Appendix XI

MINERAL
•ENVIRONMENTS
LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
8282 SHERBROOKE STREET
VANCOUVER, B.C. CANADA V5X 4E8
TELEPHONE (604) 327-3436
FAX (604) 327-3423

SMITHERS LAB:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TEL (604) 847-3004
FAX (604) 847-3005

ANALYTICAL PROCEDURE FOR ASSESSMENT WORK:

Ag, Cu, Pb, Zn, Ni, and Co ASSAY

Samples are dried @ 60 C and when dry are crushed on a jaw crusher. The 1/4 inch output of the jaw crusher is put through a secondary roll crusher to reduce it to - 1/8 inch. The whole sample is then riffled on a Jones Riffle down to a statistically representative 250 gram sub-sample. This sub-sample is then pulverized on a ring pulverizer to 90% - 150 mesh, rolled and bagged for analysis. The remaining reject from the Jones Riffle is bagged and stored.

A 0.200 to 2.000 gram sub-sample is weighed from the pulp bag for analysis. Each batch of 24 assays has a natural standard and a blank included. The samples are digested using a HNO3 - KClO3 mixture and when reaction subsided, HCL is added before it is placed on a hotplate to digest. After digestion is complete the flasks are cooled, diluted to volume and mixed.

The resulting solutions are analyzed on an atomic absorption spectrometer using the appropriate standard sets. The natural standard digestion along with this set must be within 2 standard deviations of it's known or the whole set is re-assayed. If any of the assays are >1% they are re-assayed at a lower weight. 10% of samples are assayed in duplicate.

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Assay Certificate

5S-0016-PA3

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE CN 2 OF 2
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouve

We hereby certify the following Assay of 6 pulp samples submitted JUN-17-95 by Wayne Roberts.

Sample Number	AG g/tonne
92566	2.1
92567	2.0
92568	2.3
92569	2.6
92570	2.7
92571	3.4

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Assay Certificate

5S-0016-PA4

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE CN 2 OF 2
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouve

We hereby certify the following Assay of 24 pulp samples submitted JUN-17-95 by Wayne Roberts.

Sample Number	AG g/tonne
92572	2.8
92573	2.8
92574	3.6
92575	3.1
92576	5.0
92577	3.2
92578	5.8
92579	4.5
92580	2.7
92581	2.0
92582	3.0
92583	2.5
92584	1.9
92585	2.0
92586	2.7
92587	2.3
92588	2.9
92589	3.3
92590	2.6
92591	2.3
92592	3.2
92593	2.5
92594	2.8
92595	2.4

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Assay Certificate

5S-0016-PA5

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE CN 2 OF 2
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouve

We hereby certify the following Assay of 24 pulp samples submitted JUN-17-95 by Wayne Roberts.

Sample Number	AG g/tonne
92596	2.4
92597	3.9
92598	2.3
92599	1.5
92600	3.3
92601	2.7
92602	2.6
92603	2.4

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Assay Certificate

5S-0061-PA1

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE DP
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 21 pulp samples submitted SEP-15-95 by W. Roberts.

Sample Number	Ag g/tonne
99134	3.1
99135	3.0
99136	2.0
99137	2.1
99138	5.4
99139	3.5
99140	3.9
99141	3.1
99142	2.7
99143	2.8
99144	5.1
99145	7.8
99146	4.6
99147	5.6
99148	3.3
99149	4.9
99150	4.0
99151	11.3
99152	5.9
99153	7.1
99154	4.4

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Assay Certificate

5S-0061-PA2

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE DP
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-15-95 by W. Roberts.

Sample Number	Ag g/tonne
99155	3.0
99156	2.2
99157	1.9
99158	4.9
99159	3.5
99160	5.5
99161	6.3
99162	13.7
99163	8.5
99164	2.6
99165	2.5
99166	5.4
99167	4.5
99168	2.2
99169	1.8
99170	1.5
99171	1.6
99172	1.9
99173	2.0
99174	2.5
99175	1.4
99176	1.8
99177	3.3
99178	2.5

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Assay Certificate

5S-0061-PA3

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE DP
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 3 pulp samples submitted SEP-15-95 by W. Roberts.

Sample Number	Ag g/tonne
99179	2.0
99180	3.6
99181	2.2

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FAX (604) 847-3005

Assay Certificate

5S-0120-PA2

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE EP
Attn: WAYNE ROBERTS

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-05-95 by DOUG BLANCHFLOWER.

Sample Number	AG g/tonne
96350	1.9
96351	1.3
96352	1.5
96353	1.2
96354	1.4
96355	1.3
96356	2.1
96357	2.0
96358	1.6
96359	1.5
96360	1.7
96361	1.5
96362	1.6
96363	2.5
96364	2.3
96365	2.4
96366	2.6
96367	1.3
96368	2.0
96369	1.3
96370	1.5
96371	2.5
96372	13.4
96373	5.1

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Assay Certificate

5S-0120-PA3

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE EP
Attn: WAYNE ROBERTS

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-05-95 by DOUG BLANCHFLOWER.

Sample Number	AG g/tonne
96374	2.2
96375	3.9
96376	2.0
96377	1.8
96378	4.1
96379	2.9
96380	2.0
96381	1.7
96382	2.0
96383	1.8
96384	1.2
96385	1.6
96386	1.5
96387	1.2
96388	1.2
96389	1.3
96390	1.2
96391	1.1
96392	1.0
96393	2.3
96394	2.1
96395	3.0
96396	1.9
96397	1.8

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Assay Certificate

5S-0120-PA4

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE EP
Attn: WAYNE ROBERTS

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-05-95 by DOUG BLANCHFLOWER.

Sample Number	AG g/tonne
96398	2.6
96399	2.1
96400	1.8
96401	1.8
96402	1.2
96403	1.4
96404	1.5
96405	1.3
96406	1.4
96407	1.7
96408	1.2
96409	1.1
96410	1.6
96411	1.2
96412	1.5
96413	1.4
96414	1.8
96415	1.7
96416	3.8
96417	3.5
96418	7.1
96419	3.0
96420	2.4
96421	2.9

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Assay Certificate

5S-0120-PA5

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE EP
Attn: WAYNE ROBERTS

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 15 pulp samples submitted SEP-05-95 by DOUG BLANCHFLOWER.

Sample Number	AG g/tonne
96422	2.2
96423	1.9
96424	2.6
96425	3.2
96426	3.2
96427	2.2
96428	1.9
96429	2.5
96430	2.3
96431	2.2
96432	4.2
96433	3.4
96434	3.4
96435	2.7

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Assay Certificate

4S-0273-PA1

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE BG
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-19-94 by Wayne Roberts.

Sample Number	AG g/tonne
77988	1.5
77989	1.3
77990	1.6
77991	1.4
77992	1.3
77993	1.1
77994	1.4
77995	1.3
77996	1.2
77997	1.5
77998	1.4
77999	1.0
78000	1.4
78001	1.5
78002	2.0
78003	1.3
78004	1.5
78005	1.7
78006	1.8
78007	.8
78008	1.5
78009	1.4
78010	4.7
78011	1.6

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Assay Certificate

4S-0273-PA2

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE BG
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-19-94 by Wayne Roberts.

Sample Number	AG g/tonne
78012	1.8
78013	1.4
78014	1.4
78015	1.6
78016	1.8
78017	1.3
78018	1.9
78019	1.7
78020	2.8
78021	1.3
78022	1.9
78023	1.6
78024	1.8
78025	1.5
78027	2.1
78028	2.0
78029	2.4
78030	2.3
78031	2.3
78032	1.2
78033	1.5
78034	1.7
78035	1.7
78036	1.3

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4S-0273-PA3

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE BG
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-19-94 by Wayne Roberts.

Sample Number	AG g/tonne
78037	1.4
78038	1.6
78039	1.5
78040	1.3
78041	1.3
78042	1.1
78043	1.2
78044	1.5
78045	1.7
78046	1.6
78047	1.3
78048	1.3
78049	2.9
78050	2.0
78051	1.6
78052	1.2
78053	1.5
78054	1.2
78055	1.4
78056	1.6
78057	1.3
78058	1.7
78059	1.3
78060	1.8

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FAX (604) 847-3005

Assay Certificate

4S-0273-PA4

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE BG
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-19-94 by Wayne Roberts.

Sample Number	AG g/tonne
78061	1.6
78062	1.6
78063	1.3
78064	1.2
78065	1.3
78066	1.3
78067	1.1
78068	1.3
78069	3.7
78070	1.4
78071	1.2
78072	1.4
78073	1.1
78074	1.0
78075	1.2
78076	1.2
78077	1.5
78078	1.4
78079	1.6
78080	1.5
78081	1.7
78082	18.9
78083	15.1
78084	4.8

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Assay Certificate

4S-0273-PA5

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE BG
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 24 pulp samples submitted SEP-19-94 by Wayne Roberts.

Sample Number	AG g/tonne
78085	2.1
78086	3.3
78087	3.1
78088	2.4
78089	2.2
78090	2.6
78091	1.9
78092	1.3
78093	1.5
78094	1.7
78095	1.3
78096	1.7
78097	1.6
78098	1.8
78099	1.9
78100	2.0
78101	2.1
78102	1.4
78103	1.5
78104	1.6
78105	2.5
78106	1.8
78107	2.6
78108	2.0

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Assay Certificate

4S-0273-PA6

Company: **AMERICAN BULLION MINERALS LTD**
Project: RED CHRIS HOLE BG
Attn: Wayne Roberts

Date: OCT-17-95
Copy 1. American Bullion Minerals, Vancouver

We hereby certify the following Assay of 12 pulp samples submitted SEP-19-94 by Wayne Roberts.

Sample Number	AG g/tonne
78109	1.8
78110	3.0
78111	1.9
78112	2.3
78113	3.8
78114	2.7
78115	2.3
78116	2.3
78117	3.4
78118	3.5
78119	3.2

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TEL (604) 847-3004
FAX (604) 847-3005

Analysis Certificate

5V-0453-PA1

Company: **American Bullion Minerals Ltd.**
Project: **Red Chris**
Attn: **Wayne Roberts**

Date: NOV-03-95

We *hereby certify* the following analysis of 24 samples as requested by Wayne Roberts on Oct-12-95

Sample Number	Paste pH	Total Sulfur (%)	Sulfur - present in the form of SO_4 (%)	Neutralization Potential*	Acid Potential*	Net Neutralization Potential*
79013	7.95	4.09	0.25	104.81	120.00	-15.19
76651	8.30	3.04	0.22	88.22	88.13	0.09
79783	8.20	4.16	0.24	88.82	122.50	-33.68
79799	6.90	7.98	0.12	27.59	245.63	-218.03
76931	7.55	4.60	0.23	73.44	136.56	-63.12
79920	7.80	2.56	0.31	125.16	70.31	54.85
80027	8.80	3.83	0.23	80.68	112.50	-31.82
80138	7.70	5.21	0.26	106.01	154.69	-48.67
80513	8.10	1.54	0.34	92.74	37.50	55.24
77789	8.55	0.52	0.25	66.50	8.44	58.06
80653	7.40	4.37	0.13	30.00	132.50	-102.50
80638	7.30	5.50	0.16	39.05	166.88	-127.82
80801	7.55	5.46	0.18	38.75	165.00	-126.25
78256	7.30	4.23	0.13	25.48	128.13	-102.65
78393	8.15	2.79	0.31	129.68	77.50	52.18
81151	7.80	5.30	0.23	87.31	158.44	-71.12
81180	8.00	4.60	0.26	125.76	135.63	-9.86
78641	7.95	2.61	0.32	134.81	71.56	63.25
81317	8.15	3.15	0.28	129.68	89.69	40.00
81321	7.95	6.49	0.23	83.99	195.63	-111.63
81417	8.00	0.54	0.48	171.91	1.88	170.04
81437	8.05	4.47	0.28	142.05	130.94	11.11
81457	8.25	3.42	0.30	137.83	97.50	40.33
60181	8.15	3.21	0.26	74.95	92.19	-17.24
79013 Dup.		4.12	0.26	103.90	120.63	-16.72
80653 Dup.		4.52	0.15	28.50	136.56	-108.07
81417 Dup.		0.53	0.50	171.31	0.94	170.37

*Kg $CaCO_3$ equivalent per tonne of material

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NOV 2 0 1995

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TELEPHONE (604) 327-3436
FAX (604) 327-3423

SMITHERS LAB:
3176 TATLOW ROAD
SMITHERS, B.C. CANADA V0J 2N0
TEL (604) 847-3004
FAX (604) 847-3005

Analysis Certificate

5V-0453-PA2

Company: **American Bullion Minerals Ltd.**
Project: **Red Chris**
Attn: **Wayne Roberts**

Date: NOV-03-95

We *hereby certify* the following analysis of 24 samples as requested by Wayne Roberts on Oct-12-95

Sample Number	Paste pH	Total Sulfur (%)	Sulfur - present in the form of SO_4 (%)	Neutralization Potential*	Acid Potential*	Net Neutralization Potential*
81583	8.00	3.93	0.56	252.58	105.31	147.27
81584	8.00	3.57	0.56	252.88	94.06	158.82
81593	7.95	5.98	0.50	253.49	171.25	82.24
60274	8.00	3.50	0.36	148.08	98.13	49.95
81804	9.45	0.40	0.33	154.41	2.19	152.23
60531	8.10	2.15	0.29	87.61	58.13	29.49
81934	9.05	1.25	0.36	152.00	27.81	124.19
83024	8.75	2.52	0.30	121.84	69.38	52.46
82279	9.05	3.17	0.36	137.22	87.81	49.41
92046	7.80	4.98	0.25	61.67	147.81	-86.14
96560	7.10	4.79	0.14	18.84	145.31	-126.47
96590	8.60	3.07	0.28	97.03	87.19	9.85
92185	8.10	4.07	0.27	95.46	118.75	-23.30
92265	9.30	2.79	0.33	96.96	76.88	20.09
96764	9.55	3.93	0.46	276.08	108.44	167.64
96820	7.80	4.23	0.20	43.27	125.94	-82.66
92316	8.25	4.57	0.29	95.76	133.75	-37.99
96889	8.10	4.39	0.35	116.11	126.25	-10.14
92390	8.40	4.36	0.58	427.43	118.13	309.30
92400	8.45	6.13	0.36	64.09	180.31	-116.23
92411	8.40	4.89	0.84	136.62	126.56	10.06
97502	9.10	3.65	0.30	94.55	104.69	-10.14
92679	8.40	2.78	0.59	271.18	68.44	202.75
92689	8.45	3.81	0.60	439.97	100.31	339.66
81583 Dup.		3.87	0.54	244.57	104.06	140.51
96560 Dup.		4.81	0.15	20.80	145.63	-124.83
92411 Dup.		4.85	0.86	133.59	124.69	8.90

*Kg $CaCO_3$ equivalent per tonne of material

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SMITHERS LAB:
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TEL (604) 847-3004
FAX (604) 847-3005

Analysis Certificate

5V-0453-PA3

Company: **American Bullion Minerals Ltd.**
Project: **Red Chris**
Attn: **Wayne Roberts**

Date: NOV-03-95

We *hereby certify* the following analysis of 24 samples as requested by Wayne Roberts on Oct-12-95

Sample Number	Paste pH	Total Sulfur (%)	Sulfur - present in the form of SO_4 (%)	Neutralization Potential*	Acid Potential*	Net Neutralization Potential*
92698	8.45	5.88	0.50	288.01	168.13	119.88
97607	8.15	5.40	3.36	30.45	63.75	-33.30
97690	7.85	5.05	0.24	34.37	150.31	-115.94
97722	9.35	3.08	0.33	71.47	85.94	-14.47
97774	7.70	6.44	1.64	46.74	150.00	-103.26
97831	8.20	2.39	0.42	103.89	61.56	42.33
93195	9.25	2.67	0.34	137.81	72.81	65.00
93336	8.65	1.93	0.29	98.76	51.25	47.51
93423	8.15	3.94	0.31	99.67	113.44	-13.77
93466	8.90	2.45	0.35	115.79	65.63	50.17
93613	7.95	5.18	0.28	50.36	153.13	-102.77
93784	8.30	5.55	0.38	131.18	161.56	-30.38
93987	8.30	3.89	0.34	82.63	110.94	-28.31
99190	7.85	4.96	0.32	62.42	145.00	-82.58
94198	7.90	4.06	0.37	90.47	115.31	-24.84
94362	8.55	4.14	0.31	97.11	119.69	-22.58
99317	9.60	1.57	0.44	154.40	35.31	119.09
94413	8.30	3.33	0.31	77.50	94.38	-16.87
99364	8.15	4.29	2.06	84.14	69.69	14.45
99456	8.05	4.94	0.30	53.67	145.00	-91.33
94742	8.50	1.71	0.30	65.44	44.06	21.38
94744	9.05	1.45	0.30	69.06	35.94	33.12
94747	9.55	1.38	0.25	61.22	35.31	25.90
94749	9.45	1.60	0.24	50.96	42.50	8.46
92698 Dup.		5.82	0.49	288.01	166.56	121.45
93613 Dup.		5.14	0.26	50.96	152.50	-101.54
94742 Dup.		1.68	0.29	65.14	43.44	21.70

*Kg $CaCO_3$ equivalent per tonne of material

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Analysis Certificate

5V-0453-PA4

Company: **American Bullion Minerals Ltd.**
Project: **Red Chris**
Attn: **Wayne Roberts**

Date: NOV-03-95

We *hereby certify* the following analysis of 24 samples as requested by Wayne Roberts on Oct-12-95

Sample Number	Paste pH	Total Sulfur (%)	Sulfur - present in the form of SO_4 (%)	Neutralization Potential*	Acid Potential*	Net Neutralization Potential*
94751	9.50	1.47	0.25	71.77	38.13	33.65
94760	8.75	1.36	0.22	47.34	35.63	11.72
94762	8.60	1.73	0.22	44.63	47.19	-2.56
94764	8.50	1.71	0.24	56.69	45.94	10.75
94766	9.05	1.92	0.31	132.83	50.31	82.52
94767	9.20	1.83	0.16	29.85	52.19	-22.34
94753	8.20	1.50	0.21	49.75	40.31	9.44
94754	8.45	1.54	0.22	57.29	41.25	16.04
94756	8.35	1.35	0.24	89.57	34.69	54.88
94757	8.30	1.39	0.20	48.85	37.19	11.66
94758	8.80	1.27	0.24	75.99	32.19	43.81
94769	8.35	1.71	0.26	72.07	45.31	26.76
94771	8.55	1.82	0.31	89.87	47.19	42.68
94773	9.60	1.49	0.23	53.37	39.38	14.00
94774	9.65	1.43	0.21	45.83	38.13	7.71
94776	9.70	1.64	0.20	45.53	45.00	0.53
94794	8.10	1.40	0.43	143.08	30.31	112.77
94799	8.20	1.91	0.46	221.51	45.31	176.19
94806	8.60	0.64	0.43	116.10	6.56	109.53
94814	8.40	0.61	0.41	93.19	6.25	86.94
94821	8.35	0.95	0.49	303.79	14.38	289.42
94828	8.30	0.52	0.38	91.98	4.38	87.61
94839	8.25	0.69	0.49	248.05	6.25	241.80
94848	8.70	1.63	0.35	73.88	40.00	33.88
94751 Dup.		1.49	0.24	71.47	39.06	32.41
94758 Dup.		1.26	0.24	74.19	31.88	42.31
94821 Dup.		0.96	0.47	304.10	15.31	288.78

*Kg $CaCO_3$ equivalent per tonne of material

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Analysis Certificate

5V-0453-PA5

Company: **American Bullion Minerals Ltd.**
Project: **Red Chris**
Attn: **Wayne Roberts**

Date: NOV-03-95

We *hereby certify* the following analysis of 14 samples as requested by Wayne Roberts on Oct-12-95

Sample Number	Paste pH	Total Sulfur (%)	Sulfur - present in the form of SO_4 (%)	Neutralization Potential*	Acid Potential*	Net Neutralization Potential*
99652	8.10	6.25	2.17	41.31	127.50	-86.19
94852	8.25	3.62	0.46	189.09	98.75	90.34
94885	8.50	2.51	0.48	189.39	63.44	125.95
94969	9.55	0.44	0.42	161.64	0.63	161.02
95112	7.95	6.29	1.15	57.60	160.63	-103.03
96043	7.65	6.07	0.44	30.15	175.94	-145.79
95197	9.00	2.61	0.25	80.52	73.75	6.77
95265	8.70	2.92	0.28	96.95	82.50	14.45
95380	7.85	5.37	0.17	33.77	162.50	-128.73
47047	8.10	4.16	0.41	81.42	117.19	-35.76
47122	8.20	3.95	0.31	141.13	113.75	27.38
47237	8.15	4.66	0.63	126.65	125.94	0.72
45556	8.10	4.65	1.90	75.09	85.94	-10.85
47426	7.95	7.37	2.84	33.77	141.56	-107.80
99652 Dup.		6.20	2.10	41.31	128.13	-86.82

*Kg $CaCO_3$ equivalent per tonne of material

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ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK: PROCEDURE FOR WHOLE ROCK ANALYSIS

SiO_2, TiO_2, Al_2O_3, MnO, MgO, Fe_2O_3, CaO, Na_2O, K_2O, P_2O_5, Ba, Sr

Pulp samples are weighed and fused at 1000 C with lithium metaborate prior to being dissolved in a nitric acid. The resulting soluutions are analyzed by ICP. The CANMET standards are employed as check standards with each set of 24 samples.

COMP: AMERICAN BULLION MINERALS **MIN-EN LABS — WHOLE ROCK ANALYSIS** FILE NO: 5V-0453-PL1+2
PROJ: RED CHRIS 8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8 DATE: 95/10/31
ATTN: Wayne Roberts TEL:(604)327-3436 FAX:(604)327-3423 * pulp • (ACT:F26)

SAMPLE NUMBER	AL2O3 %	BA %	CAO %	FE2O3 %	K2O %	MGO %	MNO %	NA2O %	P2O5 %	SIO2 %	SR %	TIO2 %	LOI %
79013	14.43	.075	5.29	5.95	2.50	2.42	.10	.01	.15	58.37	.020	.37	9.20
76651	16.00	.055	5.39	4.80	2.62	2.15	.05	.01	.19	58.47	.020	.43	8.70
79783	15.95	.020	4.96	7.80	2.10	1.94	.23	.01	.27	54.24	.025	.49	11.20
79799	13.60	.045	2.32	10.31	2.67	.86	.02	.18	.25	59.71	.035	.48	8.40
76931	14.70	.090	3.86	8.71	3.51	2.39	.20	.01	.30	56.03	.040	.49	8.60
79920	14.43	.010	6.63	7.45	2.19	2.95	.13	.01	.27	53.02	.030	.42	11.60
80027	15.35	.030	5.09	6.86	3.47	1.78	.13	.26	.22	55.93	.020	.43	9.40
80138	14.02	.040	5.56	8.16	3.13	2.45	.13	.01	.21	56.22	.020	.41	8.50
80513	16.03	.500	5.25	5.84	1.82	2.19	.14	.01	.29	54.85	.030	.45	11.70
77789	15.41	.050	4.31	9.96	3.31	2.28	.05	.01	.28	53.93	.020	.46	9.00
80653	14.88	.055	2.84	6.45	3.60	1.24	.03	.01	.24	62.69	.015	.44	6.40
80638	14.96	.050	3.39	7.55	2.87	1.41	.04	.04	.25	60.71	.040	.46	7.30
80801	16.30	.070	3.57	8.75	3.49	1.33	.02	.01	.27	56.14	.020	.51	8.40
78256	15.33	.040	2.62	5.98	4.01	1.18	.03	.01	.15	62.56	.015	.39	6.90
78393	15.40	.145	6.39	6.31	2.69	2.32	.09	.36	.28	54.11	.020	.41	10.40
81151	15.03	.070	5.05	8.01	3.32	2.09	.04	.01	.24	55.79	.020	.45	8.90
81180	14.50	.060	5.95	8.82	3.29	2.69	.04	.01	.29	53.48	.020	.45	9.70
78641	13.74	.020	7.44	6.18	2.59	3.15	.06	.02	.23	54.31	.025	.45	10.70
81317	14.63	.060	6.66	6.87	2.90	2.57	.04	.01	.28	54.98	.020	.47	9.70
81321	12.83	.060	4.95	9.29	3.22	2.20	.03	.01	.19	56.67	.015	.40	9.10
81417	15.56	.065	12.58	8.60	.62	4.61	.13	2.07	.02	43.31	.045	.68	10.90
81437	15.06	.045	6.50	6.22	2.69	3.08	.07	.01	.23	54.47	.020	.43	10.50
81457	14.76	.055	6.88	7.49	2.63	2.60	.05	.01	.29	54.14	.015	.47	9.80
60181	15.81	.240	4.77	4.96	2.99	1.81	.02	.95	.20	59.54	.035	.41	7.20
81583	10.30	.205	11.83	11.20	.62	7.12	.35	1.16	.97	41.43	.040	.66	12.90
81584	9.37	.160	12.12	10.88	.61	7.33	.32	1.17	.89	42.31	.040	.59	13.00
81593	8.37	.050	12.05	10.42	.19	6.14	.31	.01	.72	46.95	.055	.55	13.40
60274	15.41	.245	6.38	6.38	2.26	2.51	.09	.01	.30	54.17	.030	.50	10.70
81804	15.82	.070	6.40	7.26	2.35	2.05	.15	1.10	.31	53.16	.030	.44	9.80
60531	15.60	.025	5.57	6.84	2.46	2.05	.04	1.26	.30	55.30	.025	.49	9.20
81934	14.07	.020	6.48	6.41	1.81	2.41	.14	.01	.23	54.98	.025	.41	12.00
83024	14.63	.045	5.74	6.20	2.96	2.34	.14	.01	.17	56.66	.020	.37	9.70
82279	13.84	.035	7.76	7.56	2.92	3.14	.10	.01	.22	53.21	.020	.40	9.80
92046	15.79	.130	4.16	7.96	3.47	1.95	.08	.01	.27	56.19	.030	.47	8.50
96560	16.16	.125	2.06	7.24	4.08	1.02	.02	.01	.19	60.88	.025	.44	6.60
96590	15.97	.060	6.23	7.10	2.19	2.41	.03	.96	.31	53.98	.020	.51	9.30
92185	15.49	.170	5.50	7.12	2.66	2.40	.10	.01	.26	55.56	.020	.43	9.20
92265	14.98	.050	5.42	7.96	2.48	2.43	.28	1.82	.30	53.80	.030	.49	9.10
96764	11.85	.055	11.54	8.69	2.67	5.51	.11	.01	.19	45.49	.025	.33	12.40
96820	17.13	.060	3.30	6.30	3.87	1.58	.11	.01	.26	58.20	.020	.49	7.70
92316	16.05	.075	5.47	7.14	3.05	2.71	.11	.01	.31	54.72	.020	.46	9.20
96889	14.63	.035	5.89	9.47	2.95	2.75	.16	.01	.36	52.22	.020	.49	10.00
92390	7.27	.055	15.72	9.44	.17	8.16	.31	.01	.60	38.75	.030	.46	18.20
92400	6.56	.040	7.84	12.72	.02	19.99	.34	.03	.63	41.39	.065	.43	8.80
92411	9.12	.360	10.02	11.47	.24	13.61	.33	.82	.67	42.72	.820	.51	8.40
97502	15.48	.025	5.45	8.52	2.40	2.30	.10	.01	.32	53.84	.020	.49	10.30
92679	9.19	.195	11.80	10.71	.38	9.36	.25	.82	.70	41.93	.045	.56	13.20
92689	6.60	.055	15.68	9.27	.09	8.29	.29	.01	.64	37.82	.030	.40	19.80

COMP: AMERICAN BULLION MINERALS

PROJ: RED CHRIS

ATTN: Wayne Roberts

MIN-EN LABS — WHOLE ROCK ANALYSIS

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8

TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0453-PL3+4

DATE: 95/10/31

* * (ACT:F26)

SAMPLE NUMBER	AL203 %	BA %	CAO %	FE203 %	K20 %	MGO %	MNO %	NA20 %	P205 %	SIO2 %	SR %	TIO2 %	LOI %
92698	8.91	.055	12.48	12.37	.64	8.08	.27	.29	.84	41.35	.035	.54	13.00
97607	14.43	.055	8.69	3.31	2.44	1.48	.18	4.02	.16	53.11	.075	.40	10.70
97690	17.00	.085	2.31	6.78	4.36	1.47	.15	.28	.27	59.10	.070	.48	6.70
97722	15.29	.095	5.87	7.09	3.57	1.67	.11	2.83	.30	56.70	.045	.44	4.90
97774	15.21	.075	5.91	6.77	4.27	1.59	.17	.84	.23	54.53	.050	.44	9.10
97831	15.85	.045	5.41	5.37	4.49	2.15	.20	.01	.22	56.74	.065	.42	8.00
93195	15.58	.060	6.47	6.48	3.03	2.64	.05	.55	.25	54.71	.025	.47	8.70
93336	16.93	.030	5.48	4.49	3.41	2.08	.06	.28	.24	56.78	.020	.43	8.60
93423	16.14	.085	5.47	7.88	3.06	2.01	.15	.33	.35	53.33	.020	.48	10.00
93466	15.39	.075	6.14	6.03	3.96	1.97	.07	2.26	.23	55.45	.080	.43	6.90
93613	16.26	.090	4.35	7.03	4.15	1.04	.09	.01	.16	58.83	.080	.41	6.80
93784	14.02	.130	6.11	10.53	3.59	2.68	.21	1.24	.26	49.84	.025	.40	10.30
93987	16.62	.085	5.05	6.97	2.34	1.86	.11	1.47	.33	55.18	.070	.51	8.50
99190	14.19	.155	2.15	11.51	3.97	2.23	.38	.01	.16	54.62	.025	.40	9.40
94198	16.88	.050	5.06	6.56	3.18	2.28	.10	.01	.27	54.95	.060	.54	9.30
94362	15.82	.080	5.06	5.66	3.57	2.31	.09	.17	.18	56.87	.025	.40	8.70
99317	14.24	.125	5.39	9.16	3.06	3.93	.37	.24	.29	50.46	.025	.46	11.20
94413	16.15	.080	5.94	5.07	2.67	2.02	.15	2.62	.21	57.04	.040	.40	6.60
99364	14.23	.100	7.29	6.99	3.33	2.38	.23	1.87	.32	47.44	.060	.46	14.40
99456	15.94	.050	4.43	7.34	2.62	2.81	.22	3.21	.33	54.55	.040	.53	6.80
94742	13.51	.040	5.83	5.02	2.11	1.93	.05	1.26	.13	58.67	.020	.62	10.00
94744	13.54	.075	5.73	5.12	2.16	1.97	.05	1.29	.12	58.47	.045	.64	9.70
94747	13.75	.070	4.98	4.89	2.11	1.83	.05	1.62	.11	58.91	.035	.64	10.30
94749	13.95	.080	4.45	4.89	2.25	1.74	.04	1.61	.07	59.79	.030	.62	9.70
94751	13.84	.085	5.72	5.10	2.15	1.85	.05	1.44	.15	58.79	.040	.61	9.40
94760	14.38	.050	4.37	5.78	2.35	2.29	.05	1.44	.16	57.84	.025	.68	9.80
94762	14.67	.055	4.77	5.78	2.36	2.25	.04	1.53	.22	57.52	.030	.70	9.20
94764	13.91	.050	5.18	5.75	2.13	2.16	.05	1.49	.21	58.70	.035	.67	8.60
94766	13.43	.050	9.46	4.92	2.09	1.87	.05	1.56	.23	55.07	.040	.63	9.80
94767	14.01	.045	3.20	4.91	2.21	1.80	.03	1.48	.23	61.23	.035	.66	9.30
94753	13.98	.055	4.77	5.30	2.36	2.06	.05	1.19	.19	59.18	.025	.66	9.50
94754	13.44	.050	5.41	4.76	2.10	1.93	.04	1.14	.22	58.91	.025	.64	10.50
94756	13.17	.040	6.95	4.61	2.18	2.02	.07	1.16	.21	56.73	.030	.59	11.60
94757	13.07	.050	4.41	4.84	2.10	2.04	.04	1.08	.15	60.53	.030	.62	10.00
94758	12.20	.045	6.00	4.07	1.87	1.70	.11	1.33	.15	62.03	.035	.56	9.10
94769	13.86	.065	6.15	5.65	2.38	2.11	.06	1.20	.19	57.75	.025	.65	8.90
94771	12.83	.050	7.04	4.78	1.99	1.81	.05	1.20	.17	58.04	.045	.60	10.30
94773	13.39	.070	4.77	4.78	2.07	1.85	.04	1.49	.16	60.38	.035	.61	9.60
94774	13.45	.490	4.35	4.68	2.22	1.85	.04	1.34	.15	60.38	.030	.61	9.50
94776	13.95	.050	4.14	5.02	2.37	1.92	.04	1.50	.13	60.11	.030	.62	9.40
94794	9.02	.035	11.72	10.29	.16	10.83	.21	2.28	.86	44.39	.050	.56	8.60
94799	9.86	.130	11.17	10.37	1.10	7.27	.46	1.76	.77	43.65	.060	.58	11.80
94806	8.03	.180	11.54	10.81	.20	14.67	.28	1.05	.71	42.85	.055	.50	8.30
94814	7.57	.100	11.31	10.47	.11	15.70	.21	.87	.57	43.24	.040	.44	8.40
94821	9.35	.100	13.18	9.76	.89	6.84	.19	1.99	.72	40.09	.060	.57	15.20
94828	8.20	.025	10.86	10.84	.06	14.52	.24	1.30	.66	44.65	.045	.50	6.80
94839	7.58	.075	14.34	10.36	.21	12.16	.27	.56	.56	38.55	.035	.44	13.90
94848	6.53	.015	9.74	10.58	.05	19.98	.25	.04	.62	43.49	.045	.42	7.40

COMP: AMERICAN BULLION MINERALS

MIN-EN LABS — WHOLE ROCK ANALYSIS

FILE NO: 5V-0453-PL5

PROJ: RED CHRIS

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8

DATE: 95/10/31

ATTN: Wayne Roberts

TEL:(604)327-3436 FAX:(604)327-3423

* * (ACT:F26)

SAMPLE NUMBER	AL203 %	BA %	CAO %	FE203 %	K20 %	MGO %	MNO %	NA20 %	P205 %	SIO2 %	SR %	TIO2 %	LOI %
99652	14.73	.090	5.96	5.40	3.06	1.51	.07	2.49	.24	54.01	.055	.39	11.20
94852	11.76	.095	9.48	11.77	.85	5.80	.28	2.51	.98	45.60	.050	.78	9.20
94885	8.30	.195	8.79	10.06	.59	14.04	.40	.03	.52	44.00	.060	.40	11.40
94969	14.94	.025	12.43	8.22	.60	5.57	.15	1.74	.08	46.25	.040	.61	8.20
95112	15.20	.065	4.72	6.68	4.28	1.89	.23	.10	.30	55.30	.025	.41	10.10
96043	15.28	.080	3.32	6.84	3.97	1.10	.03	.01	.22	59.72	.060	.42	8.20
95197	15.02	.105	4.81	6.06	4.12	1.58	.17	2.09	.24	58.44	.035	.37	6.00
95265	15.45	.105	4.94	5.25	4.34	1.97	.20	.46	.23	57.77	.040	.41	8.00
95380	16.19	.050	2.13	7.50	3.70	1.91	.25	1.70	.33	57.35	.020	.44	7.60
47047	15.96	.090	5.25	6.49	3.59	2.26	.43	1.58	.32	56.16	.035	.42	6.40
47122	13.66	.040	6.91	7.46	2.27	2.29	.10	.08	.29	54.23	.030	.42	10.90
47237	14.44	.070	5.92	6.89	3.42	2.49	.23	.01	.30	54.85	.075	.44	10.00
45556	14.68	.075	7.14	6.80	3.12	2.27	.12	2.25	.33	51.13	.065	.47	10.50
47426	14.35	.065	7.64	5.44	3.73	.90	.04	.22	.25	53.63	.050	.42	12.50

