to be open-space fillings in pre-existing dolomite, occupying natural interband pore spaces or microfractures. Sometimes the walls of these cavities are lined by a growth of fine-grained calcite, and subsequently infilled by sulfide.

Sample TN-2 cont.

Some of the sulfide pockets have associated feldspars and quartz - generally as marginal growths to the sphalerite. The plagioclase forms euhedral crystals, and the K-feldspar occurs as anhedral aggregates; both are fresh and clear. Quartz forms microgranular patches and strings of anhedral grains.

Silicates also occur as scattered, individual grains in the carbonate, and as small pockets and veinlets without sulfides. Traces of sericite occur as wisps between some silicate pockets.

The sulfides and silicates appear cogenetic - possibly representing mineralization of pegmatitic affinities.

APPENDIX VI

GEOCHEMISTRY

ACME AN. TICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANC. ER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)25

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P2 ROCK P3-P4 SOIL AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 11 1989 DATE REPORT MAILED: Aug 16/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD CORP. File # 89-2834 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SR-1	1	151	3	44	.7	4	8	217	2.69	53	5	ND	4	8	1	2	2	3	.13	.051	6	2	.05	53	.01	6	.57	.01	.29	3	1290
SR-2	1	233	2	19	2.7	3	3	325	1.41	2	5	ND	2	102	1	2	2	7	1.45	.051	7	3	.15	43	.03	2	.44	.02	.30	1	1480
BA 5555	2	67	7017	25232	39.9	113	42	24756	4.02	37	5	ND	2	194	168	9	4	3	12.13	.014	2	9	4.32	41	.01	6	.05	.01	.02	19	151
BA 5556	1	66	10151	30522	46.9	283	61	23102	4.49	64	5	ND	2	216	213	11	3	4	12.61	.015	2	6	4.21	36	.01	6	.07	.01	.01	52	660
BA 5557	5	43	2971	26355	5.5	21	7	12930	1.83	15	5	ND	1	70	135	6	2	1	4.62	.010	2	9	1.74	12	.01	3	.04	.01	.02	3	47
BA 5558	6	113	33	194	.5	13	19	748	4.58	4	5	ND	2	32	1	2	2	44	.57	.149	4	9	.63	78	.05	2	.72	.01	.40	1	113
BA 5559	2	134	1241	3341	5.1	25	19	3768	4.79	9	5	ND	2	45	23	2	2	45	1.53	.139	4	14	1.05	102	.06	14	.81	.01	.45	1	90
BA 5560	4	117	1935	4139	6.4	53	22	3352	4.09	16	5	ND	2	49	29	5	2	48	1.56	.121	3	13	1.43	103	.10	5	1.14	.01	.63	1	91
BA 5561	1	115	486	3357	1.0	22	22	2623	5.60	37	5	ND	1	138	17	2	3	65	3.28	.105	2	47	1.97	28	.12	12	1.22	.01	.99	1	50
BA 5562	1	140	34	2344	1.7	36	20	3052	5.39	68	5	ND	1	177	10	14	2	12	3.46	.121	2	40	1.29	20	.01	4	.29	.01	.18	1	38
BA 5563	2	140	16	24	.4	14	19	1535	4.59	103	5	ND	1	181	2	2	2	10	4.02	.163	2	13	.74	34	.01	12	.29	.01	.18	1	41
BA 5564	1	32	13	63	.4	12	15	2229	5.13	26	5	ND	1	252	1	2	2	6	6.10	.131	2	11	1.29	38	.01	2	.20	.01	.15	1	16
BA 5565	2	20	12	53	.5	16	19	1866	5.45	31	5	ND	1	208	2	2	2	12	5.18	.132	2	12	1.19	29	.01	2	.25	.01	.18	1	19
BA 5566	1	159	30	102	.5	14	24	1585	6.12	31	5	ND	1	214	1	2	2	12	4.00	.139	2	13	1.39	22	.01	4	.29	.01	.17	1	21
BA 5567	27	56	511	1797	1.7	23	25	2706	7.04	30	5	ND	1	214	6	8	3	17	3.15	.096	2	19	.72	5	.01	3	.20	.01	.14	1	100
BA 5568	4	147	24	309	2.0	5	19	1219	7.31	116	5	ND	1	88	1	8	2	12	1.67	.114	2	10	.62	13	.01	10	.24	.01	.14	1	790
BA 5569	11	1084	233	1881	29.0	9	11	1006	7.19	120	5	10	1	75	10	35	5	9	1.18	.084	2	8	.44	6	.01	5	.19	.01	.11	1	11440
BA 5570	1	23	51	446	2.5	11	11	1154	5.21	50	5	ND	1	29	2	2	2	12	.44	.116	2	3	.09	19	.01	9	.33	.01	.17	1	142
BA 5571	2	88	9	99	.4	16	27	494	5.79	34	5	ND	1	86	1	2	2	28	.98	.121	2	19	1.33	14	.02	2	.40	.02	.28	1	210
BA 5572	15	30	16	24	2.3	18	22	91	6.97	56	5	2	1	30	1	2	2	13	.16	.075	2	5	.03	18	.01	2	.12	.02	.10	1	1590
BA 5573	2	73	11	165	.8	70	25	969	6.66	20	5	ND	1	66	1	2	2	133	1.59	.101	2	164	4.43	31	.14	2	2.94	.01	1.34	1	145
BA 5574	6	6737	983	367	127.6	2	4	794	1.49	41	5	ND	1	695	3	145	5	111	17.69	.008	11	2	.05	6	.01	2	.01	.01	.01	1	700
BA 5575	9	2411	76	225	10.7	1	1	1470	.47	277	5	ND	1	329	3	232	5	1	21.02	.008	17	6	.04	1	.01	2	.01	.01	.01	1	220
BA 5576	63	5302	314	351	13.7	1	3	1412	.84	231	5	5	1	268	4	161	14	1	19.86	.005	13	2	.05	2	.01	6	.01	.01	.01	1	950
BA 5577	170	4024	47	325	8.5	1	2	1484	.63	429	5	ND	1	311	4	228	14	1	21.21	.013	47	2	.05	1	.01	15	.02	.01	.01	1	530
BA 5578	48	3150	10296	14001	150.5	7	106	191	13.23	664	10	2	1	84	96	2544	28	4	1.65	.023	2	8	.01	3	.01	2	.06	.01	.05	1	1830
BA 5579	2	2137	19	53	2.6	1	8	443	2.99	12	7	ND	8	26	1	3	3	13	1.10	.057	14	5	.02	14	.01	3	.29	.02	.15	1	350
BA 5580	2	3036	25	53	2.7	1	1	223	.49	6	5	ND	1	1046	1	24	6	1	31.86	.002	4	1	.03	2	.01	8	.01	.01	.01	1	91
BA 5581	26	36936	14233	3694	247.9	4	3	196	1.13	27	5	ND	1	40	32	10	24	4	1.60	.014	18	5	.13	1	.01	4	.02	.01	.01	1	320
BA 5582	1	1953	104	58	11.7	2	6	394	2.73	2	22	3	10	54	1	2	14	9	1.52	.061	14	2	.13	10	.01	6	.40	.01	.16	1	3070
BA 5583	34	13259	64	125	14.6	3	7	1154	2.68	3	5	ND	2	391	4	2	7	3	8.89	.108	6	11	1.22	45	.01	2	.14	.01	.12	1	560
SH 4978	4	196	413	889	11.6	19	14	47270	5.13	248	5	ND	4	167	5	6	2	4	7.53	.040	2	14	1.07	18	.01	2	.14	.01	.09	1	360
SH 4979	1	359	16	20364	1.3	22	18	11415	7.47	6	5	ND	1	114	155	2	2	43	4.23	.075	2	26	1.07	9	.01	4	.10	.01	.06	11	76
SH 4980	1	261	342	25271	1.7	7	16	3697	5.91	96	5	ND	1	243	133	2	2	29	1.38	.200	3	7	.63	29	.03	9	.58	.01	.30	1	50
SH 4981	96	3102	357	1292	11.0	7	13	788	4.06	3	5	ND	4	145	5	5	3	94	2.77	.167	10	15	1.34	45	.10	2	1.23	.01	.73	1	340
SH 4982	63	7466	5186	1777	136.3	4	3	381	.84	10	9	ND	3	23	7	123	3	30	.27	.123	14	6	.36	45	.01	3	.59	.01	.20	1	330
STD C AU-P	18	61	41	132	6.5	59	31	947	4.13	41	19	7	38	48	18	14	21	58	.49	.089	39	55	.66	175	.07	35	1.91	.06	.14	12	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SH 4983	34	7836	19781	26191	199.9	7	157	563	14.82	596	5	4	2	111	189	2268	38	3	1.67	.044	7	1	.01	7	.01	2	.08	.01	.05	3	4820
SH 4984	1	125	68	155	1.4	7	20	931	5.15	9	5	ND	4	128	1	2	2	143	2.15	.177	12	10	1.73	71	.16	7	1.97	.02	.97	1	5
SH 4985	2	517	73	125	1.9	3	13	882	3.01	4	5	ND	6	104	2	2	3	21	2.21	.131	13	5	.17	44	.01	23	.47	.02	.19	2	50
SH 4986	44	5803	3569	2640	124.7	3	1	386	1.25	23	5	ND	1	243	19	288	15	12	5.47	.032	19	3	.16	11	.01	4	.13	.01	.07	1	93
SH 4987	1	1452	92	275	1.6	5	13	849	3.42	9	5	ND	3	132	2	2	2	76	2.42	.153	11	7	1.29	59	.11	2	1.54	.01	.74	1	87
SH 4988	1	82	6	64	.2	98	28	924	5.11	7	5	ND	3	487	2	2	2	124	4.13	.275	38	309	4.00	904	.26	6	2.50	.03	.01	1	13
SH 4989	1	379	5	116	.5	6	30	1207	5.44	13	5	ND	1	148	2	2	2	204	2.97	.306	4	4	2.96	407	.25	2	3.53	.01	2.61	1	40
STD C/AU-R	19	64	40	133	7.3	72	31	1009	4.23	42	22	7	38	49	13	14	20	60	.48	.091	40	54	.93	181	.07	32	2.05	.06	.13	13	520

- ASSAY REQUIRED FOR CORRECT RESULT - for Cu, Pb, Zn > 1%
Ag > 30 ppm
Sb > 1000 ppm.

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 5 1989

DATE REPORT MAILED: Aug. 17/89.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.

SIGNED BY. C. Leong. D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD CORP. FILE # 89-2342R

SAMPLE#	Pb %	Zn %	Ag** OZ/T	Au** OZ/T
SH 4811	1.64	2.53	6.75	.032
SH 4818	-	1.63	-	-
BA 5440	-	4.37	-	-
BA 5451	-	1.56	-	-
BA 5453	-	1.22	-	-
BA 5455	1.18	1.93	-	-
BA 5456	-	1.22	-	-
BA 5457	1.27	3.28	1.44	-
BA 5458	-	3.88	-	-
BA 5459	2.45	6.30	3.69	.032
BA 5461	7.36	1.48	4.63	.076

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 5 1989
DATE REPORT MAILED: Aug. 17/89

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** & AU** BY FIRE ASSAY FROM 1/2 A.T.

SIGNED BY. C. Leong. D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD FILE # 89-2438R

SAMPLE#	ZN %	AG** oz/t	AU** oz/t
BA 5470	1.51	1.04	.163
BA 5473	-	-	.018
SH 4866	-	-	.008
SH 4873	-	-	.012
SH 4885	-	-	.101
SH 4886	-	-	.054
SH 4888	-	-	.027
SH 4894	-	-	.026
SH 4895	-	-	.036
SH 4896	-	-	.038

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 21 1989

DATE REPORT MAILED: Aug. 26/89

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.

SIGNED BY. C. Leong D.TOYE. C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD CORP. FILE # 89-2834R

SAMPLE#	Cu %	Pb %	Zn %	Ag** OZ/T	Au** OZ/T
SK-1	-	-	-	-	.034
SK-2	-	-	-	-	.041
BA 5555	-	-	3.21	1.29	-
BA 5556	-	1.35	4.20	1.59	-
BA 5557	-	-	3.10	-	-
BA 5569	-	-	-	-	.282
BA 5572	-	-	-	-	.053
BA 5578	-	1.08	1.50	5.06	.051
BA 5581	3.89	1.40	-	50.22	-
BA 5582	-	-	-	-	.076
BA 5583	1.47	-	-	-	-
SH 4979	-	-	2.33	-	-
SH 4980	-	-	2.69	-	-
SH 4982	-	-	-	6.09	-
SH 4983	-	2.20	2.55	6.68	.136
SH 4986	-	-	-	3.37	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 21 1989
DATE REPORT MAILED: Aug. 26/89

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.. C. Leong D.TOYE. C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD FILE # 89-3050 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
BA 5612	11678	26	41	11.1	980
BA 5613	243	9	54	.1	10
BA 5614	299	25	278	1.2	6
BA 5615	1275	8	72	1.2	19
BA 5616	2155	102	327	6.4	500
BA 5617	4317	1494	148	78.4	2700
BA 5618	1941	2277	44	52.8	390
BA 5619	479	14	61	.5	95
BA 5620	401	15	67	1.7	86
BA 5621	469	7	73	.2	30
BA 5622	528	7	73	1.3	21
BA 5623	558	7	56	.1	46
BA 5624	502	8	62	.1	39
BA 5625	477	7	30	.4	75
BA 5626	1219	5	59	.1	880
BA 5627	476	4	20	.1	1200
BA 5628	1491	4	26	.2	960
BA 5629	1138	6	31	.2	260
BA 5630	903	3	22	.1	700
BA 5631	465	3	28	.1	300
BA 5632	498	4	32	.1	290
BA 5633	405	5	28	.3	250
BA 5634	699	5	28	.2	360
BA 5635	415	5	35	.2	94
BA 5636	819	7	10	.1	1430
BA 5637	1022	7	21	.4	810
BA 5638	324	6	26	.2	43
BA 5639	253	4	15	.1	30
BA 5640	284	4	30	.2	250
BA 5641	332	4	30	.1	740
BA 5642	447	4	9	.1	720
BA 5643	283	7	16	.1	620
BA 5644	245	5	38	.1	90
BA 5645	308	8	23	.2	380
BA 5646	299	8	51	.1	52
BA 5647	242	4	27	.1	1
STD C/AU-R	64	40	133	7.2	490

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB	
BA 5648	538	8	42	.3	220	
BA 5649	1344	2	34	.6	128	
BA 5650	536	7	39	.4	88	
BA 5651	582	10	40	.2	92	
SH 5104	2061	2	23	3.6	78	start of Road Trench
SH 5105	1873	3	38	.6	23	4+00S N, 0+74E
SH 5106	423	2	128	1.4	1910	B.L.+0+75N (10m grid)
SH 5107	165	3	88	.2	38	
SH 5108	226	2	74	.4	10	STR TRENCH
SH 5109	143	3	87	.1	11	LIN
SH 5110	316	3	72	.4	18	
SH 5111	209	3	70	.3	10	
SH 5112	307	2	91	.4	15	
SH 5113	249	7	83	.3	13	
SH 5114	217	8	86	.4	27	
SH 5115	193	2	91	.2	14	
SH 4995	9298	2	75	5.3	570	Float at N end Star cut
SH 4996	115	14	111	.1	27	Star - clear cut
SH 4997	47	16	24	.2	45	" "
SH 4998	59	8	106	.2	4	
* SH 4999	345	61	8	6	520	Star clear cut, Alt ?
SH 5000	124	49	87	.2	4	Star clear cut 3L+ 2+
GD 10961	5284	44	695	1.6	56	
GD 10962	475	4	44	.6	38	
GD 10963	11312	2266	4510	11.7	15	
GD 10964	150	17	155	.3	10	
GD 10965	37	85	205	.1	3	
GD 10994	209	17	161	.6	6	
GD 10995	520	7	51	.4	19	
GD 10996	518	6	77	.2	17	
GD 10997	467	6	119	.6	15	
GD 10998	119	56	87	.2	4	
GD 10999	469	91	230	.5	2	
STD C/AU-R	56	44	132	6.7	490	

- ASSAY REQUIRED FOR CORRECT RESULT -

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 13 1989 DATE REPORT MAILED: Aug 18/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD CORP., File # 89-2878 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
BA 5584	45	198	111	19	6.2	1	1	22	1.36	7	5	ND	9	35	1	2	10	6	.01	.034	23	10	.01	130	.01	7	.17	.03	.12	1	930
BA 5585	10	31	45	14	4.3	3	1	9	1.71	4	5	ND	9	20	1	2	2	3	.01	.029	6	3	.01	34	.01	2	.20	.04	.13	1	1570
BA 5586	14	944	206	353	2.0	3	9	777	2.54	2	5	ND	11	51	3	2	2	3	1.19	.051	4	13	.34	33	.01	4	.14	.04	.08	1	660
BA 5587	4	176	29	89	.6	3	9	1198	3.04	2	5	ND	6	23	2	2	2	28	.40	.115	11	4	.12	94	.02	7	.41	.03	.22	1	114
BA 5588	1	1120	9	47	1.0	2	10	453	3.62	2	5	ND	8	19	1	2	2	64	.31	.103	10	10	.71	35	.08	5	1.07	.03	.55	1	850
BA 5589	1	1167	9	55	.6	1	9	534	3.17	2	5	ND	8	28	1	2	2	64	.34	.102	10	7	.70	39	.09	2	1.09	.03	.57	1	220
BA 5590	1	135	192	157	.5	2	13	368	2.33	2	5	ND	3	23	1	2	2	39	.31	.119	15	10	.33	60	.03	2	.82	.02	.28	1	310
BA 5591	1	171	8	50	.1	2	11	456	3.97	2	5	ND	4	34	1	2	2	75	.42	.131	13	9	.83	83	.10	10	1.43	.03	.53	1	70
BA 5592	2	188	555	348	.9	3	11	769	2.85	2	5	ND	2	24	5	2	2	31	.25	.113	15	6	.09	72	.01	2	.49	.01	.22	1	310
BA 5593	1	266	336	437	1.2	2	13	697	3.62	2	5	ND	3	25	3	2	2	57	.41	.164	16	10	.41	84	.03	4	.99	.02	.30	1	119
BA 5594	1	259	514	322	2.2	3	11	599	3.12	2	5	ND	3	25	1	2	2	46	.38	.143	15	9	.38	77	.03	2	.93	.02	.29	1	32
BA 5595	1	332	33	144	.7	8	15	682	4.18	2	5	ND	4	42	1	2	2	74	.49	.155	14	22	.98	115	.07	10	1.35	.03	.38	1	77
BA 5596	1	447	42	140	.5	13	16	854	3.90	2	5	ND	4	45	1	2	2	73	.50	.154	16	31	.96	146	.08	2	1.52	.02	.40	1	66
BA 5597	1	214	198	235	.5	3	12	1192	3.61	2	7	ND	7	29	4	2	2	35	.36	.131	18	6	.28	169	.02	2	.84	.02	.24	1	64
BA 5598	3	801	1617	641	.9	4	10	414	3.82	2	6	ND	3	24	3	2	2	42	.19	.119	14	18	.08	78	.01	5	.45	.01	.23	2	119
BA 5599	1	261	190	346	.6	3	12	735	3.30	3	5	ND	5	26	4	2	2	45	.41	.161	16	6	.22	97	.02	3	.86	.02	.35	1	52
BA 5600	2	287	516	580	3.4	3	9	764	3.76	4	5	ND	4	23	5	3	2	27	.39	.154	16	5	.09	91	.01	6	.63	.02	.30	1	39
BA 5606	1	151	335	686	.7	3	11	558	3.23	2	5	ND	2	32	4	2	2	39	.46	.170	17	10	.40	77	.03	6	.88	.02	.34	1	240
BA 5607	1	147	60	167	.4	2	14	396	3.30	2	7	ND	4	40	2	2	2	56	.51	.169	16	7	.65	73	.06	3	1.25	.02	.48	1	105
BA 5608	1	132	7	74	.3	2	11	390	3.53	2	5	ND	4	46	1	2	2	76	.45	.129	9	9	.94	71	.10	8	1.39	.03	.72	1	96
BA 5609	1	132	9	104	.1	3	12	470	3.63	2	5	ND	4	34	1	2	2	67	.42	.137	12	9	.86	73	.09	3	1.34	.03	.61	1	56
BA 5610	1	90	8	52	.1	2	12	345	2.97	2	5	ND	6	26	2	2	2	33	.38	.135	16	5	.25	60	.03	2	.79	.03	.29	1	67
BA 5611	1	183	329	232	.8	2	11	658	3.20	2	5	ND	5	29	2	2	2	50	.33	.122	15	7	.52	66	.03	2	.98	.01	.28	3	360
GD 10983	57	1240	2443	208	30.3	1	1	40	3.23	3	5	ND	5	69	1	3	17	17	.02	.086	24	1	.04	83	.01	2	.38	.01	.30	1	490
GD 10984	22	1491	853	30	55.8	3	1	33	1.28	2	7	ND	2	6	1	2	10	1	.01	.038	70	2	.01	6	.01	2	.03	.01	.02	1	270
GD 10985	14	409	551	69	20.3	2	1	101	1.92	2	5	ND	4	79	1	2	7	9	.04	.061	18	2	.05	62	.01	2	.26	.01	.23	1	530
GD 10986	1	1473	11	144	1.3	6	21	1054	5.39	3	5	ND	1	99	1	4	2	173	1.78	.195	8	10	2.12	262	.24	2	2.58	.02	1.85	1	114
GD 10987	12	4776	14	19	3.7	1	2	644	.67	2	5	ND	1	1436	1	8	13	1	27.67	.002	7	2	.05	141	.01	2	.01	.01	.01	1	770
GD 10988	70	3311	1427	3076	15.7	3	9	1307	2.66	4	5	ND	3	159	12	18	7	34	6.92	.108	18	6	.18	107	.01	4	.23	.01	.17	1	99
GD 10989	388	5441	52	300	9.8	4	12	1717	3.38	14	5	ND	2	275	2	44	13	73	10.21	.115	12	8	1.03	104	.10	2	1.21	.01	.91	1	640
GD 10990	119	4823	301	122	34.0	2	2	304	1.92	2	5	ND	1	108	1	4	14	2	3.68	.010	18	2	.02	57	.01	2	.05	.01	.02	1	520
GD 10991	120	15703	4340	1733	146.9	5	3	96	2.29	28	7	ND	2	15	12	128	34	2	.11	.023	18	3	.01	80	.01	3	.04	.01	.03	1	1440
GD 10992	68	7168	154	161	9.6	2	3	959	1.40	9	5	ND	1	737	3	49	16	4	19.73	.006	12	4	.19	20	.01	2	.01	.01	.01	1	650
GD 10993	4	584	46	36	2.6	7	1	153	.35	2	5	ND	1	5	1	2	2	3	.06	.007	11	6	.01	6	.01	3	.04	.01	.03	1	34
GD 10994	4	1079	40	141	1.6	3	11	863	2.84	2	5	ND	5	73	1	2	2	29	1.83	.139	17	7	.40	75	.05	6	.63	.02	.32	1	52
GD 10995	1	33	10	69	.1	5	13	500	4.45	6	5	ND	4	30	1	2	2	107	.44	.190	38	10	1.26	96	.15	2	1.62	.03	.96	3	6
STD C/AU-R	17	61	42	132	6.7	69	31	1007	4.15	36	22	7	38	49	18	14	21	59	.47	.090	40	55	.83	179	.07	35	1.94	.06	.13	11	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
GD 11002	10	27	435	9	4.6	4	1	45	.70	2	5	ND	1	4	1	2	2	1	.04	.004	2	4	.01	10	.01	2	.02	.01	.05	2	370
GD 11003	3	162	52	156	.5	3	10	786	3.88	4	5	ND	4	70	2	2	2	21	1.66	.145	12	4	.23	78	.02	2	.46	.02	.26	4	22
SH 4990	7	87	15	21	.7	4	1	24	1.50	4	5	ND	8	10	1	2	2	4	.02	.023	6	3	.01	28	.01	4	.19	.03	.10	2	149
SH 4991	1	1142	7	37	1.1	2	6	223	3.45	2	7	ND	10	24	1	2	3	34	.22	.059	12	2	.22	24	.04	10	.61	.03	.26	1	3220
SH 4992	52	3425	7060	197	83.9	2	4	96	7.29	259	10	3	2	87	1	952	7	45	.05	.144	33	9	.13	123	.06	6	.43	.01	.25	1	3290
SH 4993	1	110	26	103	.2	3	10	992	3.00	4	5	ND	5	37	1	2	2	37	1.23	.154	13	6	.72	53	.06	2	.94	.01	.43	1	16
SH 4994	5	419	993	73	26.8	5	2	36	2.95	2	5	ND	1	3	1	2	3	21	.01	.027	2	39	.01	23	.01	2	.09	.01	.05	2	4110
STD C/AU-R	17	64	41	133	6.8	71	30	1009	4.25	43	20	7	37	48	18	14	20	58	.50	.096	38	55	.86	174	.07	32	2.08	.06	.14	12	510

- ASSAY REQUIRED FOR CORRECT RESULT - for Cu > 1%
Ag > 30 ppm

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 23 1989
DATE REPORT MAILED: Aug. 29/89

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.. C. Leong. D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD FILE # 89-3124 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
BA 5652	178	9	78	.1	8
BA 5653	122	9	84	.2	12
BA 5654	179	13	90	.2	47
BA 5655	545	6	87	.3	14
BA 5656	172	8	70	.2	80
BA 5657	77	5	68	.1	7
BA 5658	351	9	74	.3	15
BA 5659	118	5	78	.1	6
BA 5660	223	4	72	.2	38
BA 5661	213	4	74	.1	16
BA 5662	1616	2	100	1.2	58
BA 5663	564	4	65	.5	175
BA 5664	702	11	43	1.8	176
BA 5665	543	7	56	.4	52
BA 5666	855	4	45	.8	5830
BA 5667	388	3	40	.4	250
BA 5668	554	10	59	.7	157
BA 5669	581	15	51	.6	132
BA 5670	457	5	49	.7	99
BA 5671	539	4	58	.5	70
BA 5672	526	9	43	1.0	390
BA 5673	369	12	50	.4	56
BA 5674	228	5	68	.3	19
BA 5675	188	8	62	.2	13
BA 5676	232	3	51	.4	520
BA 5677	189	8	47	.1	4
BA 5678	402	8	50	.3	47
BA 5679	430	5	44	.9	116
BA 5680	181	11	47	.2	5
BA 5681	238	7	52	.3	10
BA 5682	139	12	59	.2	4
BA 5683	112	9	51	.3	8
BA 5684	414	8	69	.6	12
BA 5685	70	12	92	.2	3
BA 5686	156	9	47	.3	13
BA 5687	25320	10	117	13.4	860
STD C/AU-R	62	41	132	7.1	480

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
BA 5688	14197	12	137	9.3	540
BA 5689	639	12	80	.6	54
BA 5690	2085	17	81	1.7	55
BA 5691	924	3	64	.8	115
BA 5692	1336	8	115	1.2	22
BA 5693	853	12	100	.9	83
BA 5694	589	9	82	.3	39
BA 5695	1390	52	192	1.6	410
BA 5696	1624	9	78	6.4	450
BA 5697	2436	8	79	11.5	830
BA 5698	855	6	48	.6	55
BA 5699	3384	2	51	3.8	49
BA 8901	5479	5	124	10.9	490
BA 8902	1697	10	102	4.2	84
BA 8903	515	10	61	.5	13
BA 8904	252	6	47	.3	21
BA 8905	576	8	54	.9	23
BA 8906	243	5	48	.4	4
BA 8907	348	8	62	.5	8
BA 8908	248	7	53	.1	100
BA 8909	1023	10	67	1.0	960
BA 8910	327	8	56	.1	7
SH 5116	1754	8	17	2.8	220
SH 5117	1510	16	23	3.6	97
GD 10966	2664	9	141	3.0	18
5021	4974	112	89	27.1	1820
STD C/AU-R	64	38	133	6.7	510

* ASSAY REQUIRED FOR CORRECT RESULT for Cu > 1%.

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 28 1989
DATE REPORT MAILED: Sept. 1/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.. C. Leong D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD FILE # 89-3246 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 5118	459	16	101	.4	132
SH 5119	184	5	102	.1	23
SH 5120	148	6	93	.2	25
SH 5122	214	6	97	.1	33
SH 5123	151	4	94	.2	15
SH 5124	159	6	92	.1	16
SH 5125	214	7	101	.1	101
SH 5128	231	6	91	.2	24
SH 5129	235	6	92	.2	45
SH 5130	190	6	95	.2	12
SH 5131	231	4	78	.1	18
SH 5132	248	8	89	.2	14
SH 5133	615	9	88	1.4	36
SH 5134	372	9	95	.4	18
SH 5135	219	13	93	.1	21
SH 5136	201	8	99	.1	15
SH 5137	370	16	108	.1	16
SH 5138	312	24	89	.3	42
SH 5139	623	7	101	1.3	73
SH 5140	247	9	105	.3	14
SH 5141	288	8	93	.1	19
SH 5142	163	7	89	.1	15
SH 5143	165	8	86	.1	8
SH 5144	270	5	96	.1	17
SH 5145	280	9	106	.1	11
SH 5146	314	11	97	.4	23
SH 5147	353	9	101	.3	32
SH 5148	219	14	130	.3	35
SH 5149	470	28	142	.7	45
SH 5150	736	265	352	3.9	350
SH 5151	1525	126	118	3.6	410
SH 5152	436	10	131	.3	43
SH 5153	481	15	128	1.2	39
SH 5154	566	8	110	1.5	92
SH 5155	205	12	124	.4	37
SH 5156	258	10	105	.2	20
STD C/AU-R	62	40	132	7.0	480

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 5157	235	15	98	.4	21
SH 5158	283	8	86	.5	54
SH 5159	499	4	82	2.3	59
SH 5160	162	9	88	.3	8
SH 5161	229	10	96	.4	41
SH 5162	154	6	85	.1	20
SH 5163	581	5	87	1.4	39
BA 8915	469	4	61	.1	70
BA 8916	2077	8	58	6.3	480
BA 8917	1396	6	80	2.1	5680
BA 8918	254	3	68	.9	133
STD C/AU-R	58	42	132	6.6	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
LA-100	2	82	4	38	.1	72	30	475	6.70	6	5	ND	4	177	1	2	2	198	2.10	.392	75	174	2.72	1815	.19	2	2.40	.08	1.65	1	14

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 29 1989

DATE REPORT MAILED: Sept. 7/89

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** & AU** BY FIRE ASSAY FROM 1/2 A.T.

SIGNED BY. C. Leong, D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD FILE # 89-3050R

SAMPLE#	CU %	AG** oz/t	AU** oz/t
BA 5612	1.21	-	-
BA 5617	-	2.65	.088
BA 5618	-	1.74	-
BA 5627	-	-	.052
BA 5636	-	-	.042
SH 5106	-	-	.058
GD 10963	1.25	-	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 29 1989

DATE REPORT MAILED: Sept. 1/89.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU - 10 GM REGULAR ASSAY.

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD CORP., FILE # 89-2878R

SAMPLE#	CU %	AG oz/t	AU oz/t
BA 5585	-	-	.018
GD 10983	-	.89	-
GD 10984	-	2.00	-
GD 10990	-	1.10	-
GD 10991	1.84	4.71	.056
SH 4991	-	-	.060
SH 4992	-	2.59	.111
SH 4994	-	-	.152

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 6 1989

DATE REPORT MAILED: Sept. 12, 1989

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.. D. Toye D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Pacific Sentinel Gold Corp. FILE # 89-3465

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
GD 10967	587	53	202	3.2	210

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: SEP 12 1989
DATE REPORT MAILED: Sept. 21/89.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AU** BY FIRE ASSAY FROM 1/2 A.T.

SIGNED BY..... D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD FILE # 89-3124R

SAMPLE#	CU %	AU** oz/t
BA 5666	-	.039
BA 5687	2.56	-
BA 5688	1.41	-
5021	-	.056

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604) 253-3158 FAX(604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 14 1989 -DATE REPORT MAILED: Sept 19/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Pacific Sentinel Gold Corp. File # 89-3663

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
BIG GASP #2	2	9	15	25	.1	2	1	322	.86	2	5	ND	3	9	1	2	2	9	.18	.014	4	3	.09	172	.01	19	.47	.02	.13	1	2
BIG GASP #3	1	6	9	28	.1	2	3	136	1.45	5	5	ND	6	12	1	2	2	16	.09	.034	3	22	.05	45	.01	10	.51	.02	.09	1	1
BIG GASP #4	2	1	5	4	.1	4	1	86	.30	3	5	ND	1	6	1	2	2	3	.02	.004	2	4	.01	30	.01	8	.18	.01	.09	1	89
BIG GASP #5	4	4	10	18	.2	2	1	254	.71	4	5	ND	3	18	1	2	2	4	.03	.015	2	25	.01	454	.01	2	.29	.02	.14	1	2
BIG GASP #6	1	3	13	38	.1	4	2	465	1.21	2	5	ND	4	90	1	2	2	10	.32	.020	9	3	.17	44	.03	13	.75	.03	.08	1	4
BIG GASP #7	1	3	28	70	.1	2	2	545	1.46	2	5	ND	4	181	1	2	2	17	.60	.027	8	21	.25	59	.05	5	1.09	.03	.07	1	2
BIG GASP #8	1	2	11	33	.1	2	1	164	.71	2	5	ND	5	12	1	2	2	5	.03	.008	6	4	.02	62	.01	2	.29	.03	.07	1	3
BIG GASP #9	1	4	4	9	.1	4	1	164	.26	2	5	ND	1	19	1	2	2	3	1.11	.001	2	41	.01	28	.01	30	.22	.02	.06	1	2
BIG GASP #10	2	19	4	29	.1	31	7	206	2.24	2	5	ND	1	4	1	2	2	51	.08	.042	4	55	.85	7	.01	5	1.05	.01	.04	1	4
BIG GASP #11	2	6	10	19	.2	4	3	351	1.13	5	5	ND	6	18	1	2	2	11	.11	.023	6	33	.03	89	.01	9	.37	.01	.14	1	1
STD C/AU-R	18	63	44	130	6.8	67	31	1006	4.08	43	22	7	38	49	18	15	21	59	.49	.092	39	55	.89	174	.07	36	2.03	.06	.13	11	520

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAY 25 1989 DATE REPORT MAILED: May 29/89 SIGNED BY C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

CONTINENTAL GOLD CORP. File # 89-1211

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	
3866	1	66	7	55	.6	4	8	1191	3.68	4	5	ND	8	60	1	2	2	42	1.20	.096	11	7	.39	93	.03	4	.68	.04	.29	3	250	ALMA N
3867	1	2240	15	104	2.5	8	15	828	4.08	2	5	ND	1	70	1	2	5	110	.63	.146	10	11	1.50	56	.12	7	1.85	.04	.73	1	180	CLEARCUT TRENCH
3868	5	2215	12	117	5.1	6	3	1486	3.93	5	5	ND	2	161	1	22	2	14	5.62	.007	8	20	1.77	12	.01	9	.12	.01	.05	1	1080	STAR
3869	365	6171	1162	2748	19.6	3	13	1243	2.35	712	5	ND	2	175	22	428	2	11	10.29	.055	11	3	.11	14	.01	4	.21	.01	.13	1	1050	EUREKA ADIT
3744	66	60	386	258	80.3✓	26	55	47	12.01	2	5	51	2	7	6	2	15	28	.08	.029	2	28	.04	8	.01	5	.29	.01	.21	1	55000	ALMA N
3745	9	135	38	95	1.1	4	8	1079	2.37	22	5	ND	9	37	1	3	2	10	.37	.071	9	3	.03	69	.01	4	.33	.03	.24	1	260	ALMA N
3746	2	83	8	95	.9	5	15	859	4.24	2	5	ND	4	46	1	2	2	58	7.31	.136	14	10	.67	83	.09	3	1.07	.03	.72	1	270	TRENCH CLCUT
3747	12	14011✓	5	108	8.2	8	19	200	4.69	2	5	ND	6	19	1	2	2	83	.32	.112	19	5	1.52	62	.11	2	1.78	.04	1.03	1	34	TRENCH CLCUT
3748	5	523	145	85	4.5	5	14	125	4.23	6	5	ND	4	33	1	2	2	25	.30	.129	11	6	.11	38	.01	4	.56	.01	.33	1	760	STAR I
3749	19	948	941	283	25.6	4	6	585	2.02	2	5	ND	5	16	1	2	2	43	.22	.091	18	8	.63	23	.01	7	.67	.01	.18	2	1670	DSI STAR
3750	4	1451	630	124	32.8✓	2	3	190	2.20	5	5	ND	6	18	1	2	3	29	.12	.090	11	8	.16	29	.01	4	.42	.01	.22	2	1620	DSI STAR
3751	11	22631✓	13	33	6.8	2	5	61	3.28	2	5	6	13	10	1	2	38	3	.11	.043	11	2	.02	23	.01	5	.42	.06	.19	1	9000	EUREKA
3752	5	13949✓	221	44	15.6	5	3	1003	1.89	2	5	ND	1	391	1	2	8	1	5.21	.002	8	21	.03	4	.01	2	.03	.01	.03	1	960	EUREKA
3753	1	2719	9	270	4.3	4	8	416	3.01	4	5	ND	5	55	1	2	2	56	1.68	.101	9	4	.59	64	.07	5	.95	.01	.70	2	142	EUREKA
3754	1	113	9	108	1.3	6	12	787	5.85	8	5	ND	7	102	1	3	2	48	3.95	.119	9	9	.51	51	.10	6	1.18	.02	.83	2	270	EUREKA
3755	36	248	66	39	8.2	3	10	1807	3.19	3	5	8	1	2125	2	2	22	7	7.33	.041	2	3	.51	14	.01	2	.51	.01	.09	1	13910	EUREKA
3756	3	109	9	87	.6	8	23	1597	4.51	2	5	ND	3	328	1	2	2	87	5.65	.153	6	12	1.87	48	.09	2	1.97	.01	.66	1	2210	GRANITE PORP
3757	1	5958	14	25	5.0	4	7	229	4.13	4	9	ND	35	42	1	2	13	64	.23	.009	7	2	.16	23	.04	9	.35	.34	.19	2	740	A CRC
STD C/AU-R	17	60	44	132	8.0	73	30	950	4.19	41	16	7	39	50	17	15	20	59	.53	.091	39	55	.90	176	.07	37	1.97	.06	.16	13	495	