COMP: AMERICAN BULLION MINERALS LTD
PROJ: RED CHRIS
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0453-PJ1+2
DATE: 95/10/30
* pulp * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
79013	.1	.33	35	125	2.0	1	2.37	.1	7	11	172	3.05	1	.16	1	1.11	557	1	.02	11	790	80	8	1	95	1	.01	1	12.0	1	534
76651	.2	.37	78	59	1.7	1	2.18	.1	7	43	296	2.38	1	.15	2	.95	293	11	.04	13	910	35	1	2	65	1	.01	1	16.0	2	52
79783	.1	.46	1	17	2.3	2	2.25	.1	11	22	983	4.01	1	.22	2	.81	1388	11	.06	15	1110	82	1	1	48	1	.01	1	31.1	2	457
79799	.2	.25	87	47	2.7	1	.71	.1	15	40	1335	5.45	1	.15	1	.25	92	13	.02	28	1040	62	2	1	43	1	.01	1	6.9	1	43
76931	.1	.36	1	118	2.5	1	1.89	.1	14	16	1420	4.20	1	.27	1	.97	1211	8	.01	16	1120	73	3	1	39	1	.01	1	19.5	1	122
79920	.1	.42	50	33	2.2	1	2.56	.1	9	27	1285	3.57	1	.22	2	1.34	755	35	.01	12	980	53	1	1	65	1	.01	1	28.2	1	126
80027	1.1	.57	72	45	2.4	6	2.38	.1	9	47	691	3.81	2	.31	3	.78	859	30	.12	14	1140	69	5	1	104	1	.01	1	16.9	4	491
80138	1.2	.31	168	69	2.8	7	2.46	.1	16	22	652	4.44	2	.21	2	1.14	849	10	.01	17	1020	92	41	1	49	1	.01	1	16.0	2	234
80513	.3	.47	91	493	2.3	7	2.46	.1	11	17	70	3.13	1	.19	4	1.17	909	3	.01	14	1330	50	2	1	171	1	.01	1	49.9	2	182
77789	1.2	.34	186	145	2.7	3	2.04	.1	11	20	836	4.03	3	.27	2	1.02	277	8	.02	16	1200	51	1	1	83	1	.01	1	20.4	1	70
80653	1.4	.33	136	61	2.4	3	1.00	.1	14	35	1055	3.71	4	.25	1	.37	169	25	.01	14	1190	61	5	1	48	1	.01	1	5.9	2	83
80638	2.0	.38	161	46	2.8	6	1.20	.1	14	41	764	4.40	5	.22	3	.52	217	17	.01	18	990	88	25	1	25	1	.01	1	8.8	2	108
80801	1.7	.71	94	107	2.8	5	1.37	.1	19	29	1047	4.67	6	.38	3	.45	126	18	.01	14	1380	58	6	1	53	1	.01	1	18.4	2	41
78256	1.3	.30	93	73	1.9	1	.92	.1	12	31	1735	3.43	1	.24	1	.32	152	33	.01	12	820	52	14	1	8	1	.01	1	5.1	2	43
78393	.2	.54	54	209	2.3	5	2.66	.1	12	34	155	3.49	1	.29	3	1.16	628	3	.01	12	1290	52	4	1	94	1	.01	1	23.6	2	105
81151	.5	.40	120	82	2.5	4	2.25	.1	15	51	286	4.31	1	.24	1	.96	251	8	.01	14	1210	53	1	1	33	1	.01	1	8.6	2	50
81180	.4	.55	87	58	2.6	1	2.44	.1	13	38	1050	4.26	1	.34	1	1.16	198	12	.01	14	1180	46	1	1	53	1	.01	1	25.4	1	31
78641	1.4	.50	188	72	2.2	1	2.88	.1	18	69	1369	3.39	1	.28	3	1.51	394	15	.01	16	1050	50	6	3	91	1	.01	1	33.7	4	80
81317	1.8	.41	217	72	2.5	1	2.67	.1	10	30	1400	3.66	4	.24	2	1.23	278	15	.02	14	1240	48	3	3	90	1	.01	1	30.1	2	23
81321	1.9	.31	256	58	3.1	3	2.38	.1	16	37	1597	5.42	6	.24	2	.90	211	15	.02	18	1050	63	1	1	65	1	.01	1	13.0	2	31
81417	1.4	3.20	1	279	3.4	10	4.23	.1	33	162	79	4.71	1	.09	22	2.58	849	3	.20	96	170	46	19	3	383	1	.01	1	124.7	9	95
81437	1.3	.36	225	61	2.5	8	2.67	.1	10	23	73	3.73	2	.18	2	1.57	488	3	.01	15	1110	68	3	1	132	1	.01	1	9.5	1	147
81457	1.3	.55	160	91	2.6	1	2.68	.1	14	28	1361	4.08	2	.29	3	1.27	317	10	.03	14	1300	55	1	3	85	1	.01	1	32.5	2	63
60181	.7	.42	68	130	1.6	1	2.17	.1	9	38	1936	2.62	1	.24	1	.77	134	16	.03	10	1040	41	1	2	199	1	.01	1	10.5	2	73
81583	.1	1.32	1	100	3.8	7	4.79	.1	38	190	170	5.41	1	.12	9	3.20	1858	1	.03	114	2970	65	1	3	192	1	.01	1	85.4	8	206
81584	.1	1.72	1	154	4.1	4	4.57	.1	33	224	207	5.33	1	.15	15	3.78	1824	1	.03	105	2680	48	1	5	220	1	.01	1	76.8	9	181
81593	.1	.40	212	78	3.4	7	4.41	.1	36	128	189	5.15	1	.06	3	3.23	1786	1	.01	93	2180	60	1	6	139	1	.01	1	88.1	4	271
60274	.3	.46	99	124	1.9	2	2.76	.1	12	26	265	3.19	1	.23	2	1.13	525	6	.01	14	1270	42	1	2	165	1	.01	1	38.7	1	60
81804	.2	.35	37	282	1.8	1	2.84	.1	7	19	1385	2.50	1	.19	1	1.07	900	1	.09	10	1270	34	1	1	136	1	.01	1	40.4	1	46
60531	.9	.52	85	40	2.1	1	2.60	.1	9	21	1091	3.38	1	.28	2	.95	236	17	.03	13	1230	45	1	1	135	1	.01	1	28.6	1	53
81934	.6	.40	107	79	2.3	2	2.99	.1	10	32	809	3.53	1	.18	2	1.30	912	11	.07	15	1160	48	19	2	103	1	.01	1	44.1	2	267
83024	.8	.43	89	78	2.1	8	2.76	.1	10	23	273	3.24	2	.26	2	1.13	892	5	.05	16	900	44	1	1	94	1	.01	1	18.1	1	41
82279	1.3	.39	158	107	2.3	1	3.00	.1	12	30	1084	3.63	1	.27	1	1.38	580	7	.06	16	920	57	1	3	94	1	.01	1	23.6	1	72
92046	1.0	.38	92	101	2.2	1	2.10	.1	14	18	1198	3.98	1	.25	1	.67	473	33	.02	17	1080	55	1	1	63	1	.01	1	13.4	1	88
96560	1.3	.32	89	118	2.1	1	.72	.1	16	37	1604	3.82	4	.22	2	.22	72	52	.03	13	920	54	3	1	44	1	.01	1	3.7	1	52
96590	1.6	.52	170	95	2.4	2	2.75	.1	12	36	848	3.62	4	.23	3	1.13	169	24	.04	13	1360	45	1	1	92	1	.01	1	36.4	2	30
92185	1.3	.42	161	48	2.3	7	2.73	.1	11	21	365	3.76	3	.22	2	1.08	609	10	.02	15	1120	64	1	1	33	1	.01	1	19.8	1	55
92265	.1	.70	1	57	2.6	1	2.74	.1	12	21	1749	4.28	1	.15	5	1.29	1766	13	.08	19	1270	125	3	1	124	1	.01	1	53.2	2	892
96764	1.8	.35	328	129	2.7	4	4.48	.1	10	30	621	4.54	1	.21	2	2.85	686	5	.05	17	710	59	1	5	89	1	.01	1	16.7	1	89
96820	.7	.44	50	61	2.1	7	1.33	.1	11	17	36	3.47	1	.26	1	.51	603	1	.01	14	1230	109	2	1	41	1	.01	1	9.7	1	690
92316	.6	.38	124	60	2.4	7	2.64	.1	9	19	212	3.77	1	.21	1	1.19	643	2	.03	14	1150	68	1	1	73	1	.01	1	15.1	1	143
96889	3.9	.39	99	45	2.8	3	2.74	.1	16	34	942	4.77	1	.24	1	1.20	938	6	.01	25	1350	85	1	1	31	1	.01	1	29.9	2	172
92390	.4	.39	259	118	3.1	5	6.82	.1	37	123	200	4.59	1	.05	3	4.14	1727	1	.01	79	1920	50	1	4	245	1	.01	1	85.7	4	149
92400	.6	1.75	74	97	3.5	5	1.41	.1	50	292	223	5.26	1	.01	7	4.73	901	1	.02	177	1800	41	1	6	713	1	.02	1	42.6	10	220
92411	1.2	2.17	1	75	3.7	5	3.19	.1	40	236	156	4.82	1	.07	12	4.39	1170	1	.08	116	2060	48	4	4	8116	1	.01	1	96.5	9	153
97502	1.1	.46	142	67	2.6	3	2.67	.1	13	21	1224	4.56	1	.22	3	1.09	635	4	.07	17	1360	62	1	1	101	1	.01	1	41.0	1	69
92679	.7	2.24	1	164	3.9	5	4.33	.1	39	299	128	5.29	1	.09	20	4.94	1418	1	.02	151	2240	41	1	7	291	1	.01	1	131.2	12	113
92689	.7	.28	337	137	3.0	6	7.38	.1	37	122	126	4.82	1	.04	2	4.47	1665	1	.01	82	2060	53	1	6	213	1	.01	1	94.6	3	181

COMP: AMERICAN BULLION MINERALS LTD
PROJ: RED CHRIS
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0453-PJ3+4
DATE: 95/10/30
* * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
92698	.1	1.02	88	76	3.8	3	4.59	.1	39	154	268	5.76	1	.09	6	3.82	1429	1	.02	90	2380	56	1	4	211	1	.01	1	81.9	5	95
97607	.3	.53	1	69	1.1	4	3.68	.1	5	27	184	1.77	1	.11	5	.60	1068	20	.04	9	940	38	3	1	679	1	.01	1	24.9	1	334
97690	1.5	.22	4	131	2.3	3	1.02	.1	13	24	784	3.77	1	.21	1	.33	859	17	.03	17	1120	78	3	1	710	1	.01	1	4.5	1	580
97722	.4	.90	1	177	2.1	1	2.75	.1	10	22	1617	3.64	1	.20	10	.81	732	7	.07	13	1360	49	2	1	337	1	.01	1	41.2	1	71
97774	.6	.23	1	79	2.1	1	2.77	.1	7	26	1031	3.69	1	.22	1	.43	961	3	.03	13	1150	125	1	1	438	1	.01	1	7.9	1	719
97831	.1	.23	1	127	1.9	1	2.70	.1	8	17	1197	2.60	1	.23	1	.93	1221	8	.06	10	940	46	1	3	646	1	.01	1	10.7	1	117
93195	.6	.38	141	121	2.2	1	2.89	.1	10	25	1484	3.38	1	.22	1	1.29	299	25	.07	10	1150	46	1	2	109	1	.01	1	24.1	1	62
93336	.1	.30	32	42	1.6	1	2.67	.1	8	17	1881	2.22	1	.22	1	.93	342	30	.03	8	1070	36	1	3	131	1	.01	1	10.9	1	59
93423	.1	.32	1	102	2.3	3	2.68	.1	11	14	134	3.82	1	.21	1	.87	871	3	.01	13	1310	64	1	1	61	1	.01	1	19.7	1	217
93466	.1	.25	63	164	1.7	1	2.77	.1	8	20	976	2.94	1	.22	1	.89	439	18	.05	10	1010	46	1	1	816	1	.01	1	15.4	1	60
93613	.6	.18	1	99	2.1	4	2.24	.1	9	17	151	3.78	1	.14	1	.17	483	3	.01	13	950	76	1	1	799	1	.01	1	1.4	1	308
93784	.1	.27	100	70	3.0	3	2.93	.1	14	23	815	5.71	1	.27	1	1.19	1290	17	.02	19	1070	77	1	1	82	1	.01	1	17.6	1	77
93987	.5	.48	25	156	2.1	2	2.68	.1	11	22	665	3.78	1	.15	3	.84	655	5	.02	13	1340	57	1	1	699	1	.01	1	24.4	1	186
99190	.1	.20	1	72	3.7	2	1.22	.1	12	21	1790	6.56	1	.21	1	1.04	2541	7	.02	30	860	93	35	1	38	1	.01	1	14.7	1	112
94198	.4	.33	116	92	2.4	2	2.70	.1	16	41	924	3.68	1	.16	2	.92	607	35	.02	17	1230	57	1	1	775	1	.01	1	19.7	2	80
94362	.6	.28	154	103	2.3	5	2.79	.1	10	10	101	3.32	1	.16	1	1.02	593	1	.03	18	990	62	1	1	169	1	.01	1	12.8	1	157
99317	.1	.67	1	328	3.0	9	3.10	.1	12	43	60	5.00	1	.23	6	2.20	2496	1	.08	25	1120	64	1	3	85	1	.01	1	55.5	2	102
94413	.1	.83	1	118	2.0	5	2.90	.1	9	25	16	2.98	1	.14	6	.97	1001	2	.03	15	1030	46	2	2	97	1	.01	1	40.5	1	78
99364	.1	.40	14	91	2.3	6	3.42	.1	9	26	275	3.77	1	.26	3	1.16	1576	23	.04	16	1280	63	1	2	522	1	.01	1	34.6	1	243
99456	.1	.94	1	96	2.6	6	2.50	.1	13	23	403	4.21	1	.13	10	1.41	1421	10	.03	16	1480	67	1	1	51	1	.01	1	64.2	1	149
94742	.9	.90	1	65	1.6	6	2.84	.1	8	13	51	2.34	1	.23	13	.62	342	7	.03	24	710	36	4	1	107	1	.01	1	26.7	1	161
94744	1.2	1.10	1	199	1.8	5	2.86	.1	7	13	34	2.51	3	.23	17	.69	335	7	.11	23	760	37	7	1	474	1	.01	1	29.2	1	152
94747	1.5	.97	1	265	1.9	6	2.61	.1	7	13	36	2.38	3	.19	17	.60	309	6	.22	27	770	34	6	1	357	1	.01	1	31.5	1	148
94749	1.5	.92	1	293	1.8	6	2.49	.1	7	11	36	2.40	2	.19	15	.53	267	9	.24	26	610	37	5	1	325	1	.01	1	31.6	1	245
94751	1.8	1.08	1	319	2.0	8	3.27	.1	8	12	33	2.74	6	.20	17	.64	360	8	.24	25	770	45	9	1	551	1	.01	1	27.0	1	180
94760	1.4	1.25	1	74	2.2	7	2.33	.1	10	17	38	3.09	3	.19	18	.93	326	4	.02	29	780	46	7	1	102	1	.01	1	26.9	1	117
94762	1.7	1.15	1	81	2.2	9	2.42	.1	10	18	32	3.02	6	.20	18	.88	276	4	.04	32	890	44	8	1	190	1	.01	1	26.5	2	123
94764	1.2	1.12	1	72	2.2	9	2.87	.1	10	18	29	3.06	3	.19	17	.87	377	5	.05	31	910	45	6	1	264	1	.01	1	27.2	1	131
94766	1.8	.91	1	92	1.7	8	4.44	.1	8	14	31	2.52	4	.19	14	.66	361	6	.11	26	880	39	6	1	406	1	.01	1	27.0	1	141
94767	1.6	.92	1	67	1.9	8	1.20	.1	8	15	35	2.48	4	.22	13	.56	197	5	.15	26	840	38	6	1	356	1	.01	1	31.6	1	139
94753	.9	1.12	1	71	2.0	7	2.71	.1	9	15	34	2.67	2	.20	15	.74	322	4	.03	30	800	34	4	1	173	1	.01	1	29.2	1	124
94754	1.2	1.01	1	92	1.8	4	2.84	.1	7	15	43	2.29	1	.22	12	.63	292	5	.03	24	910	33	4	1	191	1	.01	1	38.0	1	131
94756	1.7	.98	1	73	1.7	6	3.47	.1	6	12	33	2.29	3	.19	13	.68	488	5	.02	26	880	33	6	1	327	1	.01	1	35.3	1	120
94757	1.5	1.00	1	72	1.7	6	2.45	.1	7	13	37	2.41	2	.19	14	.70	283	8	.03	29	770	35	5	1	330	1	.01	1	40.4	1	249
94758	.8	1.04	1	68	1.4	4	3.18	.1	6	16	43	1.99	1	.19	11	.56	802	5	.16	25	670	25	5	1	331	1	.01	1	37.9	1	144
94769	.6	1.17	1	112	1.9	5	3.10	.1	9	14	31	2.81	1	.20	16	.77	415	4	.03	27	830	39	3	1	156	1	.01	1	25.2	1	117
94771	.6	.99	1	105	1.6	4	3.44	.1	7	14	33	2.28	1	.23	12	.57	355	4	.10	21	750	31	3	1	519	1	.01	1	30.7	1	117
94773	.8	.98	1	135	1.6	3	2.35	.1	6	13	31	2.18	1	.21	14	.57	235	7	.21	24	740	29	2	1	308	1	.01	1	38.9	1	203
94774	1.2	.97	1	105	1.7	4	1.79	.1	6	13	34	2.19	1	.22	15	.56	248	6	.27	22	660	33	3	1	273	1	.01	1	35.2	1	174
94776	1.0	1.02	1	93	1.9	4	1.66	.1	6	12	36	2.37	1	.22	16	.57	254	9	.28	27	610	34	3	1	274	1	.01	1	39.7	1	230
94794	1.0	2.01	1	57	3.2	4	4.38	.1	35	230	161	4.16	1	.06	11	4.50	863	1	.02	88	2720	29	1	5	403	1	.03	1	104.1	9	73
94799	.1	2.05	1	59	3.9	6	5.16	.1	39	230	168	5.20	1	.06	12	3.98	2751	1	.02	101	2500	63	1	7	488	1	.01	1	142.6	10	701
94806	.3	2.17	1	333	3.1	1	3.37	.1	30	168	119	3.43	1	.06	12	5.35	1065	1	.02	137	2160	9	1	8	473	1	.02	1	53.0	4	78
94814	.7	2.19	1	286	2.9	1	3.26	.1	35	215	77	3.48	1	.05	14	5.74	800	1	.02	151	1570	3	1	8	263	1	.02	1	70.1	6	67
94821	.8	1.55	97	138	4.2	6	5.47	.1	35	210	113	5.06	1	.10	8	3.86	1206	1	.02	88	2550	47	1	5	589	1	.01	1	102.0	8	81
94828	1.1	2.19	1	68	3.0	2	3.09	.1	33	206	94	3.47	1	.04	14	5.46	835	1	.02	127	2190	40	2	7	368	1	.03	1	68.3	6	84
94839	.9	2.42	1	229	3.5	5	5.46	.1	37	307	36	4.30	1	.05	11	5.48	1436	1	.01	172	1660	25	4	6	323	1	.01	1	76.7	11	106
94848	1.3	2.28	51	47	3.1	1	2.96	.1	44	300	100	3.40	1	.03	10	6.59	827	1	.04	178	1690	24	1	8	561	1	.02	1	40.7	8	76

COMP: AMERICAN BULLION MINERALS LTD
PROJ: RED CHRIS
ATTN: Wayne Roberts

MIN-EN LABS — ICP REPORT

8282 SHERBROOKE ST., VANCOUVER, B.C. V5X 4E8
TEL:(604)327-3436 FAX:(604)327-3423

FILE NO: 5V-0453-PJ5
DATE: 95/10/30
* pulp * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL %	AS PPM	BA PPM	BE PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	GA PPM	K %	LI PPM	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	SB PPM	SN PPM	SR PPM	TH PPM	TI %	U PPM	V PPM	W PPM	ZN PPM
99652	.4	.36	2	79	2.0	3	3.20	.1	9	29	355	3.24	1	.15	1	.51	484	4	.06	11	990	56	1	1	530	1	.01	1	5.1	1	287
94852	.1	2.28	1	110	4.6	11	4.42	.1	39	108	131	6.82	1	.12	14	3.37	1847	1	.02	67	3670	111	6	2	343	1	.01	1	165.2	5	209
94885	.1	2.46	1	293	4.0	2	4.06	.1	37	291	134	4.70	1	.13	14	6.63	2137	1	.03	170	1570	21	1	8	746	1	.01	1	95.4	9	187
94969	1.1	4.03	1	57	3.2	10	5.09	.1	31	130	79	4.66	1	.06	18	2.96	914	2	.47	85	100	43	23	3	384	1	.03	1	124.6	7	72
95112	.1	.27	29	73	2.7	8	3.02	.1	11	7	107	4.16	1	.18	1	.66	1522	2	.06	16	1300	108	3	1	211	1	.01	1	8.3	1	325
96043	.4	.28	37	106	2.3	6	1.30	.1	9	24	32	4.15	1	.18	1	.26	191	1	.03	12	1040	61	1	1	754	1	.01	1	2.6	1	131
95197	.1	.35	1	211	2.0	1	2.66	.1	7	19	1532	3.12	1	.25	1	.71	1092	3	.06	12	920	51	1	1	147	1	.01	1	21.3	1	100
95265	.1	.32	1	237	2.1	1	2.97	.1	8	16	1541	2.98	1	.25	1	.89	1371	15	.04	14	850	79	1	1	185	1	.01	1	7.2	1	206
95380	.1	.45	1	87	2.8	8	1.13	.1	14	7	114	4.65	1	.20	3	.58	1656	2	.02	18	1400	91	1	1	4	1	.01	1	12.7	1	216
47047	.1	.98	1	170	2.4	8	3.26	.1	10	16	50	3.68	1	.21	9	1.03	2908	3	.05	17	1380	70	3	1	217	1	.01	1	38.0	2	188
47122	1.0	.49	134	154	2.6	1	3.27	.1	17	49	2952	4.25	1	.20	1	1.18	637	7	.01	15	1230	59	1	1	357	1	.01	1	31.8	3	65
47237	.1	.39	11	147	2.6	7	3.28	.1	12	27	195	4.08	1	.22	1	1.22	1639	2	.05	17	1220	150	5	1	856	1	.01	1	22.7	1	279
45556	.4	.49	34	155	2.5	3	3.36	.1	13	19	529	3.74	1	.23	2	1.14	771	9	.03	13	1260	68	1	1	592	1	.01	1	31.2	1	145
47426	3.1	.32	31	105	1.9	4	3.78	.1	10	18	560	3.34	1	.20	1	.08	235	17	.07	11	1070	91	135	1	545	1	.01	1	4.7	1	187

Appendix XIII

Report on Analytical Quality

for the 1995 Drill Results

RED CHRIS PROJECT

Prepared for:

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Prepared by:

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February 1996

TABLE OF CONTENTS

Page

1. Introduction 1

2. Method 1

3. Blank 1

4. Accuracy 4

5. Bias 11

5.1 Geochemical Analysis 11

5.2 Assay Analysis 11

6. Precision, Assay Analysis 15

7. Conclusions 24

List of Figures

Figure 1 Blank, All 1995 Work Orders, Gold 2
Figure 2 Blank, All 1995 Work Orders, Copper 3
Figure 3 Standard RC-A, All 1995 Work Orders, Gold 5
Figure 4 Standard RC-A, All 1995 Work Orders, Copper 6
Figure 5 Standard RC-B, All 1995 Work Orders, Gold 7
Figure 6 Standard RC-B, All 1995 Work Orders, Copper 8
Figure 7 Min-En Standard, All 1995 Work Orders, Gold 9
Figure 8 Min-En Standard, All 1995 Work Orders, Copper 10

TABLE OF CONTENTS (...Continued)

Page

Figure 9 Geochem Duplicates, Gold 12
Figure 10 Geochem Duplicates, Gold 13
Figure 11 Geochem Duplicates, Copper 14
Figure 12 Assay Duplicates, Gold 16
Figure 13 Assay Duplicates, Gold 17
Figure 14 Assay Duplicates, Copper 18
Figure 15 Assay Duplicates, Copper 19
Figure 16 Assay Duplicates, Thompson Howart Precision Plot, Gold 21
Figure 17 Assay Duplicates, Thompson Howart Precision Plot, Copper 23

Tables:

Table 1 Comparison of Standards 4
Table 2 Thompson Howarth Precision Calculation Regression Data Gold 20
Table 3 Thompson Howarth Precision Calculation Regression Data Copper 22

References 25

Appendices:

Appendix 1 Analytical Standards, RC-A, RC-B and Min-En
Appendix 2 Geochemical Duplicate Analysis Listings
Appendix 3 Listings of Duplicate Assay Analysis
Appendix 4 Statistics and Histograms
Appendix 5 Thompson-Howarth Plots for Gold and Copper Duplicates

1. INTRODUCTION

American Bullion Metals requested that an examination of analytical quality for the 1995 drill program be undertaken as an addition to the detailed examination done on the 1994 analytical results (Smee, 1995).

Methods used for this examination are similar to those described previously. The dataset contained herein includes a blank to monitor possible contamination and transcription errors; two external standards supplied by American Bullion and an internal standard supplied by Min-En to estimate accuracy; and a series of duplicates analyzed by Min-En and Chemex to provide data on precision and bias. In addition, a selection of duplicates analyzed for copper and gold using geochemical methods was included to determine bias between the two laboratories. Each of these features is reported separately.

2. METHOD

The techniques used in this data examination were outlined in the January 1995 report, and will not be repeated here. The work certificates from Min-En were not reported by date; therefore, it was necessary to plot the time dependent data by work order number rather than date. Work orders which included more than one set of QC data have all data plotted as squares along the vertical axis of each graph. Work order numbers start at #0006 through to #0200. For plotting purposes, these numbers have been multiplied by 10,000.

3. BLANK

The insertion of a sample which is known to be free of mineralization is useful to monitor contamination. The plots of gold and copper are shown in Figures 1 and 2 respectively. Only one sample, contained in work order 0195, contained detectable gold. This is not a problem

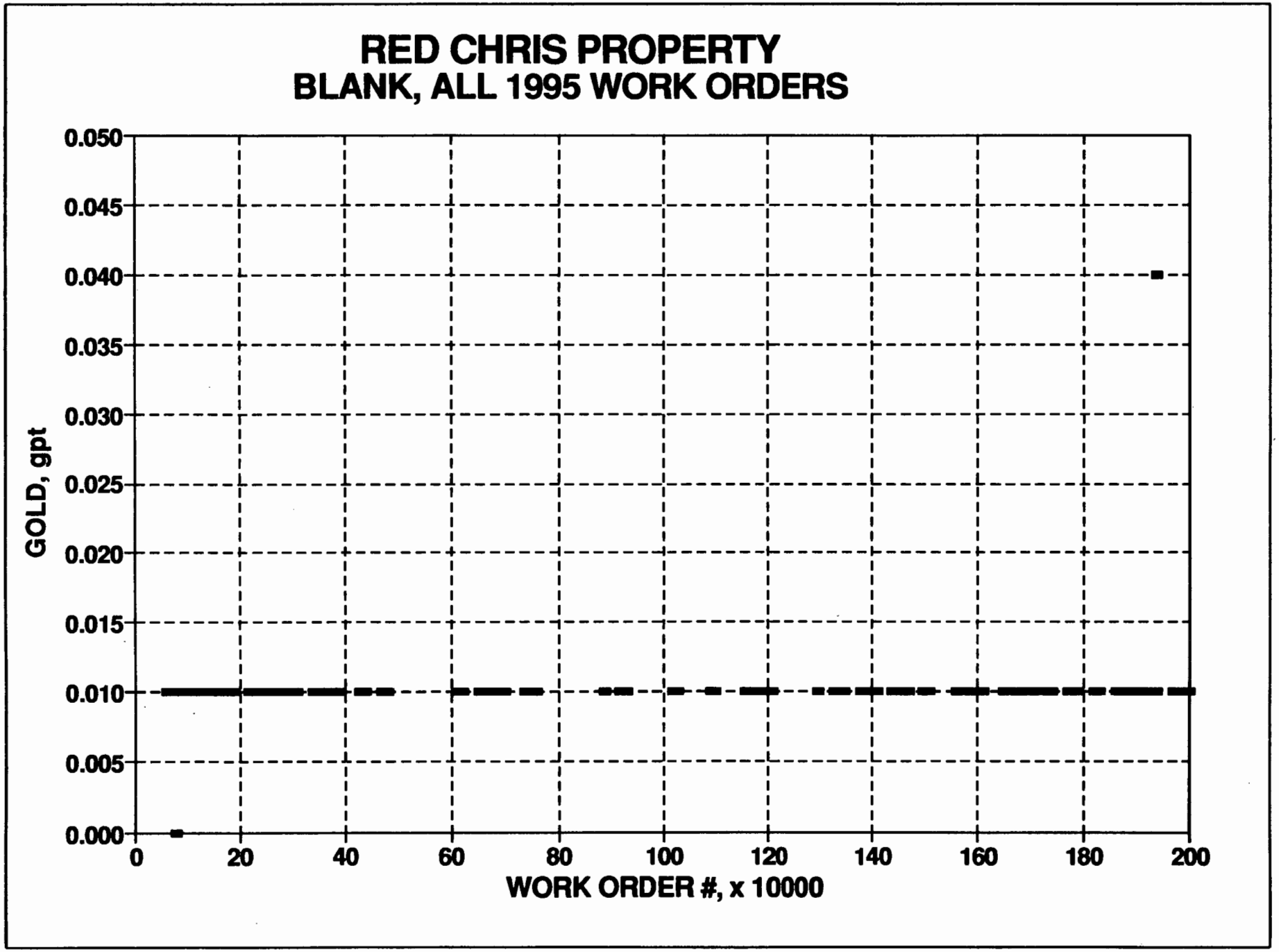

RED CHRIS PROPERTY
BLANK, ALL 1995 WORK ORDERS
GOLD, gpt
0.050
0.045
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 1

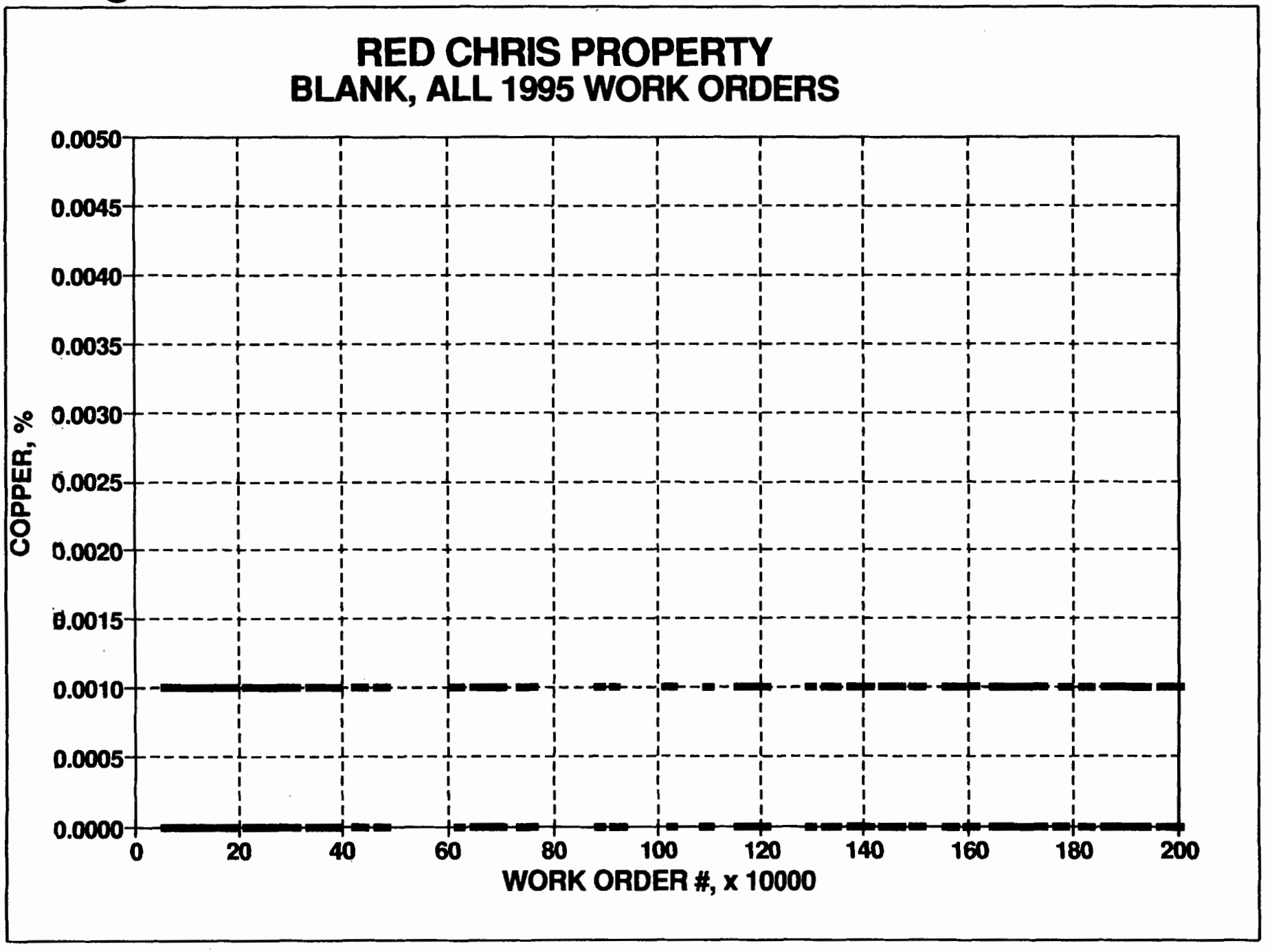

RED CHRIS PROPERTY
BLANK, ALL 1995 WORK ORDERS
COPPER, %
0.0050
0.0045
0.0040
0.0035
0.0030
0.0025
0.0020
0.0015
0.0010
0.0005
0.0000
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 2

sample. No blanks contained extraordinary concentrations of copper.

Based upon the blank analysis, contamination of samples does not appear to be a problem in this dataset.

4. ACCURACY

The data for each of the Red Chris standards plus the Min-En internal standard are contained in Appendix 1. A comparison of the two Red Chris standards for the two years is shown in Table 1. All 1995 data shows a slight decrease in mean when compared to 1994. All decreases are less than 10% and are not considered to be significant.

TABLE 1

COMPARISON OF STANDARDS

	RC-A				RC-B			
	1994 Au	1995 Au	1994 Cu	1995 Cu	1994 Au	1995 Au	1994 Cu	1995 Cu
Mean	0.137 gpt	0.125 gpt	0.474%	0.466%	0.949 gpt	0.919 gpt	1.306%	1.300 %
Difference		-0.012 gpt		-.008%		-.030 gpt		-.006%
% Difference		-8.8%		-1.69%		-3.16%		-0.46%

The time series plots for the standards are presented in Figures 3-8 inclusive. The mean and acceptable limits on the graphs are the same as used in the 1994 data. Although the slightly lower bias is easily seen in the plots, no standard fell outside the limits. The Red Chris standards appear to show that all 1995 analytical data is of a similar accuracy as the 1994 data.