✓ ASSAY REQUIRED FOR CORRECT RESULT -

MAY 29

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
TN 5001	12	71	76	26	1.5	9	12	121	4.14	77	5	ND	1	11	1	2	12	10	.01	.028	5	5	.01	34	.01	2	.06	.01	.06	1	90
TN 5002	1	166	18	149	.3	16	26	1552	5.65	10	5	ND	3	433	1	2	21	61	5.29	.158	7	30	1.97	87	.07	5	.83	.02	.55	1	8
TN 5003	8	154	35	72	1.2	15	23	1621	4.14	16	5	ND	3	453	1	3	10	66	6.80	.140	4	13	1.20	68	.08	16	1.41	.03	.49	1	29
TN 5004	2	169	33	76	.5	35	48	1275	5.81	113	5	ND	1	55	1	3	2	23	.87	.200	4	8	.08	96	.01	8	.64	.01	.35	1	240
TN 5005	1	1108	150	148	1.6	25	33	1660	6.95	16	5	ND	3	137	1	2	12	83	5.19	.155	8	12	.69	70	.05	3	.81	.02	.41	1	66
TN 5006	1	230	6	51	.6	16	38	1213	5.20	89	5	3	1	242	1	2	13	25	5.75	.103	2	3	1.19	46	.01	2	.26	.02	.15	1	5580
TN 5007	3	811	54	97	1.4	19	53	1359	4.33	16	5	ND	1	277	1	2	2	30	4.30	.109	4	13	1.54	64	.01	3	.41	.01	.26	1	70
TN 5008	3	142	48	172	1.2	23	23	1319	5.14	41	5	ND	2	210	1	2	2	47	5.70	.136	3	20	.95	57	.01	7	.29	.02	.17	1	126
TN 5009	1	254	21	97	.4	13	27	1522	4.42	3	5	ND	1	290	1	2	2	42	5.95	.141	4	5	1.55	101	.01	13	.20	.02	.09	1	27
TN 5010	14	247	1208	2573	3.1	6	11	1082	4.73	31	5	ND	1	96	17	2	2	20	2.05	.176	5	2	.61	42	.01	4	.17	.01	.18	1	149
TN 5011	6	142	15525	3396	33.0	14	30	1146	9.25	48	5	ND	2	20	21	15	2	20	.45	.174	5	3	.03	22	.01	12	.20	.01	.14	1	340
TN 5012	9	380	2005	738	11.6	4	7	228	6.80	35	5	ND	1	138	2	2	26	22	.17	.208	7	3	.01	133	.01	7	.27	.02	.28	1	860
TN 5013	7	291	70	30178	3.2	23	18	9480	4.33	134	5	ND	2	360	141	6	2	39	13.58	.051	2	22	4.96	26	.01	2	.19	.01	.11	1	68
TN 5014	2	242	19	108	.1	70	34	816	3.03	7	5	ND	1	91	1	2	2	89	.98	.129	6	155	1.39	137	.22	8	1.76	.02	.83	1	31
TN 5015	1	40	21	33	.4	5	9	819	2.01	2	5	ND	1	101	1	2	2	8	2.34	.090	5	4	.12	175	.01	4	.34	.02	.19	1	94
TN 5016	2	86	217	774	2.5	16	11	27210	5.69	166	5	ND	2	227	3	2	13	15	10.35	.026	2	11	2.93	22	.01	2	.13	.01	.09	1	390
TN 5017	1	66	1485	2613	7.3	60	39	12168	5.44	428	5	ND	2	209	13	2	2	12	6.62	.100	2	15	1.51	59	.01	18	.32	.01	.22	1	560
TN 5018	2	39	427	12528	7.0	14	9	30320	4.81	49	13	ND	3	268	50	2	22	5	15.40	.012	2	3	4.67	25	.01	2	.05	.01	.03	1	61
TN 5019	1	17	8247	38797	21.2	27	9	19601	4.00	62	5	ND	3	280	140	9	2	4	16.04	.008	2	3	5.74	17	.01	7	.03	.01	.02	3	280
TN 5020	2	23	415	2903	2.0	16	13	26672	4.80	77	5	ND	1	253	9	2	17	7	12.44	.041	2	4	3.50	47	.01	2	.15	.01	.10	1	127
BA 5400	7	348	29	52	.6	24	31	180	6.58	31	5	ND	1	37	1	3	2	160	.43	.163	4	31	.61	40	.07	2	1.54	.02	.49	1	91
BA 5401	2	6	8	108	.1	5	1	277	.57	2	5	ND	1	5	1	2	2	1	.09	.004	2	8	.03	5	.01	2	.02	.01	.01	4	6
BA 5402	7	177	97	1644	1.5	52	60	5862	6.25	13	5	ND	1	244	12	2	2	17	4.57	.111	2	9	1.39	15	.01	3	.22	.01	.16	1	350
BA 5437	2	212	11459	46475	175.0	70	15	20476	5.51	64	5	30	1	181	306	12	2	7	10.18	.034	2	10	3.69	24	.01	3	.11	.01	.06	2	32800
BA 5438	4	580	26917	32749	212.5	31	9	1423	2.18	15	5	ND	1	16	231	104	18	1	.33	.003	2	12	.16	8	.01	2	.02	.01	.01	1	2630
SH 4806	16	58	1969	321	9.7	7	4	91	2.58	16	5	ND	1	6	1	2	2	9	.02	.015	2	12	.02	56	.12	9	.04	.01	.03	5	280
SH 4807	2	99999	160	105	179.8	12	7	163	1.35	2	5	ND	1	13	1	2	4	9	.10	.007	2	12	.34	49	.01	2	.33	.01	.02	1	1110
SH 4808	39	1777	524	1284	21.9	23	20	578	4.72	30	5	ND	1	9	8	2	11	5	.30	.008	3	10	.14	26	.07	4	.12	.01	.01	3	980
STD C/AU-R	19	63	42	135	6.6	69	31	1003	3.97	45	17	7	36	50	19	14	18	61	.52	.090	40	55	.88	182	.07	35	1.97	.06	.13	11	480

✓ - ASSAY REQUIRED FOR CORRECT RESULT -

JULY 18

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SH 4809	1	1075	6578	8653	8.6	9	19	1517	2.56	56	5	ND	3	64	44	3	2	26	.83	.262	8	10	.10	79	.01	2	.43	.04	.18	1	126
SH 4810	2	199	35	83	.7	59	26	1645	4.40	7	5	ND	2	24	1	2	2	19	1.01	.193	11	141	.07	230	.01	5	.45	.02	.24	2	19
SH 4811	8	2328	16425	22944	238.9	20	5	67734	3.67	101	5	ND	5	113	153	60	4	5	7.66	.028	2	12	2.17	37	.01	8	.06	.01	.05	3	1090
SH 4812	29	232	186	353	5.4	18	40	2578	8.78	31	5	ND	1	107	2	2	2	11	4.25	.047	2	6	2.10	11	.01	2	.11	.01	.10	1	230
SH 4813	1	188	159	288	2.4	15	18	1811	4.88	12	5	ND	2	56	2	2	2	76	1.11	.213	6	11	.22	62	.02	3	.30	.02	.16	1	50
SH 4814	3	6925	119	911	2.5	9	5	331	2.48	6	5	ND	1	2	5	2	2	22	.02	.007	2	7	.01	18	.01	2	.02	.01	.01	2	48
SH 4815	1	453	13	91	.7	20	12	975	4.99	18	5	ND	1	249	1	2	2	49	3.41	.177	6	25	1.15	71	.01	2	.23	.02	.16	1	29
SH 4816	1	117	12	135	.3	25	23	1591	6.39	18	5	ND	1	94	1	2	2	107	2.42	.116	4	54	2.50	152	.15	2	2.33	.01	.41	1	4
SH 4817	2	38	26	510	.5	23	12	6121	3.05	10	5	ND	2	47	2	3	2	12	2.82	.126	14	11	.16	168	.01	2	.46	.01	.29	1	5
SH 4818	2	21	2510	14641	5.8	22	8	23919	3.51	33	7	ND	1	260	56	3	2	7	11.84	.032	2	8	3.69	22	.01	2	.08	.01	.06	6	67
SH 4819	1	13	55	338	.3	6	13	3275	3.40	12	5	ND	2	103	1	2	2	25	2.89	.211	5	9	.54	50	.01	11	.22	.03	.12	1	31
SH 4820	1	155	25	168	.3	10	16	1560	4.58	7	5	ND	2	202	1	2	2	22	4.62	.193	6	5	.80	51	.01	5	.28	.01	.20	1	40
SH 4821	1	174	13	111	.5	30	31	1432	4.92	34	5	ND	1	140	1	3	3	43	2.72	.171	5	27	.87	102	.07	6	.83	.02	.57	1	107
SH 4822	1	206	23	67	.4	15	18	1371	3.81	37	5	ND	1	205	1	2	2	30	3.70	.129	4	12	.71	72	.04	2	.54	.02	.33	1	39
SH 4823	1	17	23	307	.1	7	10	6477	4.85	27	5	ND	2	197	1	2	2	53	2.67	.241	8	2	.31	47	.01	2	.25	.04	.13	1	8
SH 4824	1	6	7	176	.1	5	4	1754	2.32	9	5	ND	3	87	1	2	2	30	.72	.285	10	1	.04	68	.02	2	.37	.02	.21	1	3
SH 4825	1	261	20	128	.3	17	26	1777	5.96	12	5	ND	2	50	1	5	3	33	1.53	.192	9	20	.11	124	.01	14	.49	.02	.24	1	5
SH 4826	1	107	3	84	.3	17	25	1520	4.02	11	5	ND	2	74	1	2	2	29	.92	.180	7	9	.42	101	.06	6	.82	.01	.45	1	12
SH 4827	1	156	5	68	.3	11	15	1473	5.10	14	5	ND	2	277	1	2	2	32	5.28	.162	6	15	1.58	61	.01	2	.34	.01	.24	1	12
SH 4828	1	57	7	76	.2	13	20	1331	4.01	13	5	ND	2	285	1	2	2	23	4.52	.163	3	14	1.73	68	.02	2	.40	.01	.30	1	11
SH 4829	1	15	13	124	.2	23	22	1341	5.09	19	5	ND	2	96	1	2	2	47	3.24	.180	8	27	.81	156	.07	16	1.10	.02	.52	1	4
SH 4830	2	368	13	72	.5	17	19	1768	4.63	8	5	ND	1	76	1	2	3	30	2.11	.132	5	11	.29	86	.01	2	.30	.01	.15	1	14
SH 4831	1	655	12	106	1.1	12	21	2149	5.34	7	5	ND	1	208	1	2	2	34	4.96	.180	4	10	1.34	85	.01	14	.31	.02	.20	1	19
SH 4832	1	24	49	138	.3	13	20	3081	5.47	14	5	ND	2	151	1	4	2	57	4.91	.176	6	10	1.33	82	.03	8	.54	.02	.36	1	5
SH 4833	1	246	10	94	.3	6	17	1769	5.21	7	5	ND	3	353	1	5	2	22	3.79	.209	12	1	1.15	84	.01	7	.46	.01	.30	1	24
SH 4834	3	79	14	146	.5	31	29	3092	7.00	54	5	ND	1	83	1	2	2	23	2.01	.171	3	8	.49	54	.01	2	.25	.02	.09	1	96
SH 4835	1	149	10	117	.3	21	15	1536	4.61	10	5	ND	1	214	1	2	2	57	4.86	.138	3	21	1.68	31	.06	13	.75	.02	.50	1	19
SH 4836	1	212	6	138	.4	24	24	1509	6.04	14	5	ND	2	132	1	2	2	51	2.82	.185	4	24	.49	72	.01	2	.48	.01	.28	2	58
BA 5439	1	205	18	3473	.7	32	32	2791	6.48	20	5	ND	1	38	22	10	2	31	1.64	.130	6	50	.29	264	.01	2	.55	.01	.31	1	11
BA 5440	1	90	232	43375	1.8	18	23	6016	3.71	166	5	ND	1	95	247	2	2	16	2.54	.120	2	10	.79	46	.01	2	.27	.01	.20	4	58
BA 5441	1	9	9	416	.2	161	15	1721	5.36	8	5	ND	1	195	3	2	2	211	4.80	.105	3	381	4.45	223	.24	2	4.41	.01	2.37	5	18
BA 5442	28	18	14	231	.2	121	38	2118	4.76	10	5	ND	1	184	2	2	2	118	6.77	.091	3	173	2.55	80	.05	2	1.26	.01	.53	1	81
BA 5443	1	18	13	219	.3	150	45	1720	6.98	29	5	ND	1	18	2	2	2	231	.41	.122	3	429	4.55	165	.19	4	4.17	.01	1.25	1	109
BA 5444	1	18	14	191	.4	136	29	1978	7.44	28	5	ND	1	11	2	2	2	193	.22	.111	4	331	4.57	166	.13	2	4.34	.01	.57	1	64
BA 5445	1	66	13	100	.2	120	33	584	6.94	7	5	ND	1	13	2	2	2	132	.25	.116	6	219	4.00	57	.03	2	3.90	.01	.39	1	22
BA 5446	1	242	29	1671	1.1	49	27	5591	6.55	24	5	ND	1	71	10	2	2	90	3.97	.121	4	119	2.36	246	.09	2	2.25	.01	.65	1	29
STD C/AU-R	18	58	45	134	7.1	66	29	1029	3.74	42	22	7	36	47	18	14	19	58	.44	.095	37	55	.91	175	.07	34	1.93	.06	.13	11	520

PACIFIC SENTINEL GOLD CORP. FILE # 89-2342

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
BA 5447	1	361	8	962	1.0	52	27	3589	7.21	25	5	ND	1	62	4	4	2	136	4.64	.108	4	151	2.56	223	.08	2	3.05	.01	.43	1	18
BA 5448	1	250	9	702	1.0	30	27	2894	6.94	25	5	ND	1	59	4	3	2	71	4.12	.113	5	53	1.93	168	.01	2	2.18	.01	.21	1	31
BA 5449	1	114	11	286	.6	27	23	3305	5.83	27	5	ND	1	145	1	5	2	30	4.74	.103	4	46	2.00	69	.01	2	.72	.01	.19	1	35
BA 5450	1	68	268	3179	2.0	79	30	6624	5.64	75	5	ND	1	204	16	3	2	14	13.38	.050	2	13	4.52	46	.01	2	.14	.01	.07	1	30
BA 5451	1	116	1003	14488	5.1	29	7	20334	4.08	41	5	ND	1	194	90	2	3	6	15.99	.020	2	19	6.17	57	.01	2	.05	.01	.02	2	62
BA 5452	1	108	663	9868	5.5	36	11	29695	7.04	58	5	ND	1	236	63	2	4	6	14.56	.015	3	9	4.28	24	.01	2	.04	.01	.01	4	168
BA 5453	3	516	386	11451	5.4	35	9	22304	5.69	55	5	ND	1	204	74	6	2	9	16.03	.015	3	13	5.44	35	.01	2	.02	.01	.01	3	155
BA 5454	1	111	805	3798	5.8	38	22	8872	5.05	44	5	ND	1	153	25	9	2	10	8.98	.067	2	10	3.14	24	.01	2	.18	.01	.10	1	58
BA 5455	4	252	12467	16980	28.9	25	7	24370	5.10	119	5	ND	1	194	97	23	6	7	15.95	.012	3	13	5.24	28	.01	2	.03	.01	.01	2	310
BA 5456	1	142	3084	11252	9.6	57	26	16991	7.18	85	5	ND	1	220	73	7	2	12	11.39	.046	3	20	3.83	11	.01	2	.10	.01	.06	2	200
BA 5457	8	2289	13417	31340	68.5	39	11	24575	5.53	147	5	ND	1	202	246	90	60	5	15.22	.011	3	13	5.05	37	.01	2	.02	.01	.01	3	460
BA 5458	6	594	9350	38026	23.9	51	19	9471	9.96	157	5	ND	1	78	239	19	3	6	4.35	.026	2	16	1.66	8	.01	7	.08	.01	.04	1	490
BA 5459	4	2976	26252	59330	142.5	39	14	13125	3.61	116	5	ND	1	134	431	195	72	4	8.38	.007	2	1	2.77	37	.01	4	.01	.01	.01	3	1470
BA 5460	1	496	100	701	2.0	44	28	10993	4.83	62	5	ND	1	194	4	4	2	17	7.13	.131	2	5	2.27	29	.01	2	.28	.01	.15	1	41
BA 5461	2	1016	23925	15136	163.5	88	10	1645	4.04	116	5	3	1	22	116	123	157	1	1.18	.004	2	11	.50	13	.01	7	.01	.01	.01	2	8650
BA 5462	12	47	173	191	1.3	3	1	76	4.24	62	5	ND	3	4	1	15	2	7	.03	.037	10	3	.02	24	.01	6	.16	.01	.07	1	28
BA 5463	22	138	261	397	1.7	3	6	124	7.09	22	5	ND	1	12	1	5	2	9	.05	.096	10	8	.04	51	.01	3	.37	.01	.13	1	24
BA 5464	7	130	72	131	.2	16	7	344	8.52	16	5	ND	2	30	1	2	3	96	.10	.146	10	26	1.02	90	.04	2	1.78	.01	.24	2	13
BA 5465	1	357	528	346	2.5	18	24	3439	5.82	24	5	ND	1	268	2	5	2	54	8.30	.157	5	16	1.72	78	.06	2	.64	.01	.34	1	9
BA 5466	1	22	21	56	.1	4	12	1456	2.17	8	5	ND	2	17	1	2	2	9	.25	.083	16	5	.07	63	.01	5	.43	.01	.15	1	4
BA 5467	1	10	18	61	.1	3	6	1083	2.15	9	5	ND	3	24	1	2	2	9	1.85	.086	16	5	.06	140	.01	5	.41	.01	.13	2	33
BA 5468	1	238	11	79	.5	49	26	1528	5.36	19	5	ND	1	261	1	2	2	54	8.42	.125	4	50	2.60	29	.01	2	.17	.01	.10	1	62
BA 5469	1	29	29	95	.1	15	24	1508	4.90	10	5	ND	1	346	1	3	2	45	6.72	.140	3	10	1.48	105	.05	2	.56	.01	.31	1	32
STD C/AU-R	17	63	38	123	7.2	67	29	1015	3.82	40	19	6	36	47	17	15	22	60	.47	.086	38	52	.91	173	.07	37	1.87	.06	.14	12	515

- ASSAY REQUIRED FOR CORRECT RESULT for Pb, Zn, > 1%
Ag > 30 ppm.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 25 1989 DATE REPORT MAILED: Aug 1/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD File # 89-2438 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
BA 5470	5	185	1935	12743	33.6	56	15	17168	6.51	77	8	4	1	99	71	8	3	7	6.25	.050	2	6	2.86	15	.01	2	.11	.01	.07	17	6640
BA 5471	4	52	22	57	.6	44	22	1272	4.31	4	5	ND	1	248	1	2	2	13	4.05	.122	2	8	1.72	31	.01	2	.21	.01	.14	3	169
BA 5472	5	168	35	779	1.5	7	11	1318	5.68	83	5	ND	1	75	4	14	2	11	1.36	.097	2	8	.54	24	.01	2	.63	.01	.15	1	360
BA 5473	30	29	12	28	1.2	23	16	975	4.15	18	5	ND	1	174	1	2	2	11	2.85	.079	2	10	1.30	32	.01	7	.41	.01	.09	1	600
SH 4837	1	16	8	97	.1	23	25	1457	5.06	7	5	ND	1	28	1	2	3	52	.63	.163	8	21	.20	82	.04	7	.80	.02	.24	1	2
SH 4838	1	77	11	158	.2	31	24	1997	5.38	5	5	ND	1	38	1	3	2	61	1.28	.148	7	27	.47	57	.02	13	.93	.02	.23	1	10
SH 4839	1	241	15	151	.4	36	24	3523	6.10	13	5	ND	2	64	1	2	3	49	.57	.179	18	28	.50	286	.05	5	.76	.04	.25	1	10
SH 4840	1	285	16	105	.6	11	24	2658	4.86	21	5	ND	2	32	1	2	2	41	.48	.194	6	3	.13	70	.01	2	.52	.01	.23	1	32
SH 4841	1	204	11	126	.4	14	19	3229	5.25	31	5	ND	2	36	1	2	2	48	.48	.191	8	4	.31	90	.04	6	.75	.01	.31	1	48
SH 4842	1	46	9	151	.2	11	15	3962	5.29	5	5	ND	2	40	1	3	2	54	.45	.217	10	3	.46	59	.07	6	1.11	.02	.43	1	76
SH 4843	1	234	15	128	.5	9	17	3710	5.14	2	5	ND	1	79	1	2	2	46	1.83	.188	6	4	.37	43	.02	3	.60	.01	.26	1	31
SH 4844	1	101	7	140	.2	13	18	4159	5.52	7	5	ND	2	54	1	2	2	161	.74	.232	10	2	.21	75	.01	2	.74	.02	.29	2	135
SH 4845	1	294	12	434	.6	10	15	3405	5.07	9	5	ND	2	53	3	2	2	47	.79	.212	9	4	.26	112	.02	11	.72	.02	.23	1	66
SH 4846	1	84	7	550	.2	10	12	2444	4.31	6	5	ND	2	45	4	2	2	22	.71	.196	9	2	.12	117	.01	2	.52	.01	.24	1	29
SH 4847	1	151	23	990	.4	11	14	2603	4.26	8	5	ND	1	74	7	2	2	27	.94	.176	6	1	.20	68	.02	7	.50	.01	.24	1	35
SH 4848	1	215	28	591	.8	9	20	3125	5.03	21	5	ND	1	51	4	3	2	22	.54	.194	7	1	.08	69	.01	2	.32	.01	.17	1	61
SH 4849	1	226	38	188	.7	8	17	4472	4.40	17	5	ND	1	68	1	2	2	16	.92	.184	6	1	.08	49	.01	2	.29	.01	.17	1	87
SH 4850	2	444	153	625	1.8	12	16	2709	4.45	12	5	ND	1	47	5	3	2	22	.80	.185	7	3	.07	76	.01	3	.38	.01	.19	1	100
SH 4851	1	330	41	444	.9	8	15	2320	3.82	13	5	ND	1	44	3	2	2	30	.77	.200	7	2	.05	62	.01	2	.35	.01	.16	2	47
SH 4852	1	199	60	634	.7	13	19	2301	4.54	21	5	ND	1	51	6	2	2	37	1.45	.212	8	3	.06	128	.01	2	.53	.01	.19	2	67
SH 4853	1	357	25	302	1.0	6	12	2676	3.83	11	5	ND	1	105	2	2	3	34	2.73	.202	7	1	.34	45	.01	2	.41	.01	.20	2	55
SH 4854	1	119	39	226	.4	8	16	2800	4.80	12	5	ND	1	74	1	2	2	31	1.85	.219	7	4	.24	107	.02	5	.72	.01	.27	3	239
SH 4855	1	204	262	871	1.3	7	17	3002	4.84	14	5	ND	1	60	6	2	2	32	1.25	.205	6	2	.44	56	.03	3	.83	.01	.24	1	79
SH 4856	1	191	30	349	.6	11	18	3757	4.52	29	5	ND	1	45	2	2	2	46	.86	.177	4	7	.42	110	.08	2	1.24	.01	.46	1	81
SH 4857	1	216	167	1177	1.3	12	15	3248	4.69	30	5	ND	2	31	7	2	2	34	.44	.183	7	2	.14	94	.03	3	.65	.01	.22	1	43
SH 4858	1	103	46	337	.3	67	23	1532	5.93	24	5	ND	8	458	5	2	2	102	2.55	.582	110	110	2.79	677	.17	2	2.50	.11	1.01	1	25
SH 4859	2	273	672	1676	3.4	7	17	2552	4.72	28	5	ND	1	93	13	2	3	24	1.61	.189	5	2	.48	46	.01	6	.60	.01	.23	1	300
SH 4860	1	129	108	419	.6	15	19	6812	4.48	34	5	ND	1	42	4	2	2	19	.41	.165	11	7	.17	195	.02	2	.76	.01	.21	1	48
SH 4861	1	130	456	706	2.0	8	18	5267	4.68	21	5	ND	1	121	6	2	2	18	2.43	.166	6	4	.55	108	.01	6	.54	.01	.20	1	197
SH 4862	1	255	673	1148	3.5	5	8	2994	3.22	12	5	ND	1	93	9	2	3	25	1.58	.194	7	4	.35	67	.02	8	.48	.01	.20	1	108
SH 4863	2	155	305	838	1.5	24	18	1951	4.27	18	5	ND	3	104	5	2	9	35	.77	.263	31	19	.67	410	.08	5	.97	.02	.31	1	75
SH 4864	6	229	551	2320	4.7	8	12	2760	4.03	9	5	ND	1	39	16	2	11	23	1.01	.153	6	6	.09	96	.01	4	.53	.01	.14	2	290
SH 4865	10	161	314	1615	3.4	10	12	2812	4.19	5	5	ND	1	39	13	2	9	19	.78	.179	6	4	.07	106	.01	2	.45	.01	.14	2	470
SH 4866	1	194	325	1102	2.2	11	19	3173	5.35	11	5	ND	1	85	8	2	2	20	1.08	.206	7	3	.20	119	.01	2	.48	.01	.20	2	540
SH 4867	1	154	44	381	.3	11	11	2001	4.05	4	5	ND	1	42	4	2	3	21	.48	.201	10	2	.05	107	.01	3	.46	.01	.19	6	61
SH 4868	2	509	60	1067	1.9	12	14	2497	4.72	9	5	ND	1	82	9	2	2	31	1.51	.198	8	2	.15	100	.01	5	.34	.01	.16	1	196
STD C/AU-P	18	61	95	133	6.6	71	29	1033	4.24	39	21	7	40	51	17	15	23	61	.50	.091	38	56	.95	181	.07	35	2.05	.06	.14	11	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SH 4869	1	271	20	2229	.7	18	16	2997	5.16	8	5	ND	1	59	17	2	2	28	.95	.220	11	2	.10	125	.01	2	.41	.01	.23	3	117
SH 4870	2	322	26	2479	.8	12	20	3895	6.44	11	5	ND	1	75	18	2	2	26	.39	.206	10	1	.11	144	.01	7	.41	.01	.18	2	114
SH 4871	1	243	28	1646	.5	10	17	3110	4.81	9	5	ND	1	101	12	2	2	36	2.09	.212	8	1	.17	100	.01	5	.37	.01	.18	3	80
SH 4872	1	230	35	1295	.6	10	19	3529	5.73	12	5	ND	1	92	8	2	2	27	1.13	.216	9	1	.14	164	.01	6	.53	.02	.19	1	113
SH 4873	1	162	26	2052	.9	12	17	3433	5.94	16	5	ND	2	59	14	2	2	19	.71	.228	12	2	.06	112	.01	12	.65	.01	.24	1	600
SH 4874	1	258	23	3955	.9	13	19	2257	5.13	20	5	ND	1	118	30	2	3	14	2.97	.217	6	1	.15	77	.01	14	.46	.01	.23	1	181
SH 4875	1	114	10	2440	.3	13	9	2643	5.04	5	5	ND	3	57	19	2	2	19	.92	.252	15	1	.05	126	.01	9	.59	.01	.26	1	29
SH 4876	3	367	32	3660	.8	12	19	2184	5.66	12	5	ND	1	70	28	2	2	22	1.25	.199	7	1	.22	27	.01	2	.35	.01	.16	3	139
SH 4877	1	398	18	4332	.6	16	17	5328	6.80	8	5	ND	1	41	37	2	2	34	1.22	.191	9	1	.18	39	.01	12	.35	.01	.16	12	280
SH 4878	3	507	29	5023	.9	18	11	3086	5.72	10	5	ND	1	45	41	2	2	40	1.65	.196	8	1	.17	53	.01	2	.37	.01	.17	11	133
SH 4879	2	215	45	2665	1.0	16	21	2553	6.19	9	5	ND	1	58	21	2	2	28	1.61	.197	5	2	.14	19	.01	5	.30	.01	.16	3	179
SH 4880	3	138	18	2372	.5	13	21	1465	6.00	13	5	ND	1	53	23	2	2	24	1.53	.184	5	1	.16	21	.01	8	.30	.01	.17	3	280
SH 4881	2	154	15	2963	.6	15	17	775	5.57	14	5	ND	1	67	26	2	2	23	.96	.197	6	2	.23	19	.01	19	.23	.01	.16	3	240
SH 4882	4	184	28	4110	.7	12	18	1166	5.92	17	5	ND	1	86	34	2	2	28	1.51	.206	6	1	.33	19	.01	10	.35	.01	.20	3	213
SH 4883	4	139	29	1687	.7	14	26	1867	6.03	15	5	ND	1	86	15	2	2	27	1.88	.201	6	1	.32	22	.01	6	.31	.01	.17	2	400
SH 4884	6	294	26	2130	.7	16	16	1381	5.39	14	5	ND	1	75	19	2	2	30	1.32	.229	3	1	.28	33	.01	14	.40	.01	.20	2	350
SH 4885	3	253	37	2169	2.2	11	19	1370	7.40	15	5	2	1	132	13	2	2	36	2.06	.187	5	1	.41	14	.01	9	.29	.01	.16	3	3790
SH 4886	5	326	29	528	1.6	9	15	1414	9.17	20	5	2	1	102	4	2	3	13	1.19	.177	5	1	.20	25	.01	2	.29	.01	.22	1	1880
SH 4887	1	369	159	1511	.8	13	14	1767	4.03	17	5	ND	1	61	11	3	2	12	1.03	.249	9	5	.08	99	.01	8	.55	.01	.29	1	81
SH 4888	2	230	36	2049	1.0	12	19	3042	7.90	12	5	ND	2	92	17	2	3	19	.75	.219	6	1	.11	50	.01	3	.46	.01	.24	1	920
SH 4889	3	350	20	841	1.1	21	25	3161	5.90	15	5	ND	1	125	6	2	2	16	1.95	.195	5	3	.29	64	.01	6	.53	.01	.30	1	360
SH 4890	2	599	24	787	1.3	32	29	2424	7.40	33	5	ND	1	84	6	2	2	20	.98	.150	7	11	.25	90	.02	3	.67	.01	.35	1	129
SH 4891	14	157	18	152	1.0	29	22	2844	5.53	12	5	ND	1	69	1	2	2	34	1.27	.135	5	13	.41	62	.02	19	.74	.01	.33	1	126
SH 4892	6	133	17	182	.4	44	30	1898	5.35	10	5	ND	1	76	2	2	2	58	2.02	.138	8	35	.92	230	.08	4	1.18	.01	.57	2	94
SH 4893	1	94	17	159	.3	38	32	1766	6.67	6	5	ND	2	31	2	2	3	71	.34	.174	11	56	.96	157	.10	2	1.58	.01	.66	1	104
SH 4894	2	205	17	96	.7	36	32	1786	6.74	9	5	ND	2	20	1	2	2	51	.29	.167	9	31	.33	100	.02	13	1.11	.01	.33	1	930
SH 4895	1	129	18	49	.7	14	17	1193	3.73	2	5	ND	2	25	1	2	2	15	.84	.126	7	4	.09	71	.01	4	.59	.01	.25	1	990
SH 4896	3	90	22	65	1.5	22	25	1246	5.58	9	5	2	2	22	1	2	2	34	.44	.137	8	10	.21	91	.02	6	.74	.02	.24	1	1310
SH 4897	4	124	21	139	.1	32	31	1637	7.22	5	5	ND	1	25	1	2	2	105	.29	.163	7	26	1.42	190	.09	2	1.81	.02	.59	1	260
SH 4898	1	121	22	182	.3	159	41	2239	8.52	11	5	ND	1	78	3	2	3	178	2.34	.107	5	411	5.13	166	.21	2	4.66	.01	1.27	1	116
SH 4899	2	82	18	115	.3	95	35	1812	7.45	15	5	ND	1	79	2	2	3	177	1.91	.102	3	191	4.45	30	.10	9	4.14	.01	.50	1	26
SH 4900	1	96	20	114	.1	104	35	1790	7.18	11	5	ND	1	100	2	2	2	119	2.39	.114	3	165	3.50	125	.05	2	3.18	.01	.31	1	15
SH 4901	1	81	15	127	.3	105	44	1429	8.26	10	5	ND	1	22	1	2	2	106	.27	.115	3	153	3.20	139	.07	2	3.04	.01	.39	1	56
SH 4902	1	148	14	145	.1	108	30	1789	6.85	10	5	ND	1	12	1	2	2	90	.15	.104	5	152	3.02	134	.06	9	3.08	.01	.36	1	31
SH 4903	2	212	16	93	.2	61	34	1759	7.11	9	5	ND	2	21	1	3	3	44	.22	.157	6	65	.67	175	.03	3	1.14	.01	.31	1	40
SH 4904	3	69	16	68	.3	40	19	637	5.30	6	5	ND	1	30	1	2	2	30	.11	.094	5	28	.45	133	.03	4	.93	.01	.35	1	45
STD C/AU-S	18	63	44	132	6.5	71	30	1014	4.17	44	20	7	37	50	19	15	18	60	.52	.094	38	55	.93	175	.07	38	2.07	.06	.13	11	470

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
SH 4905	2	175	9	638	.2	78	37	3502	8.67	15	5	ND	1	24	5	2	3	28	.56	.112	3	16	.25	20	.01	2	.55	.01	.19	1	39
SH 4906	4	117	14	561	.3	64	36	2874	7.11	17	5	ND	1	23	4	2	4	30	.44	.128	3	24	.52	22	.03	11	.80	.01	.39	1	49
SH 4907	1	89	9	89	.2	69	32	1234	5.67	17	5	ND	1	16	1	2	3	27	.13	.129	4	34	.53	92	.03	2	.96	.01	.47	1	48
SH 4908	3	177	9	140	.2	62	33	1447	7.30	15	5	ND	1	26	1	2	2	45	.43	.142	3	43	.82	16	.03	2	1.08	.01	.56	1	51
SH 4909	3	147	10	74	.5	25	20	596	6.29	13	5	ND	1	53	1	2	4	29	.54	.186	3	15	.52	16	.02	3	.71	.01	.35	1	49
SH 4910	3	171	13	129	.4	41	26	1135	6.92	15	5	ND	2	48	1	3	2	16	.05	.155	6	15	.09	174	.01	6	.58	.01	.26	1	44
SH 4911	2	133	12	112	.3	33	25	758	8.86	24	5	ND	2	26	1	2	2	35	.03	.146	4	27	.77	97	.03	2	1.03	.01	.30	1	75
SH 4912	3	63	11	233	.3	38	46	6504	6.79	19	5	ND	2	9	1	2	2	22	.11	.132	4	33	.36	53	.01	2	.88	.01	.24	1	45
SH 4913	4	622	17	310	.8	74	44	5360	10.03	23	5	ND	1	55	4	2	4	23	2.24	.118	2	22	1.10	10	.01	2	.79	.01	.24	1	81
SH 4914	7	128	149	405	1.2	82	65	7054	9.20	91	5	ND	1	46	6	2	3	16	2.65	.112	2	15	.76	9	.01	3	.52	.01	.19	1	122
SH 4915	2	42	20	164	.4	109	44	5754	6.69	39	5	ND	1	35	1	2	2	19	2.59	.106	3	15	.50	20	.01	2	.46	.01	.22	1	49
SH 4916	3	90	40	147	1.7	79	41	2720	12.36	333	5	ND	2	19	2	4	3	23	1.05	.096	3	16	.32	75	.01	2	.50	.01	.18	1	410
SH 4917	2	63	24	179	.6	141	63	5656	7.70	42	5	ND	1	32	1	2	2	32	1.79	.105	3	53	.83	105	.01	2	1.03	.01	.23	1	72
SH 4918	2	52	46	403	.6	58	33	9715	6.31	34	5	ND	2	107	5	2	3	30	5.92	.085	3	41	2.34	26	.05	7	.96	.01	.54	1	66
SH 4919	2	131	15	605	.8	56	34	3335	6.03	23	5	ND	1	51	7	2	2	42	2.46	.114	4	51	1.24	89	.06	2	1.19	.01	.60	1	111
SH 4920	1	123	16	736	1.4	29	21	1103	4.56	9	5	ND	2	26	7	2	2	22	.61	.098	7	21	.40	54	.01	2	.78	.01	.30	13	300
SH 4921	1	24	21	91	.1	7	10	874	2.24	2	5	ND	2	27	1	2	2	4	.54	.085	9	4	.17	57	.01	2	.43	.01	.11	1	63
SH 4922	1	23	17	116	.1	13	10	905	2.34	2	5	ND	3	11	1	2	2	7	.21	.080	13	5	.32	83	.01	4	.93	.01	.16	3	37
SH 4923	1	11	14	67	.1	7	12	816	2.35	6	5	ND	3	12	1	2	2	7	.30	.070	14	6	.24	65	.01	6	.64	.01	.17	1	91
SH 4924	1	3	13	50	.1	10	8	840	2.22	3	5	ND	3	14	1	2	2	7	.34	.074	13	6	.32	93	.01	6	.70	.02	.15	1	6
SH 4925	1	22	10	45	.1	8	7	794	2.07	5	5	ND	3	46	1	2	2	7	1.01	.078	15	7	.28	62	.01	2	.64	.01	.14	1	10
SH 4926	1	35	9	38	.1	11	7	813	2.10	3	5	ND	3	16	1	2	2	6	.42	.080	14	6	.06	82	.01	2	.47	.01	.15	1	4
SH 4927	1	25	2	26	.1	6	7	812	1.99	2	5	ND	3	24	1	2	2	5	.62	.075	15	4	.03	84	.01	5	.43	.01	.14	1	5
SH 4928	1	32	9	27	.1	7	8	913	2.06	2	5	ND	3	41	1	2	2	7	1.07	.081	16	5	.07	111	.01	6	.56	.02	.17	3	55
STD C/AU-R	17	58	38	132	7.2	68	30	1027	4.07	41	19	7	37	48	18	14	20	57	.52	.090	38	55	.92	175	.07	31	2.00	.06	.14	12	470

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 2 1989

DATE REPORT MAILED: Aug. 7/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.. C. Leong D.TOYE. C.LEONG. J.WANG: CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD CORP. FILE # 89-2628 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 4929	117	9	587	.5	23
SH 4930	39	6	404	.5	19
SH 4931	84	13	401	.5	12
SH 4932	259	4	411	.6	23
SH 4933	117	15	380	.9	95
SH 4934	241	16	444	.6	110
SH 4935	127	12	320	.8	89
SH 4936	318	6	292	.8	51
SH 4937	150	28	209	1.7	65
SH 4938	73	16	421	.7	21
SH 4939	191	9	498	.9	19
SH 4940	100	12	434	.6	22
SH 4941	119	2	337	.5	9
SH 4942	89	38	409	.7	58
SH 4943	113	5	250	.8	49
SH 4944	93	4	364	.7	60
SH 4946	93	987	1242	2.5	66
SH 4947	98	18	382	.7	270
SH 4948	303	7	529	.9	145
SH 4949	175	2	203	.5	20
SH 4950	99	9	188	.4	33
SH 4951	110	17	1805	.4	36
SH 4952	215	62	992	.7	36
SH 4953	298	83	1629	.5	28
SH 4954	282	853	1612	9.0	430
SH 4955	512	231	1475	2.9	106
SH 4956	189	4	938	.3	9
SH 4957	135	11	474	.4	5
SH 4958	230	7	258	.5	18
SH 4959	40	7	123	.2	60
SH 4960	185	2	166	.3	4
SH 4961	148	2	185	.5	6
SH 4962	130	4	149	.3	7
SH 4963	178	2	152	.5	2
SH 4964	35	10	138	.2	31
SH 4965	34	10	84	.1	430
STD C/AU-R	60	40	132	6.6	475