The 1995 Min-En standard is similar in gold concentration to the 1994 standard, but a slight bias from high to low is noticeable throughout the time frame the standard was used (Figure 7). Only one gold value falls outside the established limits, which is statistically acceptable. The copper concentration is slightly higher in 1995, and all of the data is biased high when compared to

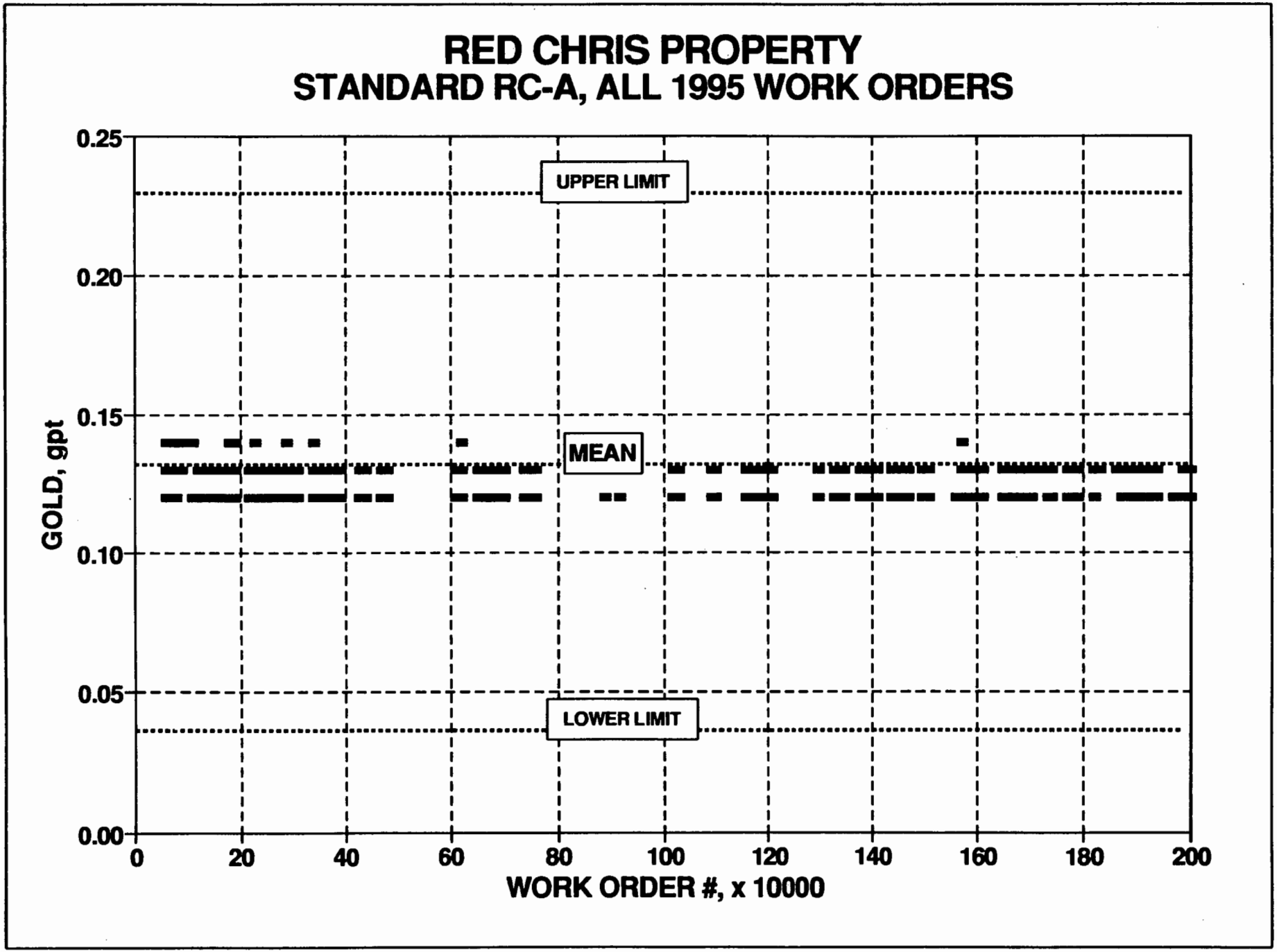

RED CHRIS PROPERTY
STANDARD RC-A, ALL 1995 WORK ORDERS
UPPER LIMIT
MEAN
LOWER LIMIT
GOLD, gpt
0.25
0.20
0.15
0.10
0.05
0.00
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 3

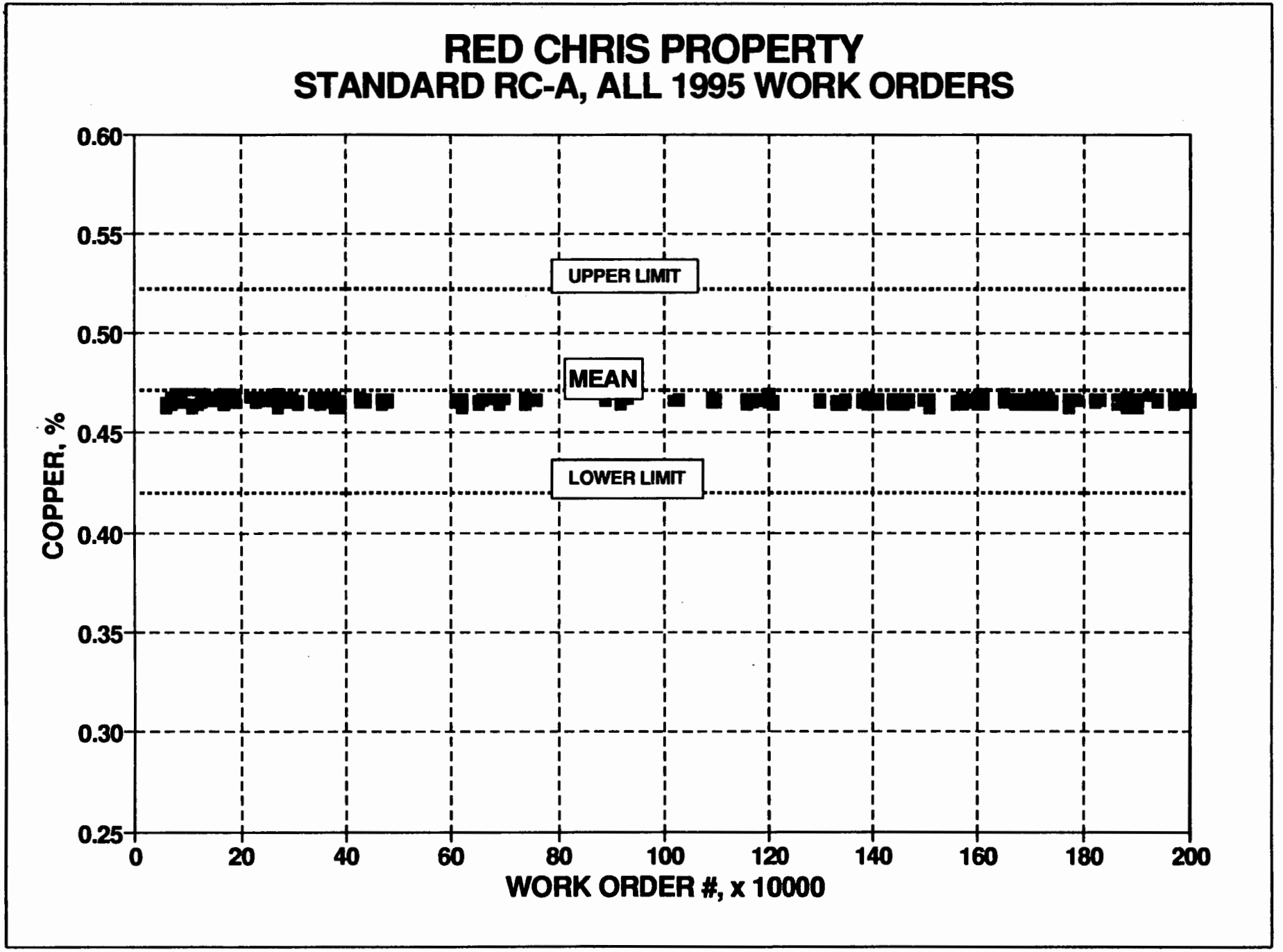

RED CHRIS PROPERTY
STANDARD RC-A, ALL 1995 WORK ORDERS
COPPER, %
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
UPPER LIMIT
MEAN
LOWER LIMIT
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 4

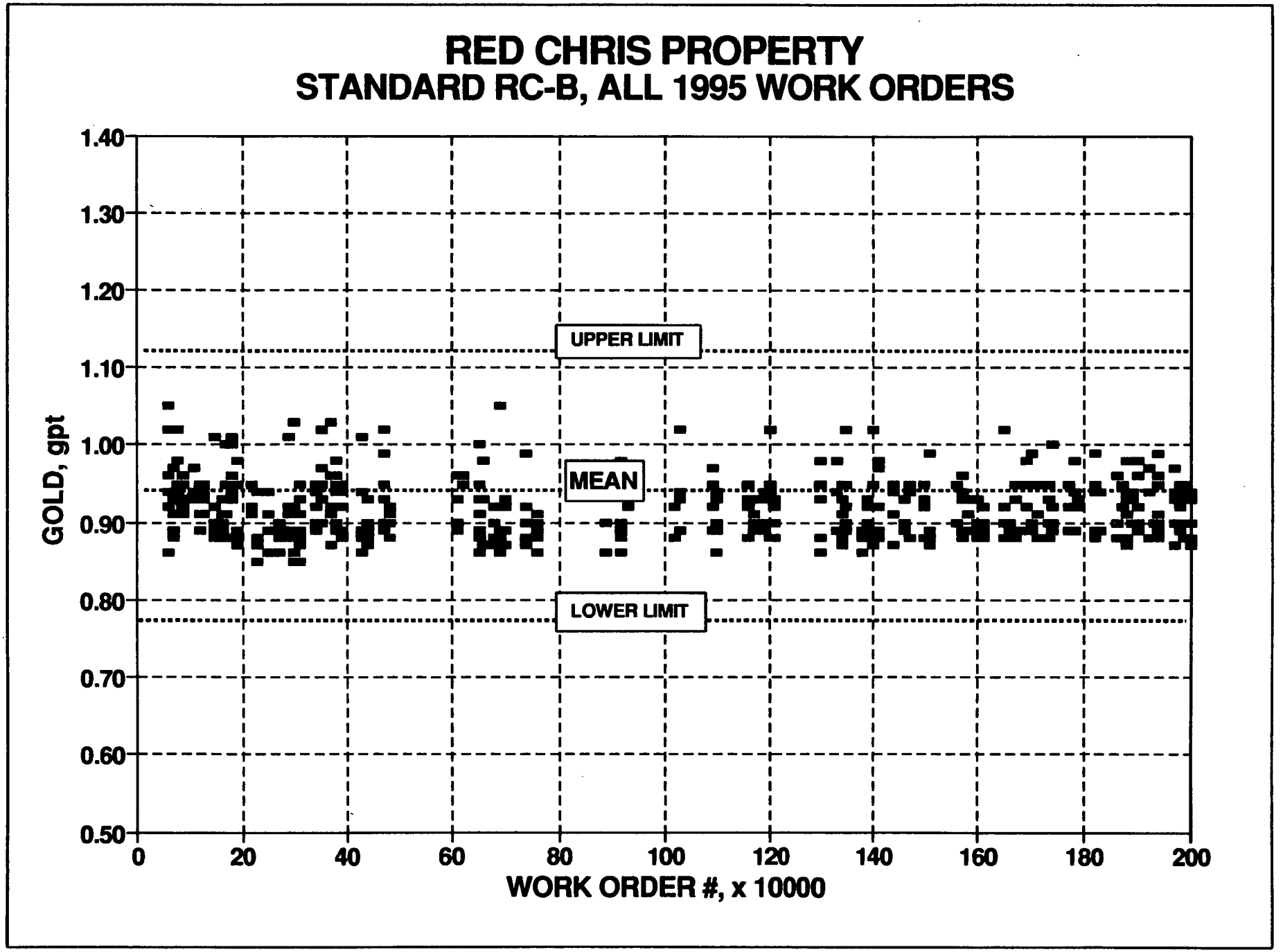

RED CHRIS PROPERTY
STANDARD RC-B, ALL 1995 WORK ORDERS
GOLD, gpt
1.40
1.30
1.20
1.10
1.00
0.90
0.80
0.70
0.60
0.50
UPPER LIMIT
MEAN
LOWER LIMIT
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 5

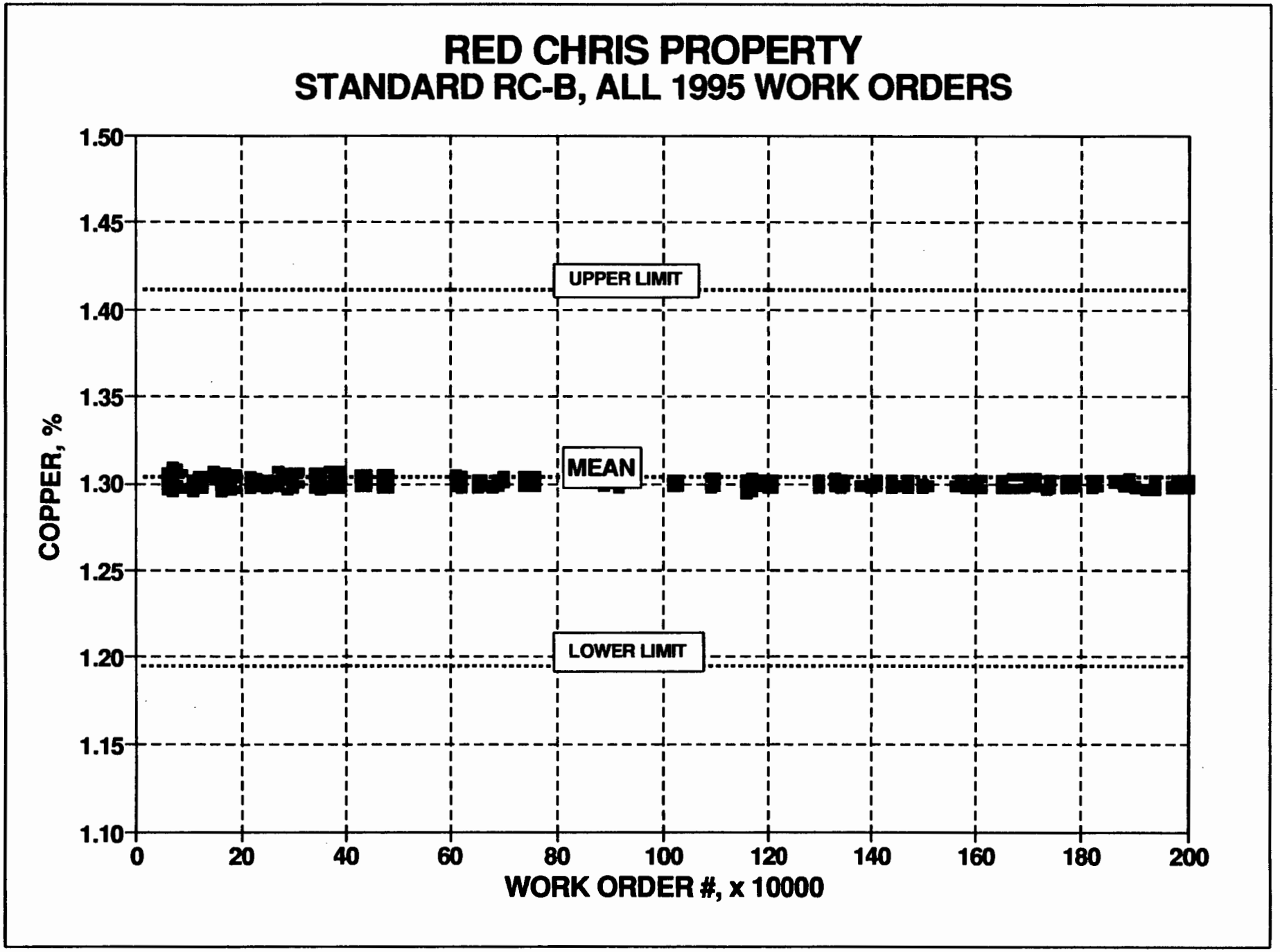

RED CHRIS PROPERTY
STANDARD RC-B, ALL 1995 WORK ORDERS
COPPER, %
1.50
1.45
1.40
1.35
1.30
1.25
1.20
1.15
1.10
UPPER LIMIT
MEAN
LOWER LIMIT
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 6

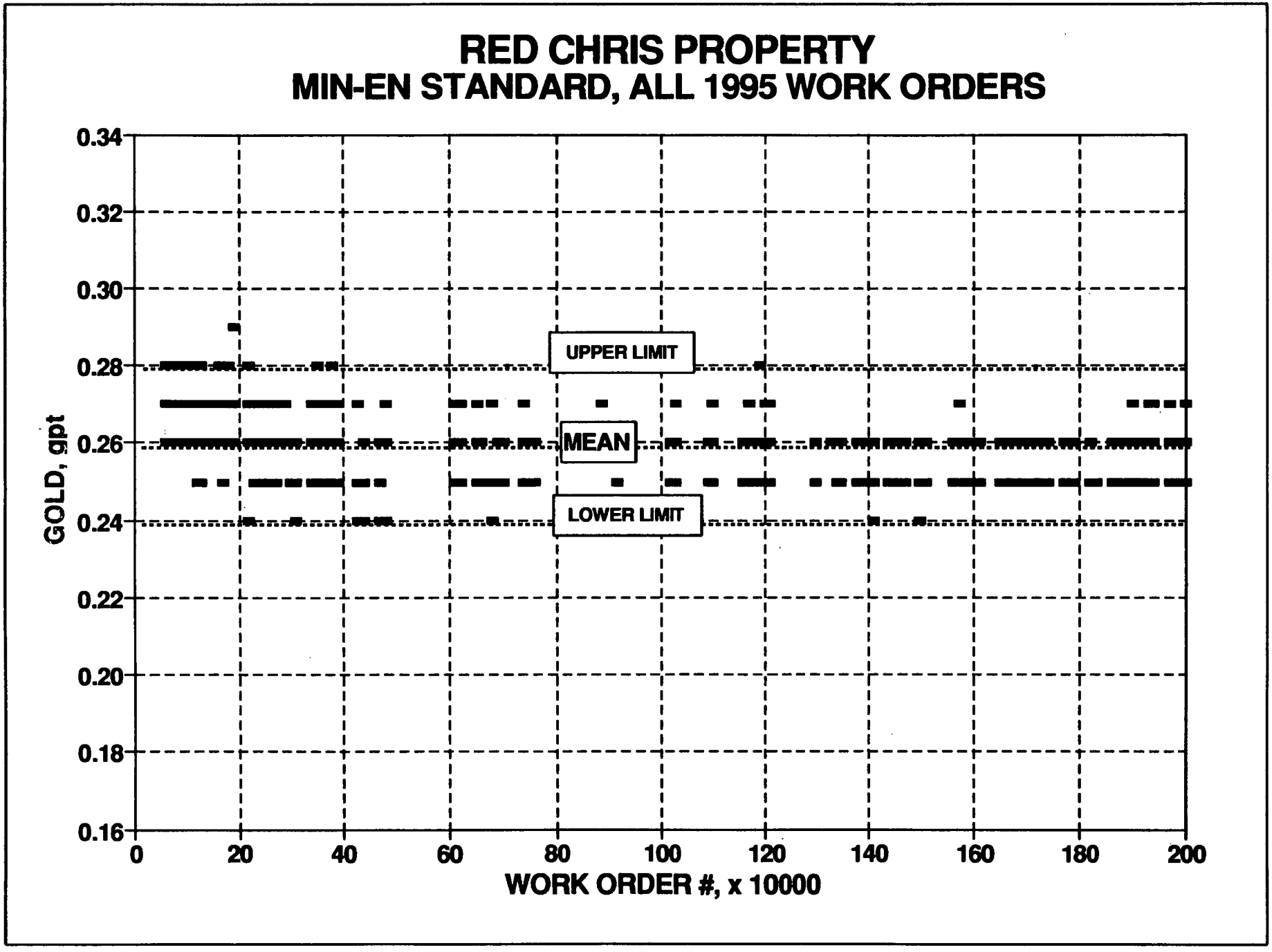

RED CHRIS PROPERTY
MIN-EN STANDARD, ALL 1995 WORK ORDERS
GOLD, gpt
0.34
0.32
0.30
0.28
0.26
0.24
0.22
0.20
0.18
0.16
UPPER LIMIT
MEAN
LOWER LIMIT
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 7

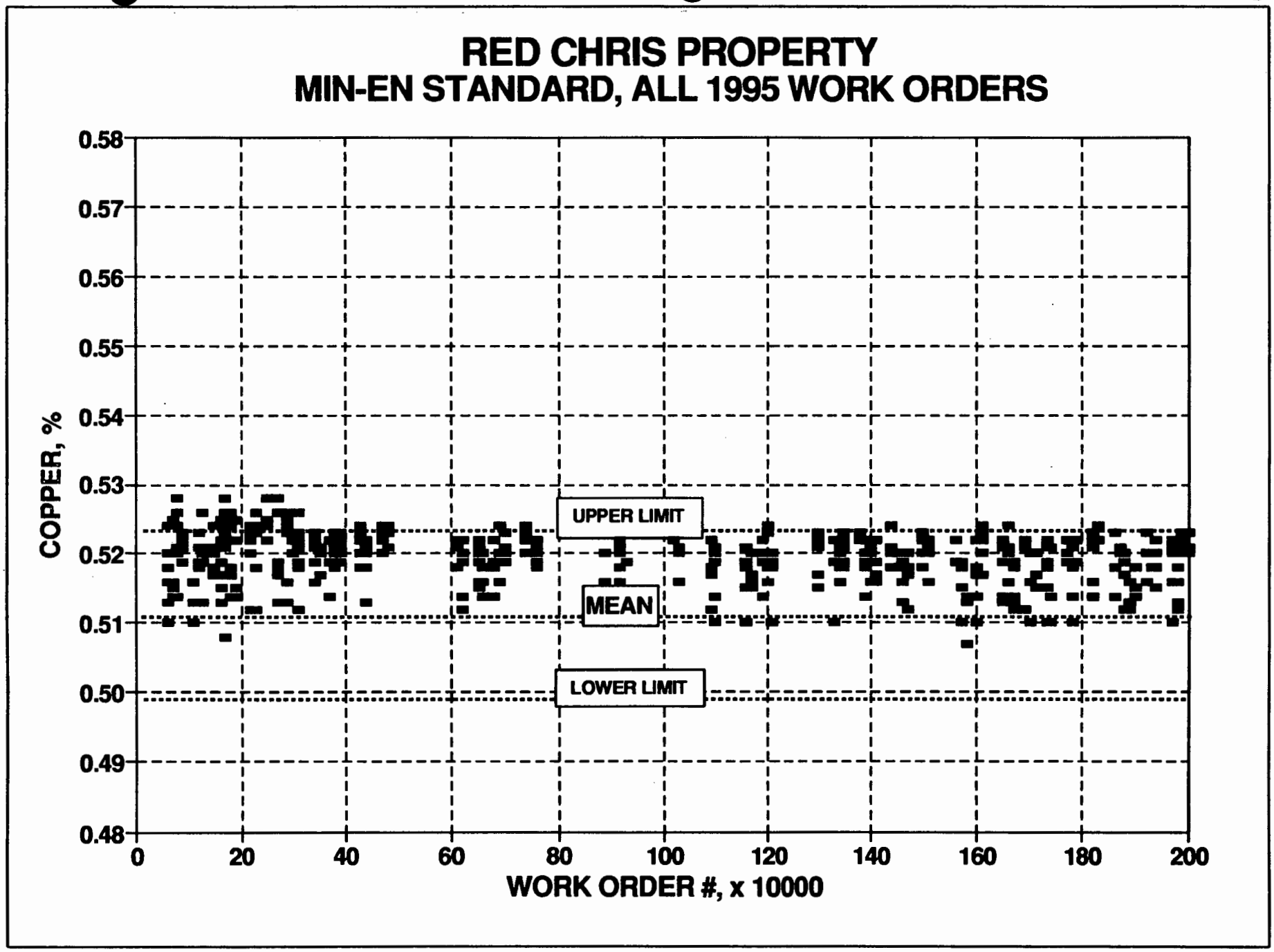

RED CHRIS PROPERTY
MIN-EN STANDARD, ALL 1995 WORK ORDERS
COPPER, %
0.58
0.57
0.56
0.55
0.54
0.53
0.52
0.51
0.50
0.49
0.48
UPPER LIMIT
MEAN
LOWER LIMIT
0
20
40
60
80
100
120
140
160
180
200
WORK ORDER #, x 10000

Figure 8

1994. In particular, the early part of the work orders (6-30) seem to fall near the upper boundary of the acceptable values. Min-En should be questioned about this standard and the pattern formed by this plot.

The overall copper difference between the two years is less than 2%; therefore, this discrepancy in standards should not unduly affect the accuracy of the Red Chris analysis.

5. BIAS

5.1 Geochemical Analysis

A comparison of Min-En gold and copper vs Chemex gold and copper is shown in Figures 9-11. The analytical listing is given in Appendix 2. The Chemex gold analysis seems to be biased high at concentrations greater than 100 ppb. The bias may be rotational in nature, as the difference seems to be greater at higher concentrations. This may reflect a difference of equipment standardization between the two laboratories. The Min-En mean is 5% higher than Chemex, which seems to be counter intuitive. However, the expanded gold plot shown in Figure 10 reveals that Min-En is biased high for gold concentrations less than 100 ppb. The majority of samples contained less than 100 ppb, therefore the average concentration for Min-En is higher. Chemex is biased higher than Min-En for copper geochemical analysis. This may be caused by some procedural difference such as a longer digestion time, or hotter digestion temperature.

5.2 Assay Analysis

The listing for the duplicate assay analysis is contained in Appendix 3. The average gold concentration for the duplicates is 0.14 gpt for Chemex vs 0.17 gpt for Min-En; a difference of 17.67%. Although on a percentage basis this appears to be significant, the absolute difference of 0.03 gpt is less than the detection limit of the analytical method. The copper duplicates lie

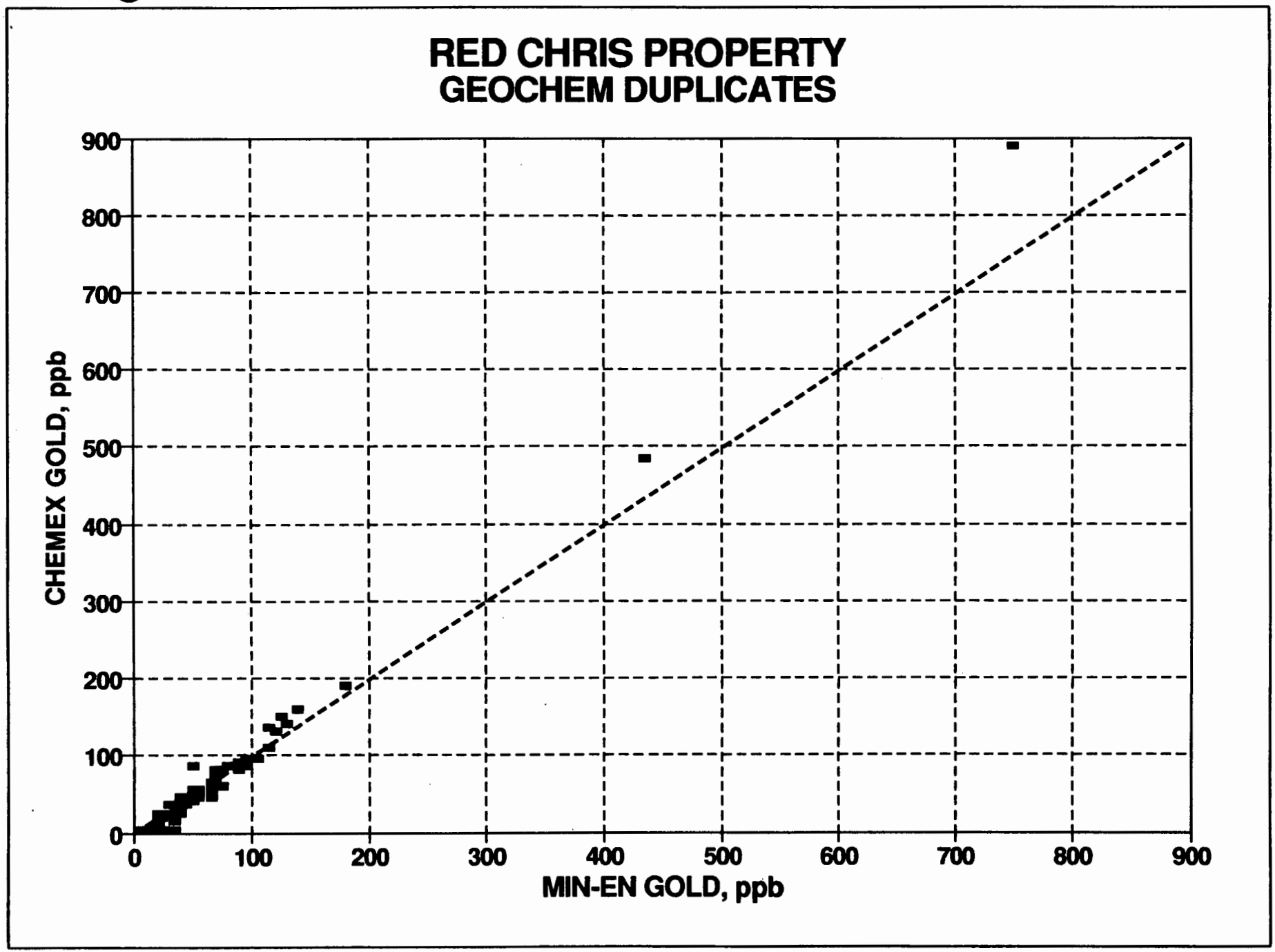

RED CHRIS PROPERTY
GEOCHEM DUPLICATES
CHEMEX GOLD, ppb
MIN-EN GOLD, ppb
0
100
200
300
400
500
600
700
800
900

Figure 9

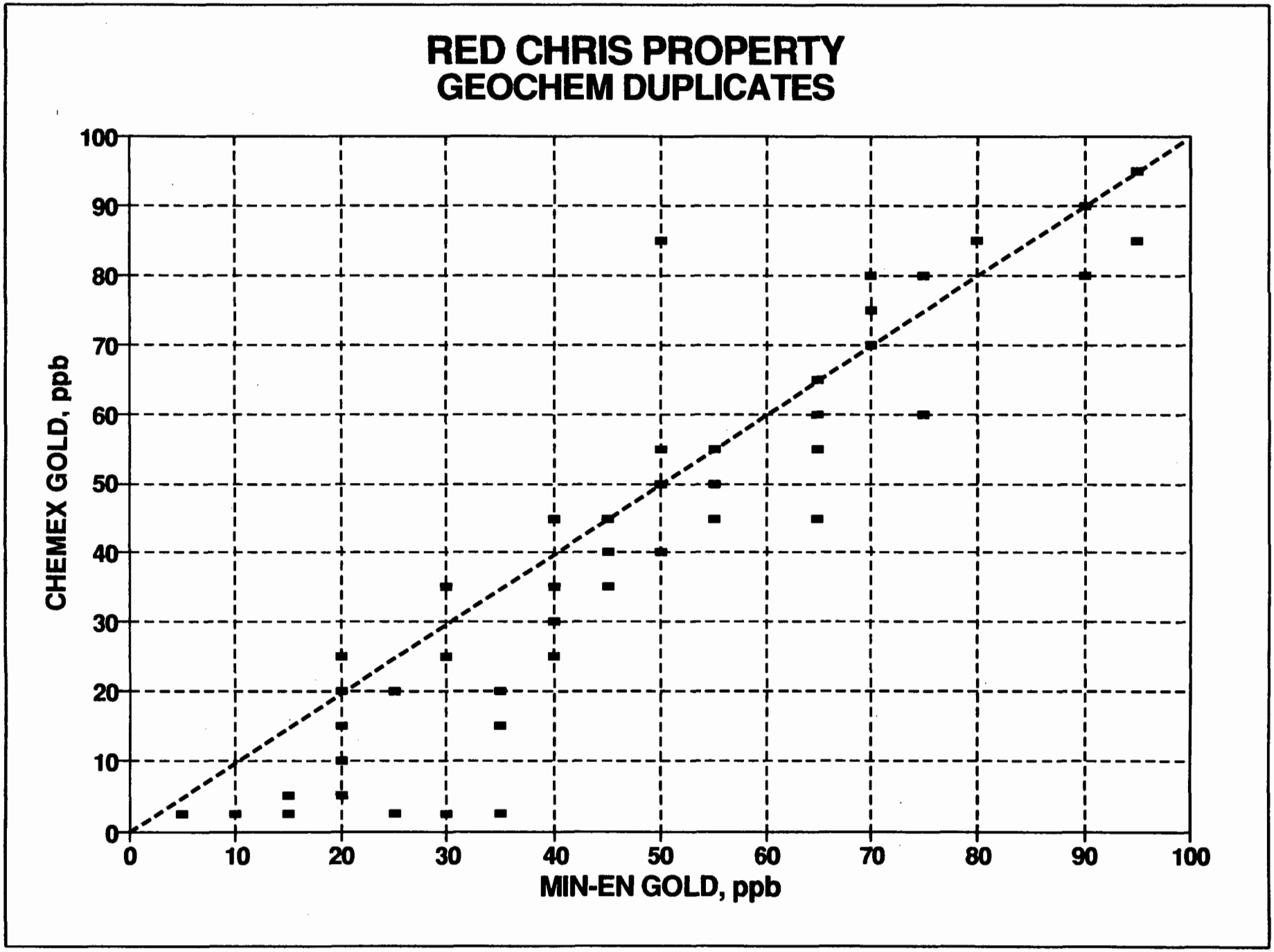

RED CHRIS PROPERTY
GEOCHEM DUPLICATES
CHEMEX GOLD, ppb
MIN-EN GOLD, ppb
0
10
20
30
40
50
60
70
80
90
100

Figure 10

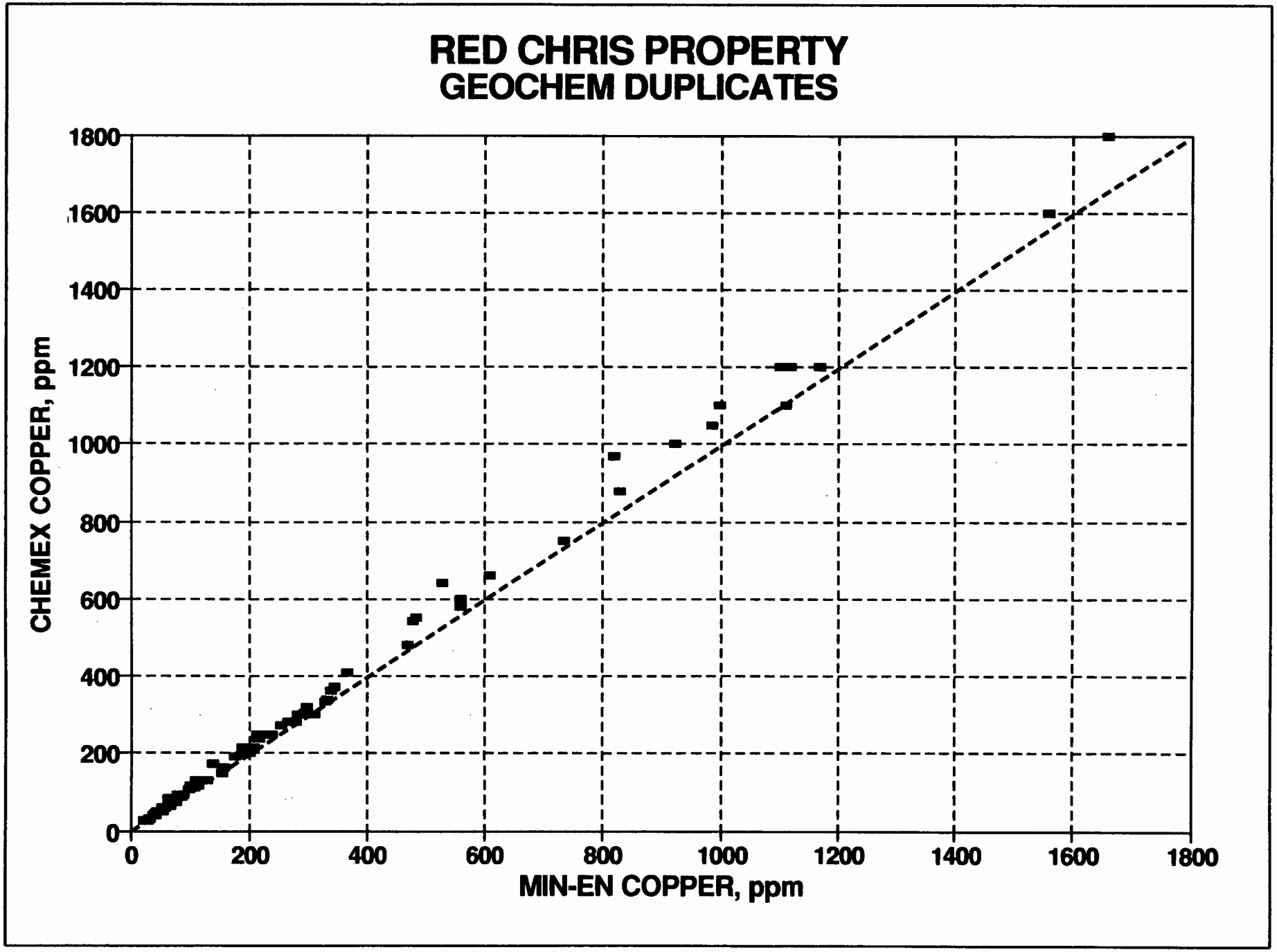

RED CHRIS PROPERTY
GEOCHEM DUPLICATES
CHEMEX COPPER, ppm
MIN-EN COPPER, ppm
0
200
400
600
800
1000
1200
1400
1600
1800

Figure 11

within 2% of each other; a non-significant difference.

Bias plots for gold and copper are shown in Figures 12-15. Figure 12 shows gold concentrations below 0.60 gpt are biased toward Min-En, but above 0.60 gpt may be biased in favour of Chemex. The expanded plot in Figure 13 confirms this bias. This is similar to the patterns found in 1995. The reason for the bias may be the format Chemex uses to report gold analysis. This same bias was noted in the previous report (Smee, 1995). The statistics and histograms for the two laboratories are contained in Appendix 4.

6. PRECISION, ASSAY ANALYSIS

Precision is calculated from samples which have been analyzed in duplicate. This study of precision compares Min-En analysis vs Chemex analysis, using the method of Thompson and Howarth (1978) as outlined in Smee (1995). The plots of means vs median differences are contained in Appendix 5.

The baseline regression data for gold, and the calculations of detection limit and precision is shown in Table 2. The detection limit is 0.068 gpt gold, almost identical to the 0.066 gpt found in 1995. The lower level of precision is somewhat better in this dataset (Figure 15), levelling off at about 11%, at concentrations above 1 gpt. The engineers performing the ore reserve calculation should note that the gold precision at the median (most common) concentration of 0.06 gpt as shown by this dataset is below the actual detection limit of the analytical method. Individual analysis near this concentration should be considered to be ±100%, at the 95% confidence level.

The copper regression data is contained in Table 3. The detection limit for copper is 0.003%: half of the 1995 detection limit. The precision for copper levels out below 6% (Figure 17) at the 0.20% concentration, again, slightly better than the previous year's precision.