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 4966	25	12	139	.2	36
SH 4967	90	72	812	1.8	146
SH 4968	37	2915	5966	3.9	73
SH 4969	79	13	220	.6	7
SH 4970	42	13	469	.5	2
SH 4971	127	17	96	1.1	8
SH 4972	636	7148	3640	77.2	1210
SH 4973	328	94	1210	1.7	86
SH 4974	378	17	78	.7	740
SH 4975	27	745	1651	9.1	131
SH 4976	11	172	281	1.2	5
SH 4977	14	543	1116	9.3	70
SH 5052	315	15	67	.6	730
SH 5053	171	16	83	1.2	960
SH 5054	126	7	64	.7	350
SH 5055	163	15	83	.8	540
SH 5056	274	11	85	.7	39
SH 5057	276	27	136	1.1	960
SH 5058	247	24	960	1.1	1610
SH 5059	26	32	146	1.0	260
SH 5060	128	26	166	.7	270
SH 5061	105	10	112	.4	25
SH 5062	116	17	124	.5	57
SH 5063	37	10	102	.2	28
SH 5064	80	26	122	.9	50
SH 5065	79	31	214	.7	154
SH 5066	104	15	189	.6	51
SH 5067	46	20	193	.4	69
SH 5068	912	20	477	1.1	185
SH 5069	212	19	433	.5	109
SH 5070	809	35	918	1.6	161
SH 5071	381	21	393	1.2	83
SH 5072	177	13	173	.4	21
SH 5073	331	16	265	.6	15
SH 5074	178	57	347	.6	210
SH 5075	81	19	111	.6	270
STD C/AU-R	63	42	132	6.6	525

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 5076	103	10	108	.5	74
SH 5077	237	10	164	.7	35
SH 5078	186	11	199	.4	7
SH 5079	208	13	229	.5	10
SH 5080	52	7	137	.2	6
SH 5081	128	11	173	.3	9
SH 5082	33	9	343	.2	1
SH 5083	295	17	303	.8	29
SH 5084	255	94	738	1.2	23
SH 5085	215	132	1081	1.2	17
SH 5086	260	577	3394	2.7	37
SH 5087	188	35	483	.9	4
SH 5088	336	34	545	.9	11
SH 5089	203	207	704	.9	820
SH 5090	170	17	239	.6	92
SH 5091	245	17	164	.7	23
SH 5092	260	17	234	.6	1
SH 5093	43	16	145	.3	1
SH 5094	412	11	124	.6	4
SH 5095	468	13	129	.5	5
SH 5096	330	10	123	.8	8
SH 5097	275	9	148	.7	4
SH 5098	173	129	251	1.1	9
SH 5099	258	16	152	.7	7
SH 5100	254	4	170	.7	5
SH 5101	152	8	207	.5	1
SH 5102	135	5	190	.5	1
SH 5103	349	50	195	1.1	35
SH 5104	107	10	65	.8	3070
SH 5512	147	8	86	.3	51
SH 5513	179	10	94	.6	32
SH 5514	196	4	93	.4	17
SH 5515	233	3	118	.5	35
BA 5474	439	44	187	.6	5
BA 5475	157	16	112	.3	6
BA 5476	124	6	112	.3	7
STD C/AU-R	63	39	132	6.7	470

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
BA 5477	253	87	370	.9	12
BA 5478	391	258	900	1.6	124
BA 5479	141	16	239	.6	62
BA 5480	121	61	645	.4	20
BA 5481	160	8	990	.2	3
BA 5482	81	9	1318	.2	7
BA 5483	159	20	1356	.3	7
BA 5484	69	37	781	.2	21
BA 5485	88	16	370	.4	24
BA 5486	184	176	630	.8	36
BA 5487	138	31	379	.5	48
BA 5488	112	21	590	.4	59
BA 5489	23	27	278	.3	17
BA 5490	44	3483	13940	4.5	76
BA 5491	56	2019	4579	2.6	22
BA 5492	15	32	92	.1	10
BA 5493	7	16	45	.1	11
BA 5494	38	12	57	.5	97
BA 5495	63	19	45	.8	1520
BA 5496	26	15	69	1.7	6290
BA 5497	254	4	215	.5	1010
BA 5498	65	3	124	.3	120
BA 5499	100	3	108	.2	73
BA 5500	191	7	103	.2	21
BA 5501	148	8	103	.1	18
BA 5502	114	12	72	.2	130
BA 5503	112	8	120	.1	24
BA 5504	36	7	109	.2	24
BA 5505	188	9	74	.3	74
BA 5506	73	3	77	.2	29
BA 5507	91	2	57	.1	51
BA 5508	106	10	99	.1	44
BA 5509	114	3	216	.1	23
BA 5510	200	5	106	.2	25
BA 5511	132	8	90	.2	66
BA 5516	132	4	135	.3	83
BA 5517	127	2	115	.4	89
STD C/AU-R	60	41	132	6.7	530

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
BA 5518	138	6	112	.3	146
BA 5519	205	4	122	.3	300
BA 5520	687	3	116	.5	410
BA 5521	68	5	135	.3	270
BA 5522	168	2	130	.3	200
BA 5523	256	2	131	.5	600
BA 5524	75	8	129	.2	130
BA 5525	86	3	78	.5	340
BA 5526	47	3	75	.2	118
BA 5527	647	5	82	1.3	240
BA 5528	1316	5	81	1.8	300
BA 5529	165	5	73	.2	41
BA 5530	485	9	102	.9	88
BA 5531	252	7	280	.2	42
BA 5532	39	9	64	.3	121
BA 5533	36	11	64	.1	25
BA 5534	297	217	1591	1.0	41
BA 5535	37	11	212	.3	5
BA 5536	355	48	397	2.3	83
BA 5537	74	30	228	.4	127
BA 5538	32	4	147	.3	30
BA 5539	47	18	133	.8	176
BA 5540	100	21	318	.6	99
BA 5541	459	30	381	1.2	170
BA 5542	300	91	185	1.4	230
BA 5543	751	3	23	.7	11
BA 5544	425	4	67	.7	36
BA 5545	135	4	74	.3	24
BA 5546	549	7	33	1.6	220
BA 5547	119	66	28	1.4	1300
BA 5548	33	5	131	.1	53
BA 5549	74	613	62	3.0	580
BA 5550	43	25	446	.4	26
BA 5551	113	9	162	.4	30
BA 5552	63	21	149	.9	115
BA 5553	360	10885	40353	63.4	290
BA 5554	495	19563	76316	84.2	290
STD C/AU-R	62	37	132	6.6	520

- ASSAY REQUIRED FOR CORRECT RESULT -

for Pb, Zn > 1%
Ag > 30 ppm

A YTICAL LABORATORIES LTD.
STINGS ST. VANCOUVER B.C. V6A 1R6
04)253-3158 FAX(604)253-1716 DATE RECEIVED: AUG 2 1989
DATE REPORT MAILED: Aug. 7/89

CHEMICAL ANALYSIS CERTIFICATE

SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
AL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY.. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

PACIFIC SENTINEL GOLD CORP. FILE # 89-2628 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 4929	117	9	587	.5	23
SH 4930	39	6	404	.5	19
SH 4931	84	13	401	.5	12
SH 4932	259	4	411	.6	23
SH 4933	117	15	380	.9	95
SH 4934	241	16	444	.6	110
SH 4935	127	12	320	.8	89
SH 4936	318	6	292	.8	51
SH 4937	150	28	209	1.7	65
SH 4938	73	16	421	.7	21
SH 4939	191	9	498	.9	19
SH 4940	100	12	434	.6	22
SH 4941	119	2	337	.5	9
SH 4942	89	38	409	.7	58
SH 4943	113	5	250	.8	49
SH 4944	93	4	364	.7	60
SH 4946	93	987	1242	2.5	66
SH 4947	98	18	382	.7	270
SH 4948	303	7	529	.9	145
SH 4949	175	2	203	.5	20
SH 4950	99	9	188	.4	33
SH 4951	110	17	1805	.4	36
SH 4952	215	62	992	.7	36
SH 4953	298	83	1629	.5	28
SH 4954	282	853	1612	9.0	430
SH 4955	512	231	1475	2.9	106
SH 4956	189	4	938	.3	9
SH 4957	135	11	474	.4	5
SH 4958	230	7	258	.5	18
SH 4959	40	7	123	.2	60
SH 4960	185	2	166	.3	4
SH 4961	148	2	185	.5	6
SH 4962	130	4	149	.3	7
SH 4963	178	2	152	.5	2
SH 4964	35	10	138	.2	31
SH 4965	34	10	84	.1	430
STD C/AU-R	60	40	132	6.6	475

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 4966	25	12	139	.2	36
SH 4967	90	72	812	1.8	146
SH 4968	37	2915	5966	3.9	73
SH 4969	79	13	220	.6	7
SH 4970	42	13	469	.5	2
SH 4971	127	17	96	1.1	8
SH 4972	636	7148	3640	77.2	1210
SH 4973	328	94	1210	1.7	86
SH 4974	378	17	78	.7	740
SH 4975	27	745	1651	9.1	131
SH 4976	11	172	281	1.2	5
SH 4977	14	543	1116	9.3	70
SH 5052	315	15	67	.6	730
SH 5053	171	16	83	1.2	960
SH 5054	126	7	64	.7	350
SH 5055	163	15	83	.8	540
SH 5056	274	11	85	.7	39
SH 5057	276	27	136	1.1	960
SH 5058	247	24	960	1.1	1610
SH 5059	26	32	146	1.0	260
SH 5060	128	26	166	.7	270
SH 5061	105	10	112	.4	25
SH 5062	116	17	124	.5	57
SH 5063	37	10	102	.2	28
SH 5064	80	26	122	.9	50
SH 5065	79	31	214	.7	154
SH 5066	104	15	189	.6	51
SH 5067	46	20	193	.4	69
SH 5068	912	20	477	1.1	185
SH 5069	212	19	433	.5	109
SH 5070	809	35	918	1.6	161
SH 5071	381	21	393	1.2	83
SH 5072	177	13	173	.4	21
SH 5073	331	16	265	.6	15
SH 5074	178	57	347	.6	210
SH 5075	81	19	111	.6	270
STD C/AU-R	63	42	132	6.6	525

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
SH 5076	103	10	108	.5	74
SH 5077	237	10	164	.7	35
SH 5078	186	11	199	.4	7
SH 5079	208	13	229	.5	10
SH 5080	52	7	137	.2	6
SH 5081	128	11	173	.3	9
SH 5082	33	9	343	.2	1
SH 5083	295	17	303	.8	29
SH 5084	255	94	738	1.2	23
SH 5085	215	132	1081	1.2	17
SH 5086	260	577	3394	2.7	37
SH 5087	188	35	483	.9	4
SH 5088	336	34	545	.9	11
SH 5089	203	207	704	.9	820
SH 5090	170	17	239	.6	92
SH 5091	245	17	164	.7	23
SH 5092	260	17	234	.6	1
SH 5093	43	16	145	.3	1
SH 5094	412	11	124	.6	4
SH 5095	468	13	129	.5	5
SH 5096	330	10	123	.8	8
SH 5097	275	9	148	.7	4
SH 5098	173	129	251	1.1	9
SH 5099	258	16	152	.7	7
SH 5100	254	4	170	.7	5
SH 5101	152	8	207	.5	1
SH 5102	135	5	190	.5	1
SH 5103	349	50	195	1.1	35
SH 5104	107	10	65	.8	3070
SH 5512	147	8	86	.3	51
SH 5513	179	10	94	.6	32
SH 5514	196	4	93	.4	17
SH 5515	233	3	118	.5	35
BA 5474	439	44	187	.6	5
BA 5475	157	16	112	.3	6
BA 5476	124	6	112	.3	7
STD C/AU-R	63	39	132	6.7	470

0+24N

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
BA 5477	253	87	370	.9	12
BA 5478	391	258	900	1.6	124
BA 5479	141	16	239	.6	62
BA 5480	121	61	645	.4	20
BA 5481	160	8	990	.2	3
BA 5482	81	9	1318	.2	7
BA 5483	159	20	1356	.3	7
BA 5484	69	37	781	.2	21
BA 5485	88	16	370	.4	24
BA 5486	184	176	630	.8	36
BA 5487	138	31	379	.5	48
BA 5488	112	21	590	.4	59
BA 5489	23	27	278	.3	17
BA 5490	44	3483	13940	4.5	76
BA 5491	56	2019	4579	2.6	22
BA 5492	15	32	92	.1	10
BA 5493	7	16	45	.1	11
BA 5494	38	12	57	.5	97
BA 5495	63	19	45	.8	1520
BA 5496	26	15	69	1.7	6290
BA 5497	254	4	215	.5	1010
BA 5498	65	3	124	.3	120
BA 5499	100	3	108	.2	73
BA 5500	191	7	103	.2	21
BA 5501	148	8	103	.1	18
BA 5502	114	12	72	.2	130
BA 5503	112	8	120	.1	24
BA 5504	36	7	109	.2	24
BA 5505	188	9	74	.3	74
BA 5506	73	3	77	.2	29
BA 5507	91	2	57	.1	51
BA 5508	106	10	99	.1	44
BA 5509	114	3	216	.1	23
BA 5510	200	5	106	.2	25
BA 5511	132	8	90	.2	66
BA 5516	132	4	135	.3	83
BA 5517	127	2	115	.4	89
STD C/AU-R	60	41	132	6.7	530

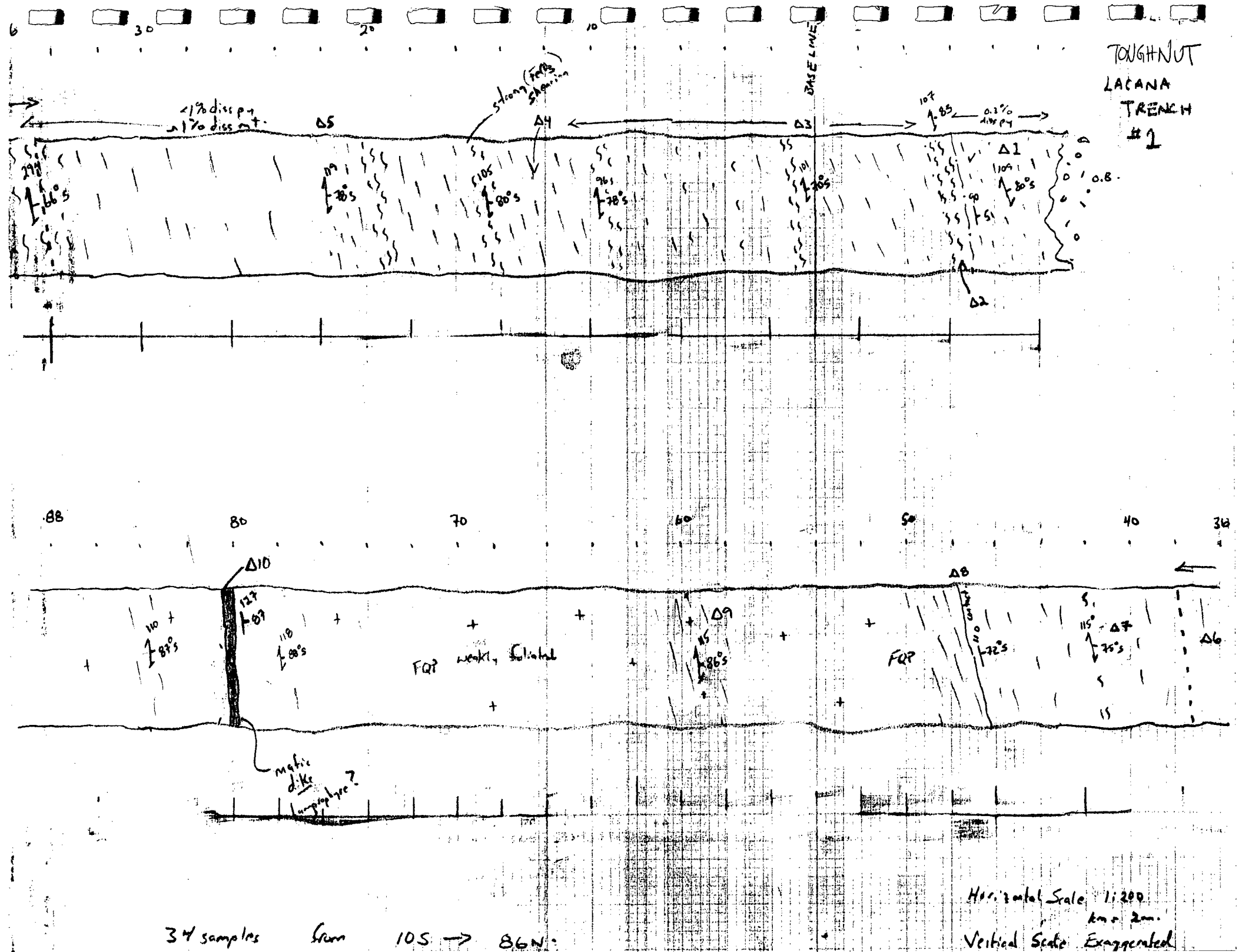
SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
BA 5518	138	6	112	.3	146
BA 5519	205	4	122	.3	300
BA 5520	687	3	116	.5	410
BA 5521	68	5	135	.3	270
BA 5522	168	2	130	.3	200
BA 5523	256	2	131	.5	600
BA 5524	75	8	129	.2	130
BA 5525	86	3	78	.5	340
BA 5526	47	3	75	.2	118
BA 5527	647	5	82	1.3	240
BA 5528	1316	5	81	1.8	300
BA 5529	165	5	73	.2	41
BA 5530	485	9	102	.9	88
BA 5531	252	7	280	.2	42
BA 5532	39	9	64	.3	121
BA 5533	36	11	64	.1	25
BA 5534	297	217	1591	1.0	41
BA 5535	37	11	212	.3	5
BA 5536	355	48	397	2.3	83
BA 5537	74	30	228	.4	127
BA 5538	32	4	147	.3	30
BA 5539	47	18	133	.8	176
BA 5540	100	21	318	.6	99
BA 5541	459	30	381	1.2	170
BA 5542	300	91	185	1.4	230
BA 5543	751	3	23	.7	11
BA 5544	425	4	67	.7	36
BA 5545	135	4	74	.3	24
BA 5546	549	7	33	1.6	220
BA 5547	119	66	28	1.4	1300
BA 5548	33	5	131	.1	53
BA 5549	74	613	62	3.0	580
BA 5550	43	25	446	.4	26
BA 5551	113	9	162	.4	30
BA 5552	63	21	149	.9	115
BA 5553	360	10885	40353	63.4	290
BA 5554	495	19563	76316	84.2	290
STD C/AU-R	62	37	132	6.6	520

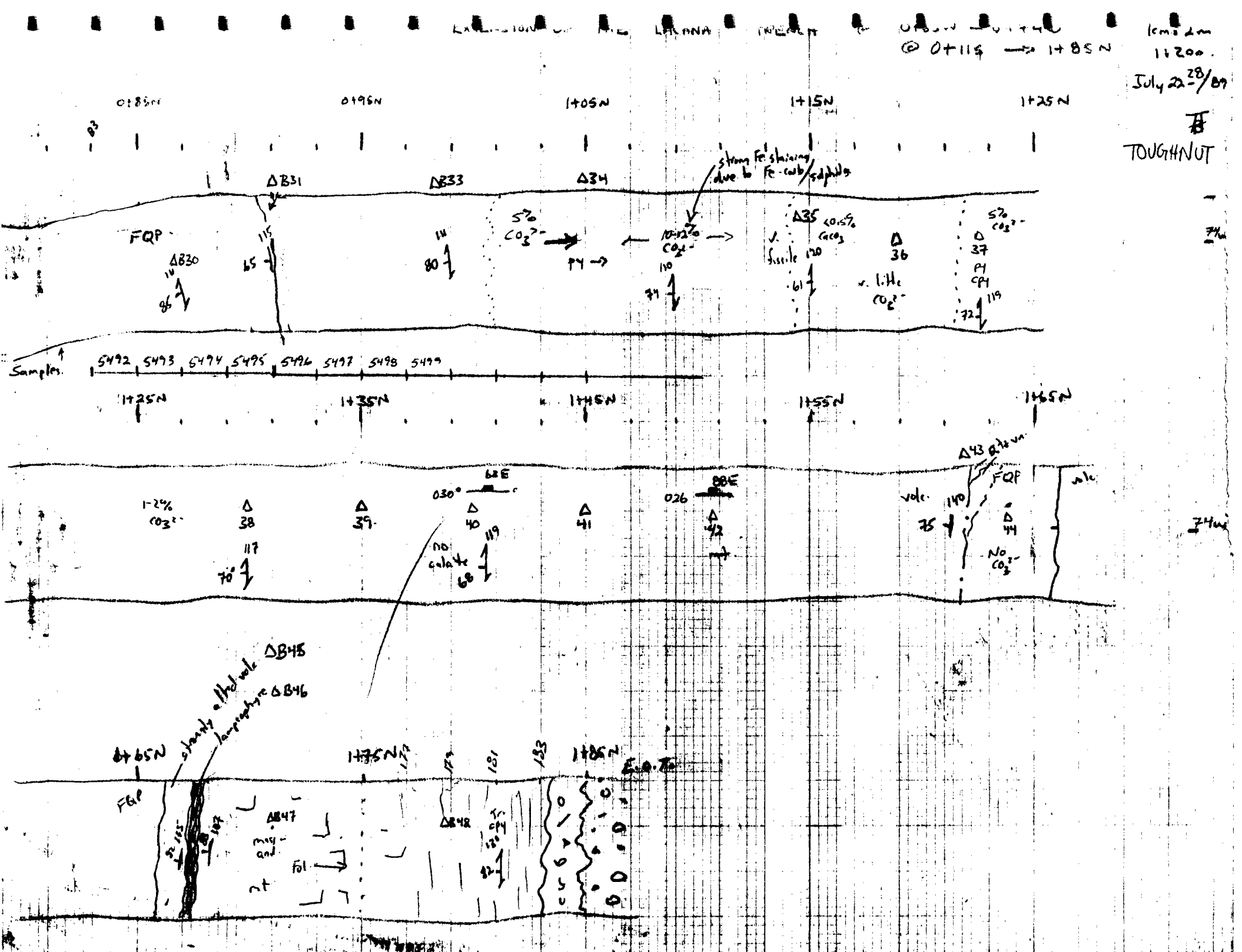
- ASSAY REQUIRED FOR CORRECT RESULT -

for Pb, Zn > 1%
Ag > 30 ppm

APPENDIX VII

1:200 FIELD TRENCH MAPS

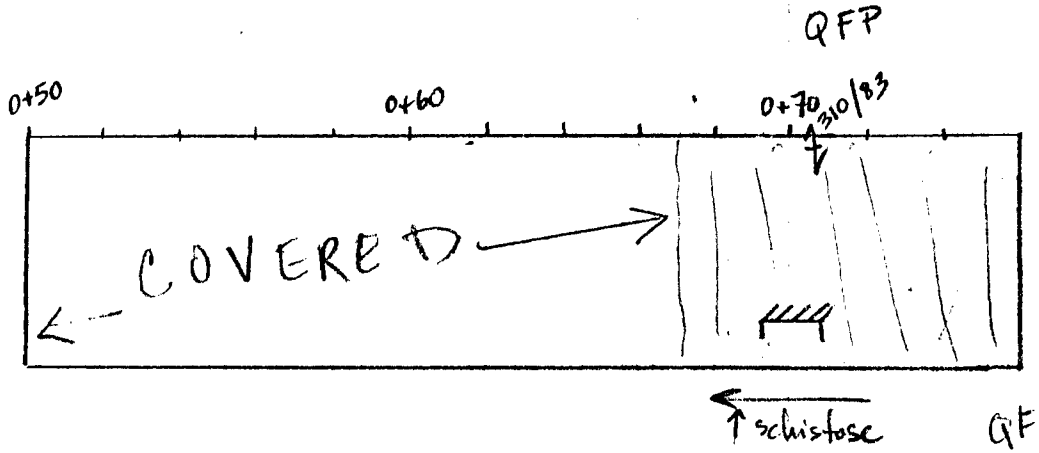

DONGHNUT
LACANA
TRENCH
#1
BASELINE
Δ1
Δ2
Δ3
Δ4
Δ5
Δ6
Δ7
Δ8
Δ9
Δ10
<1% disc py
>1% disc py
strong (perhaps shearing)
0.2% disc py
0.8
FQP weakly foliated
FQP
mafic dike
lamprophyre?
Horizontal Scale 1:200
km = 2m.
Vertical Scale Exaggerated
34 samples from 10S → 86N.


@ 0+11S → 1+85N
1cm=2m
1:200.
July 22-28/89
TOUGHNUT
0+85N
0+95N
1+05N
1+15N
1+25N
ΔB31
ΔB33
ΔB34
strong Fe staining due to Fe-carb/sulphide
FQP
ΔB30
ΔB35
ΔB36
ΔB37
Samples
5492 5493 5494 5495 5496 5497 5498 5499
1+25N
1+35N
1+45N
1+55N
1+65N
ΔB43
FQP
ΔB38
ΔB39
ΔB40
ΔB41
ΔB42
ΔB44
ΔB45
ΔB46
ΔB47
ΔB48
1+65N
1+75N
1+85N
E.O.H.
FQP
Fol
nt

TRENCH 0+00E

S ← → N

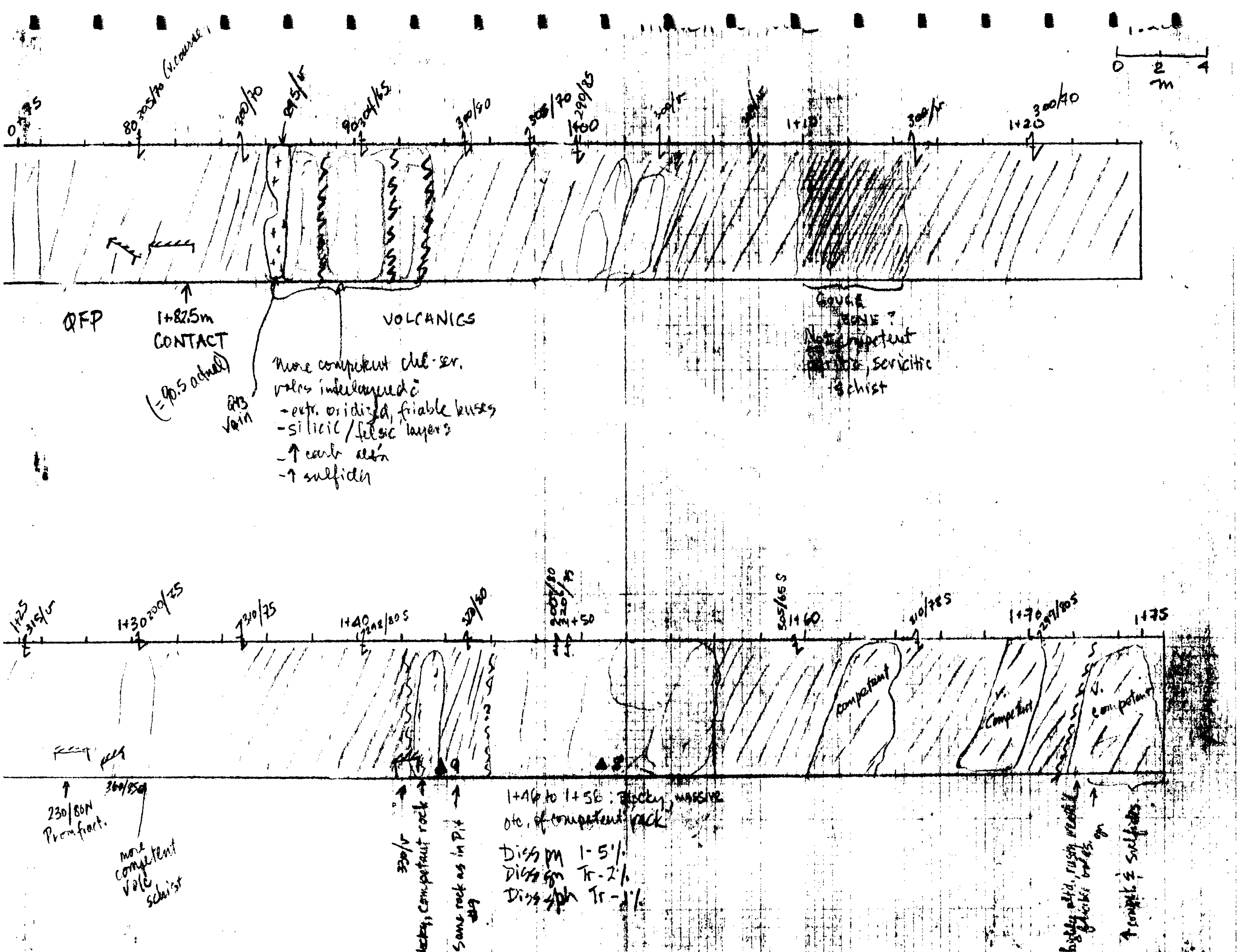
FACING 300°



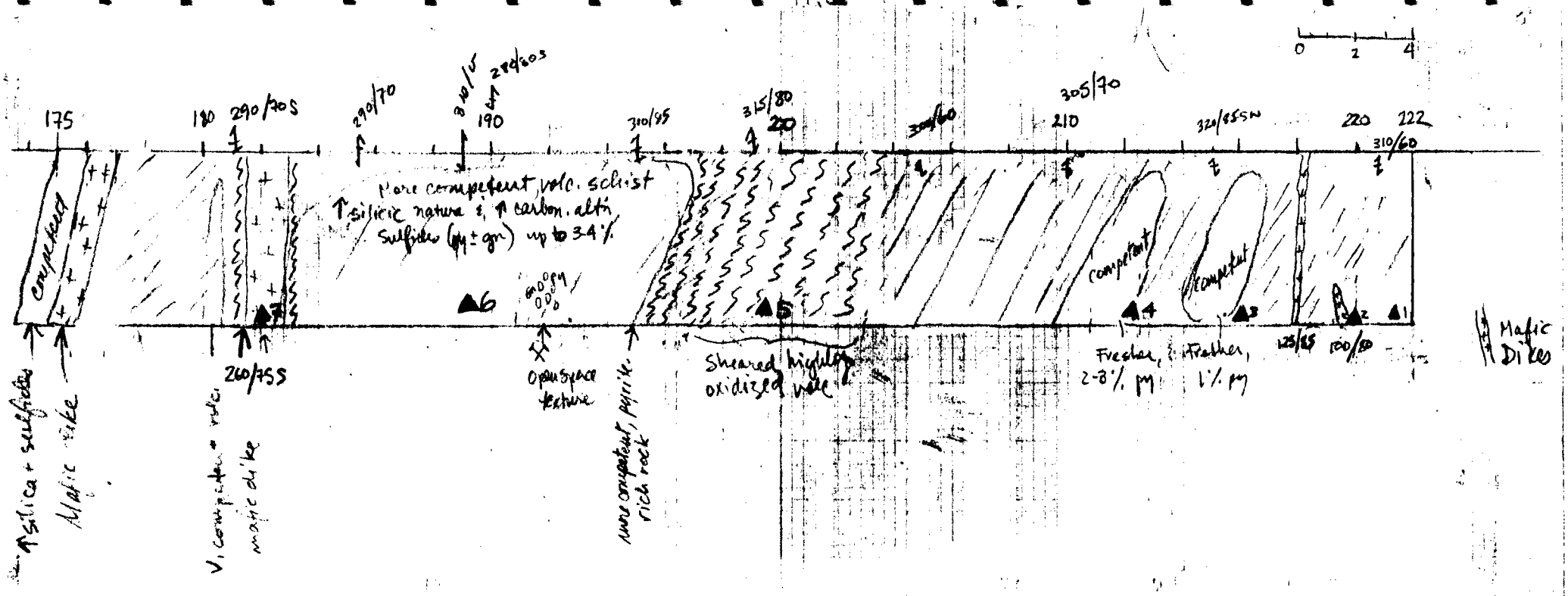
Prominent Fracture 218/65°

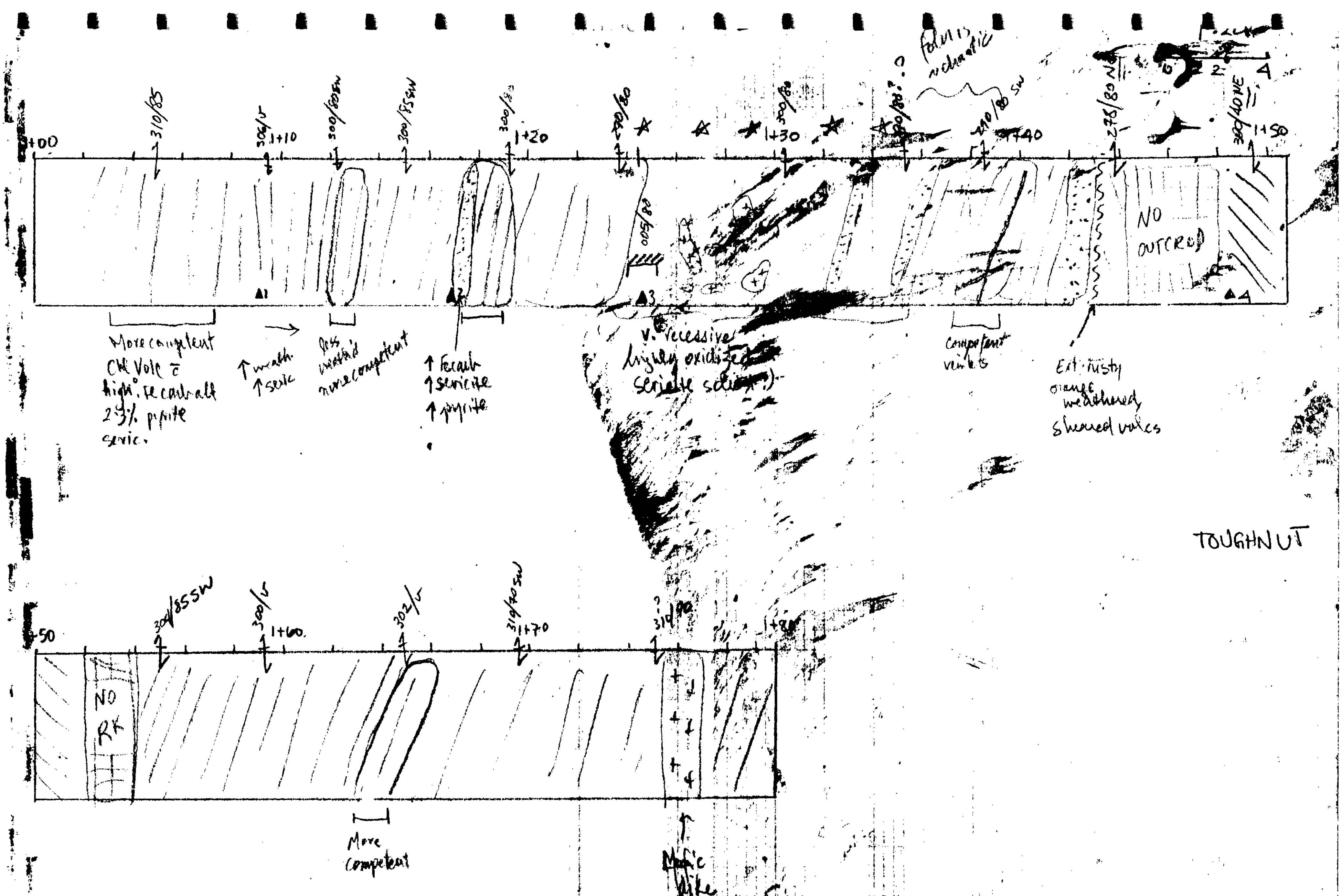
QFP: Bleached buff-off white weathd color
qtz eyes
Chl + fsp + qtz + sericite
Equigranular qtz eyes 2-5mm (10-15%)
Mod-hly carb altn
Slt. magnetic
Chl as patches or blebs on foln planes
Mineralization: Tr-2% py
Tr-1% magnetite

QFP = massive
Locally sugary/granular texture
up to 50% Fe carb. altn



0 2 4
m
0+75
80
1+00
1+10
1+20
QFP
1+82.5m
CONTACT
VOLCANICS
GOUGE ZONE?
sericitic schist
More competent chl-ser. volcs interlayered c̄
-extr. oxidized, friable lenses
-silicic/felsic layers
-↑ carb altn
-↑ sulfides
vein
1+25
1+30
1+40
1+50
1+60
1+70
1+75
230/80N
Prom fract.
more competent volc schist
1+46 to 1+56: Blocky, massive otc. of competent rock
Diss py 1-5%
Diss gn Tr-2%
Diss sph Tr-1%
competent
v. competent
v. competent


0 2 4
175
180
290/70S
290/70
190
310/55
315/80
20
210
220
222
310/60
305/70
320/85SW
competent
competent
Fresher, feather, 2-8% py
1% py
125/85
100/80
Mafic Dikes
Silica + sulfides
Mafic dike
260/75S
V. competent + volc. mafic dike
Opus space texture
less competent, pyritic rich rock
Sheared highly oxidized volc.



1+00
310/85
306/v
1+10
300/80SW
300/85SW
300/80
1+20
?90/80
005/80
1+30
300/80
foliation nebulitic
?
300/80?
?10/80 SW
1+40
278/80N
300/40NE
1+50
NO OUTCROP
More competent
Chl Volc c̄ high° Fe carb alt 2-3% pyrite seric.
↑ weath ↑ seric
less weathd more competent
↑ Fe carb ↑ sericite ↑ pyrite
v. recessive highly oxidized sericite schist
Competent veinlets
Ext. rusty orange weathered sheared volcs
TOUGHNUT
1+50
304/85SW
300/v
1+60
302/v
310/70SW
1+70
310/90
1+80
NO RK
More competent
Mafic dike

Slt-mod. weath'd chl. volc schist

NVS

Mod-hly weath'd sericite-chl schist V. rusty qtz in foln planes

Fe carb. weath'd spots (ex-fsp), foln planes Fract: 205/80NW

Sericitic chl schist c̄ calcite blebs + Fe carb after fsp phenocrysts

Competent rock!