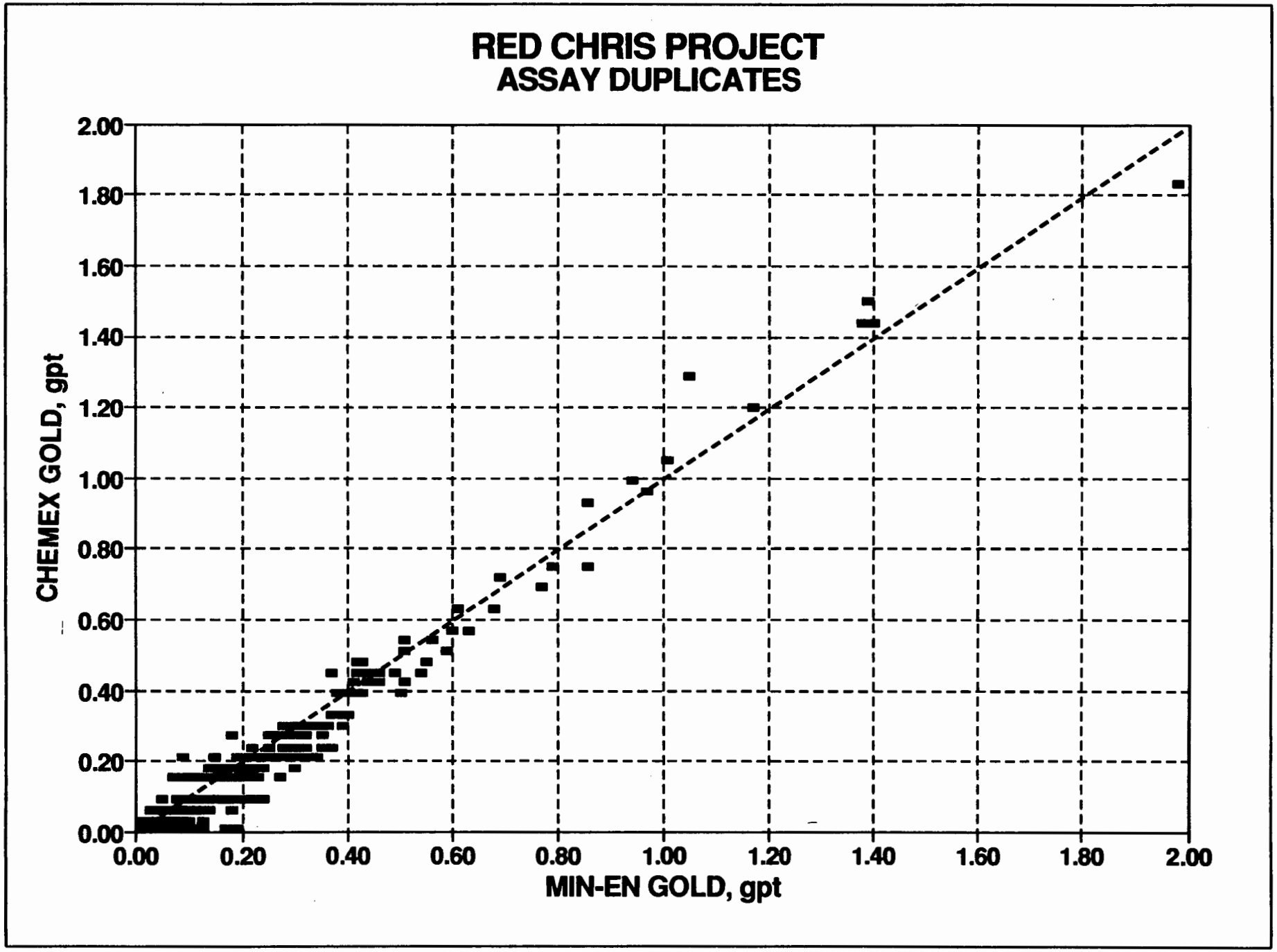

RED CHRIS PROJECT
ASSAY DUPLICATES
CHEMEX GOLD, gpt
MIN-EN GOLD, gpt
0.00
0.20
0.40
0.60
0.80
1.00
1.20
1.40
1.60
1.80
2.00

Figure 12

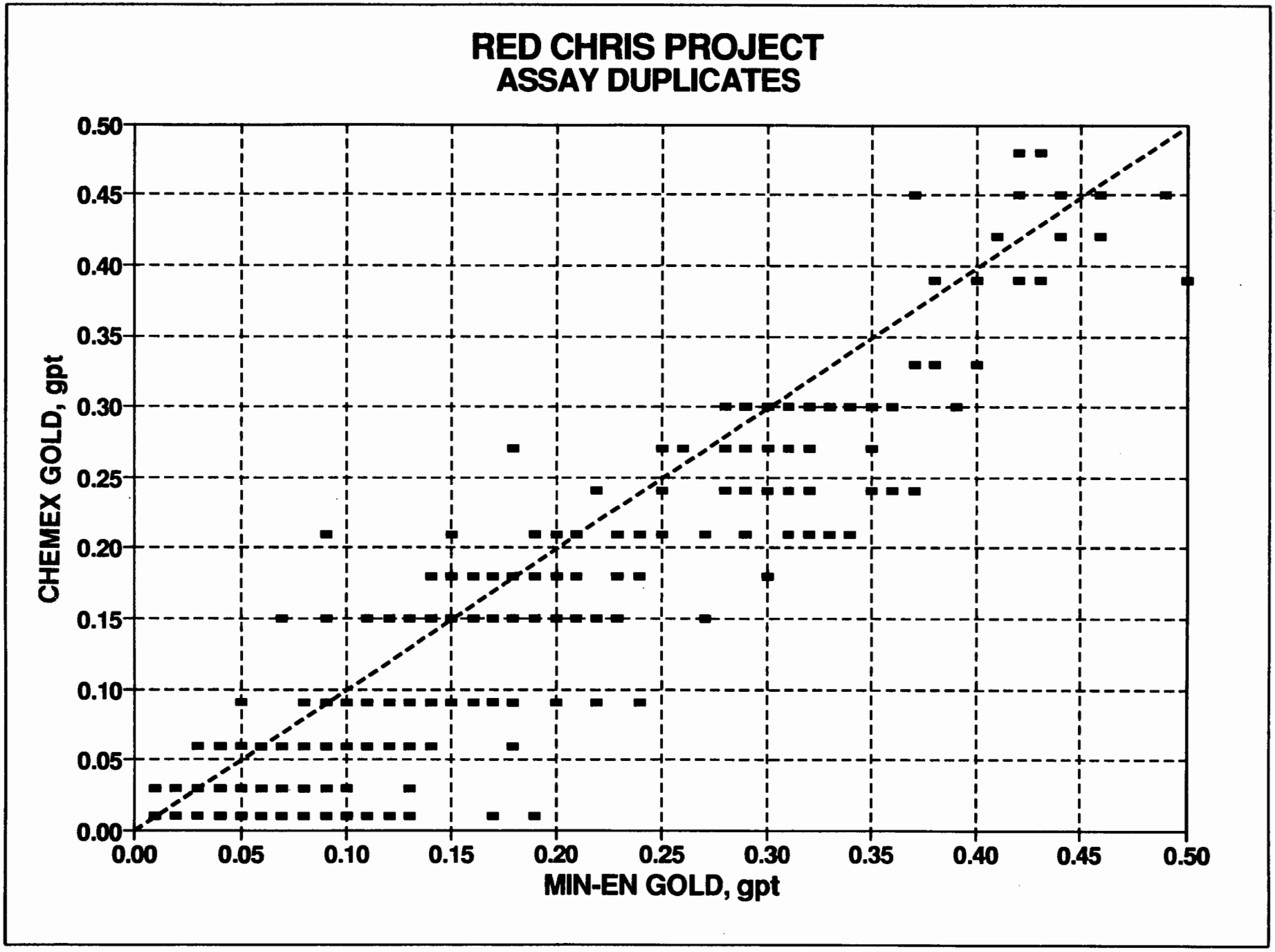

RED CHRIS PROJECT
ASSAY DUPLICATES
CHEMEX GOLD, gpt
MIN-EN GOLD, gpt
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.45
0.50

Figure 13

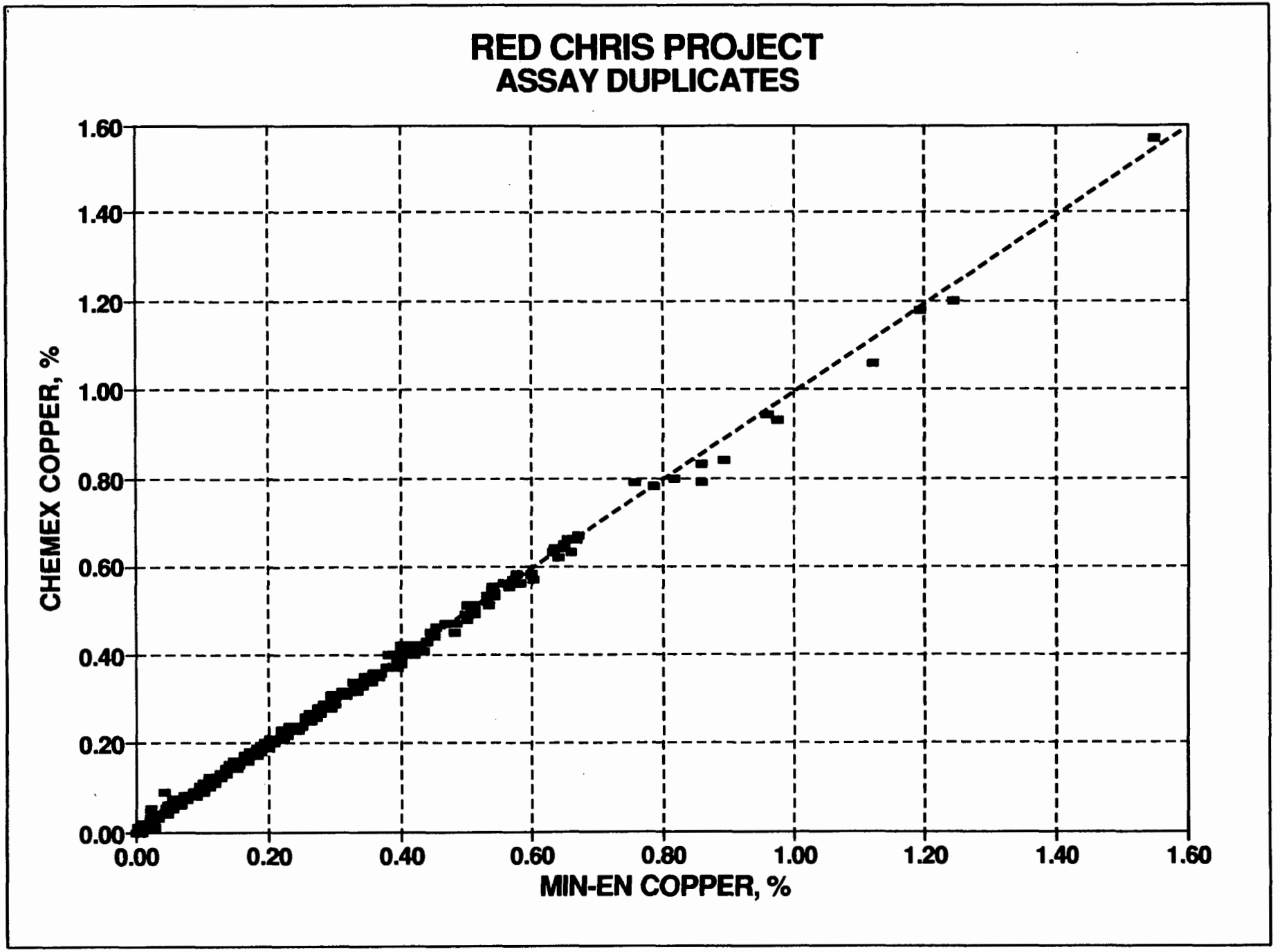

RED CHRIS PROJECT
ASSAY DUPLICATES
CHEMEX COPPER, %
MIN-EN COPPER, %
0.00
0.20
0.40
0.60
0.80
1.00
1.20
1.40
1.60

Figure 14

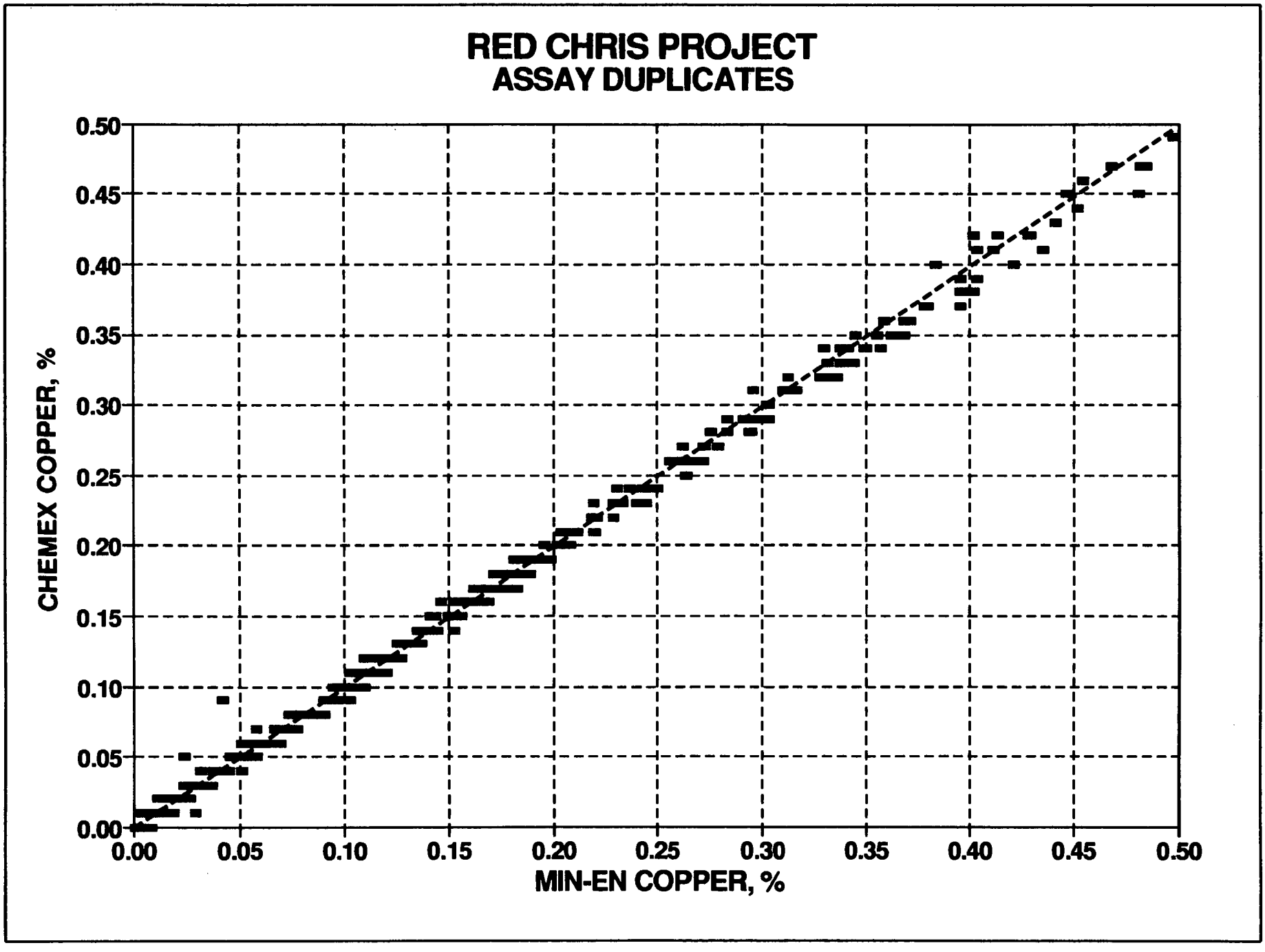

RED CHRIS PROJECT
ASSAY DUPLICATES
CHEMEX COPPER, %
MIN-EN COPPER, %
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
0.45
0.50

Figure 15

TABLE 2

THOMPSON HOWARTH PRECISION CALCULATION

REGRESSSION DATA, GOLD

MEAN	ABS DIFF
0.010	0.00
0.010	0.00
0.013	0.01
0.015	0.01
0.015	0.01
0.015	0.01
0.020	0.02
0.022	0.02
0.025	0.03
0.027	0.03
0.030	0.04
0.032	0.04
0.035	0.05
0.037	0.01
0.043	0.06
0.045	0.07
0.050	0.04
0.055	0.09
0.060	0.00
0.065	0.01
0.070	0.02
0.078	0.04
0.085	0.05
0.090	0.06
0.093	0.07
0.099	0.07
0.107	0.03
0.113	0.05
0.127	0.06
0.140	0.02
0.150	0.01
0.165	0.04
0.180	0.05
0.191	0.02
0.210	0.05
0.231	0.04
0.257	0.05
0.274	0.07
0.287	0.04
0.306	0.03
0.350	0.05
0.425	0.04
0.472	0.04
0.628	0.04
1.200	0.06

GOLD

Regression Output:

Constant	**0.032169**	**=So**
Std Err of Y Est	**0.021431**	
R Squared	**0.077092**	
No. of Observations	**45**	
Degrees of Freedom	**43**	
X Coefficient(s)	**0.0291**	**=K**
Std Err of Coef.	**0.015355**	

ANALYTICAL DETECTION LIMIT

Cd=2So/(1-2K)
Cd=2*.032/(1-2*.029)

Cd= .068 gpt

PRECISION vs CONCENTRATION

Pc = 2So/C + 2K

C, gpt	Pc, %
0.06	113.05
0.08	86.24
0.10	70.16
0.12	59.44
0.14	51.78
0.16	46.03
0.18	41.56
0.20	37.99
0.40	21.90
0.60	16.54
0.80	13.86
1.00	12.25
1.20	11.18

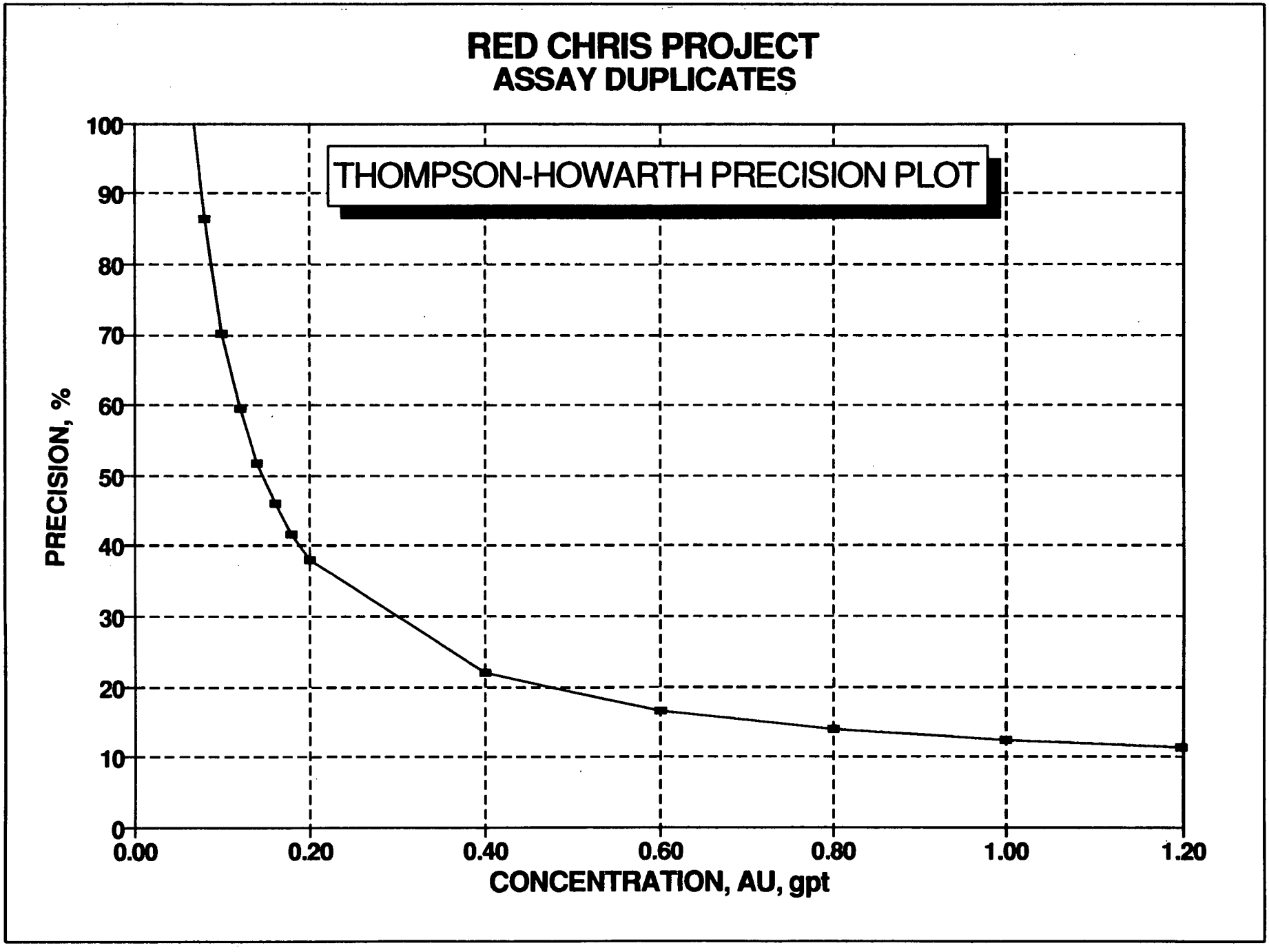

RED CHRIS PROJECT
ASSAY DUPLICATES
THOMPSON-HOWARTH PRECISION PLOT
PRECISION, %
100
90
80
70
60
50
40
30
20
10
0
0.00
0.20
0.40
0.60
0.80
1.00
1.20
CONCENTRATION, AU, gpt

Figure 16

TABLE 3

THOMPSON HOWARTH PRECISION CALCULATION

REGRESSSION DATA, COPPER

MEAN	ABS DIFF
0.004	0.002
0.005	0.000
0.006	0.001
0.007	0.005
0.009	0.003
0.010	0.001
0.011	0.001
0.012	0.003
0.017	0.006
0.021	0.001
0.026	0.004
0.030	0.001
0.035	0.004
0.046	0.005
0.052	0.003
0.059	0.003
0.064	0.005
0.071	0.003
0.080	0.005
0.091	0.005
0.096	0.005
0.103	0.003
0.114	0.006
0.121	0.003
0.130	0.001
0.141	0.005
0.153	0.004
0.163	0.006
0.173	0.006
0.182	0.004
0.195	0.004
0.214	0.002
0.231	0.009
0.251	0.010
0.267	0.007
0.292	0.007
0.321	0.007
0.342	0.009
0.364	0.012
0.395	0.017
0.438	0.009
0.504	0.013
0.564	0.014
0.672	0.004
1.023	0.042

COPPER

Regression Output:

Constant	**0.001261**	**=So**
Std Err of Y Est	**0.003756**	
R Squared	**0.684682**	
No. of Observations	**45**	
Degrees of Freedom	**43**	
X Coefficient(s)	**0.026318**	**=K**
Std Err of Coef.	**0.002724**	

ANALYTICAL DETECTION LIMIT

Cd=2So/(1-2K)
Cd=2*.001/(1-2*.026)

Cd= .003 %

PRECISION vs CONCENTRATION

Pc = 2So/C + 2K

C, %	Pc, %
0.005	55.71
0.008	36.79
0.010	30.48
0.011	28.19
0.120	7.37
0.150	6.94
0.200	6.52
0.300	6.10
0.400	5.89
0.500	5.77
0.600	5.68
0.700	5.62
0.800	5.58
1.000	5.52
1.200	5.47

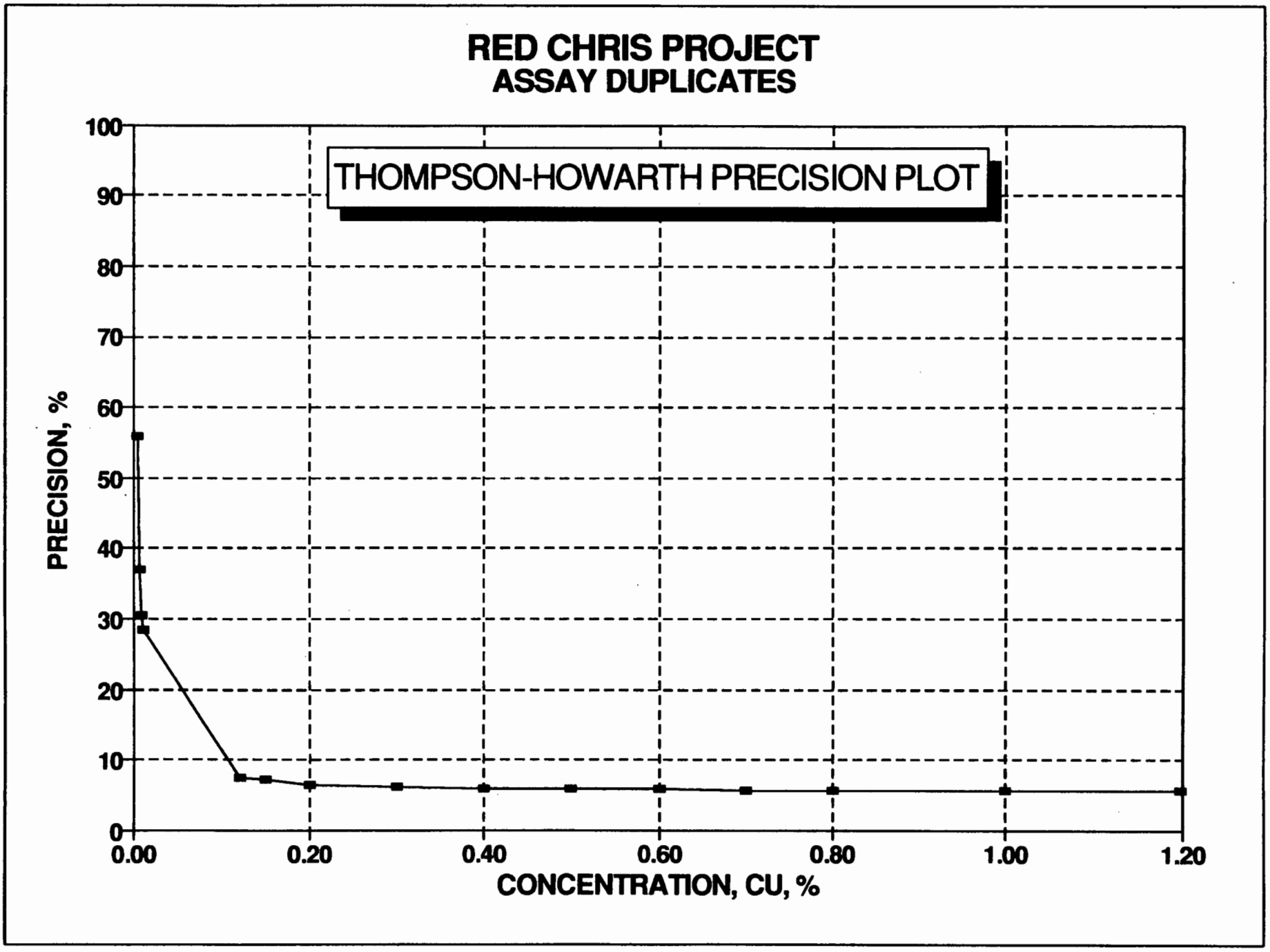

RED CHRIS PROJECT
ASSAY DUPLICATES
THOMPSON-HOWARTH PRECISION PLOT
PRECISION, %
100
90
80
70
60
50
40
30
20
10
0
0.00
0.20
0.40
0.60
0.80
1.00
1.20
CONCENTRATION, CU, %

Figure 17

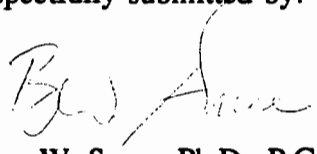
7. CONCLUSIONS

The 1995 drill core sampling and analysis appears to be slightly better controlled than the 1994 program. The standards show that the data is accurate; no samples lie outside of acceptable limits. (However, the blank samples indicate that the 1995 analysis is free of contamination, and transcription errors should be few. However, the standards analyzed in 1995 are marginally lower in mean concentration than they were in 1994.)

The geochemical analysis for both copper and gold show a slight rotational bias, when Min-En is compared to Chemex. This bias does not affect the validity of the data. The assay data also shows a slight rotational bias for gold. This bias may be related to the fact that Chemex reports gold analysis in ounces per ton, then uses a multiplication factor to convert to grams per ton. This biases the data in 0.03 increments. At low concentrations, this rounding-off can bias the low concentrations by more than 10%.

The precision calculations show that the 1995 data is slightly more precise than found in 1994. The precision for both datasets is excellent at the higher concentrations; however, gold at the 0.3 gpt concentration has a precision of 30%. This must be considered when calculating ore reserves.

Respectfully submitted by:



Barry W. Smee, Ph.D., P.Geo.

References:

Smee, B.W., 1995:

Report on Analytical Quality, Red Chris Project. 21 p.

Thompson, M. and Howarth, R.J., 1978:

A new approach to the estimation of analytical precision. Journal of Geochemical Exploration, V.9, #1, p. 23-30.

APPENDIX 1

Analytical Standards
RC-A, RC-B and Min-En

AMERICAN BULLION, STD. RC-A

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0006-RA1	0006	6	AM-B	0.12	0.004	0.464
5S-0006-RA2	0006	6	AM-B	0.13	0.004	0.462
5S-0006-RA3	0006	6	AM-B	0.13	0.004	0.465
5S-0006-RA4	0006	6	AM-B	0.13	0.004	0.463
5S-0006-RA5	0006	6	AM-B	0.14	0.004	0.466
5S-0006-RA6	0006	6	AM-B	0.13	0.004	0.463
5S-0006-RA7	0006	6	AM-B	0.14	0.004	0.466
5S-0007-RA1	0007	7	AM-B	0.12	0.004	0.463
5S-0007-RA2	0007	7	AM-B	0.14	0.004	0.464
5S-0007-RA3	0007	7	AM-B	0.14	0.004	0.465
5S-0007-RA4	0007	7	AM-B	0.12	0.004	0.465
5S-0007-RA5	0007	7	AM-B	0.13	0.004	0.469
5S-0007-RA6	0007	7	AM-B	0.13	0.004	0.467
5S-0007-RA7	0007	7	AM-B	0.13	0.004	0.468
5S-0007-RA8	0007	7	AM-B	0.12	0.004	0.463
5S-0008-RA1	0008	8	AM-B	0.12	0.004	0.468
5S-0008-RA2	0008	8	AM-B	0.12	0.004	0.465
5S-0008-RA3	0008	8	AM-B	0.13	0.004	0.466
5S-0008-RA4	0008	8	AM-B	0.13	0.004	0.469
5S-0008-RA5	0008	8	AM-B	0.13	0.004	0.471
5S-0008-RA6	0008	8	AM-B	0.13	0.004	0.465
5S-0009-RA1	0009	9	AM-B	0.13	0.004	0.469
5S-0009-RA2	0009	9	AM-B	0.13	0.004	0.466
5S-0009-RA3	0009	9	AM-B	0.13	0.004	0.464
5S-0009-RA4	0009	9	AM-B	0.13	0.004	0.465
5S-0009-RA5	0009	9	AM-B	0.13	0.004	0.470
5S-0009-RA6	0009	9	AM-B	0.14	0.004	0.466
5S-0011-RA1	0011	11	AM-B	0.14	0.004	0.462
5S-0011-RA2	0011	11	AM-B	0.12	0.004	0.465
5S-0011-RA3	0011	11	AM-B	0.12	0.004	0.470
5S-0012-RA1	0012	12	AM-B	0.13	0.004	0.463
5S-0012-RA2	0012	12	AM-B	0.12	0.004	0.465
5S-0012-RA3	0012	12	AM-B	0.12	0.004	0.464
5S-0012-RA4	0012	12	AM-B	0.12	0.004	0.465
5S-0013-RA1	0013	13	AM-B	0.12	0.004	0.464
5S-0013-RA2	0013	13	AM-B	0.13	0.004	0.468
5S-0013-RA3	0013	13	AM-B	0.12	0.004	0.470
5S-0013-RA4	0013	13	AM-B	0.12	0.004	0.469
5S-0013-RA5	0013	13	AM-B	0.13	0.004	0.464
5S-0015-RA1	0015	15	AM-B	0.12	0.004	0.467
5S-0015-RA2	0015	15	AM-B	0.13	0.004	0.467
5S-0015-RA3	0015	15	AM-B	0.12	0.004	0.468
5S-0015-RA4	0015	15	AM-B	0.13	0.004	0.469
5S-0015-RA5	0015	15	AM-B	0.13	0.004	0.465
5S-0016-RA1	0016	16	AM-B	0.13	0.004	0.468
5S-0016-RA2	0016	16	AM-B	0.12	0.004	0.465
5S-0016-RA3	0016	16	AM-B	0.13	0.004	0.468
5S-0016-RA4	0016	16	AM-B	0.12	0.004	0.469
5S-0016-RA5	0016	16	AM-B	0.12	0.004	0.468
5S-0016-RA6	0016	16	AM-B	0.13	0.004	0.468
5S-0016-RA7	0016	16	AM-B	0.12	0.004	0.469
5S-0016-RA8	0016	16	AM-B	0.13	0.004	0.465
5S-0017-RA1	0017	17	AM-B	0.13	0.004	0.468
5S-0017-RA2	0017	17	AM-B	0.13	0.004	0.469
5S-0017-RA3	0017	17	AM-B	0.12	0.004	0.467
5S-0017-RA4	0017	17	AM-B	0.13	0.004	0.463
5S-0017-RA5	0017	17	AM-B	0.13	0.004	0.470
5S-0017-RA6	0017	17	AM-B	0.13	0.004	0.466
5S-0017-RA7	0017	17	AM-B	0.12	0.004	0.467
5S-0017-RA8	0017	17	AM-B	0.12	0.004	0.468

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0018-RA1	0018	18	AM-B	0.13	0.004	0.470
5S-0018-RA2	0018	18	AM-B	0.12	0.004	0.468
5S-0018-RA3	0018	18	AM-B	0.12	0.004	0.469
5S-0018-RA4	0018	18	AM-B	0.14	0.004	0.470
5S-0018-RA5	0018	18	AM-B	0.12	0.004	0.467
5S-0018-RA6	0018	18	AM-B	0.13	0.004	0.469
5S-0018-RA7	0018	18	AM-B	0.12	0.004	0.465
5S-0019-RA1	0019	19	AM-B	0.13	0.004	0.468
5S-0019-RA2	0019	19	AM-B	0.13	0.004	0.467
5S-0019-RA3	0019	19	AM-B	0.14	0.004	0.469
5S-0019-RA4	0019	19	AM-B	0.12	0.004	0.464
5S-0019-RA5	0019	19	AM-B	0.12	0.004	0.468
5S-0022-RA1	0022	22	AM-B	0.13	0.004	0.468
5S-0022-RA2	0022	22	AM-B	0.13	0.004	0.469
5S-0022-RA3	0022	22	AM-B	0.12	0.004	0.467
5S-0022-RA4	0022	22	AM-B	0.12	0.004	0.468
5S-0022-RA5	0022	22	AM-B	0.13	0.004	0.468
5S-0023-RA1	0023	23	AM-B	0.13	0.004	0.464
5S-0023-RA2	0023	23	AM-B	0.14	0.004	0.467
5S-0023-RA3	0023	23	AM-B	0.13	0.004	0.469
5S-0023-RA4	0023	23	AM-B	0.12	0.004	0.467
5S-0023-RA5	0023	23	AM-B	0.12	0.004	0.466
5S-0023-RA6	0023	23	AM-B	0.12	0.004	0.467
5S-0025-RA1	0025	25	AM-B	0.12	0.004	0.468
5S-0025-RA2	0025	25	AM-B	0.12	0.004	0.469
5S-0025-RA3	0025	25	AM-B	0.13	0.004	0.467
5S-0025-RA4	0025	25	AM-B	0.12	0.004	0.465
5S-0027-RA1	0027	27	AM-B	0.13	0.004	0.462
5S-0027-RA2	0027	27	AM-B	0.13	0.004	0.464
5S-0027-RA3	0027	27	AM-B	0.12	0.004	0.466
5S-0027-RA4	0027	27	AM-B	0.12	0.004	0.465
5S-0027-RA5	0027	27	AM-B	0.12	0.004	0.470
5S-0027-RA6	0027	27	AM-B	0.12	0.004	0.465
5S-0029-RA1	0029	29	AM-B	0.14	0.004	0.464
5S-0029-RA2	0029	29	AM-B	0.12	0.004	0.468
5S-0029-RA3	0029	29	AM-B	0.12	0.004	0.467
5S-0029-RA4	0029	29	AM-B	0.13	0.004	0.464
5S-0029-RA5	0029	29	AM-B	0.12	0.004	0.465
5S-0029-RA6	0029	29	AM-B	0.14	0.004	0.469
5S-0030-RA1	0030	30	AM-B	0.13	0.004	0.466
5S-0030-RA2	0030	30	AM-B	0.12	0.004	0.467
5S-0030-RA3	0030	30	AM-B	0.12	0.004	0.469
5S-0030-RA4	0030	30	AM-B	0.13	0.004	0.468
5S-0030-RA5	0030	30	AM-B	0.12	0.004	0.468
5S-0031-RA1	0031	31	AM-B	0.12	0.004	0.463
5S-0031-RA2	0031	31	AM-B	0.13	0.004	0.465
5S-0031-RA3	0031	31	AM-B	0.12	0.004	0.467
5S-0031-RA4	0031	31	AM-B	0.12	0.004	0.465
5S-0031-RA5	0031	31	AM-B	0.13	0.004	0.467
5S-0031-RA6	0031	31	AM-B	0.12	0.004	0.466
5S-0031-RA7	0031	31	AM-B	0.12	0.004	0.467
5S-0034-RA1	0034	34	AM-B	0.14	0.004	0.467
5S-0034-RA2	0034	34	AM-B	0.12	0.004	0.469
5S-0034-RA3	0034	34	AM-B	0.13	0.004	0.468
5S-0034-RA4	0034	34	AM-B	0.12	0.004	0.464
5S-0034-RA5	0034	34	AM-B	0.13	0.004	0.468
5S-0034-RA6	0034	34	AM-B	0.13	0.004	0.467
5S-0035-RA1	0035	35	AM-B	0.13	0.004	0.469
5S-0035-RA2	0035	35	AM-B	0.13	0.004	0.467
5S-0035-RA3	0035	35	AM-B	0.12	0.004	0.466