V. prominent fracture controls otc

Mod. weath'd to rusty brown

Granular, xline, siliceous chl volc sch

Mod. magnetic, highly carbon. alt'd

3% py dissem.

Competent 2-3% dissem py, Mod. magnetic

Highly carb. alt'd

Spec. hematite

More massive than fissile volc sch.

2-3% diss. py

Fracture: 110/70SW

Sericitic chl volc schist

Hly-extr. weath'd - Fe carb. along folns, fracts + spots (weath'd amygdules or phenocrysts). Locally bleached

Competent volc schist c̄ Fe carb eyes

Chl. sch. Highly carbon. alt'd

V. magnetic

Fracts: 330/75 230/70 038/65°SE

Incr. sericite

Prominent fracture: 350/50SW

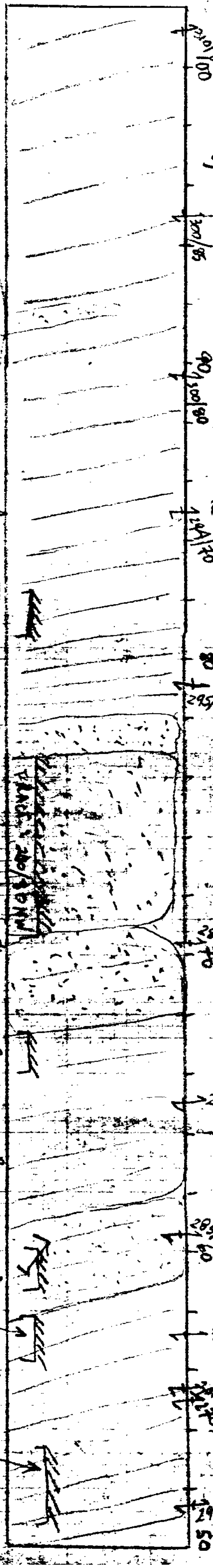
↑ sericitic, chl volc schist

Hly-Extr. carb alt'd. Abndnt. rusty spots. Hly magnetic

Massive otc of chl. schist

V. weath'd

NOWHERE IN THIS TRENCH ARE



Competent, massive otc of chl. volc schist

Extr. weath'd/oxidized chl. volc schist - punky - locally bleached

Mafic dike, 20 cm, 260/85SE

V. competent, highly Fe carb. alt'd, abndnt. weath'd spots & Fe carb. filled amygdules

Tr-2% dissem. py, py cgtz eyes

Hly to Extr. Fe carb alt'd chlorite volc. schists.

* Rust-orange, weath'd out spots (≤ 1 cm across) = ex-fsp, ex-py or amygdules

Dk. rusty extr. oxidized chl volc schist c̄ sericite

Fe carb stockwork

V. competent, siliceous volc. Mod-highly weath'd

Veinlets = qtz + py + cpy

↑ carb altn, ↑ py content

Interlayered c̄ chl. sch

Mafic dike 70 cm 270/80

Mafic dike 20 cm 290/80S

Felsic Dike 350/70S

Bleached!

010/80SE

V. competent, siliceous

Granular volc c̄ 2-4% py

↑ carb alt'd

Fe carb stockwork c̄ 5-7% py

Silicic layers c̄ ↑ py ↑ sch

↑ carb altn interlayered

V. competent silicic volc.

Prom. fract. = 010/85NW

Mafic dikes

Felsic dike

Sheared volcanics v. rusty weathered, and interlayered carbonate alt'd (Gouge!) massive volc otc

N ← (facing ≈ 120°) → S

SCALE 1:100

0 4 m

WIDTHS ARE TO SCALE
VEINLETS, HEIGHT OF OTC ARE NOT

Samples (21)

1.5-5.0	41.0-45.0
5.0-9.0	45.0-47.0
9.0-13.0	47.0-49.0
13.0-17.0	49.0-51.0
17.0-21.0	51.0-53.0
21.0-25.0	53.0-55.0
25.0-29.0	55.0-57.0
29.0-33.0	57.0-59.0
33.0-37.0	59.0-61.0
37.0-41.0	61.0-63.0
	63.0-65.0

QFP

49-65m: Lt. tan gray QFP unit, weathers rusty buckskin in color. Strongly foliated (cleavage is spaced on ave. few mm to .25cm scale).
Locally appears more massive.
Prominent fracture plane = 030/V. May be filled c̄ Qz, 000°/80E
Comp <5% Qz, >20% Sericite, 60% fsp, ≤ 5% py, ?5% anker.
Sericite in blebs and on foliation planes
Qtz eyes are rounded
Veinlets are common: qtz + ser + py
Texture is dominated by variety of fracture + foliation planes

Mineralization = Veinlets of qtz + py
Hematite on fract. surface
Dissem. py (often oxid. to black) along fol. planes

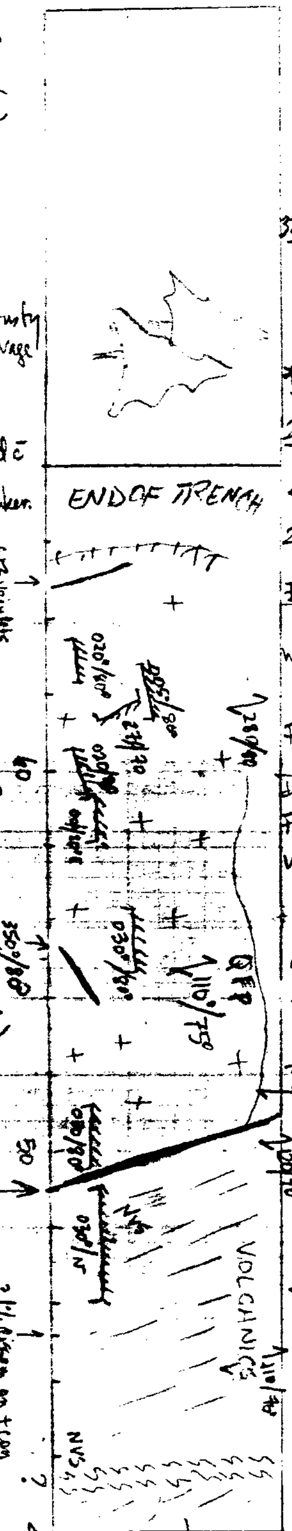
Open space qtz textures, v. rusty

CONTACT ZONE 49m

Rusty weathering, friable volc schists
Contact zone is 45cm. wide
~110°/80°SW
Volcs. at contact = few mm scale schistosity
Prom. fractures = 210°/80° NW
Ank. weath. on fract.

VOLCANICS (40-49m)

Med.-dk green, chloritic volc schist. Fgr volc, no obvious phenos. (fsp?)
Locally rusty weathered (oxidized sulfides). Locally v. weathered along fractures + schistosity planes. Also locally v. chloritic
NVS but calcite ± qtz ± sulfides veinlets @ 120°/80°
2 foliations ~10° apart



II vesicles, bedding // schist

40m: Massive otc but x schistose. Weathered along rusty spots = ex-angite porphs?
Prominent fractures: 030°/60°SE
Rusty rx. Qtz-ankerite veinlet X cuts <0.5% sulfides
37m: Extr. rusty, more massive volc c̄ visible py + sph?. F-gr volc, no porph.
Veinlets of calcite c̄ pyrite. Orange rusty weathering

32-36m: Massive otc. Lt. gray green, sericitic, fsp. porph volc. c̄ numerous (ca. 1-5%) rusty spots prob = augite porph.
Locally x rusty + sheared. Rare qtz-carb veinlets, <1% dissem. sulf.

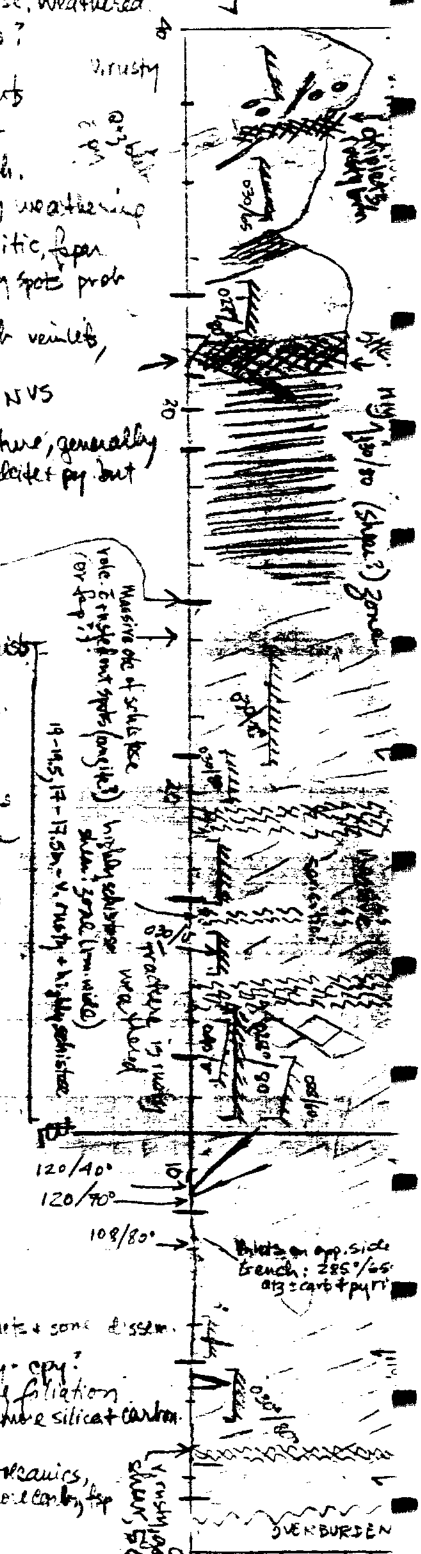
31-32m: V. rusty, friable sheared zone. NVS

26-31m: Volc shist c̄ poker chip texture, generally broken to green in color. Rare veinlets c̄ calcite + py but <0.1% sulfides

25-26m: Fspar porph volc

BASELINE TO 24 m:
Several prominent fractures give schist more massive appearance in otc
Fracture surfaces are rusty weath.
Few if any calcite + qtz veinlets
Diamond shaped otc. pieces c̄ ~40° angles
F. gr. volc, no obvious aug. or fsp. porph.
V. schistose (sericitic) in nature,
Common = V. rusty + weathered surfaces (ex-chlorite?)
NVS but rusty spots + surfaces
21-23m: V. strong x fractures, rusty

3-10 m: <1% sulfides in veinlets + some dissem.
— Qtz-carb. veinlets c̄ ank? py - cpy?
~310°/80°, slightly crosscutting foliation
Also dissem. py in sericitic, more silica + carbon rich volcs.
0-10m Rusty gray-green volcanics, highly schistose, local layers of more carb. fsp (and qtz?) rich volc.



fracture in plane of paper	
foliation	
vein / veinlet	

LENGTH = 64m

TREND OF TRENCH ~030°

1:200 SCALE

2m

LACANA TRENCH #2

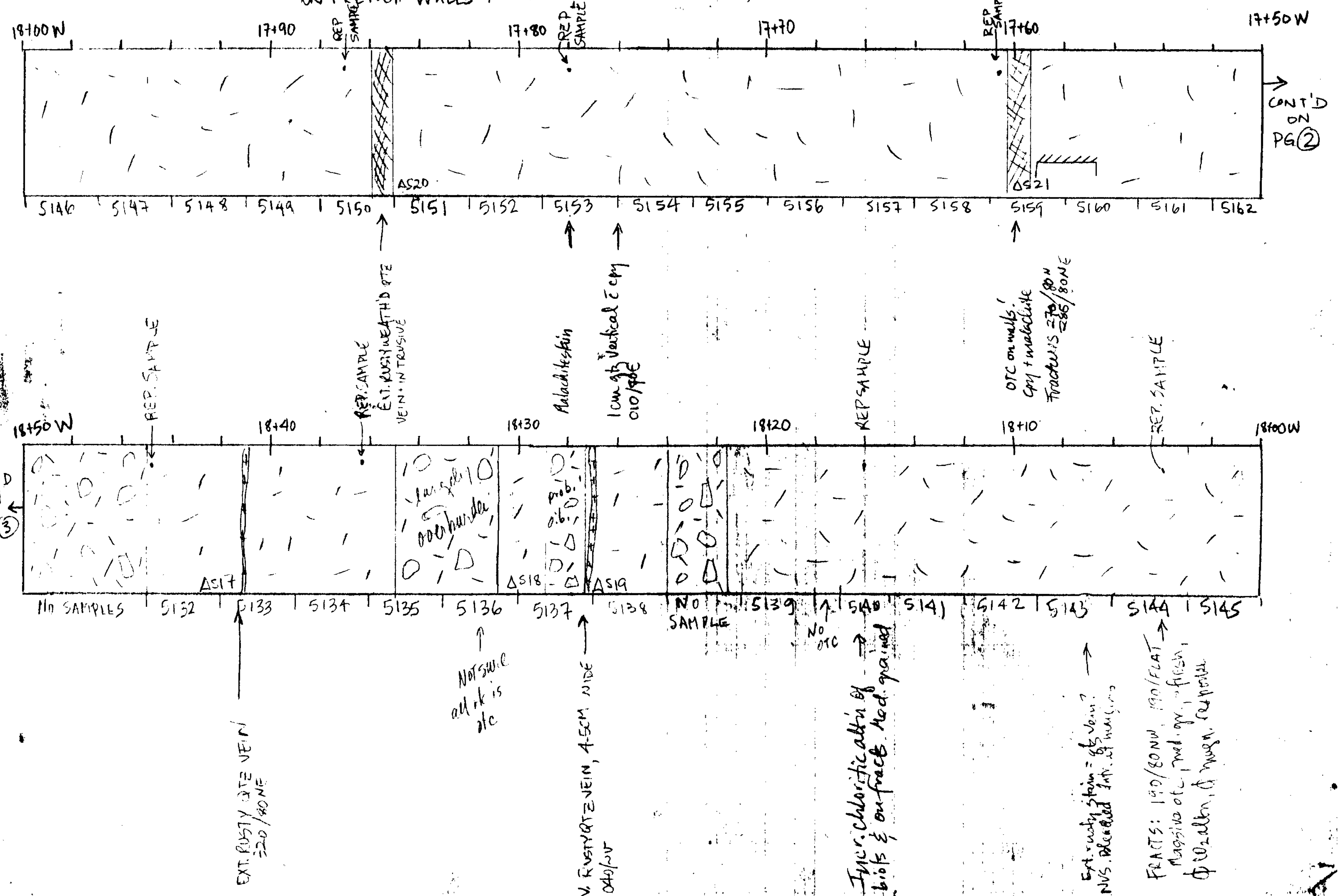
SCALE 1:200

0 m 2

①

TRENCH: L 12 N (RON)

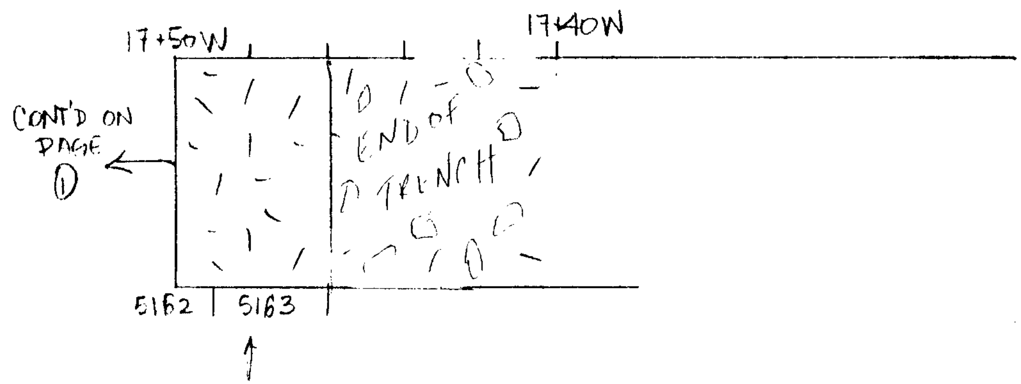
IS A MODERATE SUCCESS... BEDROCK AND/OR NEAR BEDROCK EXPOSED AT TRENCH BOTTOM, ONLY RARELY EXPOSED ON TRENCH WALLS. ** N.B.: CLAY LAYER (HARDPAN) ABOVE PX



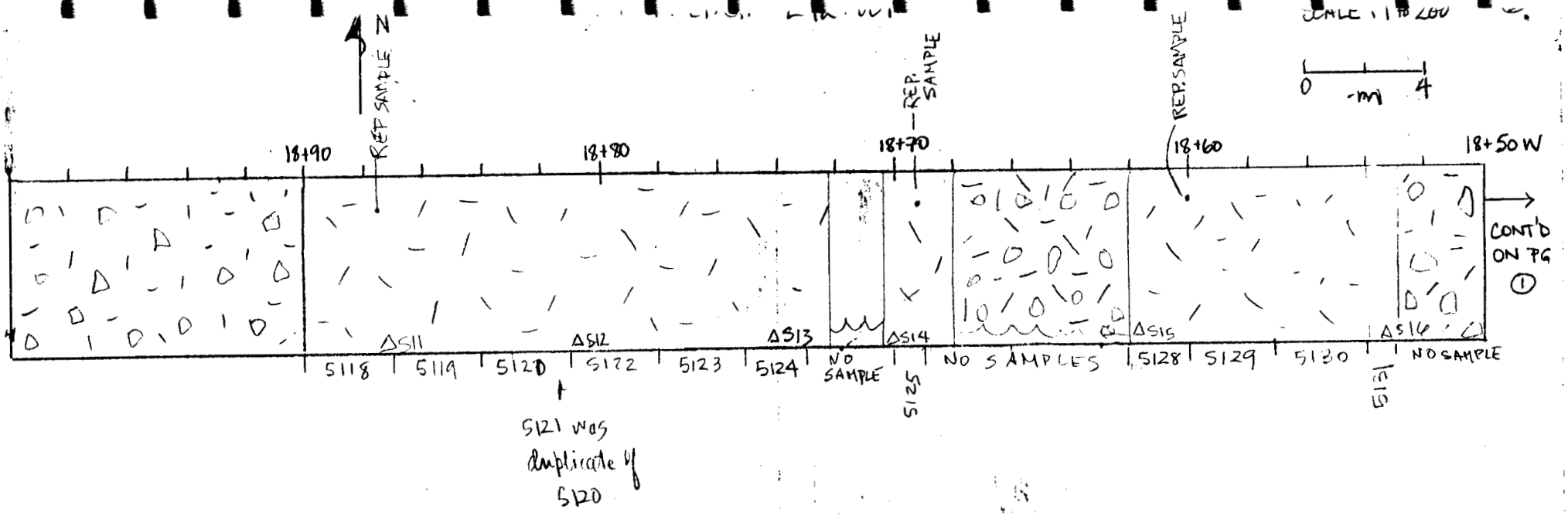
[illegible] ON TRENCH L12+00N
(CONT'D)

SCALE
1:200
0 m 2

AUG. 24, [illegible]
1989

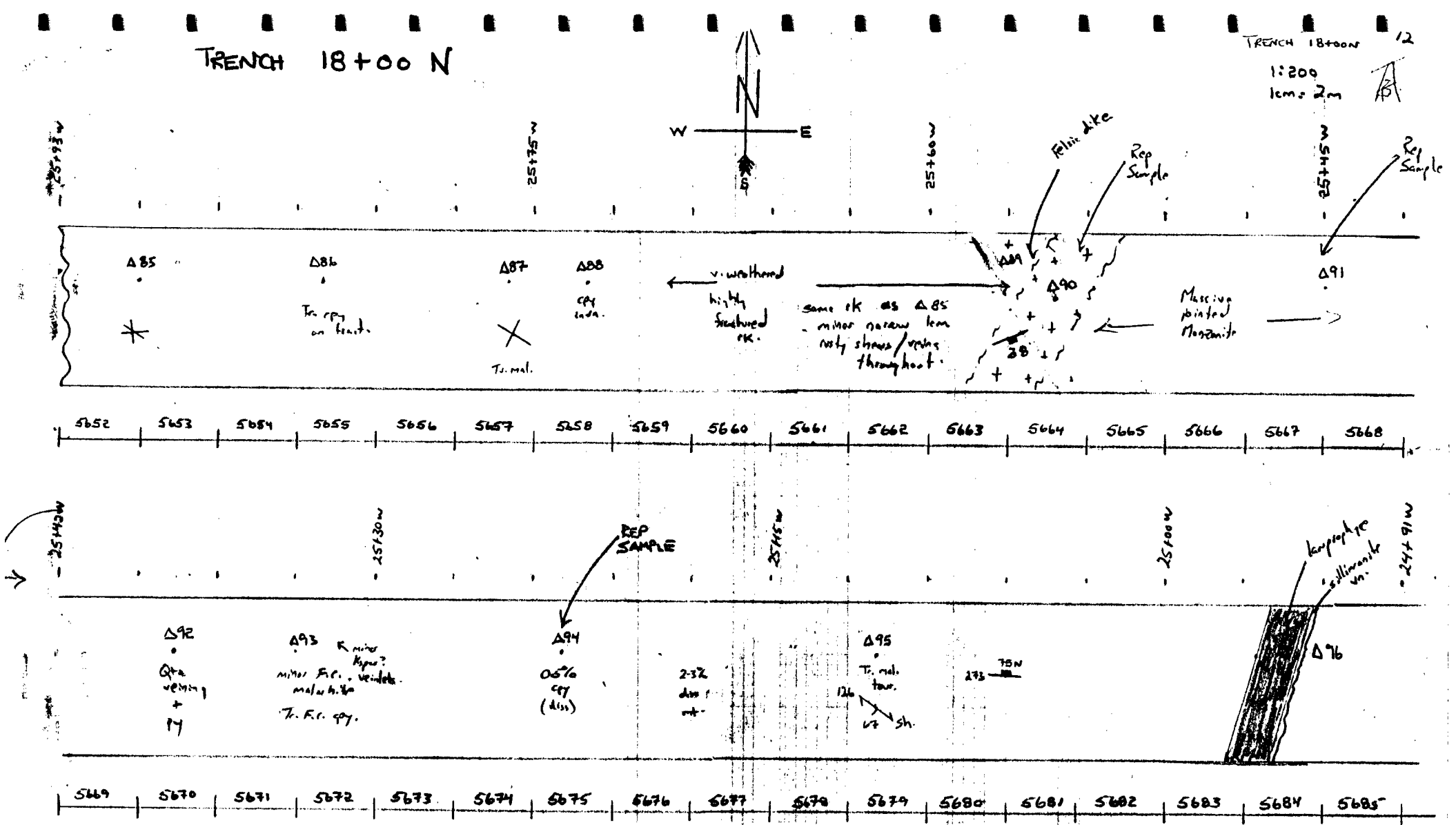


Malachite stain on chloritic fracture [illegible]

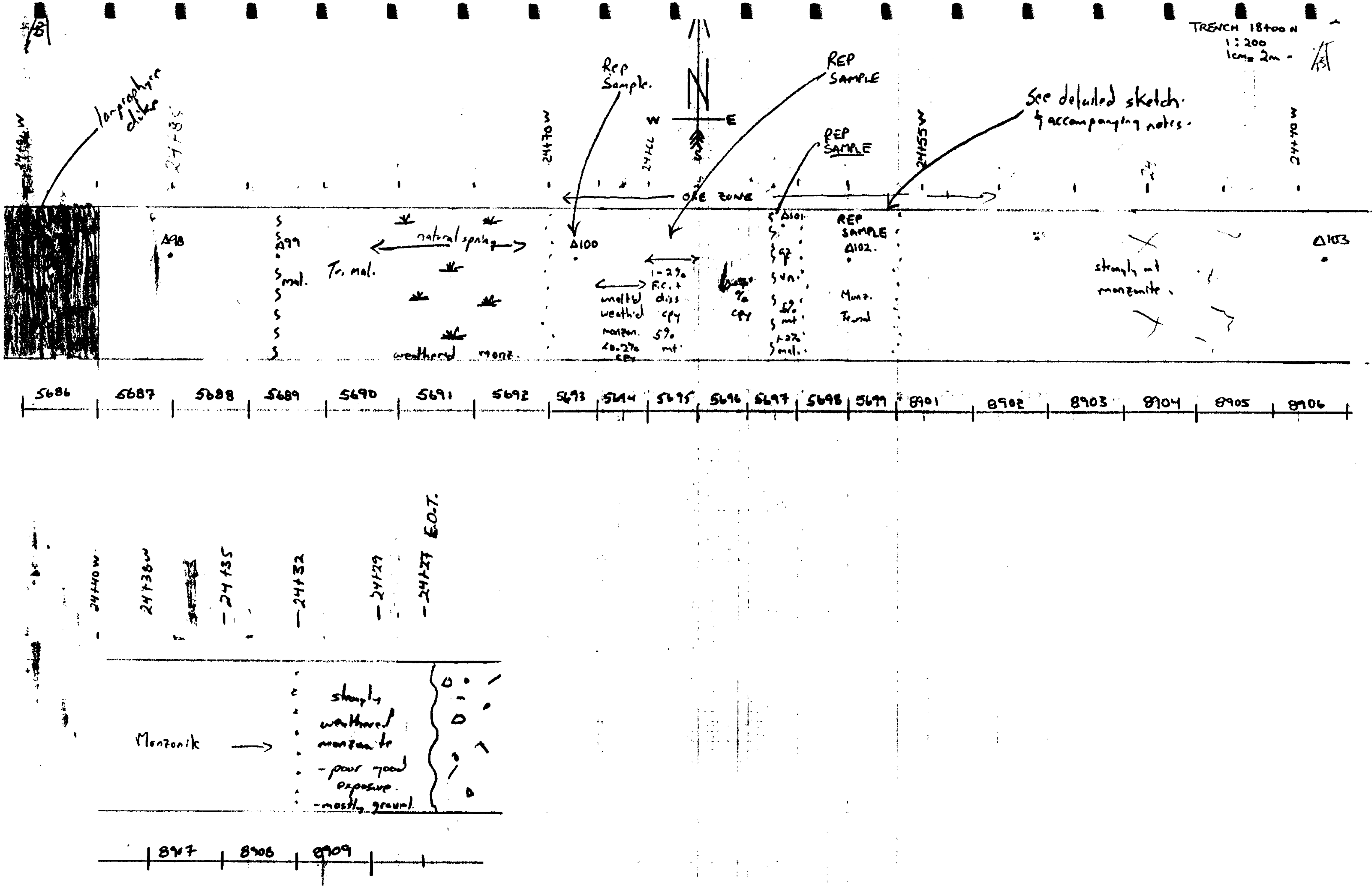

SCALE: 1 TO 200
0
4
N
REP. SAMPLE
REP. SAMPLE
REP. SAMPLE
18+90
18+80
18+70
18+60
18+50 W
CONT'D ON PG ①
Δ S11
Δ S12
Δ S13
Δ S14
Δ S15
Δ S16
5118
5119
5120
5122
5123
5124
NO SAMPLE
5125
NO SAMPLES
5128
5129
5130
5131
NO SAMPLE
5121 was duplicate of 5120

TRENCH 18+00 N

TRENCH 18+00N
1:200
1cm = 2m



N.B. Overburden in this trench varies from 2-6' with a strongly weathered zone from '1 - 5+'



TRENCH 18400 N
1:200
1cm = 2m
lamprophyre dike
Rep Sample.
REP SAMPLE
REP SAMPLE
See detailed sketch & accompanying notes.
N
W
E
24+70 W
24+55 W
24+40 W
ORE ZONE
Δ98
Δ99
Δ100
Δ101
REP SAMPLE Δ102.
Δ103
natural spring
Tr. mal.
mal.
weathered monz.
1-2%
F.C. + diss cpy
5% mt
weathered monzon.
<0.2% cpy
Monz.
strongly mt monzonite.
5686
5687
5688
5689
5690
5691
5692
5693
5694
5695
5696
5697
5698
5699
8901
8902
8903
8904
8905
8906
E.O.T.
24+40 W
24+38 W
24+35
24+32
24+29
24+27
Monzonite
strongly weathered monzonite
- poor good exposure.
- mostly gravel.
8907
8908
8909

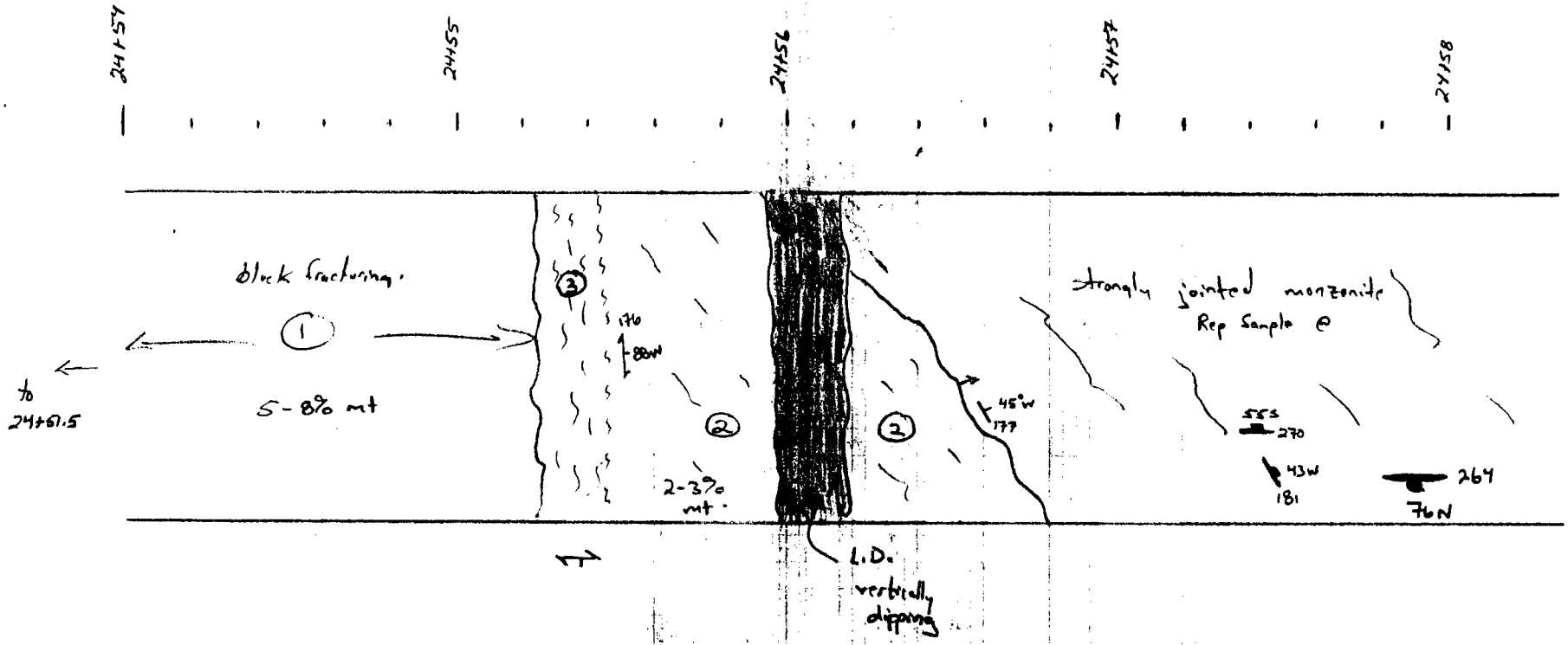
FBT

DETAILED SKETCH OF A PORTION OF TRENCH 18+00N

FROM 24+54W TO 24+58W

FACING SOUTH

1:20
1cm = 20cm.



① This rock is an unusually hybrid rock, (hornfelsed?) monzonite w/ v. strong magnetite, and unusually well-developed $CaCO_3$ alt'n, usually as replacements along fractures. Overall the rock is v. dk. coloured, melanocratic. Magnetite occurs disst'd as black shiny grains and also as purplish veinlets w/ qtz. This rock may be intensely crackle fractured. Minor Fe. cpy. <0.1% diss cpy
Similar rock was seen at 24+69W. Rep Sample Taken w/ more detailed description to follow.

② Bleached, beige to lt. grey rock, composed of either plag or kspar ± qtz. Displays a sharp contact to the west with the monzonite and a sheared contact ③ to the east with the rock of ①. It is cut by a lamprophyre dike.
Well-developed malachite on fractures (3%), 2-3% disst mt, + tr. cpy. Rep Sample taken.

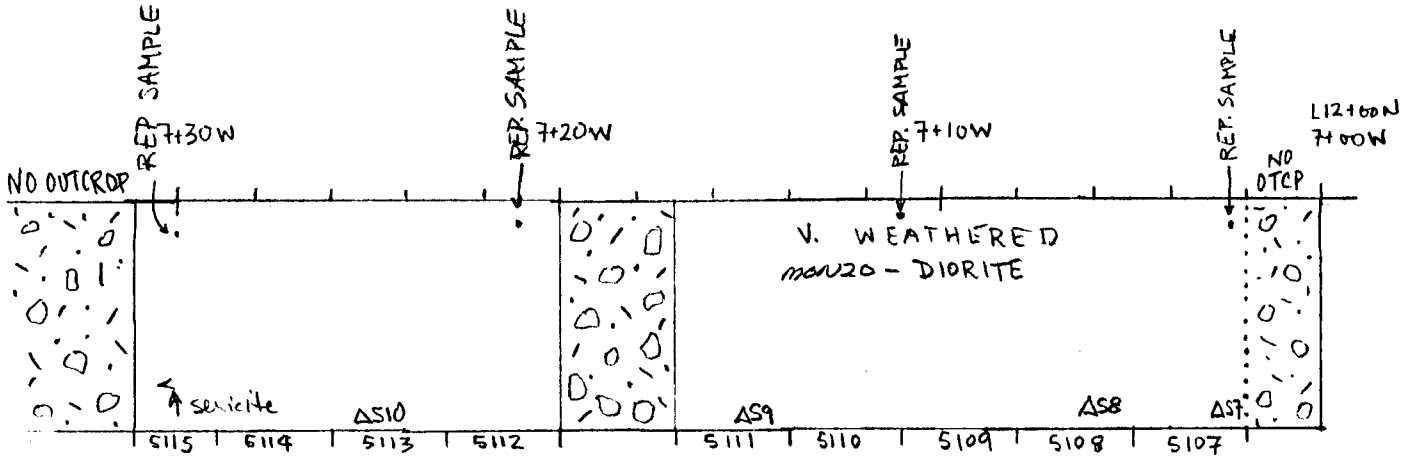
③ Mostly sheared rk of ②. V strong shear w/ good malachite development and locally cpy → 2%.

NOT 100% SURE THAT ANY ROCK IN TRENCH 12+00 N IS OUTCROP

N

TRENCH L 12 N, 7+00 to 7+31 W
1:200
1 cm = 2m

SMH
STAR



Trench exposes extremely chlorite-rich diorite, punky/friable in nature due to mod.-high degree of weathering.

Tr-1% magnetite, locally trace py.
Mod. carbonate alteration
Slight magnetic response

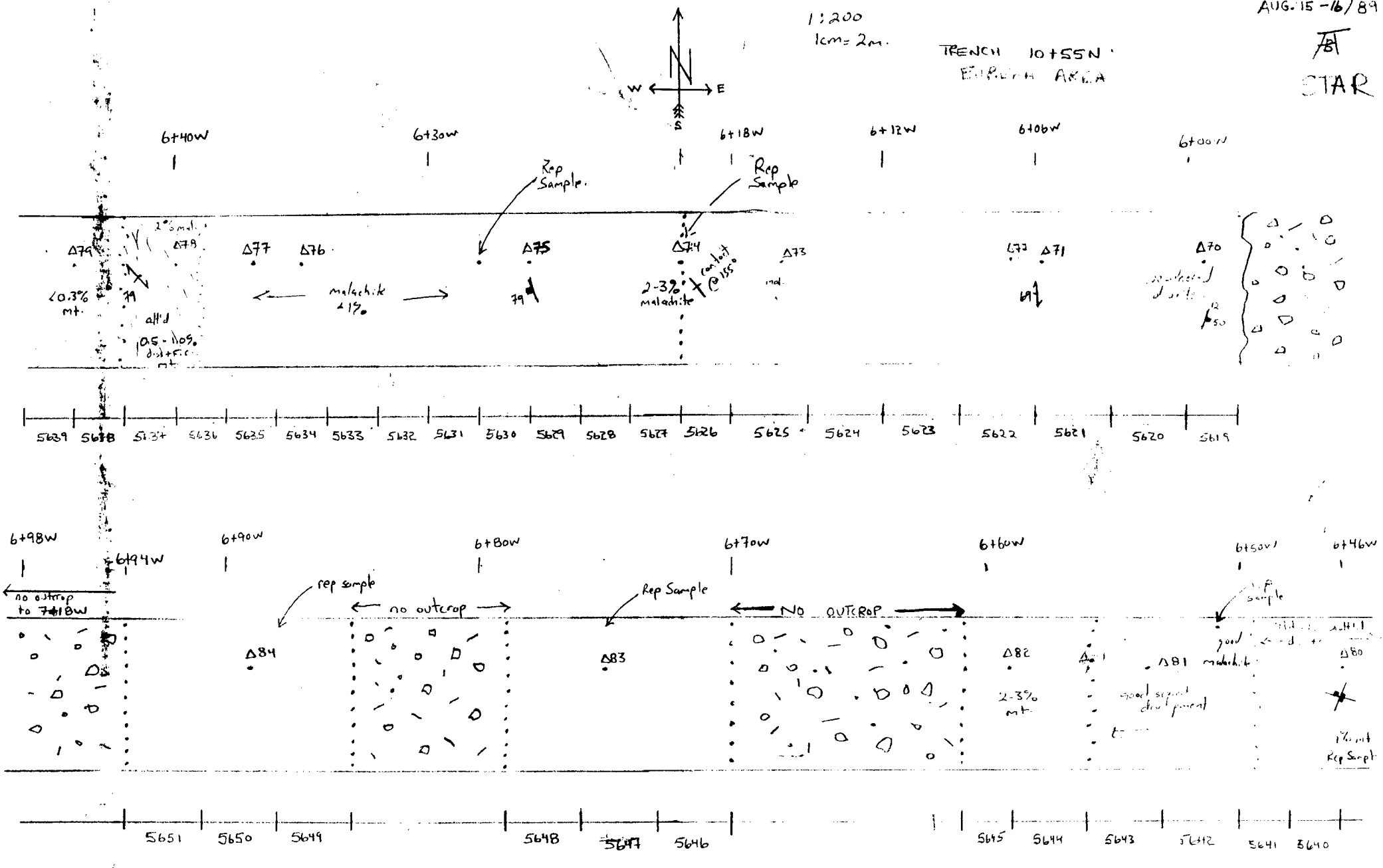
Fsp ± Ksp? + biot + chl + hornbl? + vare qtz.

AUG. 15 - 16/89

1:200
1cm = 2m.

TRENCH 10+55N
EXPLORATION AREA

STAR



→ E.O.T. @ 7+18W.