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0035-RA4	0035	35	AM-B	0.12	0.004	0.463
5S-0035-RA5	0035	35	AM-B	0.13	0.004	0.464
5S-0037-RA1	0037	37	AM-B	0.13	0.004	0.469
5S-0037-RA2	0037	37	AM-B	0.13	0.004	0.464
5S-0037-RA3	0037	37	AM-B	0.12	0.004	0.467
5S-0037-RA4	0037	37	AM-B	0.12	0.004	0.464
5S-0037-RA5	0037	37	AM-B	0.12	0.004	0.466
5S-0038-RA1	0038	38	AM-B	0.12	0.004	0.469
5S-0038-RA2	0038	38	AM-B	0.13	0.004	0.467
5S-0038-RA3	0038	38	AM-B	0.12	0.004	0.468
5S-0038-RA4	0038	38	AM-B	0.12	0.004	0.468
5S-0038-RA5	0038	38	AM-B	0.12	0.004	0.465
5S-0038-RA6	0038	38	AM-B	0.12	0.004	0.464
5S-0038-RA7	0038	38	AM-B	0.12	0.004	0.464
5S-0038-RA8	0038	38	AM-B	0.12	0.004	0.462
5S-0039-RA1	0039	39	AM-B	0.13	0.004	0.465
5S-0039-RA2	0039	39	AM-B	0.12	0.004	0.467
5S-0039-RA3	0039	39	AM-B	0.13	0.004	0.467
5S-0039-RA4	0039	39	AM-B	0.12	0.004	0.465
5S-0039-RA5	0039	39	AM-B	0.13	0.004	0.462
5S-0043-RA1	0043	43	AM-B	0.13	0.004	0.468
5S-0043-RA2	0043	43	AM-B	0.12	0.004	0.464
5S-0043-RA3	0043	43	AM-B	0.12	0.004	0.466
5S-0043-RA4	0043	43	AM-B	0.12	0.004	0.465
5S-0043-RA5	0043	43	AM-B	0.13	0.004	0.468
5S-0043-RA6	0043	43	AM-B	0.12	0.004	0.468
5S-0043-RA7	0043	43	AM-B	0.12	0.004	0.468
5S-0043-RA8	0043	43	AM-B	0.13	0.004	0.469
5S-0044-RA1	0044	44	AM-B	0.12	0.004	0.467
5S-0044-RA2	0044	44	AM-B	0.12	0.004	0.464
5S-0044-RA3	0044	44	AM-B	0.13	0.004	0.468
5S-0044-RA4	0044	44	AM-B	0.12	0.004	0.466
5S-0044-RA5	0044	44	AM-B	0.12	0.004	0.468
5S-0044-RA6	0044	44	AM-B	0.13	0.004	0.467
5S-0047-RA1	0047	47	AM-B	0.13	0.004	0.467
5S-0047-RA2	0047	47	AM-B	0.13	0.004	0.468
5S-0047-RA3	0047	47	AM-B	0.12	0.004	0.468
5S-0047-RA4	0047	47	AM-B	0.12	0.004	0.466
5S-0047-RA5	0047	47	AM-B	0.12	0.004	0.467
5S-0047-RA6	0047	47	AM-B	0.12	0.004	0.463
5S-0048-RA1	0048	48	AM-B	0.12	0.004	0.467
5S-0048-RA2	0048	48	AM-B	0.12	0.004	0.465
5S-0048-RA3	0048	48	AM-B	0.12	0.004	0.468
5S-0048-RA4	0048	48	AM-B	0.13	0.004	0.464
5S-0048-RA5	0048	48	AM-B	0.12	0.004	0.467
5S-0061-RA1	0061	61	AM-B	0.12	0.004	0.468
5S-0061-RA2	0061	61	AM-B	0.12	0.004	0.467
5S-0061-RA3	0061	61	AM-B	0.12	0.004	0.465
5S-0061-RA4	0061	61	AM-B	0.13	0.004	0.464
5S-0061-RA5	0061	61	AM-B	0.12	0.004	0.466
5S-0062-RA1	0062	62	AM-B	0.12	0.004	0.462
5S-0062-RA2	0062	62	AM-B	0.13	0.004	0.468
5S-0062-RA3	0062	62	AM-B	0.13	0.004	0.463
5S-0062-RA4	0062	62	AM-B	0.12	0.004	0.464
5S-0062-RA5	0062	62	AM-B	0.12	0.004	0.466
5S-0062-RA6	0062	62	AM-B	0.14	0.004	0.465
5S-0065-RA1	0065	65	AM-B	0.13	0.004	0.463
5S-0065-RA2	0065	65	AM-B	0.12	0.004	0.465
5S-0065-RA3	0065	65	AM-B	0.12	0.004	0.465
5S-0065-RA4	0065	65	AM-B	0.13	0.004	0.466

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0065-RA5	0065	65	AM-B	0.13	0.004	0.467
5S-0065-RA6	0065	65	AM-B	0.13	0.004	0.464
5S-0065-RA7	0065	65	AM-B	0.12	0.004	0.465
5S-0066-RA1	0066	66	AM-B	0.12	0.004	0.468
5S-0066-RA2	0066	66	AM-B	0.13	0.004	0.467
5S-0066-RA3	0066	66	AM-B	0.12	0.004	0.466
5S-0066-RA4	0066	66	AM-B	0.13	0.004	0.465
5S-0068-RA1	0068	68	AM-B	0.12	0.004	0.468
5S-0068-RA2	0068	68	AM-B	0.13	0.004	0.468
5S-0068-RA3	0068	68	AM-B	0.12	0.004	0.466
5S-0068-RA4	0068	68	AM-B	0.13	0.004	0.467
5S-0069-RA1	0069	69	AM-B	0.12	0.004	0.468
5S-0069-RA2	0069	69	AM-B	0.12	0.004	0.463
5S-0069-RA3	0069	69	AM-B	0.13	0.004	0.467
5S-0069-RA4	0069	69	AM-B	0.13	0.004	0.466
5S-0070-RA1	0070	70	AM-B	0.12	0.004	0.468
5S-0070-RA2	0070	70	AM-B	0.12	0.004	0.467
5S-0070-RA3	0070	70	AM-B	0.12	0.004	0.468
5S-0070-RA4	0070	70	AM-B	0.13	0.004	0.466
5S-0070-RA5	0070	70	AM-B	0.12	0.004	0.467
5S-0074-RA1	0074	74	AM-B	0.13	0.004	0.463
5S-0074-RA2	0074	74	AM-B	0.12	0.004	0.469
5S-0074-RA3	0074	74	AM-B	0.12	0.004	0.467
5S-0074-RA4	0074	74	AM-B	0.12	0.004	0.466
5S-0074-RA5	0074	74	AM-B	0.12	0.004	0.464
5S-0074-RA6	0074	74	AM-B	0.12	0.004	0.466
5S-0076-RA1	0076	76	AM-B	0.13	0.004	0.465
5S-0076-RA2	0076	76	AM-B	0.13	0.004	0.467
5S-0076-RA3	0076	76	AM-B	0.12	0.004	0.465
5S-0076-RA4	0076	76	AM-B	0.12	0.004	0.467
5S-0076-RA5	0076	76	AM-B	0.12	0.004	0.468
5S-0076-RA6	0076	76	AM-B	0.13	0.004	0.465
5S-0089-RA1	0089	89	AM-B	0.12	0.004	0.465
5S-0089-RA2	0089	89	AM-B	0.13	0.004	0.467
5S-0092-RA1	0092	92	AM-B	0.12	0.004	0.463
5S-0092-RA2	0092	92	AM-B	0.13	0.004	0.467
5S-0092-RA3	0092	92	AM-B	0.13	0.004	0.466
5S-0092-RA4	0092	92	AM-B	0.13	0.004	0.469
5S-0092-RA5	0092	92	AM-B	0.12	0.004	0.465
5S-0092-RA6	0092	92	AM-B	0.12	0.004	0.467
5S-0092-RA7	0092	92	AM-B	0.12	0.004	0.466
5S-0092-RA8	0092	92	AM-B	0.12	0.004	0.468
5S-0092-RA9	0092	92	AM-B	0.12	0.004	0.469
5S-0093-RA1	0093	93	AM-B	0.13	0.004	0.466
5S-0102-RA1	0102	102	AM-B	0.12	0.004	0.467
5S-0102-RA2	0102	102	AM-B	0.13	0.004	0.465
5S-0103-RA1	0103	103	AM-B	0.12	0.004	0.468
5S-0103-RA2	0103	103	AM-B	0.13	0.004	0.466
5S-0103-RA3	0103	103	AM-B	0.12	0.004	0.467
5S-0103-RA4	0103	103	AM-B	0.13	0.004	0.465
5S-0103-RA5	0103	103	AM-B	0.12	0.004	0.467
5S-0109-RA1	0109	109	AM-B	0.12	0.004	0.468
5S-0109-RA2	0109	109	AM-B	0.13	0.004	0.464
5S-0109-RA3	0109	109	AM-B	0.12	0.004	0.469
5S-0109-RA4	0109	109	AM-B	0.13	0.004	0.467
5S-0110-RA1	0110	110	AM-B	0.12	0.004	0.466
5S-0110-RA2	0110	110	AM-B	0.13	0.004	0.468
5S-0110-RA3	0110	110	AM-B	0.12	0.004	0.464
5S-0110-RA4	0110	110	AM-B	0.13	0.004	0.467
5S-0110-RA5	0110	110	AM-B	0.12	0.004	0.466

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0116-RA1	0116	116	AM-B	0.12	0.004	0.463
5S-0116-RA2	0116	116	AM-B	0.12	0.004	0.468
5S-0116-RA3	0116	116	AM-B	0.13	0.004	0.466
5S-0116-RA4	0116	116	AM-B	0.12	0.004	0.464
5S-0116-RA5	0116	116	AM-B	0.13	0.004	0.465
5S-0117-RA1	0117	117	AM-B	0.12	0.004	0.465
5S-0117-RA2	0117	117	AM-B	0.12	0.004	0.468
5S-0117-RA3	0117	117	AM-B	0.12	0.004	0.464
5S-0117-RA4	0117	117	AM-B	0.13	0.004	0.468
5S-0117-RA5	0117	117	AM-B	0.12	0.004	0.465
5S-0119-RA1	0119	119	AM-B	0.13	0.004	0.466
5S-0119-RA2	0119	119	AM-B	0.12	0.004	0.465
5S-0119-RA3	0119	119	AM-B	0.13	0.004	0.468
5S-0119-RA4	0119	119	AM-B	0.12	0.004	0.466
5S-0119-RA5	0119	119	AM-B	0.12	0.004	0.467
5S-0120-RA1	0120	120	AM-B	0.13	0.004	0.466
5S-0120-RA2	0120	120	AM-B	0.12	0.004	0.470
5S-0120-RA3	0120	120	AM-B	0.13	0.004	0.465
5S-0120-RA4	0120	120	AM-B	0.12	0.004	0.468
5S-0120-RA5	0120	120	AM-B	0.12	0.004	0.468
5S-0120-RA6	0120	120	AM-B	0.13	0.004	0.464
5S-0121-RA1	0121	121	AM-B	0.13	0.004	0.465
5S-0121-RA2	0121	121	AM-B	0.12	0.004	0.467
5S-0121-RA3	0121	121	AM-B	0.13	0.004	0.463
5S-0121-RA4	0121	121	AM-B	0.12	0.004	0.463
5S-0121-RA5	0121	121	AM-B	0.13	0.004	0.467
5S-0130-RA1	0130	130	AM-B	0.13	0.004	0.467
5S-0130-RA2	0130	130	AM-B	0.12	0.004	0.465
5S-0130-RA3	0130	130	AM-B	0.12	0.004	0.468
5S-0130-RA4	0130	130	AM-B	0.13	0.004	0.464
5S-0130-RA5	0130	130	AM-B	0.12	0.004	0.468
5S-0133-RA1	0133	133	AM-B	0.13	0.004	0.465
5S-0133-RA2	0133	133	AM-B	0.12	0.004	0.463
5S-0133-RA3	0133	133	AM-B	0.12	0.004	0.467
5S-0134-RA1	0134	134	AM-B	0.13	0.004	0.466
5S-0134-RA2	0134	134	AM-B	0.13	0.004	0.465
5S-0134-RA3	0134	134	AM-B	0.13	0.004	0.467
5S-0134-RA4	0134	134	AM-B	0.12	0.004	0.466
5S-0134-RA5	0134	134	AM-B	0.12	0.004	0.467
5S-0134-RA6	0134	134	AM-B	0.12	0.004	0.463
5S-0135-RA1	0135	135	AM-B	0.13	0.004	0.468
5S-0135-RA2	0135	135	AM-B	0.12	0.004	0.464
5S-0135-RA3	0135	135	AM-B	0.12	0.004	0.467
5S-0135-RA4	0135	135	AM-B	0.13	0.004	0.466
5S-0135-RA5	0135	135	AM-B	0.13	0.004	0.464
5S-0138-RA1	0138	138	AM-B	0.13	0.004	0.468
5S-0138-RA2	0138	138	AM-B	0.13	0.004	0.464
5S-0138-RA3	0138	138	AM-B	0.13	0.004	0.468
5S-0138-RA4	0138	138	AM-B	0.12	0.004	0.467
5S-0139-RA1	0139	139	AM-B	0.12	0.004	0.463
5S-0139-RA2	0139	139	AM-B	0.12	0.004	0.466
5S-0139-RA3	0139	139	AM-B	0.13	0.004	0.469
5S-0139-RA4	0139	139	AM-B	0.12	0.004	0.465
5S-0139-RA5	0139	139	AM-B	0.12	0.004	0.468
5S-0140-RA1	0140	140	AM-B	0.12	0.004	0.465
5S-0140-RA2	0140	140	AM-B	0.12	0.004	0.463
5S-0140-RA3	0140	140	AM-B	0.13	0.004	0.464
5S-0140-RA4	0140	140	AM-B	0.13	0.004	0.466
5S-0140-RA5	0140	140	AM-B	0.12	0.004	0.465
5S-0140-RA6	0140	140	AM-B	0.13	0.004	0.465

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0141-RA1	0141	141	AM-B	0.12	0.004	0.466
5S-0141-RA2	0141	141	AM-B	0.12	0.004	0.467
5S-0141-RA3	0141	141	AM-B	0.13	0.004	0.468
5S-0141-RA4	0141	141	AM-B	0.13	0.004	0.468
5S-0141-RA5	0141	141	AM-B	0.12	0.004	0.463
5S-0144-RA1	0144	144	AM-B	0.12	0.004	0.463
5S-0144-RA2	0144	144	AM-B	0.12	0.004	0.468
5S-0144-RA3	0144	144	AM-B	0.12	0.004	0.466
5S-0144-RA4	0144	144	AM-B	0.13	0.004	0.465
5S-0146-RA1	0146	146	AM-B	0.12	0.004	0.463
5S-0146-RA2	0146	146	AM-B	0.13	0.004	0.466
5S-0146-RA3	0146	146	AM-B	0.12	0.004	0.468
5S-0146-RA4	0146	146	AM-B	0.12	0.004	0.467
5S-0146-RA5	0146	146	AM-B	0.12	0.004	0.463
5S-0146-RA6	0146	146	AM-B	0.12	0.004	0.464
5S-0147-RA1	0147	147	AM-B	0.12	0.004	0.466
5S-0147-RA2	0147	147	AM-B	0.13	0.004	0.468
5S-0147-RA3	0147	147	AM-B	0.13	0.004	0.464
5S-0147-RA4	0147	147	AM-B	0.12	0.004	0.465
5S-0150-RA1	0150	150	AM-B	0.13	0.004	0.467
5S-0150-RA2	0150	150	AM-B	0.12	0.004	0.465
5S-0150-RA3	0150	150	AM-B	0.12	0.004	0.467
5S-0150-RA4	0150	150	AM-B	0.13	0.004	0.468
5S-0151-RA1	0151	151	AM-B	0.12	0.004	0.462
5S-0151-RA2	0151	151	AM-B	0.12	0.004	0.463
5S-0151-RA3	0151	151	AM-B	0.12	0.004	0.468
5S-0151-RA4	0151	151	AM-B	0.13	0.004	0.464
5S-0156-RA1	0156	156	AM-B	0.12	0.004	0.463
5S-0156-RA2	0156	156	AM-B	0.12	0.004	0.467
5S-0157-RA1	0157	157	AM-B	0.12	0.004	0.469
5S-0157-RA2	0157	157	AM-B	0.14	0.004	0.468
5S-0157-RA3	0157	157	AM-B	0.12	0.004	0.463
5S-0157-RA4	0157	157	AM-B	0.13	0.004	0.468
5S-0157-RA5	0157	157	AM-B	0.13	0.004	0.466
5S-0158-RA1	0158	158	AM-B	0.12	0.004	0.467
5S-0158-RA2	0158	158	AM-B	0.13	0.004	0.464
5S-0158-RA3	0158	158	AM-B	0.12	0.004	0.468
5S-0160-RA1	0160	160	AM-B	0.12	0.004	0.464
5S-0160-RA2	0160	160	AM-B	0.13	0.004	0.468
5S-0160-RA3	0160	160	AM-B	0.12	0.004	0.469
5S-0160-RA4	0160	160	AM-B	0.13	0.004	0.468
5S-0160-RA5	0160	160	AM-B	0.12	0.004	0.463
5S-0161-RA1	0161	161	AM-B	0.13	0.004	0.468
5S-0161-RA2	0161	161	AM-B	0.13	0.004	0.467
5S-0161-RA3	0161	161	AM-B	0.12	0.004	0.463
5S-0161-RA4	0161	161	AM-B	0.12	0.004	0.466
5S-0161-RA5	0161	161	AM-B	0.13	0.004	0.470
5S-0165-RA1	0165	165	AM-B	0.12	0.004	0.464
5S-0165-RA2	0165	165	AM-B	0.13	0.004	0.467
5S-0165-RA3	0165	165	AM-B	0.12	0.004	0.464
5S-0165-RA4	0165	165	AM-B	0.12	0.004	0.469
5S-0165-RA5	0165	165	AM-B	0.12	0.004	0.470
5S-0165-RA6	0165	165	AM-B	0.12	0.004	0.467
5S-0165-RA7	0165	165	AM-B	0.12	0.004	0.464
5S-0166-RA1	0166	166	AM-B	0.12	0.004	0.468
5S-0166-RA2	0166	166	AM-B	0.12	0.004	0.467
5S-0166-RA3	0166	166	AM-B	0.12	0.004	0.468
5S-0166-RA4	0166	166	AM-B	0.13	0.004	0.465
5S-0167-RA1	0167	167	AM-B	0.13	0.004	0.467
5S-0167-RA2	0167	167	AM-B	0.12	0.004	0.463

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0167-RA3	0167	167	AM-B	0.13	0.004	0.466
5S-0167-RA4	0167	167	AM-B	0.12	0.004	0.464
5S-0167-RA5	0167	167	AM-B	0.12	0.004	0.468
5S-0169-RA1	0169	169	AM-B	0.13	0.004	0.468
5S-0169-RA2	0169	169	AM-B	0.12	0.004	0.464
5S-0169-RA3	0169	169	AM-B	0.13	0.004	0.463
5S-0169-RA4	0169	169	AM-B	0.13	0.004	0.465
5S-0170-RA1	0170	170	AM-B	0.12	0.004	0.469
5S-0170-RA2	0170	170	AM-B	0.12	0.004	0.463
5S-0170-RA3	0170	170	AM-B	0.13	0.004	0.465
5S-0170-RA4	0170	170	AM-B	0.13	0.004	0.463
5S-0171-RA1	0171	171	AM-B	0.13	0.004	0.466
5S-0171-RA2	0171	171	AM-B	0.13	0.004	0.469
5S-0171-RA3	0171	171	AM-B	0.13	0.004	0.463
5S-0173-RA1	0173	173	AM-B	0.13	0.004	0.469
5S-0173-RA2	0173	173	AM-B	0.12	0.004	0.463
5S-0173-RA3	0173	173	AM-B	0.12	0.004	0.468
5S-0173-RA4	0173	173	AM-B	0.12	0.004	0.469
5S-0173-RA5	0173	173	AM-B	0.13	0.004	0.463
5S-0173-RA6	0173	173	AM-B	0.13	0.004	0.467
5S-0174-RA1	0174	174	AM-B	0.13	0.004	0.465
5S-0174-RA2	0174	174	AM-B	0.13	0.004	0.463
5S-0174-RA3	0174	174	AM-B	0.12	0.004	0.466
5S-0174-RA4	0174	174	AM-B	0.13	0.004	0.467
5S-0177-RA1	0177	177	AM-B	0.13	0.004	0.462
5S-0177-RA2	0177	177	AM-B	0.13	0.004	0.465
5S-0177-RA3	0177	177	AM-B	0.13	0.004	0.468
5S-0177-RA4	0177	177	AM-B	0.12	0.004	0.465
5S-0178-RA1	0178	178	AM-B	0.13	0.004	0.468
5S-0178-RA2	0178	178	AM-B	0.12	0.004	0.466
5S-0178-RA3	0178	178	AM-B	0.13	0.004	0.465
5S-0178-RA4	0178	178	AM-B	0.12	0.004	0.466
5S-0179-RA1	0179	179	AM-B	0.12	0.004	0.467
5S-0179-RA2	0179	179	AM-B	0.13	0.004	0.465
5S-0182-RA1	0182	182	AM-B	0.12	0.004	0.464
5S-0182-RA2	0182	182	AM-B	0.12	0.004	0.467
5S-0182-RA3	0182	182	AM-B	0.13	0.004	0.467
5S-0182-RA4	0182	182	AM-B	0.12	0.004	0.468
5S-0182-RA5	0182	182	AM-B	0.13	0.004	0.465
5S-0183-RA1	0183	183	AM-B	0.13	0.004	0.468
5S-0183-RA2	0183	183	AM-B	0.13	0.004	0.465
5S-0186-RA1	0186	186	AM-B	0.13	0.004	0.463
5S-0186-RA2	0186	186	AM-B	0.13	0.004	0.468
5S-0186-RA3	0186	186	AM-B	0.13	0.004	0.468
5S-0187-RA1	0187	187	AM-B	0.12	0.004	0.465
5S-0187-RA2	0187	187	AM-B	0.13	0.004	0.465
5S-0188-RA1	0188	188	AM-B	0.13	0.004	0.469
5S-0188-RA2	0188	188	AM-B	0.12	0.004	0.463
5S-0188-RA3	0188	188	AM-B	0.12	0.004	0.463
5S-0188-RA4	0188	188	AM-B	0.12	0.004	0.464
5S-0188-RA5	0188	188	AM-B	0.12	0.004	0.464
5S-0188-RA6	0188	188	AM-B	0.13	0.004	0.462
5S-0188-RA7	0188	188	AM-B	0.12	0.004	0.468
5S-0189-RA1	0189	189	AM-B	0.12	0.004	0.466
5S-0189-RA2	0189	189	AM-B	0.13	0.004	0.462
5S-0189-RA3	0189	189	AM-B	0.12	0.004	0.467
5S-0190-RA1	0190	190	AM-B	0.12	0.004	0.462
5S-0190-RA2	0190	190	AM-B	0.13	0.004	0.468
5S-0190-RA3	0190	190	AM-B	0.12	0.004	0.464
5S-0190-RA4	0190	190	AM-B	0.12	0.004	0.463

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0190-RA5	0190	190	AM-B	0.13	0.004	0.465
5S-0192-RA1	0192	192	AM-B	0.12	0.004	0.469
5S-0192-RA2	0192	192	AM-B	0.13	0.004	0.468
5S-0192-RA3	0192	192	AM-B	0.13	0.004	0.469
5S-0193-RA1	0193	193	AM-B	0.13	0.004	0.468
5S-0194-RA1	0194	194	AM-B	0.12	0.004	0.467
5S-0194-RA2	0194	194	AM-B	0.12	0.004	0.468
5S-0194-RA3	0194	194	AM-B	0.12	0.004	0.466
5S-0194-RA4	0194	194	AM-B	0.12	0.004	0.464
5S-0194-RA5	0194	194	AM-B	0.13	0.004	0.467
5S-0194-RA6	0194	194	AM-B	0.12	0.004	0.466
5S-0194-RA7	0194	194	AM-B	0.13	0.004	0.465
5S-0197-RA1	0197	197	AM-B	0.12	0.004	0.467
5S-0197-RA2	0197	197	AM-B	0.12	0.004	0.467
5S-0197-RA3	0197	197	AM-B	0.12	0.004	0.463
5S-0197-RA4	0197	197	AM-B	0.12	0.004	0.468
5S-0197-RA5	0197	197	AM-B	0.12	0.004	0.469
5S-0198-RA1	0198	198	AM-B	0.12	0.004	0.466
5S-0198-RA2	0198	198	AM-B	0.12	0.004	0.468
5S-0198-RA3	0198	198	AM-B	0.12	0.004	0.464
5S-0198-RA4	0198	198	AM-B	0.12	0.004	0.467
5S-0199-RA1	0199	199	AM-B	0.12	0.004	0.467
5S-0199-RA2	0199	199	AM-B	0.12	0.004	0.465
5S-0199-RA3	0199	199	AM-B	0.12	0.004	0.469
5S-0199-RA4	0199	199	AM-B	0.13	0.004	0.466
5S-0199-RA5	0199	199	AM-B	0.13	0.004	0.469
5S-0200-RA1	0200	200	AM-B	0.12	0.004	0.464
5S-0200-RA2	0200	200	AM-B	0.12	0.004	0.468
5S-0200-RA3	0200	200	AM-B	0.13	0.004	0.466
5S-0200-RA4	0200	200	AM-B	0.13	0.004	0.467
5S-0200-RA5	0200	200	AM-B	0.12	0.004	0.468
	1995	MEAN		0.125		0.466
		STD DEV		0.006		0.002
		MEAN+2SD		0.136		0.470
		MEAN-2SD		0.114		0.462

AMERICAN BULLION, STD. RC-B

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0006-RA1	0006	6	AM-A	0.92	0.027	1.305
5S-0006-RA2	0006	6	AM-A	0.92	0.027	1.307
5S-0006-RA3	0006	6	AM-A	0.86	0.025	1.301
5S-0006-RA4	0006	6	AM-A	0.94	0.027	1.302
5S-0006-RA5	0006	6	AM-A	1.02	0.030	1.295
5S-0006-RA6	0006	6	AM-A	1.05	0.031	1.298
5S-0006-RA7	0006	6	AM-A	0.96	0.028	1.299
5S-0007-RA1	0007	7	AM-A	0.88	0.026	1.308
5S-0007-RA2	0007	7	AM-A	0.93	0.027	1.305
5S-0007-RA3	0007	7	AM-A	0.91	0.027	1.301
5S-0007-RA4	0007	7	AM-A	0.94	0.027	1.306
5S-0007-RA5	0007	7	AM-A	0.94	0.027	1.308
5S-0007-RA6	0007	7	AM-A	0.97	0.028	1.310
5S-0007-RA7	0007	7	AM-A	0.97	0.028	1.294
5S-0007-RA8	0007	7	AM-A	0.89	0.026	1.296
5S-0008-RA1	0008	8	AM-A	0.93	0.027	1.309
5S-0008-RA2	0008	8	AM-A	0.95	0.028	1.298
5S-0008-RA3	0008	8	AM-A	0.93	0.027	1.307
5S-0008-RA4	0008	8	AM-A	0.94	0.027	1.306
5S-0008-RA5	0008	8	AM-A	0.98	0.029	1.299
5S-0008-RA6	0008	8	AM-A	1.02	0.030	1.296
5S-0009-RA1	0009	9	AM-A	0.91	0.027	1.296
5S-0009-RA2	0009	9	AM-A	0.92	0.027	1.298
5S-0009-RA3	0009	9	AM-A	0.93	0.027	1.296
5S-0009-RA4	0009	9	AM-A	0.92	0.027	1.298
5S-0009-RA5	0009	9	AM-A	0.96	0.028	1.306
5S-0009-RA6	0009	9	AM-A	0.95	0.028	1.296
5S-0011-RA1	0011	11	AM-A	0.93	0.027	1.294
5S-0011-RA2	0011	11	AM-A	0.94	0.027	1.302
5S-0011-RA3	0011	11	AM-A	0.97	0.028	1.299
5S-0012-RA1	0012	12	AM-A	0.91	0.027	1.305
5S-0012-RA2	0012	12	AM-A	0.95	0.028	1.298
5S-0012-RA3	0012	12	AM-A	0.95	0.028	1.301
5S-0012-RA4	0012	12	AM-A	0.89	0.026	1.297
5S-0013-RA1	0013	13	AM-A	0.91	0.027	1.301
5S-0013-RA2	0013	13	AM-A	0.93	0.027	1.303
5S-0013-RA3	0013	13	AM-A	0.95	0.028	1.296
5S-0013-RA4	0013	13	AM-A	0.95	0.028	1.299
5S-0013-RA5	0013	13	AM-A	0.94	0.027	1.305
5S-0015-RA1	0015	15	AM-A	0.90	0.026	1.308
5S-0015-RA2	0015	15	AM-A	0.92	0.027	1.304
5S-0015-RA3	0015	15	AM-A	0.89	0.026	1.305
5S-0015-RA4	0015	15	AM-A	0.88	0.026	1.302
5S-0015-RA5	0015	15	AM-A	1.01	0.029	1.306
5S-0016-RA1	0016	16	AM-A	0.91	0.027	1.307
5S-0016-RA2	0016	16	AM-A	0.90	0.026	1.299
5S-0016-RA3	0016	16	AM-A	0.89	0.026	1.294
5S-0016-RA4	0016	16	AM-A	0.91	0.027	1.296
5S-0016-RA5	0016	16	AM-A	0.91	0.027	1.299
5S-0016-RA6	0016	16	AM-A	0.93	0.027	1.296
5S-0016-RA7	0016	16	AM-A	0.91	0.027	1.301
5S-0016-RA8	0016	16	AM-A	0.90	0.026	1.297
5S-0017-RA1	0017	17	AM-A	0.95	0.028	1.296
5S-0017-RA2	0017	17	AM-A	0.95	0.028	1.297
5S-0017-RA3	0017	17	AM-A	0.88	0.026	1.303
5S-0017-RA4	0017	17	AM-A	1.00	0.029	1.299
5S-0017-RA5	0017	17	AM-A	0.93	0.027	1.307
5S-0017-RA6	0017	17	AM-A	0.91	0.027	1.302
5S-0017-RA7	0017	17	AM-A	0.95	0.028	1.300
5S-0017-RA8	0017	17	AM-A	0.95	0.028	1.295

AMERICAN BULLION, STD. RC-B

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0018-RA1	0018	18	AM-A	1.01	0.029	1.301
5S-0018-RA2	0018	18	AM-A	0.96	0.028	1.303
5S-0018-RA3	0018	18	AM-A	0.95	0.028	1.299
5S-0018-RA4	0018	18	AM-A	0.93	0.027	1.300
5S-0018-RA5	0018	18	AM-A	0.94	0.027	1.300
5S-0018-RA6	0018	18	AM-A	0.95	0.028	1.295
5S-0018-RA7	0018	18	AM-A	1.00	0.029	1.298
5S-0019-RA1	0019	19	AM-A	0.95	0.028	1.303
5S-0019-RA2	0019	19	AM-A	0.98	0.029	1.304
5S-0019-RA3	0019	19	AM-A	0.88	0.026	1.302
5S-0019-RA4	0019	19	AM-A	0.87	0.025	1.296
5S-0019-RA5	0019	19	AM-A	0.89	0.026	1.306
5S-0022-RA1	0022	22	AM-A	0.91	0.027	1.302
5S-0022-RA2	0022	22	AM-A	0.92	0.027	1.304
5S-0022-RA3	0022	22	AM-A	0.95	0.028	1.305
5S-0022-RA4	0022	22	AM-A	0.95	0.028	1.297
5S-0022-RA5	0022	22	AM-A	0.92	0.027	1.296
5S-0023-RA1	0023	23	AM-A	0.94	0.027	1.300
5S-0023-RA2	0023	23	AM-A	0.94	0.027	1.304
5S-0023-RA3	0023	23	AM-A	0.88	0.026	1.298
5S-0023-RA4	0023	23	AM-A	0.87	0.025	1.299
5S-0023-RA5	0023	23	AM-A	0.85	0.025	1.299
5S-0023-RA6	0023	23	AM-A	0.87	0.025	1.301
5S-0025-RA1	0025	25	AM-A	0.94	0.027	1.297
5S-0025-RA2	0025	25	AM-A	0.91	0.027	1.302
5S-0025-RA3	0025	25	AM-A	0.89	0.026	1.296
5S-0025-RA4	0025	25	AM-A	0.86	0.025	1.299
5S-0027-RA1	0027	27	AM-A	0.86	0.025	1.303
5S-0027-RA2	0027	27	AM-A	0.88	0.026	1.298
5S-0027-RA3	0027	27	AM-A	0.90	0.026	1.297
5S-0027-RA4	0027	27	AM-A	0.86	0.025	1.300
5S-0027-RA5	0027	27	AM-A	0.89	0.026	1.308
5S-0027-RA6	0027	27	AM-A	0.86	0.025	1.297
5S-0029-RA1	0029	29	AM-A	0.91	0.027	1.307
5S-0029-RA2	0029	29	AM-A	0.89	0.026	1.305
5S-0029-RA3	0029	29	AM-A	0.88	0.026	1.306
5S-0029-RA4	0029	29	AM-A	1.01	0.029	1.295
5S-0029-RA5	0029	29	AM-A	0.92	0.027	1.302
5S-0029-RA6	0029	29	AM-A	0.89	0.026	1.295
5S-0030-RA1	0030	30	AM-A	0.85	0.025	1.305
5S-0030-RA2	0030	30	AM-A	0.86	0.025	1.296
5S-0030-RA3	0030	30	AM-A	0.86	0.025	1.298
5S-0030-RA4	0030	30	AM-A	0.92	0.027	1.296
5S-0030-RA5	0030	30	AM-A	1.03	0.030	1.297
5S-0031-RA1	0031	31	AM-A	0.95	0.028	1.307
5S-0031-RA2	0031	31	AM-A	0.87	0.025	1.299
5S-0031-RA3	0031	31	AM-A	0.88	0.026	1.306
5S-0031-RA4	0031	31	AM-A	0.85	0.025	1.307
5S-0031-RA5	0031	31	AM-A	0.89	0.026	1.306
5S-0031-RA6	0031	31	AM-A	0.93	0.027	1.299
5S-0031-RA7	0031	31	AM-A	0.91	0.027	1.300
5S-0034-RA1	0034	34	AM-A	0.94	0.027	1.304
5S-0034-RA2	0034	34	AM-A	0.92	0.027	1.307
5S-0034-RA3	0034	34	AM-A	0.89	0.026	1.306
5S-0034-RA4	0034	34	AM-A	0.95	0.028	1.297
5S-0034-RA5	0034	34	AM-A	0.92	0.027	1.296
5S-0034-RA6	0034	34	AM-A	0.90	0.026	1.303
5S-0035-RA1	0035	35	AM-A	0.97	0.028	1.295
5S-0035-RA2	0035	35	AM-A	1.02	0.030	1.306
5S-0035-RA3	0035	35	AM-A	0.95	0.028	1.307

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0035-RA4	0035	35	AM-A	0.90	0.026	1.306
5S-0035-RA5	0035	35	AM-A	0.93	0.027	1.301
5S-0037-RA1	0037	37	AM-A	0.96	0.028	1.296
5S-0037-RA2	0037	37	AM-A	1.03	0.030	1.308
5S-0037-RA3	0037	37	AM-A	0.92	0.027	1.298
5S-0037-RA4	0037	37	AM-A	0.87	0.025	1.300
5S-0037-RA5	0037	37	AM-A	0.91	0.027	1.300
5S-0038-RA1	0038	38	AM-A	0.98	0.029	1.299
5S-0038-RA2	0038	38	AM-A	0.94	0.027	1.305
5S-0038-RA3	0038	38	AM-A	0.94	0.027	1.306
5S-0038-RA4	0038	38	AM-A	0.89	0.026	1.307
5S-0038-RA5	0038	38	AM-A	0.92	0.027	1.302
5S-0038-RA6	0038	38	AM-A	0.90	0.026	1.296
5S-0038-RA7	0038	38	AM-A	0.95	0.028	1.305
5S-0038-RA8	0038	38	AM-A	0.96	0.028	1.306
5S-0039-RA1	0039	39	AM-A	0.89	0.026	1.302
5S-0039-RA2	0039	39	AM-A	0.88	0.026	1.300
5S-0039-RA3	0039	39	AM-A	0.92	0.027	1.296
5S-0039-RA4	0039	39	AM-A	0.95	0.028	1.308
5S-0039-RA5	0039	39	AM-A	0.94	0.027	1.306
5S-0043-RA1	0043	43	AM-A	0.88	0.026	1.297
5S-0043-RA2	0043	43	AM-A	0.86	0.025	1.299
5S-0043-RA3	0043	43	AM-A	0.86	0.025	1.300
5S-0043-RA4	0043	43	AM-A	0.88	0.026	1.297
5S-0043-RA5	0043	43	AM-A	0.89	0.026	1.299
5S-0043-RA6	0043	43	AM-A	1.01	0.029	1.302
5S-0043-RA7	0043	43	AM-A	0.94	0.027	1.306
5S-0043-RA8	0043	43	AM-A	0.89	0.026	1.305
5S-0044-RA1	0044	44	AM-A	0.89	0.026	1.304
5S-0044-RA2	0044	44	AM-A	0.88	0.026	1.298
5S-0044-RA3	0044	44	AM-A	0.90	0.026	1.297
5S-0044-RA4	0044	44	AM-A	0.90	0.026	1.299
5S-0044-RA5	0044	44	AM-A	0.93	0.027	1.306
5S-0044-RA6	0044	44	AM-A	0.87	0.025	1.302
5S-0047-RA1	0047	47	AM-A	0.99	0.029	1.305
5S-0047-RA2	0047	47	AM-A	1.02	0.030	1.302
5S-0047-RA3	0047	47	AM-A	0.93	0.027	1.306
5S-0047-RA4	0047	47	AM-A	0.89	0.026	1.297
5S-0047-RA5	0047	47	AM-A	0.95	0.028	1.296
5S-0047-RA6	0047	47	AM-A	0.90	0.026	1.299
5S-0048-RA1	0048	48	AM-A	0.90	0.026	1.296
5S-0048-RA2	0048	48	AM-A	0.90	0.026	1.298
5S-0048-RA3	0048	48	AM-A	0.92	0.027	1.306
5S-0048-RA4	0048	48	AM-A	0.91	0.027	1.297
5S-0048-RA5	0048	48	AM-A	0.88	0.026	1.303
5S-0061-RA1	0061	61	AM-A	0.90	0.026	1.297
5S-0061-RA2	0061	61	AM-A	0.93	0.027	1.304
5S-0061-RA3	0061	61	AM-A	0.89	0.026	1.306
5S-0061-RA4	0061	61	AM-A	0.96	0.028	1.305
5S-0061-RA5	0061	61	AM-A	0.89	0.026	1.302
5S-0062-RA1	0062	62	AM-A	0.95	0.028	1.296
5S-0062-RA2	0062	62	AM-A	0.95	0.028	1.300
5S-0062-RA3	0062	62	AM-A	0.95	0.028	1.298
5S-0062-RA4	0062	62	AM-A	0.96	0.028	1.301
5S-0062-RA5	0062	62	AM-A	0.95	0.028	1.302
5S-0062-RA6	0062	62	AM-A	0.95	0.028	1.305
5S-0065-RA1	0065	65	AM-A	0.89	0.026	1.298
5S-0065-RA2	0065	65	AM-A	0.86	0.025	1.296
5S-0065-RA3	0065	65	AM-A	0.91	0.027	1.297
5S-0065-RA4	0065	65	AM-A	0.93	0.027	1.298

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0065-RA5	0065	65	AM-A	1.00	0.029	1.298
5S-0065-RA6	0065	65	AM-A	0.95	0.028	1.302
5S-0065-RA7	0065	65	AM-A	0.88	0.026	1.299
5S-0066-RA1	0066	66	AM-A	0.93	0.027	1.297
5S-0066-RA2	0066	66	AM-A	0.87	0.025	1.300
5S-0066-RA3	0066	66	AM-A	0.93	0.027	1.302
5S-0066-RA4	0066	66	AM-A	0.98	0.029	1.297
5S-0068-RA1	0068	68	AM-A	0.90	0.026	1.296
5S-0068-RA2	0068	68	AM-A	0.92	0.027	1.299
5S-0068-RA3	0068	68	AM-A	0.87	0.025	1.297
5S-0068-RA4	0068	68	AM-A	0.88	0.026	1.298
5S-0069-RA1	0069	69	AM-A	1.05	0.031	1.297
5S-0069-RA2	0069	69	AM-A	0.89	0.026	1.299
5S-0069-RA3	0069	69	AM-A	0.86	0.025	1.302
5S-0069-RA4	0069	69	AM-A	0.88	0.026	1.300
5S-0070-RA1	0070	70	AM-A	0.87	0.025	1.300
5S-0070-RA2	0070	70	AM-A	0.89	0.026	1.299
5S-0070-RA3	0070	70	AM-A	0.92	0.027	1.304
5S-0070-RA4	0070	70	AM-A	0.93	0.027	1.305
5S-0070-RA5	0070	70	AM-A	0.89	0.026	1.303
5S-0074-RA1	0074	74	AM-A	0.92	0.027	1.298
5S-0074-RA2	0074	74	AM-A	0.87	0.025	1.300
5S-0074-RA3	0074	74	AM-A	0.90	0.026	1.305
5S-0074-RA4	0074	74	AM-A	0.92	0.027	1.302
5S-0074-RA5	0074	74	AM-A	0.99	0.029	1.298
5S-0074-RA6	0074	74	AM-A	0.88	0.026	1.299
5S-0076-RA1	0076	76	AM-A	0.89	0.026	1.302
5S-0076-RA2	0076	76	AM-A	0.90	0.026	1.302
5S-0076-RA3	0076	76	AM-A	0.88	0.026	1.299
5S-0076-RA4	0076	76	AM-A	0.86	0.025	1.298
5S-0076-RA5	0076	76	AM-A	0.91	0.027	1.305
5S-0076-RA6	0076	76	AM-A	0.89	0.026	1.301
5S-0089-RA1	0089	89	AM-A	0.86	0.025	1.298
5S-0089-RA2	0089	89	AM-A	0.90	0.026	1.301
5S-0092-RA1	0092	92	AM-A	0.89	0.026	1.304
5S-0092-RA2	0092	92	AM-A	0.88	0.026	1.298
5S-0092-RA3	0092	92	AM-A	0.90	0.026	1.304
5S-0092-RA4	0092	92	AM-A	0.86	0.025	1.297
5S-0092-RA5	0092	92	AM-A	0.88	0.026	1.299
5S-0092-RA6	0092	92	AM-A	0.86	0.025	1.296
5S-0092-RA7	0092	92	AM-A	0.90	0.026	1.303
5S-0092-RA8	0092	92	AM-A	0.98	0.029	1.304
5S-0092-RA9	0092	92	AM-A	0.89	0.026	1.302
5S-0093-RA1	0093	93	AM-A	0.92	0.027	1.301
5S-0102-RA1	0102	102	AM-A	0.88	0.026	1.302
5S-0102-RA2	0102	102	AM-A	0.92	0.027	1.298
5S-0103-RA1	0103	103	AM-A	0.93	0.027	1.297
5S-0103-RA2	0103	103	AM-A	1.02	0.030	1.299
5S-0103-RA3	0103	103	AM-A	0.94	0.027	1.300
5S-0103-RA4	0103	103	AM-A	1.02	0.030	1.302
5S-0103-RA5	0103	103	AM-A	0.89	0.026	1.298
5S-0109-RA1	0109	109	AM-A	0.95	0.028	1.298
5S-0109-RA2	0109	109	AM-A	0.97	0.028	1.304
5S-0109-RA3	0109	109	AM-A	0.89	0.026	1.296
5S-0109-RA4	0109	109	AM-A	0.92	0.027	1.302
5S-0110-RA1	0110	110	AM-A	0.86	0.025	1.304
5S-0110-RA2	0110	110	AM-A	0.89	0.026	1.303
5S-0110-RA3	0110	110	AM-A	0.93	0.027	1.302
5S-0110-RA4	0110	110	AM-A	0.90	0.026	1.298
5S-0110-RA5	0110	110	AM-A	0.94	0.027	1.301

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0116-RA1	0116	116	AM-A	0.92	0.027	1.302
5S-0116-RA2	0116	116	AM-A	0.93	0.027	1.301
5S-0116-RA3	0116	116	AM-A	0.88	0.026	1.297
5S-0116-RA4	0116	116	AM-A	0.95	0.028	1.296
5S-0116-RA5	0116	116	AM-A	0.92	0.027	1.293
5S-0117-RA1	0117	117	AM-A	0.89	0.026	1.294
5S-0117-RA2	0117	117	AM-A	0.90	0.026	1.304
5S-0117-RA3	0117	117	AM-A	0.89	0.026	1.296
5S-0117-RA4	0117	117	AM-A	0.91	0.027	1.301
5S-0117-RA5	0117	117	AM-A	0.93	0.027	1.300
5S-0119-RA1	0119	119	AM-A	0.93	0.027	1.297
5S-0119-RA2	0119	119	AM-A	0.94	0.027	1.302
5S-0119-RA3	0119	119	AM-A	0.93	0.027	1.300
5S-0119-RA4	0119	119	AM-A	0.89	0.026	1.298
5S-0119-RA5	0119	119	AM-A	0.90	0.026	1.303
5S-0120-RA1	0120	120	AM-A	0.95	0.028	1.297
5S-0120-RA2	0120	120	AM-A	1.02	0.030	1.301
5S-0120-RA3	0120	120	AM-A	0.90	0.026	1.300
5S-0120-RA4	0120	120	AM-A	0.94	0.027	1.302
5S-0120-RA5	0120	120	AM-A	0.88	0.026	1.296
5S-0120-RA6	0120	120	AM-A	0.95	0.028	1.298
5S-0121-RA1	0121	121	AM-A	0.90	0.026	1.302
5S-0121-RA2	0121	121	AM-A	0.88	0.026	1.301
5S-0121-RA3	0121	121	AM-A	0.88	0.026	1.296
5S-0121-RA4	0121	121	AM-A	0.93	0.027	1.303
5S-0121-RA5	0121	121	AM-A	0.92	0.027	1.301
5S-0130-RA1	0130	130	AM-A	0.95	0.028	1.299
5S-0130-RA2	0130	130	AM-A	0.88	0.026	1.298
5S-0130-RA3	0130	130	AM-A	0.93	0.027	1.302
5S-0130-RA4	0130	130	AM-A	0.86	0.025	1.296
5S-0130-RA5	0130	130	AM-A	0.98	0.029	1.298
5S-0133-RA1	0133	133	AM-A	0.94	0.027	1.300
5S-0133-RA2	0133	133	AM-A	0.89	0.026	1.298
5S-0133-RA3	0133	133	AM-A	0.98	0.029	1.304
5S-0134-RA1	0134	134	AM-A	0.89	0.026	1.299
5S-0134-RA2	0134	134	AM-A	0.88	0.026	1.296
5S-0134-RA3	0134	134	AM-A	0.93	0.027	1.298
5S-0134-RA4	0134	134	AM-A	0.95	0.028	1.297
5S-0134-RA5	0134	134	AM-A	0.87	0.025	1.299
5S-0134-RA6	0134	134	AM-A	0.91	0.027	1.300
5S-0135-RA1	0135	135	AM-A	1.02	0.030	1.303
5S-0135-RA2	0135	135	AM-A	0.89	0.026	1.298
5S-0135-RA3	0135	135	AM-A	0.95	0.028	1.302
5S-0135-RA4	0135	135	AM-A	0.90	0.026	1.300
5S-0135-RA5	0135	135	AM-A	0.92	0.027	1.297
5S-0138-RA1	0138	138	AM-A	0.86	0.025	1.297
5S-0138-RA2	0138	138	AM-A	0.88	0.026	1.299
5S-0138-RA3	0138	138	AM-A	0.88	0.026	1.299
5S-0138-RA4	0138	138	AM-A	0.89	0.026	1.300
5S-0139-RA1	0139	139	AM-A	0.88	0.026	1.297
5S-0139-RA2	0139	139	AM-A	0.93	0.027	1.297
5S-0139-RA3	0139	139	AM-A	0.90	0.026	1.297
5S-0139-RA4	0139	139	AM-A	0.89	0.026	1.300
5S-0139-RA5	0139	139	AM-A	0.92	0.027	1.298
5S-0140-RA1	0140	140	AM-A	0.89	0.026	1.298
5S-0140-RA2	0140	140	AM-A	0.87	0.025	1.296
5S-0140-RA3	0140	140	AM-A	0.95	0.028	1.299
5S-0140-RA4	0140	140	AM-A	0.88	0.026	1.301
5S-0140-RA5	0140	140	AM-A	1.02	0.030	1.298
5S-0140-RA6	0140	140	AM-A	0.89	0.026	1.298

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0141-RA1	0141	141	AM-A	0.89	0.026	1.303
5S-0141-RA2	0141	141	AM-A	0.98	0.029	1.299
5S-0141-RA3	0141	141	AM-A	0.92	0.027	1.298
5S-0141-RA4	0141	141	AM-A	0.97	0.028	1.302
5S-0141-RA5	0141	141	AM-A	0.88	0.026	1.297
5S-0144-RA1	0144	144	AM-A	0.87	0.025	1.297
5S-0144-RA2	0144	144	AM-A	0.94	0.027	1.303
5S-0144-RA3	0144	144	AM-A	0.95	0.028	1.296
5S-0144-RA4	0144	144	AM-A	0.91	0.027	1.298
5S-0146-RA1	0146	146	AM-A	0.93	0.027	1.298
5S-0146-RA2	0146	146	AM-A	0.90	0.026	1.297
5S-0146-RA3	0146	146	AM-A	0.89	0.026	1.299
5S-0146-RA4	0146	146	AM-A	0.89	0.026	1.300
5S-0146-RA5	0146	146	AM-A	0.90	0.026	1.297
5S-0146-RA6	0146	146	AM-A	0.89	0.026	1.297
5S-0147-RA1	0147	147	AM-A	0.88	0.026	1.302
5S-0147-RA2	0147	147	AM-A	0.95	0.028	1.297
5S-0147-RA3	0147	147	AM-A	0.88	0.026	1.296
5S-0147-RA4	0147	147	AM-A	0.94	0.027	1.299
5S-0150-RA1	0150	150	AM-A	0.92	0.027	1.298
5S-0150-RA2	0150	150	AM-A	0.93	0.027	1.299
5S-0150-RA3	0150	150	AM-A	0.88	0.026	1.296
5S-0150-RA4	0150	150	AM-A	0.95	0.028	1.301
5S-0151-RA1	0151	151	AM-A	0.99	0.029	1.298
5S-0151-RA2	0151	151	AM-A	0.89	0.026	1.298
5S-0151-RA3	0151	151	AM-A	0.87	0.025	1.299
5S-0151-RA4	0151	151	AM-A	0.88	0.026	1.300
5S-0156-RA1	0156	156	AM-A	0.90	0.026	1.297
5S-0156-RA2	0156	156	AM-A	0.95	0.028	1.300
5S-0157-RA1	0157	157	AM-A	0.93	0.027	1.297
5S-0157-RA2	0157	157	AM-A	0.89	0.026	1.302
5S-0157-RA3	0157	157	AM-A	0.94	0.027	1.297
5S-0157-RA4	0157	157	AM-A	0.88	0.026	1.302
5S-0157-RA5	0157	157	AM-A	0.96	0.028	1.303
5S-0158-RA1	0158	158	AM-A	0.91	0.027	1.296
5S-0158-RA2	0158	158	AM-A	0.93	0.027	1.300
5S-0158-RA3	0158	158	AM-A	0.89	0.026	1.296
5S-0160-RA1	0160	160	AM-A	0.88	0.026	1.297
5S-0160-RA2	0160	160	AM-A	0.93	0.027	1.297
5S-0160-RA3	0160	160	AM-A	0.90	0.026	1.302
5S-0160-RA4	0160	160	AM-A	0.90	0.026	1.296
5S-0160-RA5	0160	160	AM-A	0.89	0.026	1.297
5S-0161-RA1	0161	161	AM-A	0.89	0.026	1.296
5S-0161-RA2	0161	161	AM-A	0.90	0.026	1.298
5S-0161-RA3	0161	161	AM-A	0.92	0.027	1.298
5S-0161-RA4	0161	161	AM-A	0.88	0.026	1.303
5S-0161-RA5	0161	161	AM-A	0.92	0.027	1.298
5S-0165-RA1	0165	165	AM-A	0.90	0.026	1.299
5S-0165-RA2	0165	165	AM-A	0.92	0.027	1.296
5S-0165-RA3	0165	165	AM-A	0.88	0.026	1.302
5S-0165-RA4	0165	165	AM-A	0.88	0.026	1.298
5S-0165-RA5	0165	165	AM-A	1.02	0.030	1.299
5S-0165-RA6	0165	165	AM-A	0.92	0.027	1.300
5S-0165-RA7	0165	165	AM-A	0.88	0.026	1.298
5S-0166-RA1	0166	166	AM-A	0.89	0.026	1.297
5S-0166-RA2	0166	166	AM-A	0.89	0.026	1.297
5S-0166-RA3	0166	166	AM-A	0.89	0.026	1.296
5S-0166-RA4	0166	166	AM-A	0.90	0.026	1.298
5S-0167-RA1	0167	167	AM-A	0.88	0.026	1.296
5S-0167-RA2	0167	167	AM-A	0.93	0.027	1.298

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0167-RA3	0167	167	AM-A	0.93	0.027	1.298
5S-0167-RA4	0167	167	AM-A	0.95	0.028	1.296
5S-0167-RA5	0167	167	AM-A	0.89	0.026	1.304
5S-0169-RA1	0169	169	AM-A	0.92	0.027	1.304
5S-0169-RA2	0169	169	AM-A	0.89	0.026	1.296
5S-0169-RA3	0169	169	AM-A	0.98	0.029	1.298
5S-0169-RA4	0169	169	AM-A	0.95	0.028	1.304
5S-0170-RA1	0170	170	AM-A	0.99	0.029	1.297
5S-0170-RA2	0170	170	AM-A	0.89	0.026	1.298
5S-0170-RA3	0170	170	AM-A	0.90	0.026	1.299
5S-0170-RA4	0170	170	AM-A	0.90	0.026	1.297
5S-0171-RA1	0171	171	AM-A	0.88	0.026	1.298
5S-0171-RA2	0171	171	AM-A	0.91	0.027	1.301
5S-0171-RA3	0171	171	AM-A	0.95	0.028	1.304
5S-0173-RA1	0173	173	AM-A	0.93	0.027	1.295
5S-0173-RA2	0173	173	AM-A	0.88	0.026	1.297
5S-0173-RA3	0173	173	AM-A	0.90	0.026	1.296
5S-0173-RA4	0173	173	AM-A	0.93	0.027	1.295
5S-0173-RA5	0173	173	AM-A	0.90	0.026	1.296
5S-0173-RA6	0173	173	AM-A	0.95	0.028	1.298
5S-0174-RA1	0174	174	AM-A	0.90	0.026	1.301
5S-0174-RA2	0174	174	AM-A	1.00	0.029	1.298
5S-0174-RA3	0174	174	AM-A	0.89	0.026	1.296
5S-0174-RA4	0174	174	AM-A	0.92	0.027	1.302
5S-0177-RA1	0177	177	AM-A	0.92	0.027	1.301
5S-0177-RA2	0177	177	AM-A	0.92	0.027	1.296
5S-0177-RA3	0177	177	AM-A	0.89	0.026	1.302
5S-0177-RA4	0177	177	AM-A	0.95	0.028	1.300
5S-0178-RA1	0178	178	AM-A	0.94	0.027	1.296
5S-0178-RA2	0178	178	AM-A	0.89	0.026	1.300
5S-0178-RA3	0178	178	AM-A	0.89	0.026	1.296
5S-0178-RA4	0178	178	AM-A	0.98	0.029	1.301
5S-0179-RA1	0179	179	AM-A	0.93	0.027	1.302
5S-0179-RA2	0179	179	AM-A	0.92	0.027	1.298
5S-0182-RA1	0182	182	AM-A	0.94	0.027	1.296
5S-0182-RA2	0182	182	AM-A	0.95	0.028	1.298
5S-0182-RA3	0182	182	AM-A	0.89	0.026	1.297
5S-0182-RA4	0182	182	AM-A	0.99	0.029	1.300
5S-0182-RA5	0182	182	AM-A	0.88	0.026	1.303
5S-0183-RA1	0183	183	AM-A	0.94	0.027	1.302
5S-0183-RA2	0183	183	AM-A	0.89	0.026	1.298
5S-0186-RA1	0186	186	AM-A	0.90	0.026	1.301
5S-0186-RA2	0186	186	AM-A	0.88	0.026	1.302
5S-0186-RA3	0186	186	AM-A	0.96	0.028	1.300
5S-0187-RA1	0187	187	AM-A	0.95	0.028	1.299
5S-0187-RA2	0187	187	AM-A	0.92	0.027	1.300
5S-0188-RA1	0188	188	AM-A	0.87	0.025	1.302
5S-0188-RA2	0188	188	AM-A	0.93	0.027	1.303
5S-0188-RA3	0188	188	AM-A	0.98	0.029	1.298
5S-0188-RA4	0188	188	AM-A	0.94	0.027	1.298
5S-0188-RA5	0188	188	AM-A	0.91	0.027	1.297
5S-0188-RA6	0188	188	AM-A	0.93	0.027	1.298
5S-0188-RA7	0188	188	AM-A	0.88	0.026	1.297
5S-0189-RA1	0189	189	AM-A	0.94	0.027	1.304
5S-0189-RA2	0189	189	AM-A	0.93	0.027	1.299
5S-0189-RA3	0189	189	AM-A	0.90	0.026	1.302
5S-0190-RA1	0190	190	AM-A	0.90	0.026	1.299
5S-0190-RA2	0190	190	AM-A	0.96	0.028	1.296
5S-0190-RA3	0190	190	AM-A	0.92	0.027	1.296
5S-0190-RA4	0190	190	AM-A	0.89	0.026	1.299

Certificate Number	WORK ORDER	WORK ORDER*10000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0190-RA5	0190	190	AM-A	0.98	0.029	1.297
5S-0192-RA1	0192	192	AM-A	0.94	0.027	1.295
5S-0192-RA2	0192	192	AM-A	0.88	0.026	1.296
5S-0192-RA3	0192	192	AM-A	0.97	0.028	1.298
5S-0193-RA1	0193	193	AM-A	0.90	0.026	1.297
5S-0194-RA1	0194	194	AM-A	0.95	0.028	1.295
5S-0194-RA2	0194	194	AM-A	0.99	0.029	1.301
5S-0194-RA3	0194	194	AM-A	0.90	0.026	1.295
5S-0194-RA4	0194	194	AM-A	0.88	0.026	1.297
5S-0194-RA5	0194	194	AM-A	0.89	0.026	1.298
5S-0194-RA6	0194	194	AM-A	0.96	0.028	1.297
5S-0194-RA7	0194	194	AM-A	0.91	0.027	1.302
5S-0197-RA1	0197	197	AM-A	0.97	0.028	1.298
5S-0197-RA2	0197	197	AM-A	0.93	0.027	1.296
5S-0197-RA3	0197	197	AM-A	0.90	0.026	1.299
5S-0197-RA4	0197	197	AM-A	0.87	0.025	1.297
5S-0197-RA5	0197	197	AM-A	0.94	0.027	1.300
5S-0198-RA1	0198	198	AM-A	0.95	0.028	1.299
5S-0198-RA2	0198	198	AM-A	0.89	0.026	1.296
5S-0198-RA3	0198	198	AM-A	0.90	0.026	1.299
5S-0198-RA4	0198	198	AM-A	0.92	0.027	1.302
5S-0199-RA1	0199	199	AM-A	0.88	0.026	1.298
5S-0199-RA2	0199	199	AM-A	0.93	0.027	1.303
5S-0199-RA3	0199	199	AM-A	0.94	0.027	1.303
5S-0199-RA4	0199	199	AM-A	0.95	0.028	1.298
5S-0199-RA5	0199	199	AM-A	0.94	0.027	1.296
5S-0200-RA1	0200	200	AM-A	0.94	0.027	1.297
5S-0200-RA2	0200	200	AM-A	0.90	0.026	1.296
5S-0200-RA3	0200	200	AM-A	0.88	0.026	1.299
5S-0200-RA4	0200	200	AM-A	0.87	0.025	1.302
5S-0200-RA5	0200	200	AM-A	0.93	0.027	1.296
1995	MEAN			0.919		1.300
	STD DEV			0.039		0.003
	MEAN+2SD			0.996		1.307
	MEAN-2SD			0.841		1.293

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0006-RA1	0006	6	STD	0.28	0.008	0.518
5S-0006-RA2	0006	6	STD	0.27	0.008	0.520
5S-0006-RA3	0006	6	STD	0.26	0.008	0.516
5S-0006-RA4	0006	6	STD	0.28	0.008	0.516
5S-0006-RA5	0006	6	STD	0.26	0.008	0.524
5S-0006-RA6	0006	6	STD	0.26	0.008	0.510
5S-0006-RA7	0006	6	STD	0.28	0.008	0.513
5S-0007-RA1	0007	7	STD	0.27	0.008	0.514
5S-0007-RA2	0007	7	STD	0.28	0.008	0.515
5S-0007-RA3	0007	7	STD	0.28	0.008	0.516
5S-0007-RA4	0007	7	STD	0.26	0.008	0.524
5S-0007-RA5	0007	7	STD	0.28	0.008	0.524
5S-0007-RA6	0007	7	STD	0.28	0.008	0.520
5S-0007-RA7	0007	7	STD	0.28	0.008	0.525
5S-0007-RA8	0007	7	STD	0.27	0.008	0.520
5S-0008-RA1	0008	8	STD	0.28	0.008	0.520
5S-0008-RA2	0008	8	STD	0.26	0.008	0.528
5S-0008-RA3	0008	8	STD	0.26	0.008	0.521
5S-0008-RA4	0008	8	STD	0.27	0.008	0.524
5S-0008-RA5	0008	8	STD	0.27	0.008	0.526
5S-0008-RA6	0008	8	STD	0.27	0.008	0.514
5S-0009-RA1	0009	9	STD	0.27	0.008	0.519
5S-0009-RA2	0009	9	STD	0.26	0.008	0.522
5S-0009-RA3	0009	9	STD	0.28	0.008	0.522
5S-0009-RA4	0009	9	STD	0.26	0.008	0.522
5S-0009-RA5	0009	9	STD	0.26	0.008	0.521
5S-0009-RA6	0009	9	STD	0.28	0.008	0.523
5S-0011-RA1	0011	11	STD	0.28	0.008	0.516
5S-0011-RA2	0011	11	STD	0.26	0.008	0.510
5S-0011-RA3	0011	11	STD	0.27	0.008	0.513
5S-0012-RA1	0012	12	STD	0.26	0.008	0.523
5S-0012-RA2	0012	12	STD	0.26	0.008	0.518
5S-0012-RA3	0012	12	STD	0.27	0.008	0.519
5S-0012-RA4	0012	12	STD	0.25	0.007	0.521
5S-0013-RA1	0013	13	STD	0.25	0.007	0.521
5S-0013-RA2	0013	13	STD	0.26	0.008	0.513
5S-0013-RA3	0013	13	STD	0.25	0.007	0.519
5S-0013-RA4	0013	13	STD	0.27	0.008	0.526
5S-0013-RA5	0013	13	STD	0.28	0.008	0.520
5S-0015-RA1	0015	15	STD	0.26	0.008	0.524
5S-0015-RA2	0015	15	STD	0.26	0.008	0.517
5S-0015-RA3	0015	15	STD	0.27	0.008	0.521
5S-0015-RA4	0015	15	STD	0.27	0.008	0.518
5S-0015-RA5	0015	15	STD	0.26	0.008	0.520
5S-0016-RA1	0016	16	STD	0.26	0.008	0.521
5S-0016-RA2	0016	16	STD	0.28	0.008	0.517
5S-0016-RA3	0016	16	STD	0.26	0.008	0.522
5S-0016-RA4	0016	16	STD	0.26	0.008	0.513
5S-0016-RA5	0016	16	STD	0.27	0.008	0.515
5S-0016-RA6	0016	16	STD	0.28	0.008	0.525
5S-0016-RA7	0016	16	STD	0.26	0.008	0.522
5S-0016-RA8	0016	16	STD	0.26	0.008	0.519
5S-0017-RA1	0017	17	STD	0.26	0.008	0.525
5S-0017-RA2	0017	17	STD	0.25	0.007	0.524
5S-0017-RA3	0017	17	STD	0.28	0.008	0.521
5S-0017-RA4	0017	17	STD	0.27	0.008	0.523
5S-0017-RA5	0017	17	STD	0.27	0.008	0.508
5S-0017-RA6	0017	17	STD	0.26	0.008	0.522
5S-0017-RA7	0017	17	STD	0.26	0.008	0.528
5S-0017-RA8	0017	17	STD	0.26	0.008	0.526

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0018-RA1	0018	18	STD	0.27	0.008	0.524
5S-0018-RA2	0018	18	STD	0.26	0.008	0.526
5S-0018-RA3	0018	18	STD	0.27	0.008	0.522
5S-0018-RA4	0018	18	STD	0.27	0.008	0.517
5S-0018-RA5	0018	18	STD	0.27	0.008	0.514
5S-0018-RA6	0018	18	STD	0.27	0.008	0.522
5S-0018-RA7	0018	18	STD	0.28	0.008	0.518
5S-0019-RA1	0019	19	STD	0.27	0.008	0.514
5S-0019-RA2	0019	19	STD	0.26	0.008	0.522
5S-0019-RA3	0019	19	STD	0.26	0.008	0.525
5S-0019-RA4	0019	19	STD	0.27	0.008	0.515
5S-0019-RA5	0019	19	STD	0.29	0.008	0.522
5S-0022-RA1	0022	22	STD	0.28	0.008	0.524
5S-0022-RA2	0022	22	STD	0.24	0.007	0.523
5S-0022-RA3	0022	22	STD	0.27	0.008	0.520
5S-0022-RA4	0022	22	STD	0.27	0.008	0.512
5S-0022-RA5	0022	22	STD	0.26	0.008	0.522
5S-0023-RA1	0023	23	STD	0.26	0.008	0.526
5S-0023-RA2	0023	23	STD	0.25	0.007	0.512
5S-0023-RA3	0023	23	STD	0.26	0.008	0.523
5S-0023-RA4	0023	23	STD	0.27	0.008	0.518
5S-0023-RA5	0023	23	STD	0.27	0.008	0.526
5S-0023-RA6	0023	23	STD	0.27	0.008	0.524
5S-0025-RA1	0025	25	STD	0.25	0.007	0.525
5S-0025-RA2	0025	25	STD	0.25	0.007	0.528
5S-0025-RA3	0025	25	STD	0.26	0.008	0.524
5S-0025-RA4	0025	25	STD	0.27	0.008	0.522
5S-0027-RA1	0027	27	STD	0.26	0.008	0.513
5S-0027-RA2	0027	27	STD	0.25	0.007	0.526
5S-0027-RA3	0027	27	STD	0.25	0.007	0.528
5S-0027-RA4	0027	27	STD	0.26	0.008	0.517
5S-0027-RA5	0027	27	STD	0.27	0.008	0.519
5S-0027-RA6	0027	27	STD	0.26	0.008	0.518
5S-0029-RA1	0029	29	STD	0.26	0.008	0.513
5S-0029-RA2	0029	29	STD	0.26	0.008	0.524
5S-0029-RA3	0029	29	STD	0.27	0.008	0.523
5S-0029-RA4	0029	29	STD	0.26	0.008	0.525
5S-0029-RA5	0029	29	STD	0.27	0.008	0.526
5S-0029-RA6	0029	29	STD	0.27	0.008	0.516
5S-0030-RA1	0030	30	STD	0.26	0.008	0.522
5S-0030-RA2	0030	30	STD	0.25	0.007	0.520
5S-0030-RA3	0030	30	STD	0.26	0.008	0.523
5S-0030-RA4	0030	30	STD	0.25	0.007	0.522
5S-0030-RA5	0030	30	STD	0.26	0.008	0.523
5S-0031-RA1	0031	31	STD	0.26	0.008	0.518
5S-0031-RA2	0031	31	STD	0.24	0.007	0.521
5S-0031-RA3	0031	31	STD	0.25	0.007	0.512
5S-0031-RA4	0031	31	STD	0.26	0.008	0.526
5S-0031-RA5	0031	31	STD	0.24	0.007	0.523
5S-0031-RA6	0031	31	STD	0.25	0.007	0.522
5S-0031-RA7	0031	31	STD	0.26	0.008	0.519
5S-0034-RA1	0034	34	STD	0.26	0.008	0.516
5S-0034-RA2	0034	34	STD	0.25	0.007	0.522
5S-0034-RA3	0034	34	STD	0.27	0.008	0.519
5S-0034-RA4	0034	34	STD	0.25	0.007	0.521
5S-0034-RA5	0034	34	STD	0.26	0.008	0.519
5S-0034-RA6	0034	34	STD	0.27	0.008	0.523
5S-0035-RA1	0035	35	STD	0.26	0.008	0.520
5S-0035-RA2	0035	35	STD	0.26	0.008	0.520
5S-0035-RA3	0035	35	STD	0.25	0.007	0.521

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0035-RA4	0035	35	STD	0.27	0.008	0.517
5S-0035-RA5	0035	35	STD	0.28	0.008	0.520
5S-0037-RA1	0037	37	STD	0.25	0.007	0.522
5S-0037-RA2	0037	37	STD	0.27	0.008	0.519
5S-0037-RA3	0037	37	STD	0.26	0.008	0.514
5S-0037-RA4	0037	37	STD	0.26	0.008	0.519
5S-0037-RA5	0037	37	STD	0.27	0.008	0.522
5S-0038-RA1	0038	38	STD	0.26	0.008	0.520
5S-0038-RA2	0038	38	STD	0.27	0.008	0.522
5S-0038-RA3	0038	38	STD	0.27	0.008	0.523
5S-0038-RA4	0038	38	STD	0.26	0.008	0.520
5S-0038-RA5	0038	38	STD	0.28	0.008	0.522
5S-0038-RA6	0038	38	STD	0.26	0.008	0.522
5S-0038-RA7	0038	38	STD	0.27	0.008	0.518
5S-0038-RA8	0038	38	STD	0.28	0.008	0.521
5S-0039-RA1	0039	39	STD	0.27	0.008	0.520
5S-0039-RA2	0039	39	STD	0.26	0.008	0.523
5S-0039-RA3	0039	39	STD	0.25	0.007	0.521
5S-0039-RA4	0039	39	STD	0.26	0.008	0.519
5S-0039-RA5	0039	39	STD	0.25	0.007	0.522
5S-0043-RA1	0043	43	STD	0.24	0.007	0.524
5S-0043-RA2	0043	43	STD	0.25	0.007	0.522
5S-0043-RA3	0043	43	STD	0.25	0.007	0.523
5S-0043-RA4	0043	43	STD	0.24	0.007	0.520
5S-0043-RA5	0043	43	STD	0.25	0.007	0.520
5S-0043-RA6	0043	43	STD	0.24	0.007	0.518
5S-0043-RA7	0043	43	STD	0.27	0.008	0.523
5S-0043-RA8	0043	43	STD	0.25	0.007	0.524
5S-0044-RA1	0044	44	STD	0.24	0.007	0.521
5S-0044-RA2	0044	44	STD	0.24	0.007	0.518
5S-0044-RA3	0044	44	STD	0.26	0.008	0.513
5S-0044-RA4	0044	44	STD	0.24	0.007	0.518
5S-0044-RA5	0044	44	STD	0.25	0.007	0.522
5S-0044-RA6	0044	44	STD	0.24	0.007	0.520
5S-0047-RA1	0047	47	STD	0.24	0.007	0.522
5S-0047-RA2	0047	47	STD	0.26	0.008	0.520
5S-0047-RA3	0047	47	STD	0.24	0.007	0.522
5S-0047-RA4	0047	47	STD	0.26	0.008	0.523
5S-0047-RA5	0047	47	STD	0.24	0.007	0.520
5S-0047-RA6	0047	47	STD	0.25	0.007	0.524
5S-0048-RA1	0048	48	STD	0.26	0.008	0.523
5S-0048-RA2	0048	48	STD	0.24	0.007	0.524
5S-0048-RA3	0048	48	STD	0.27	0.008	0.521
5S-0048-RA4	0048	48	STD	0.26	0.008	0.521
5S-0048-RA5	0048	48	STD	0.24	0.007	0.523
5S-0061-RA1	0061	61	STD	0.27	0.008	0.521
5S-0061-RA2	0061	61	STD	0.27	0.008	0.522
5S-0061-RA3	0061	61	STD	0.27	0.008	0.518
5S-0061-RA4	0061	61	STD	0.25	0.007	0.521
5S-0061-RA5	0061	61	STD	0.26	0.008	0.522
5S-0062-RA1	0062	62	STD	0.26	0.008	0.512
5S-0062-RA2	0062	62	STD	0.26	0.008	0.520
5S-0062-RA3	0062	62	STD	0.26	0.008	0.514
5S-0062-RA4	0062	62	STD	0.25	0.007	0.522
5S-0062-RA5	0062	62	STD	0.27	0.008	0.519
5S-0062-RA6	0062	62	STD	0.25	0.007	0.520
5S-0065-RA1	0065	65	STD	0.25	0.007	0.515
5S-0065-RA2	0065	65	STD	0.26	0.008	0.520
5S-0065-RA3	0065	65	STD	0.26	0.008	0.519
5S-0065-RA4	0065	65	STD	0.27	0.008	0.516

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0065-RA5	0065	65	STD	0.26	0.008	0.521
5S-0065-RA6	0065	65	STD	0.27	0.008	0.519
5S-0065-RA7	0065	65	STD	0.26	0.008	0.522
5S-0066-RA1	0066	66	STD	0.26	0.008	0.514
5S-0066-RA2	0066	66	STD	0.25	0.007	0.518
5S-0066-RA3	0066	66	STD	0.25	0.007	0.520
5S-0066-RA4	0066	66	STD	0.26	0.008	0.516
5S-0068-RA1	0068	68	STD	0.25	0.007	0.522
5S-0068-RA2	0068	68	STD	0.27	0.008	0.518
5S-0068-RA3	0068	68	STD	0.25	0.007	0.519
5S-0068-RA4	0068	68	STD	0.24	0.007	0.514
5S-0069-RA1	0069	69	STD	0.26	0.008	0.520
5S-0069-RA2	0069	69	STD	0.26	0.008	0.519
5S-0069-RA3	0069	69	STD	0.25	0.007	0.516
5S-0069-RA4	0069	69	STD	0.26	0.008	0.524
5S-0070-RA1	0070	70	STD	0.25	0.007	0.521
5S-0070-RA2	0070	70	STD	0.26	0.008	0.520
5S-0070-RA3	0070	70	STD	0.26	0.008	0.523
5S-0070-RA4	0070	70	STD	0.25	0.007	0.519
5S-0070-RA5	0070	70	STD	0.26	0.008	0.520
5S-0074-RA1	0074	74	STD	0.25	0.007	0.520
5S-0074-RA2	0074	74	STD	0.26	0.008	0.523
5S-0074-RA3	0074	74	STD	0.27	0.008	0.522
5S-0074-RA4	0074	74	STD	0.25	0.007	0.524
5S-0074-RA5	0074	74	STD	0.26	0.008	0.520
5S-0074-RA6	0074	74	STD	0.26	0.008	0.522
5S-0076-RA1	0076	76	STD	0.26	0.008	0.519
5S-0076-RA2	0076	76	STD	0.25	0.007	0.521
5S-0076-RA3	0076	76	STD	0.26	0.008	0.519
5S-0076-RA4	0076	76	STD	0.26	0.008	0.520
5S-0076-RA5	0076	76	STD	0.25	0.007	0.522
5S-0076-RA6	0076	76	STD	0.26	0.008	0.518
5S-0089-RA1	0089	89	STD	0.27	0.008	0.516
5S-0089-RA2	0089	89	STD	0.26	0.008	0.520
5S-0092-RA1	0092	92	STD	0.26	0.008	0.518
5S-0092-RA2	0092	92	STD	0.26	0.008	0.516
5S-0092-RA3	0092	92	STD	0.25	0.007	0.520
5S-0092-RA4	0092	92	STD	0.25	0.007	0.523
5S-0092-RA5	0092	92	STD	0.25	0.007	0.522
5S-0092-RA6	0092	92	STD	0.26	0.008	0.522
5S-0092-RA7	0092	92	STD	0.26	0.008	0.520
5S-0092-RA8	0092	92	STD	0.25	0.007	0.524
5S-0092-RA9	0092	92	STD	0.26	0.008	0.521
5S-0093-RA1	0093	93	STD	0.26	0.008	0.519
5S-0102-RA1	0102	102	STD	0.26	0.008	0.522
5S-0102-RA2	0102	102	STD	0.25	0.007	0.523
5S-0103-RA1	0103	103	STD	0.25	0.007	0.516
5S-0103-RA2	0103	103	STD	0.26	0.008	0.521
5S-0103-RA3	0103	103	STD	0.27	0.008	0.523
5S-0103-RA4	0103	103	STD	0.26	0.008	0.520
5S-0103-RA5	0103	103	STD	0.26	0.008	0.521
5S-0109-RA1	0109	109	STD	0.26	0.008	0.512
5S-0109-RA2	0109	109	STD	0.25	0.007	0.518
5S-0109-RA3	0109	109	STD	0.26	0.008	0.517
5S-0109-RA4	0109	109	STD	0.26	0.008	0.522
5S-0110-RA1	0110	110	STD	0.25	0.007	0.521
5S-0110-RA2	0110	110	STD	0.27	0.008	0.510
5S-0110-RA3	0110	110	STD	0.26	0.008	0.514
5S-0110-RA4	0110	110	STD	0.26	0.008	0.520
5S-0110-RA5	0110	110	STD	0.25	0.007	0.519

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0116-RA1	0116	116	STD	0.25	0.007	0.515
5S-0116-RA2	0116	116	STD	0.26	0.008	0.519
5S-0116-RA3	0116	116	STD	0.25	0.007	0.521
5S-0116-RA4	0116	116	STD	0.26	0.008	0.518
5S-0116-RA5	0116	116	STD	0.26	0.008	0.510
5S-0117-RA1	0117	117	STD	0.26	0.008	0.520
5S-0117-RA2	0117	117	STD	0.25	0.007	0.516
5S-0117-RA3	0117	117	STD	0.27	0.008	0.516
5S-0117-RA4	0117	117	STD	0.26	0.008	0.517
5S-0117-RA5	0117	117	STD	0.26	0.008	0.515
5S-0119-RA1	0119	119	STD	0.26	0.008	0.514
5S-0119-RA2	0119	119	STD	0.26	0.008	0.522
5S-0119-RA3	0119	119	STD	0.28	0.008	0.519
5S-0119-RA4	0119	119	STD	0.25	0.007	0.520
5S-0119-RA5	0119	119	STD	0.25	0.007	0.522
5S-0120-RA1	0120	120	STD	0.25	0.007	0.519
5S-0120-RA2	0120	120	STD	0.26	0.008	0.516
5S-0120-RA3	0120	120	STD	0.26	0.008	0.518
5S-0120-RA4	0120	120	STD	0.26	0.008	0.524
5S-0120-RA5	0120	120	STD	0.25	0.007	0.518
5S-0120-RA6	0120	120	STD	0.27	0.008	0.523
5S-0121-RA1	0121	121	STD	0.27	0.008	0.519
5S-0121-RA2	0121	121	STD	0.26	0.008	0.520
5S-0121-RA3	0121	121	STD	0.25	0.007	0.518
5S-0121-RA4	0121	121	STD	0.26	0.008	0.510
5S-0121-RA5	0121	121	STD	0.25	0.007	0.520
5S-0130-RA1	0130	130	STD	0.25	0.007	0.517
5S-0130-RA2	0130	130	STD	0.26	0.008	0.522
5S-0130-RA3	0130	130	STD	0.26	0.008	0.515
5S-0130-RA4	0130	130	STD	0.26	0.008	0.521
5S-0130-RA5	0130	130	STD	0.25	0.007	0.523
5S-0133-RA1	0133	133	STD	0.26	0.008	0.522
5S-0133-RA2	0133	133	STD	0.26	0.008	0.519
5S-0133-RA3	0133	133	STD	0.26	0.008	0.510
5S-0134-RA1	0134	134	STD	0.25	0.007	0.520
5S-0134-RA2	0134	134	STD	0.26	0.008	0.519
5S-0134-RA3	0134	134	STD	0.26	0.008	0.521
5S-0134-RA4	0134	134	STD	0.26	0.008	0.518
5S-0134-RA5	0134	134	STD	0.25	0.007	0.520
5S-0134-RA6	0134	134	STD	0.25	0.007	0.516
5S-0135-RA1	0135	135	STD	0.26	0.008	0.519
5S-0135-RA2	0135	135	STD	0.26	0.008	0.521
5S-0135-RA3	0135	135	STD	0.25	0.007	0.523
5S-0135-RA4	0135	135	STD	0.26	0.008	0.522
5S-0135-RA5	0135	135	STD	0.26	0.008	0.518
5S-0138-RA1	0138	138	STD	0.25	0.007	0.523
5S-0138-RA2	0138	138	STD	0.26	0.008	0.522
5S-0138-RA3	0138	138	STD	0.26	0.008	0.523
5S-0138-RA4	0138	138	STD	0.26	0.008	0.522
5S-0139-RA1	0139	139	STD	0.26	0.008	0.520
5S-0139-RA2	0139	139	STD	0.25	0.007	0.519
5S-0139-RA3	0139	139	STD	0.26	0.008	0.514
5S-0139-RA4	0139	139	STD	0.26	0.008	0.518
5S-0139-RA5	0139	139	STD	0.26	0.008	0.518
5S-0140-RA1	0140	140	STD	0.26	0.008	0.516
5S-0140-RA2	0140	140	STD	0.25	0.007	0.520
5S-0140-RA3	0140	140	STD	0.26	0.008	0.522
5S-0140-RA4	0140	140	STD	0.26	0.008	0.519
5S-0140-RA5	0140	140	STD	0.26	0.008	0.521
5S-0140-RA6	0140	140	STD	0.25	0.007	0.520

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0141-RA1	0141	141	STD	0.26	0.008	0.517
5S-0141-RA2	0141	141	STD	0.25	0.007	0.522
5S-0141-RA3	0141	141	STD	0.26	0.008	0.519
5S-0141-RA4	0141	141	STD	0.24	0.007	0.516
5S-0141-RA5	0141	141	STD	0.26	0.008	0.516
5S-0144-RA1	0144	144	STD	0.26	0.008	0.518
5S-0144-RA2	0144	144	STD	0.25	0.007	0.524
5S-0144-RA3	0144	144	STD	0.26	0.008	0.520
5S-0144-RA4	0144	144	STD	0.25	0.007	0.521
5S-0146-RA1	0146	146	STD	0.26	0.008	0.518
5S-0146-RA2	0146	146	STD	0.25	0.007	0.513
5S-0146-RA3	0146	146	STD	0.25	0.007	0.519
5S-0146-RA4	0146	146	STD	0.25	0.007	0.519
5S-0146-RA5	0146	146	STD	0.26	0.008	0.516
5S-0146-RA6	0146	146	STD	0.26	0.008	0.520
5S-0147-RA1	0147	147	STD	0.26	0.008	0.512
5S-0147-RA2	0147	147	STD	0.25	0.007	0.518
5S-0147-RA3	0147	147	STD	0.25	0.007	0.517
5S-0147-RA4	0147	147	STD	0.25	0.007	0.520
5S-0150-RA1	0150	150	STD	0.25	0.007	0.523
5S-0150-RA2	0150	150	STD	0.24	0.007	0.518
5S-0150-RA3	0150	150	STD	0.26	0.008	0.522
5S-0150-RA4	0150	150	STD	0.26	0.008	0.520
5S-0151-RA1	0151	151	STD	0.26	0.008	0.520
5S-0151-RA2	0151	151	STD	0.25	0.007	0.516
5S-0151-RA3	0151	151	STD	0.25	0.007	0.521
5S-0151-RA4	0151	151	STD	0.26	0.008	0.522
5S-0156-RA1	0156	156	STD	0.25	0.007	0.519
5S-0156-RA2	0156	156	STD	0.26	0.008	0.522
5S-0157-RA1	0157	157	STD	0.25	0.007	0.515
5S-0157-RA2	0157	157	STD	0.25	0.007	0.515
5S-0157-RA3	0157	157	STD	0.27	0.008	0.510
5S-0157-RA4	0157	157	STD	0.26	0.008	0.518
5S-0157-RA5	0157	157	STD	0.26	0.008	0.519
5S-0158-RA1	0158	158	STD	0.25	0.007	0.514
5S-0158-RA2	0158	158	STD	0.26	0.008	0.513
5S-0158-RA3	0158	158	STD	0.25	0.007	0.507
5S-0160-RA1	0160	160	STD	0.26	0.008	0.517
5S-0160-RA2	0160	160	STD	0.25	0.007	0.510
5S-0160-RA3	0160	160	STD	0.26	0.008	0.518
5S-0160-RA4	0160	160	STD	0.26	0.008	0.522
5S-0160-RA5	0160	160	STD	0.26	0.008	0.514
5S-0161-RA1	0161	161	STD	0.26	0.008	0.523
5S-0161-RA2	0161	161	STD	0.26	0.008	0.520
5S-0161-RA3	0161	161	STD	0.25	0.007	0.522
5S-0161-RA4	0161	161	STD	0.25	0.007	0.524
5S-0161-RA5	0161	161	STD	0.25	0.007	0.517
5S-0165-RA1	0165	165	STD	0.26	0.008	0.521
5S-0165-RA2	0165	165	STD	0.26	0.008	0.519
5S-0165-RA3	0165	165	STD	0.26	0.008	0.521
5S-0165-RA4	0165	165	STD	0.26	0.008	0.519
5S-0165-RA5	0165	165	STD	0.25	0.007	0.522
5S-0165-RA6	0165	165	STD	0.26	0.008	0.514
5S-0165-RA7	0165	165	STD	0.25	0.007	0.513
5S-0166-RA1	0166	166	STD	0.26	0.008	0.524
5S-0166-RA2	0166	166	STD	0.26	0.008	0.520
5S-0166-RA3	0166	166	STD	0.26	0.008	0.521
5S-0166-RA4	0166	166	STD	0.25	0.007	0.516
5S-0167-RA1	0167	167	STD	0.26	0.008	0.519
5S-0167-RA2	0167	167	STD	0.25	0.007	0.518

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0167-RA3	0167	167	STD	0.25	0.007	0.513
5S-0167-RA4	0167	167	STD	0.25	0.007	0.512
5S-0167-RA5	0167	167	STD	0.26	0.008	0.514
5S-0169-RA1	0169	169	STD	0.25	0.007	0.522
5S-0169-RA2	0169	169	STD	0.26	0.008	0.512
5S-0169-RA3	0169	169	STD	0.25	0.007	0.512
5S-0169-RA4	0169	169	STD	0.25	0.007	0.521
5S-0170-RA1	0170	170	STD	0.26	0.008	0.510
5S-0170-RA2	0170	170	STD	0.25	0.007	0.520
5S-0170-RA3	0170	170	STD	0.25	0.007	0.516
5S-0170-RA4	0170	170	STD	0.26	0.008	0.510
5S-0171-RA1	0171	171	STD	0.25	0.007	0.517
5S-0171-RA2	0171	171	STD	0.25	0.007	0.520
5S-0171-RA3	0171	171	STD	0.26	0.008	0.515
5S-0173-RA1	0173	173	STD	0.26	0.008	0.519
5S-0173-RA2	0173	173	STD	0.25	0.007	0.510
5S-0173-RA3	0173	173	STD	0.26	0.008	0.522
5S-0173-RA4	0173	173	STD	0.26	0.008	0.521
5S-0173-RA5	0173	173	STD	0.25	0.007	0.515
5S-0173-RA6	0173	173	STD	0.25	0.007	0.518
5S-0174-RA1	0174	174	STD	0.25	0.007	0.514
5S-0174-RA2	0174	174	STD	0.26	0.008	0.510
5S-0174-RA3	0174	174	STD	0.25	0.007	0.514
5S-0174-RA4	0174	174	STD	0.26	0.008	0.521
5S-0177-RA1	0177	177	STD	0.25	0.007	0.520
5S-0177-RA2	0177	177	STD	0.26	0.008	0.522
5S-0177-RA3	0177	177	STD	0.25	0.007	0.520
5S-0177-RA4	0177	177	STD	0.26	0.008	0.519
5S-0178-RA1	0178	178	STD	0.25	0.007	0.514
5S-0178-RA2	0178	178	STD	0.26	0.008	0.518
5S-0178-RA3	0178	178	STD	0.26	0.008	0.510
5S-0178-RA4	0178	178	STD	0.26	0.008	0.521
5S-0179-RA1	0179	179	STD	0.25	0.007	0.522
5S-0179-RA2	0179	179	STD	0.26	0.008	0.519
5S-0182-RA1	0182	182	STD	0.25	0.007	0.522
5S-0182-RA2	0182	182	STD	0.26	0.008	0.523
5S-0182-RA3	0182	182	STD	0.25	0.007	0.516
5S-0182-RA4	0182	182	STD	0.25	0.007	0.514
5S-0182-RA5	0182	182	STD	0.25	0.007	0.521
5S-0183-RA1	0183	183	STD	0.25	0.007	0.522
5S-0183-RA2	0183	183	STD	0.25	0.007	0.524
5S-0186-RA1	0186	186	STD	0.26	0.008	0.518
5S-0186-RA2	0186	186	STD	0.25	0.007	0.514
5S-0186-RA3	0186	186	STD	0.25	0.007	0.523
5S-0187-RA1	0187	187	STD	0.26	0.008	0.520
5S-0187-RA2	0187	187	STD	0.25	0.007	0.521
5S-0188-RA1	0188	188	STD	0.25	0.007	0.517
5S-0188-RA2	0188	188	STD	0.26	0.008	0.520
5S-0188-RA3	0188	188	STD	0.25	0.007	0.512
5S-0188-RA4	0188	188	STD	0.25	0.007	0.519
5S-0188-RA5	0188	188	STD	0.26	0.008	0.520
5S-0188-RA6	0188	188	STD	0.26	0.008	0.519
5S-0188-RA7	0188	188	STD	0.25	0.007	0.512
5S-0189-RA1	0189	189	STD	0.26	0.008	0.513
5S-0189-RA2	0189	189	STD	0.25	0.007	0.516
5S-0189-RA3	0189	189	STD	0.26	0.008	0.512
5S-0190-RA1	0190	190	STD	0.25	0.007	0.515
5S-0190-RA2	0190	190	STD	0.25	0.007	0.518
5S-0190-RA3	0190	190	STD	0.26	0.008	0.514
5S-0190-RA4	0190	190	STD	0.27	0.008	0.518

Certificate Number	WORK ORDER	WORK ORDER * 1000	Sample Name	Au-Fire g/tonne	Au-Fire oz/ton	Cu %
5S-0190-RA5	0190	190	STD	0.26	0.008	0.514
5S-0192-RA1	0192	192	STD	0.26	0.008	0.520
5S-0192-RA2	0192	192	STD	0.25	0.007	0.516
5S-0192-RA3	0192	192	STD	0.25	0.007	0.523
5S-0193-RA1	0193	193	STD	0.27	0.008	0.518
5S-0194-RA1	0194	194	STD	0.26	0.008	0.522
5S-0194-RA2	0194	194	STD	0.26	0.008	0.520
5S-0194-RA3	0194	194	STD	0.26	0.008	0.520
5S-0194-RA4	0194	194	STD	0.25	0.007	0.518
5S-0194-RA5	0194	194	STD	0.26	0.008	0.520
5S-0194-RA6	0194	194	STD	0.25	0.007	0.515
5S-0194-RA7	0194	194	STD	0.27	0.008	0.518
5S-0197-RA1	0197	197	STD	0.26	0.008	0.521
5S-0197-RA2	0197	197	STD	0.25	0.007	0.510
5S-0197-RA3	0197	197	STD	0.25	0.007	0.516
5S-0197-RA4	0197	197	STD	0.25	0.007	0.522
5S-0197-RA5	0197	197	STD	0.27	0.008	0.520
5S-0198-RA1	0198	198	STD	0.26	0.008	0.516
5S-0198-RA2	0198	198	STD	0.25	0.007	0.513
5S-0198-RA3	0198	198	STD	0.26	0.008	0.518
5S-0198-RA4	0198	198	STD	0.25	0.007	0.512
5S-0199-RA1	0199	199	STD	0.26	0.008	0.523
5S-0199-RA2	0199	199	STD	0.26	0.008	0.521
5S-0199-RA3	0199	199	STD	0.25	0.007	0.520
5S-0199-RA4	0199	199	STD	0.26	0.008	0.523
5S-0199-RA5	0199	199	STD	0.25	0.007	0.522
5S-0200-RA1	0200	200	STD	0.26	0.008	0.520
5S-0200-RA2	0200	200	STD	0.25	0.007	0.521
5S-0200-RA3	0200	200	STD	0.27	0.008	0.520
5S-0200-RA4	0200	200	STD	0.26	0.008	0.523
5S-0200-RA5	0200	200	STD	0.25	0.007	0.520
1995	MEAN			0.259		0.519
	STD DEV			0.009		0.004
	MEAN+2SD			0.276		0.527
	MEAN-2SD			0.241		0.512

APPENDIX 2

Geochemical Duplicate Analysis Listings

GEOCHEMICAL DUPLICATES, CHEMEX vs MIN-EN

SAMPLE DESCRIPTION	ppb CXAU	ppb MEAU	ppm CXCU	ppm MECU
92381	85	80	660	610
92401	35	45	152	154
92421	190	180	250	238
92441	30	40	215	189
92461	55	65	280	267
92481	90	90	540	478
92681	20	20	115	114
92701	45	45	250	226
92721	55	65	580	561
92741	85	95	1100	996
92761	75	70	970	818
97661	2.5	15	80	62
92901	2.5	15	112	105
92921	2.5	15	93	81
92941	2.5	15	28	28
92961	45	40	190	178
92981	15	20	110	102
98241	80	90	270	254
98361	50	55	240	214
99321	20	25	42	39
99441	80	70	1050	983
94741	2.5	10	42	42
94761	2.5	5	24	27
94781	890	750	550	485
94801	2.5	10	133	128
94822	2.5	5	110	105
94841	20	35	88	87
99601	140	130	46	43
99661	40	45	300	282
99681	60	65	200	201
99701	5	20	48	46
99721	35	40	93	80
99741	65	65	215	208
99761	70	70	172	138
99781	80	75	320	297
99801	95	95	600	559
99841	10	20	305	294
99861	25	30	250	213
99881	5	20	105	97
99901	45	55	87	77
99921	2.5	15	69	65
95081	2.5	5	71	70
95101	2.5	10	92	81
95121	35	30	61	55
47001	2.5	10	47	50
47021	2.5	15	27	29
47041	2.5	15	73	75
47061	485	435	1800	1660
47081	55	50	128	123
47101	25	40	66	68
47261	15	35	25	23
47281	20	35	128	112
47301	40	50	335	328
47341	10	20	111	107

GEOCHEMICAL DUPLICATES, CHEMEX vs MIN-EN

SAMPLE DESCRIPTION	ppb CXAU	ppb MEAU	ppm CXCU	ppm MECU
47401	2.5	30	480	469
47421	50	55	300	308
47441	130	120	750	736
47461	110	115	1200	1120
47481	95	105	880	830
47501	60	75	370	345
47661	55	55	165	157
47681	15	20	62	54
47701	30	40	410	367
47801	45	65	240	216
46741	50	50	115	103
46761	2.5	5	52	53
28101	2.5	5	30	32
28121	2.5	25	121	110
46781	2.5	10	90	88
46801	2.5	15	48	52
46821	2.5	10	52	47
46841	2.5	15	44	43
46901	150	125	1200	1170
46921	25	20	48	52
46941	5	15	48	50
46961	2.5	5	48	50
31041	2.5	15	1000	922
31061	2.5	35	1100	1110
31081	135	115	1600	1560
31121	2.5	15	194	188
31141	2.5	5	340	332
31381	2.5	5	29	29
31401	160	140	1200	1100
28721	60	65	280	278
28741	20	35	640	528
28761	85	50	360	339
MEAN	54.36	57.27	320.28	299.88
STD. DEV.	110.92	93.45	382.56	358.83
% DIFF.		**5.35**		**-6.37**

APPENDIX 3

Listings of Duplicate Assay Analysis

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
28001	0.03	0.01	0.050	0.053
28021	0.06	0.08	0.150	0.154
28041	0.06	0.08	0.200	0.204
28061	0.21	0.21	0.350	0.362
28081	0.21	0.15	0.130	0.127
28141	0.15	0.12	0.190	0.199
28161	0.06	0.03	0.030	0.031
28181	0.03	0.06	0.070	0.078
28201	0.03	0.04	0.050	0.053
28221	0.45	0.42	0.370	0.380
28241	0.09	0.15	0.100	0.103
28261	0.09	0.10	0.070	0.070
28281	0.21	0.23	0.250	0.265
28301	0.06	0.03	0.010	0.017
28321	0.06	0.08	0.140	0.140
28341	0.15	0.14	0.230	0.231
28361	0.01	0.01	0.010	0.007
28381	0.15	0.15	0.370	0.378
28401	0.15	0.14	0.470	0.468
28421	0.06	0.09	0.240	0.250
28441	0.27	0.29	0.530	0.544
28461	0.06	0.06	0.230	0.245
28481	0.06	0.07	0.200	0.196
28501	0.01	0.01	0.090	0.095
28521	0.09	0.11	0.320	0.328
28541	0.15	0.16	0.260	0.263
28561	0.18	0.17	0.490	0.512
28581	0.06	0.10	0.330	0.344
28601	0.24	0.31	0.780	0.786
28621	0.21	0.31	0.440	0.452
28641	0.06	0.13	0.220	0.230
28661	0.15	0.21	0.310	0.317
28681	0.18	0.24	0.400	0.421
28701	0.21	0.29	0.380	0.401
28781	0.01	0.02	0.010	0.009
28801	0.75	0.79	0.650	0.650
28821	0.42	0.41	0.360	0.359
28841	0.15	0.14	0.160	0.169
28861	0.06	0.07	0.080	0.091
31001	0.03	0.01	0.050	0.058
31021	0.01	0.02	0.090	0.095
31101	0.06	0.06	0.340	0.349
31161	0.01	0.02	0.110	0.119
31181	0.01	0.06	0.090	0.103
31201	0.27	0.31	0.470	0.485
31221	0.06	0.05	0.240	0.248
31241	0.09	0.12	0.200	0.209
31261	0.15	0.17	0.260	0.270
31281	0.06	0.04	0.090	0.095
31301	0.01	0.02	0.060	0.070
31321	0.48	0.43	1.180	1.192
31341	0.27	0.25	0.500	0.512
31361	0.21	0.19	0.580	0.578
31421	0.75	0.86	0.940	0.962
31441	0.51	0.59	0.560	0.584
31461	0.18	0.19	0.360	0.371

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
31481	0.06	0.12	0.020	0.019
31501	0.09	0.09	0.250	0.265
31521	0.45	0.49	0.410	0.435
31541	0.45	0.46	0.350	0.365
31561	0.21	0.27	0.310	0.312
31581	0.09	0.15	0.210	0.221
31601	0.03	0.07	0.230	0.234
45001	0.01	0.01	0.020	0.021
45021	0.01	0.07	<.01	0.005
45041	0.01	0.05	0.020	0.024
45061	0.01	0.10	0.080	0.074
45081	0.03	0.13	0.090	0.093
45101	0.01	0.05	0.010	0.005
45121	0.01	0.05	0.010	0.012
45141	0.01	0.05	0.010	0.008
45161	0.01	0.01	0.010	0.009
45181	0.01	0.06	0.160	0.156
45201	0.09	0.13	0.030	0.028
45221	0.01	0.08	0.020	0.023
45241	0.39	0.43	0.190	0.182
45261	0.33	0.37	0.170	0.166
45281	0.27	0.32	0.180	0.174
45301	0.15	0.23	0.180	0.180
45321	0.01	0.10	0.070	0.076
45341	0.01	0.02	<.01	0.008
45361	0.01	0.02	<.01	0.007
45381	0.01	0.08	<.01	0.006
45401	0.15	0.18	0.090	0.042
45421	0.06	0.12	0.020	0.022
45441	0.03	0.08	0.030	0.035
45461	0.96	0.97	0.460	0.454
45481	1.05	1.01	0.450	0.446
45501	0.54	0.51	0.220	0.220
45521	0.03	0.05	0.010	0.010
45541	0.15	0.12	0.050	0.053
45561	0.09	0.14	0.060	0.061
45581	0.01	0.06	0.010	0.007
45601	0.01	0.05	0.030	0.033
45621	0.54	0.56	0.170	0.164
45641	0.51	0.51	0.120	0.119
45661	0.48	0.55	0.160	0.158
45681	0.18	0.21	0.010	0.010
45701	0.06	0.13	0.050	0.051
45721	0.01	0.06	0.030	0.030
45741	0.01	0.05	<.01	0.003
45761	0.01	0.05	0.020	0.026
45781	0.01	0.01	0.010	0.006
45801	0.01	0.08	0.110	0.114
45821	0.15	0.14	0.140	0.135
45841	0.06	0.10	0.070	0.070
45861	0.01	0.08	0.090	0.093
45881	0.01	0.03	<.01	0.006
45901	0.01	0.11	0.010	0.008
45921	0.01	0.01	<.01	0.005
45941	0.01	0.12	0.020	0.027
45961	0.01	0.01	<.01	0.003

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
45981	0.06	0.13	0.120	0.122
46001	0.21	0.25	0.280	0.295
46021	1.50	1.39	0.840	0.895
46041	0.06	0.14	0.080	0.083
46061	0.45	0.49	0.640	0.640
46081	0.06	0.06	0.010	0.010
46101	0.57	0.63	0.800	0.817
46121	0.18	0.14	0.080	0.091
46141	0.06	0.06	0.030	0.036
46161	0.24	0.25	0.060	0.064
46181	0.06	0.07	0.100	0.109
46201	0.06	0.10	0.230	0.241
46221	0.27	0.28	0.410	0.411
46241	0.09	0.13	0.380	0.400
46261	0.15	0.19	0.200	0.203
46281	0.01	0.03	0.040	0.041
46301	0.21	0.19	0.190	0.189
46321	0.33	0.38	0.320	0.331
46341	0.09	0.09	0.290	0.303
46361	0.06	0.06	0.160	0.153
46381	0.30	0.35	0.270	0.273
46401	0.33	0.40	0.240	0.238
46421	0.30	0.34	0.120	0.127
46441	0.42	0.44	0.560	0.558
46461	0.03	0.02	<.01	0.006
46481	0.18	0.18	0.070	0.073
46501	0.24	0.25	0.270	0.273
46521	0.45	0.37	0.320	0.336
46541	0.15	0.15	0.260	0.272
46561	0.57	0.60	0.570	0.604
46581	0.24	0.22	0.390	0.395
46601	0.09	0.14	0.380	0.396
46621	0.21	0.23	0.260	0.257
46641	0.09	0.09	0.210	0.212
46661	0.03	0.03	<.01	0.005
46681	0.06	0.04	<.01	0.005
46701	0.30	0.30	0.340	0.338
46721	0.30	0.29	0.330	0.338
46861	0.24	0.25	0.210	0.220
46881	0.01	0.02	0.010	0.014
47121	0.01	0.02	0.130	0.137
47141	0.01	0.05	0.260	0.258
47161	0.01	0.11	0.260	0.262
47181	0.06	0.09	0.310	0.296
47201	0.24	0.28	0.420	0.402
47221	0.63	0.61	0.540	0.542
47241	0.03	0.04	0.010	0.017
47321	0.63	0.61	0.340	0.357
47361	0.45	0.54	0.400	0.383
47381	0.09	0.11	0.130	0.129
47521	0.01	0.04	0.070	0.070
47541	0.01	0.17	0.260	0.257
47561	0.09	0.17	0.510	0.534
47581	0.09	0.13	0.180	0.184
47601	0.03	0.09	0.100	0.101
47621	0.21	0.21	0.350	0.365

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
47641	0.24	0.22	0.230	0.230
47721	0.03	0.02	0.010	0.013
47741	0.01	0.03	0.020	0.018
47761	0.45	0.46	0.290	0.297
47781	0.48	0.43	0.560	0.564
47821	0.15	0.09	0.070	0.073
47841	0.09	0.10	0.130	0.131
47861	0.06	0.06	0.110	0.112
47881	0.15	0.11	0.160	0.166
47901	0.03	0.04	0.020	0.019
47921	0.06	0.08	0.080	0.086
47941	0.09	0.12	0.130	0.130
47961	0.06	0.09	0.120	0.123
92001	0.01	0.05	0.100	0.100
92021	0.18	0.24	0.220	0.230
92041	0.09	0.13	0.200	0.202
92061	0.01	0.06	0.100	0.097
92081	0.99	0.94	0.660	0.657
92101	0.93	0.86	0.790	0.859
92121	0.24	0.32	0.340	0.341
92141	0.09	0.12	0.140	0.145
92161	0.01	0.08	0.060	0.066
92181	0.01	0.02	<.01	0.005
92201	0.01	0.13	0.090	0.095
92221	0.01	0.12	0.060	0.069
92241	0.06	0.11	0.050	0.055
92261	0.01	0.09	0.070	0.074
92281	0.21	0.33	0.170	0.180
92301	0.01	0.04	0.140	0.152
92321	0.01	0.01	0.010	0.014
92341	0.01	0.02	<.01	0.005
92361	0.01	0.01	<.01	0.005
92501	0.01	0.07	0.060	0.065
92521	0.21	0.27	0.470	0.482
92541	0.06	0.08	0.130	0.126
92561	0.01	0.02	0.130	0.131
92581	0.27	0.30	0.350	0.368
92601	0.42	0.51	0.830	0.860
92621	0.24	0.32	0.340	0.350
92641	0.15	0.14	0.170	0.183
92661	1.29	1.05	0.930	0.975
92781	0.01	0.04	0.050	0.052
92801	0.06	0.10	0.170	0.176
92821	0.03	0.07	0.120	0.124
92841	0.42	0.46	0.570	0.572
92861	1.44	1.38	1.200	1.242
92881	0.09	0.14	0.160	0.162
93001	0.01	0.01	0.010	0.010
93021	0.06	0.05	0.120	0.114
93041	0.15	0.14	0.280	0.284
93061	0.09	0.09	0.190	0.192
93081	0.33	0.38	0.370	0.380
93101	0.01	0.01	<.01	0.002
93121	0.01	0.13	0.170	0.176
93141	0.01	0.01	0.010	0.029
93161	0.03	0.03	0.080	0.081

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
93181	0.21	0.09	0.230	0.234
93201	0.15	0.11	0.190	0.182
93221	0.09	0.09	0.190	0.185
93241	0.01	0.01	0.020	0.017
93261	0.09	0.13	0.220	0.219
93281	0.21	0.23	0.420	0.413
93301	0.27	0.28	0.110	0.104
93321	0.15	0.07	0.170	0.173
93341	0.09	0.09	0.210	0.211
93361	0.06	0.04	0.080	0.075
93381	0.06	0.09	0.230	0.220
93401	0.15	0.12	0.270	0.263
93421	0.06	0.06	0.010	0.011
93441	0.03	0.01	0.020	0.014
93461	0.06	0.10	0.110	0.108
93481	0.03	0.04	0.130	0.129
93501	0.01	0.04	0.120	0.113
93521	0.06	0.07	0.150	0.141
93541	0.18	0.15	0.350	0.345
93561	0.30	0.33	0.340	0.330
93581	0.01	0.02	<.01	0.006
93601	0.06	0.03	0.030	0.029
93621	0.01	0.03	0.010	0.009
93641	0.01	0.05	0.030	0.029
93661	0.01	0.04	0.050	0.053
93681	0.27	0.28	0.390	0.403
93701	0.06	0.08	0.150	0.154
93721	0.18	0.30	0.550	0.565
93741	0.15	0.19	0.360	0.368
93761	0.27	0.31	0.280	0.294
94141	0.06	0.13	<.01	0.005
94161	0.18	0.20	0.010	0.016
94181	0.01	0.03	0.020	0.021
94201	0.01	0.08	0.070	0.058
94221	0.01	0.10	0.060	0.051
94241	0.18	0.23	0.090	0.096
94261	0.01	0.04	0.040	0.042
94281	0.01	0.02	0.040	0.045
94301	0.01	0.03	0.040	0.032
94321	0.01	0.04	0.060	0.057
94341	0.01	0.05	0.120	0.120
94361	0.01	0.02	0.010	0.012
94381	0.18	0.21	0.260	0.271
94401	0.03	0.04	0.120	0.110
94421	0.01	0.02	0.080	0.078
94441	0.30	0.33	0.510	0.501
94461	0.09	0.13	0.280	0.276
94481	0.01	0.04	0.010	0.010
94501	0.01	0.06	0.050	0.054
94521	0.01	0.08	0.240	0.231
94541	0.01	0.02	0.070	0.075
94561	0.01	0.02	0.090	0.090
94581	0.01	0.02	0.010	0.009
94601	0.06	0.11	0.200	0.196
94621	0.01	0.06	0.140	0.140
94641	0.01	0.06	0.170	0.176

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
94661	0.06	0.12	0.220	0.222
94681	0.39	0.43	0.620	0.642
94701	0.27	0.31	0.670	0.675
94721	1.20	1.17	1.570	1.550
94861	0.01	0.01	0.010	0.013
94881	0.01	0.02	0.010	0.012
94901	0.01	0.07	0.030	0.026
94921	0.15	0.17	0.030	0.034
94941	0.01	0.09	0.040	0.039
94961	0.01	0.13	0.180	0.182
94981	0.15	0.27	0.420	0.429
95001	0.09	0.16	0.260	0.268
95021	0.24	0.31	0.630	0.660
95041	0.06	0.12	0.240	0.243
95061	0.24	0.36	0.100	0.102
95141	0.06	0.12	0.060	0.057
95161	0.01	0.03	0.010	0.012
95181	0.30	0.34	0.430	0.441
95201	0.09	0.14	0.090	0.103
95221	0.06	0.10	0.100	0.108
95241	0.01	0.05	0.010	0.010
95261	0.09	0.15	0.330	0.332
95281	0.01	0.01	0.010	0.006
95301	0.01	0.07	0.080	0.091
95321	0.09	0.12	0.180	0.184
95341	0.09	0.05	0.020	0.025
95361	0.01	0.01	<.01	0.002
95381	0.01	0.02	<.01	0.005
95401	0.01	0.04	0.010	0.011
95421	0.01	0.02	0.010	0.007
95441	0.09	0.12	0.070	0.076
95461	0.03	0.10	0.050	0.046
95481	0.01	0.03	0.020	0.020
95501	0.48	0.42	0.050	0.050
95521	0.09	0.24	0.140	0.139
95541	0.24	0.30	0.310	0.312
95561	0.15	0.20	0.150	0.156
95581	0.72	0.69	0.530	0.533
95601	0.01	0.03	0.010	0.006
95621	0.03	0.09	0.060	0.054
95641	0.09	0.10	0.130	0.135
95661	0.01	0.05	0.030	0.033
95681	0.09	0.13	0.180	0.172
95701	0.01	0.03	0.020	0.017
95721	0.01	0.04	0.010	0.013
95741	0.01	0.02	0.010	0.009
95761	0.01	0.04	0.010	0.009
95781	0.01	0.01	0.010	0.006
95801	0.01	0.01	0.010	0.005
95821	0.01	0.05	0.030	0.027
95841	0.06	0.12	0.020	0.022
95861	0.01	0.01	0.010	0.005
95881	0.01	0.02	0.010	0.012
95901	0.01	0.08	0.030	0.029
95921	0.01	0.06	0.020	0.022
95941	0.06	0.09	0.060	0.059

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
95961	0.06	0.13	0.110	0.116
95981	0.01	0.06	0.040	0.041
96001	0.01	0.02	0.010	0.007
96021	0.01	0.01	<.01	0.004
96041	0.09	0.11	0.010	0.004
96061	0.03	0.07	0.010	0.016
96081	0.01	0.04	0.010	0.012
96101	0.01	0.02	0.010	0.008
96121	0.01	0.04	0.050	0.024
96141	0.01	0.02	0.020	0.020
96161	0.01	0.03	<.01	0.004
96181	0.01	0.01	<.01	0.003
96201	0.01	0.02	<.01	0.004
96221	0.01	0.06	0.050	0.052
96241	0.01	0.06	0.060	0.060
96261	0.01	0.02	<.01	0.007
96281	0.01	0.05	0.090	0.098
96301	0.01	0.08	0.010	0.011
96321	0.01	0.07	0.020	0.020
96341	0.01	0.03	0.010	0.009
96361	0.21	0.24	0.170	0.170
96381	0.63	0.68	0.230	0.233
96401	0.30	0.28	0.170	0.162
96421	1.83	1.98	0.940	0.957
96441	0.06	0.11	0.020	0.012
96501	0.01	0.04	0.010	0.019
96521	0.01	0.10	0.020	0.024
96541	0.01	0.08	0.040	0.051
96561	0.01	0.09	0.100	0.110
96581	0.01	0.12	0.150	0.156
96601	0.01	0.09	0.170	0.179
96621	0.15	0.22	0.310	0.310
96641	0.09	0.22	0.270	0.279
96661	0.21	0.32	0.370	0.395
96681	0.01	0.01	0.010	0.005
96701	0.01	0.02	<.01	0.004
96721	0.01	0.02	0.030	0.030
96741	0.01	0.19	0.210	0.209
96761	0.06	0.12	0.120	0.122
96781	0.06	0.10	0.090	0.095
96801	0.06	0.11	0.100	0.100
96821	0.01	0.04	0.010	0.006
96841	0.42	0.44	0.210	0.221
96861	0.18	0.23	0.170	0.178
96881	0.15	0.22	0.160	0.168
96901	0.09	0.13	0.160	0.164
96921	0.01	0.06	0.050	0.055
96941	0.09	0.12	0.510	0.512
96961	0.06	0.11	0.550	0.543
96981	0.01	0.03	0.150	0.154
97001	0.01	0.06	0.140	0.145
97021	0.06	0.12	0.040	0.038
97041	0.21	0.29	0.660	0.670
97061	0.01	0.03	0.030	0.031
97081	0.15	0.16	0.290	0.284
97101	0.01	0.01	0.010	0.007

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
97121	0.09	0.20	0.630	0.634
97141	0.01	0.02	0.010	0.011
97161	0.01	0.12	0.580	0.600
97181	0.01	0.07	0.420	0.428
97201	0.01	0.10	0.290	0.292
97221	0.15	0.21	0.330	0.341
97241	0.39	0.42	0.270	0.272
97261	0.30	0.39	0.350	0.364
97281	0.24	0.31	0.350	0.355
97301	0.01	0.02	0.090	0.096
97321	0.01	0.02	0.080	0.091
97341	0.01	0.04	0.040	0.045
97361	0.01	0.02	0.160	0.159
97381	0.01	0.06	0.150	0.150
97401	0.24	0.35	0.240	0.248
97421	0.01	0.05	0.010	0.011
97441	0.01	0.04	0.030	0.028
97461	0.01	0.05	0.100	0.102
97481	0.01	0.09	0.180	0.189
97501	0.01	0.08	0.170	0.166
97521	0.01	0.02	0.050	0.052
97541	0.01	0.01	0.010	0.011
97561	0.06	0.13	0.060	0.061
97581	0.06	0.12	0.030	0.026
97601	0.18	0.19	0.180	0.183
97621	0.27	0.31	0.170	0.169
97641	0.24	0.37	0.060	0.063
97681	0.03	0.06	0.060	0.057
97701	0.21	0.20	0.030	0.025
97721	0.15	0.13	0.190	0.194
97741	0.09	0.10	0.100	0.095
97761	0.03	0.04	0.060	0.061
97781	0.45	0.44	0.520	0.533
97801	0.09	0.14	0.100	0.100
97821	0.01	0.05	0.030	0.032
97841	0.15	0.17	0.150	0.144
97861	0.39	0.38	0.380	0.398
97881	0.18	0.17	0.190	0.198
97901	0.30	0.36	0.450	0.481
97921	0.09	0.12	0.070	0.067
97941	0.18	0.19	0.130	0.132
97961	0.30	0.31	0.310	0.312
97981	0.15	0.13	0.080	0.076
98001	0.27	0.26	0.320	0.312
98021	0.18	0.16	0.160	0.146
98041	0.15	0.12	0.150	0.152
98061	0.21	0.21	0.160	0.162
98081	0.15	0.14	0.100	0.097
98101	0.09	0.08	0.060	0.064
98121	0.01	0.02	<.01	0.001
98141	0.01	0.02	0.010	0.004
98161	0.03	0.03	0.010	0.005
98181	0.06	0.07	0.070	0.069
98201	0.15	0.13	0.030	0.026
98221	0.18	0.20	0.110	0.103
98261	0.15	0.13	0.210	0.204

AMERICAN BULLION MINERALS LTD.

RED CHRIS DUPLICATE ANALYSIS, 1995

SAMPLE DESCRIPTION	g/t CXAu	gpt MEAu	% CXCu	% MECu
98281	0.01	0.01	<.01	0.005
98301	0.01	0.01	<.01	0.003
98321	0.01	0.02	0.010	0.014
98341	0.09	0.18	0.150	0.150
98381	0.09	0.09	0.080	0.079
98401	0.01	0.02	<.01	0.003
98421	0.09	0.13	0.090	0.098
98441	0.01	0.06	0.010	0.013
98461	0.01	0.08	0.030	0.034
98481	0.01	0.02	<.01	0.007
98501	0.01	0.07	0.140	0.139
98521	0.06	0.13	0.070	0.069
98541	0.15	0.20	0.110	0.118
98561	0.21	0.34	0.110	0.114
98581	0.15	0.19	0.090	0.093
98601	0.01	0.05	<.01	0.006
98621	0.01	0.04	<.01	0.002
98641	0.21	0.31	<.01	0.006
98661	0.15	0.22	0.110	0.120
98681	0.06	0.18	0.130	0.128
98701	0.24	0.30	0.120	0.120
98721	0.01	0.04	0.030	0.037
98741	0.01	0.10	<.01	0.001
99141	0.27	0.35	0.300	0.303
99161	1.44	1.40	1.060	1.120
99181	0.18	0.20	0.340	0.339
99201	0.27	0.18	0.050	0.053
99221	0.24	0.31	0.130	0.135
99241	0.01	0.11	0.030	0.034
99261	0.69	0.77	0.790	0.761
99281	0.30	0.32	0.490	0.498
99301	0.39	0.40	0.260	0.257
99341	0.01	0.07	0.020	0.014
99361	0.01	0.08	0.030	0.024
99381	0.18	0.24	0.120	0.116
99401	0.06	0.10	0.120	0.115
99421	0.30	0.35	0.330	0.332
99461	0.06	0.14	0.040	0.039
99481	0.01	0.10	0.100	0.095
99501	0.06	0.12	0.130	0.131
99521	0.15	0.16	0.180	0.182
99541	0.24	0.29	0.410	0.403
99561	0.39	0.50	0.640	0.637
99581	0.27	0.31	0.480	0.501
99621	0.03	0.08	0.060	0.063
99641	0.01	0.04	0.060	0.065
99821	0.09	0.18	0.050	0.050
MEAN	**0.140**	**0.170**	**0.178**	**0.182**
% DIFF		**17.67**		**1.86**

APPENDIX 4

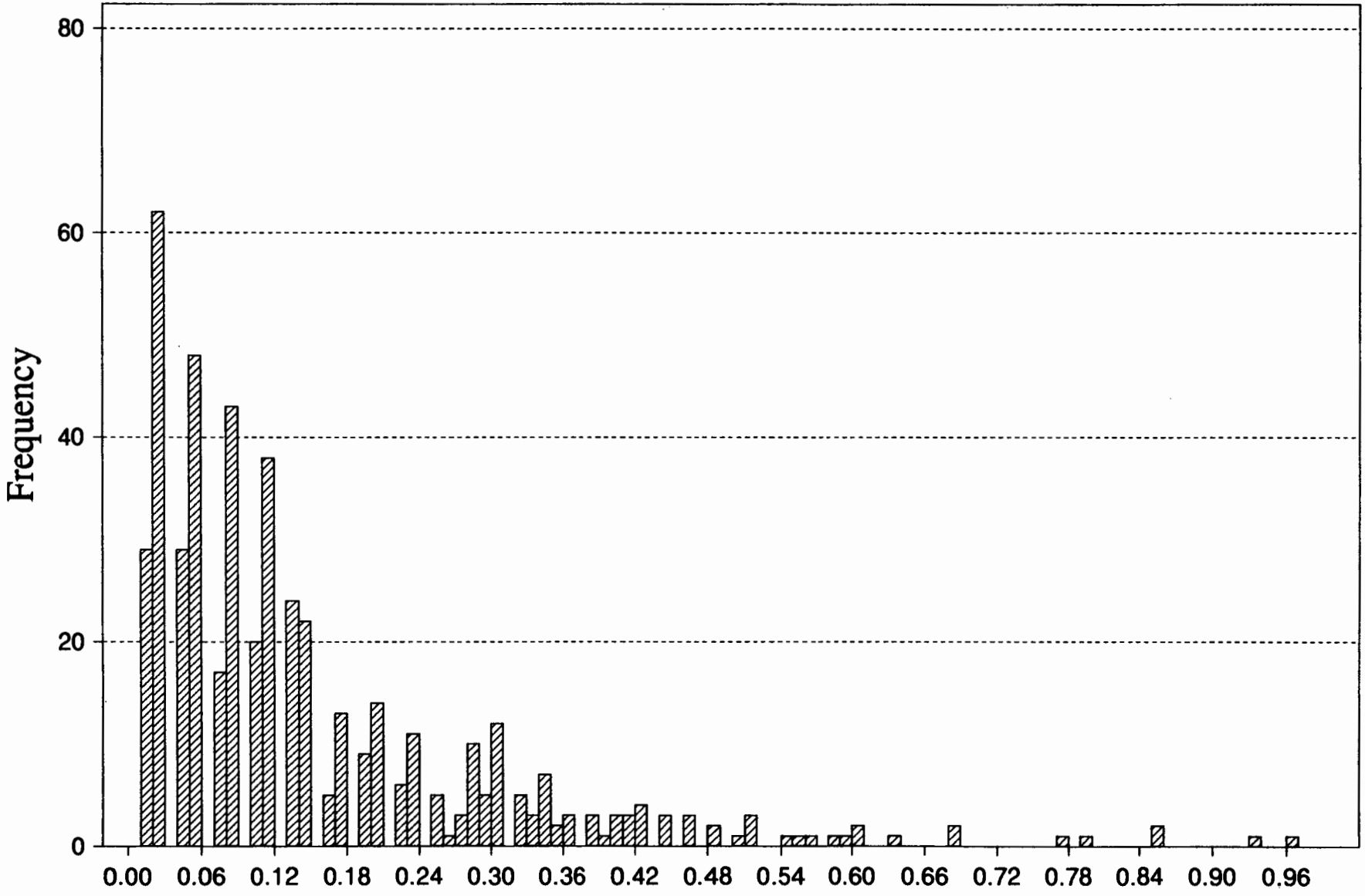
Statistics and Histograms

STATISTIX 4.1 REDCH95, 02/04/96, 12:11

DESCRIPTIVE STATISTICS

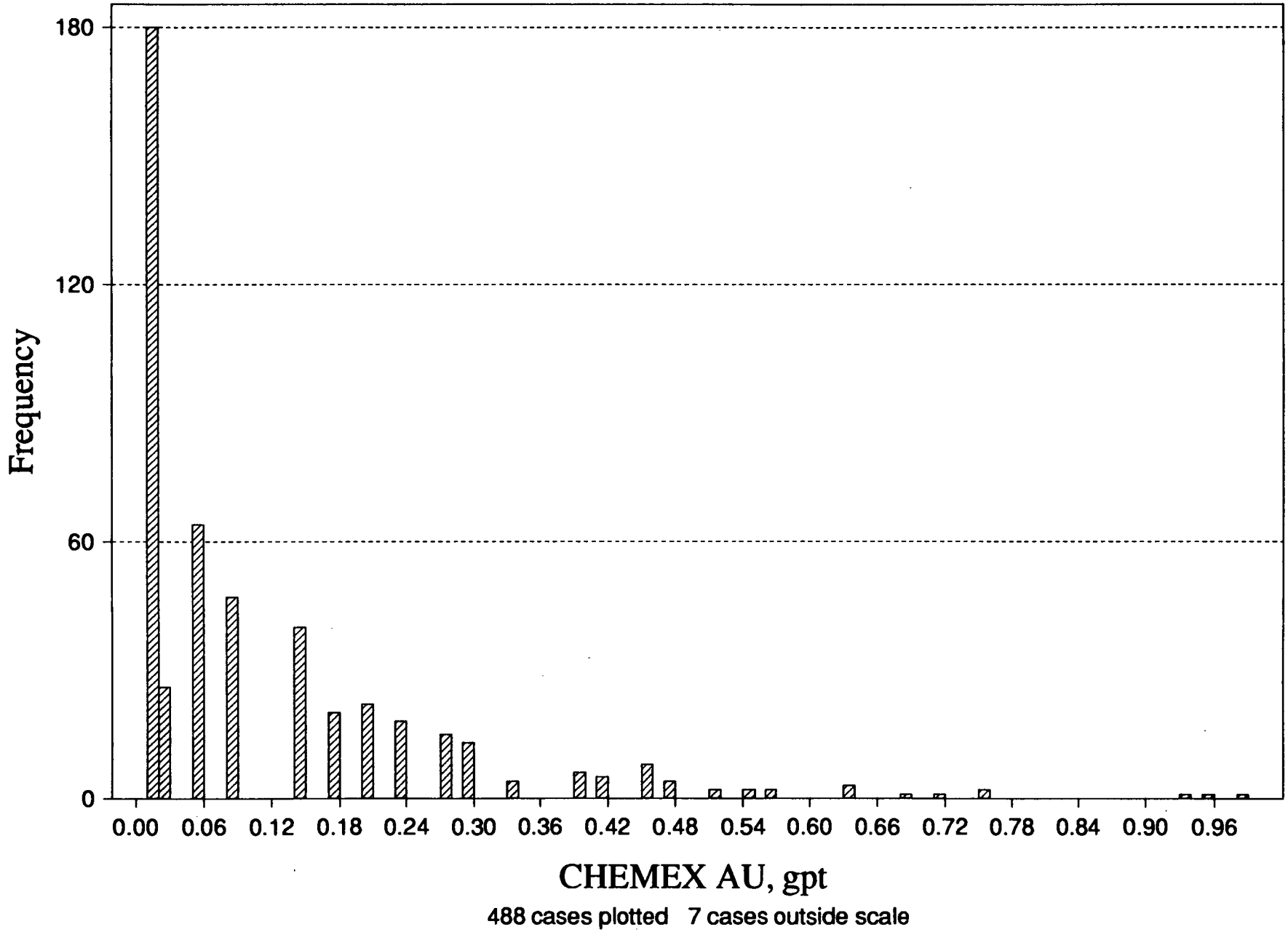
	CXAU	MEAU	CXCU	MECU
N	495	495	495	495
MEAN	0.1396	0.1695	0.1785	0.1816
SD	0.2176	0.2118	0.2065	0.2107
MINIMUM	1.000E-02	1.000E-02	5.000E-03	1.000E-03
1ST QUARTI	1.000E-02	0.0500	0.0300	0.0290
MEDIAN	0.0600	0.1000	0.1100	0.1140
3RD QUARTI	0.1800	0.2100	0.2600	0.2580
MAXIMUM	1.8300	1.9800	1.5700	1.5500

RED CHRIS 1995 DUPLICATES

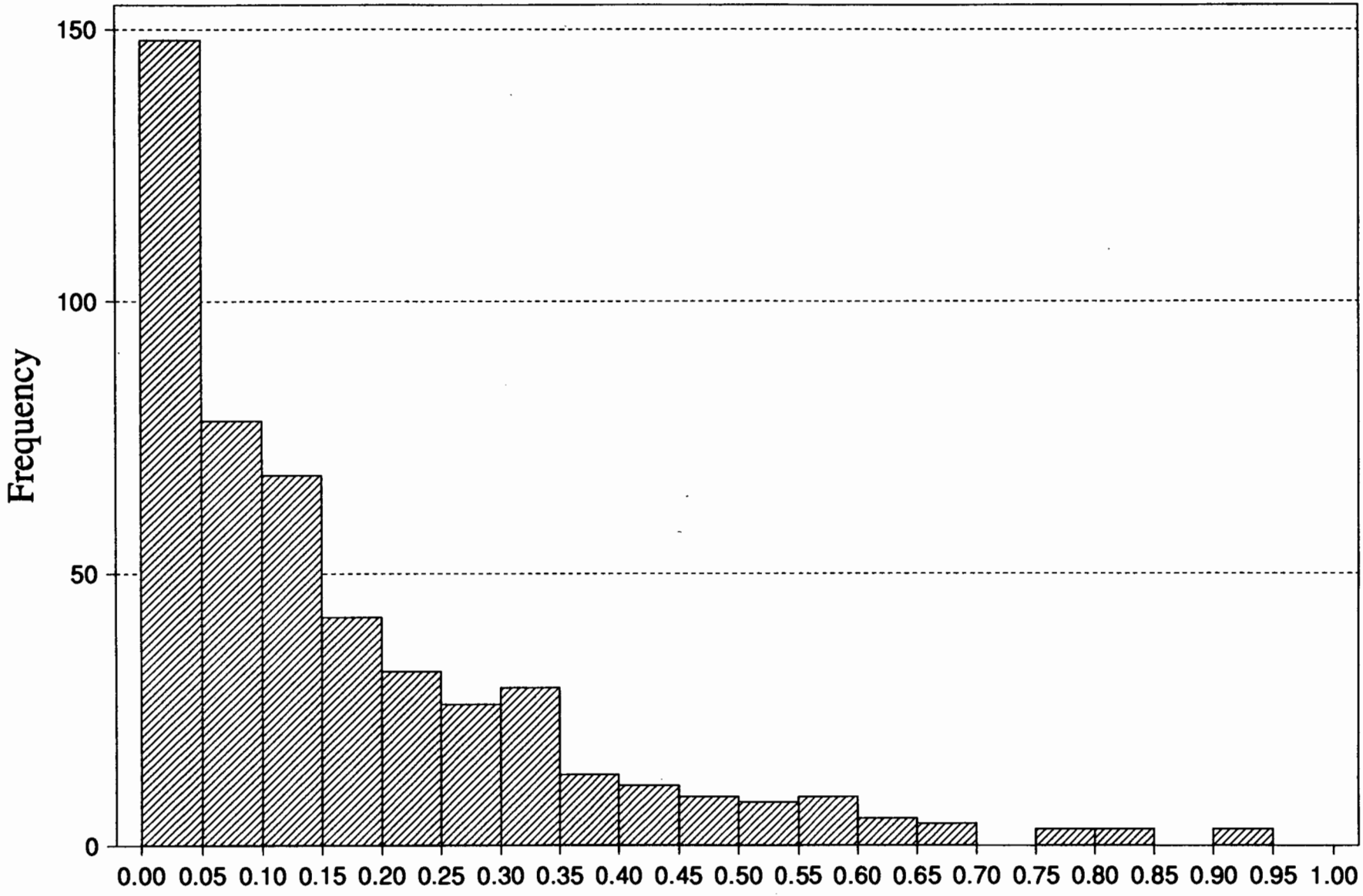


488 cases plotted 7 cases outside scale

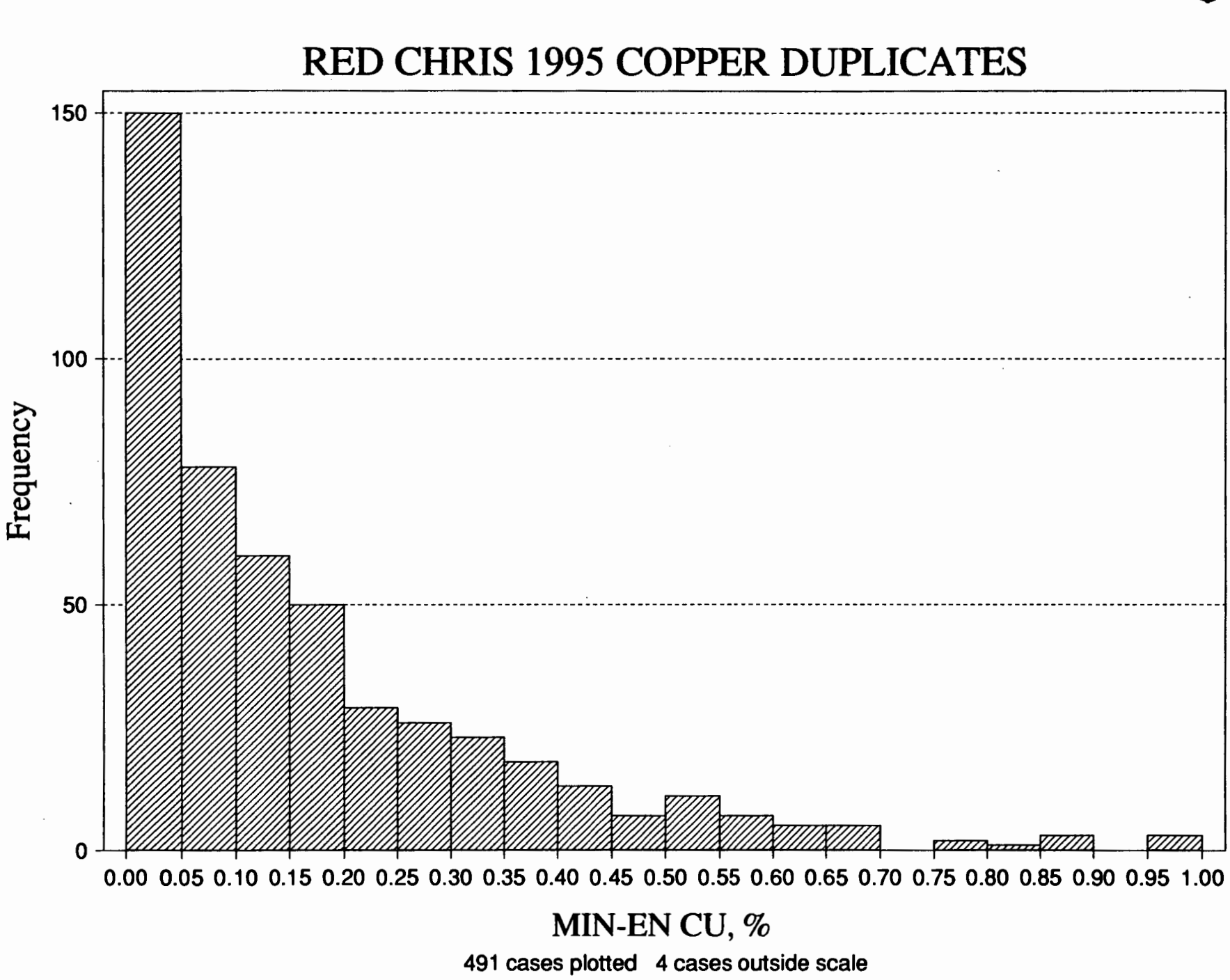
RED CHRIS 1995 GOLD DUPLICATES



RED CHRIS 1995 COPPER DUPLICATES



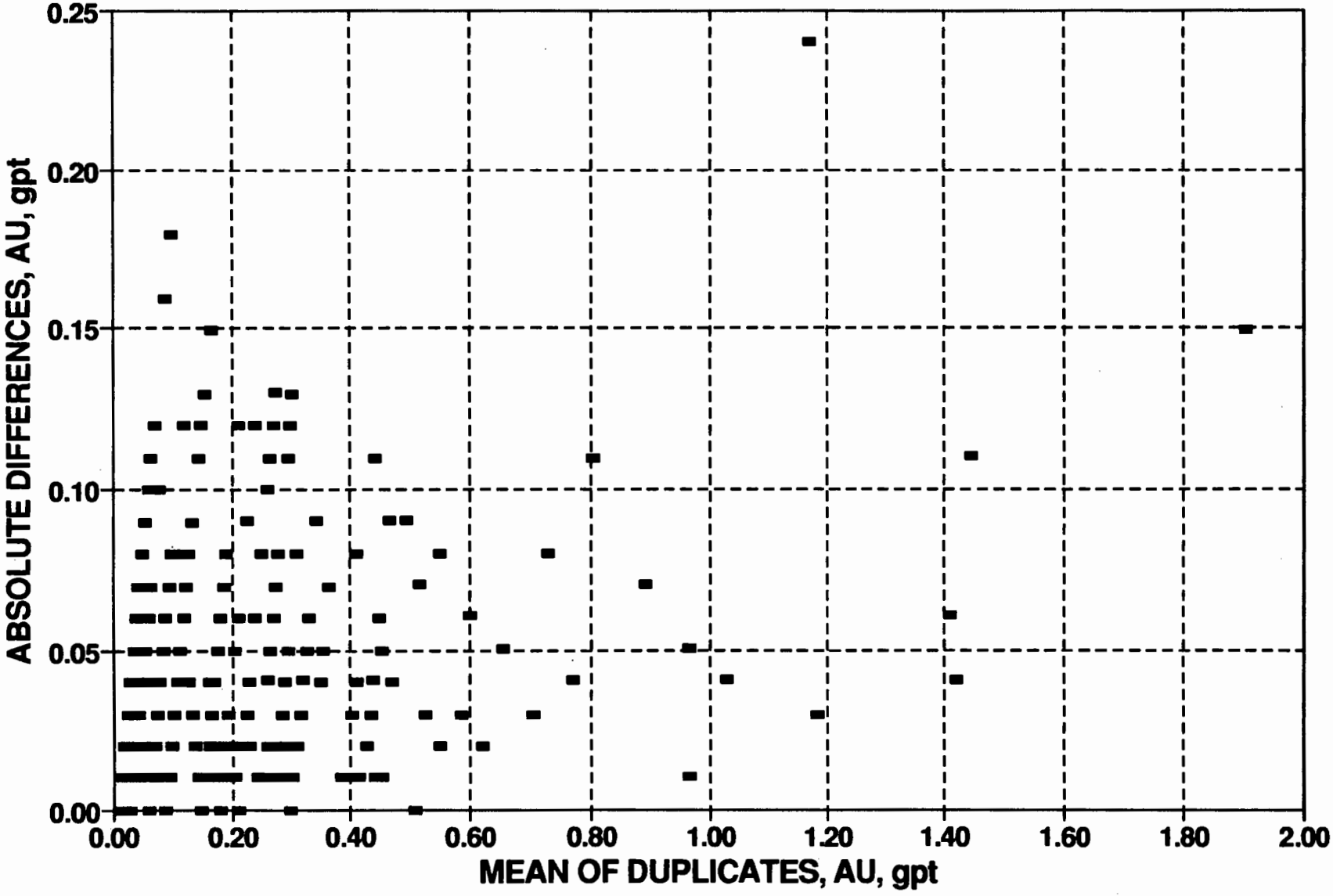
491 cases plotted 4 cases outside scale

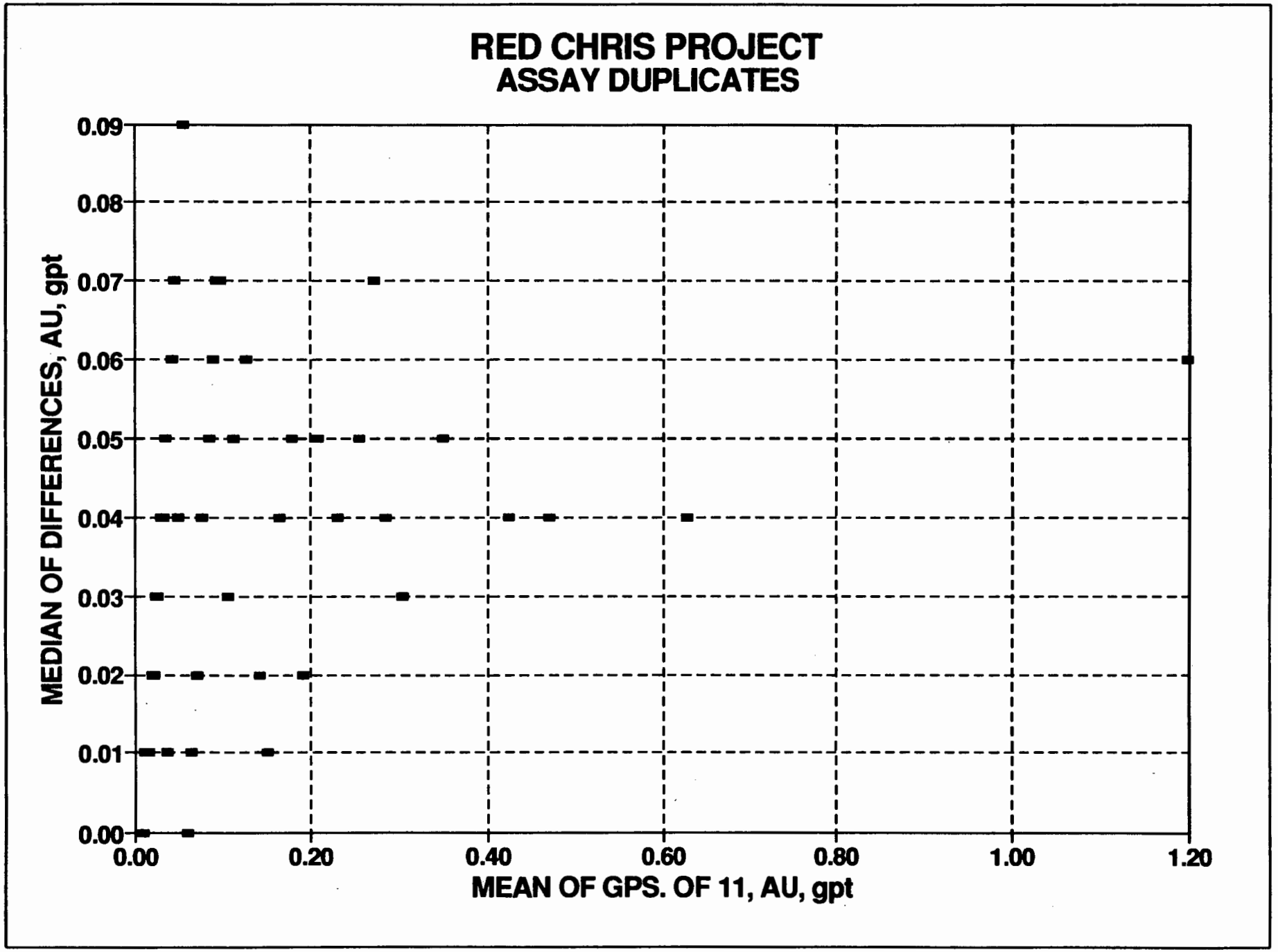

RED CHRIS 1995 COPPER DUPLICATES
150
100
50
0
Frequency
0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00
MIN-EN CU, %
491 cases plotted 4 cases outside scale

APPENDIX 5

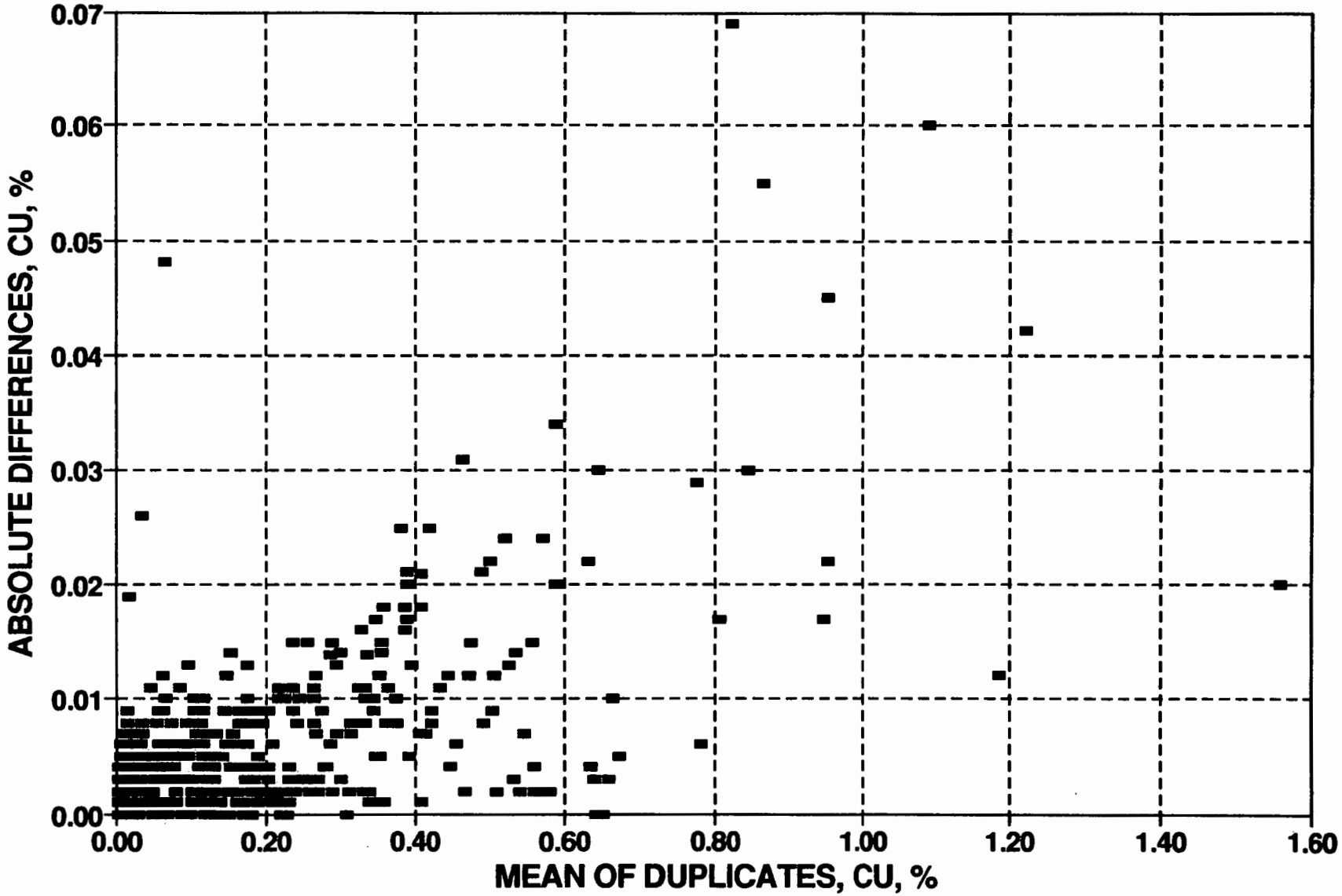
Thompson-Howarth Plots
for Gold and Copper Duplicates

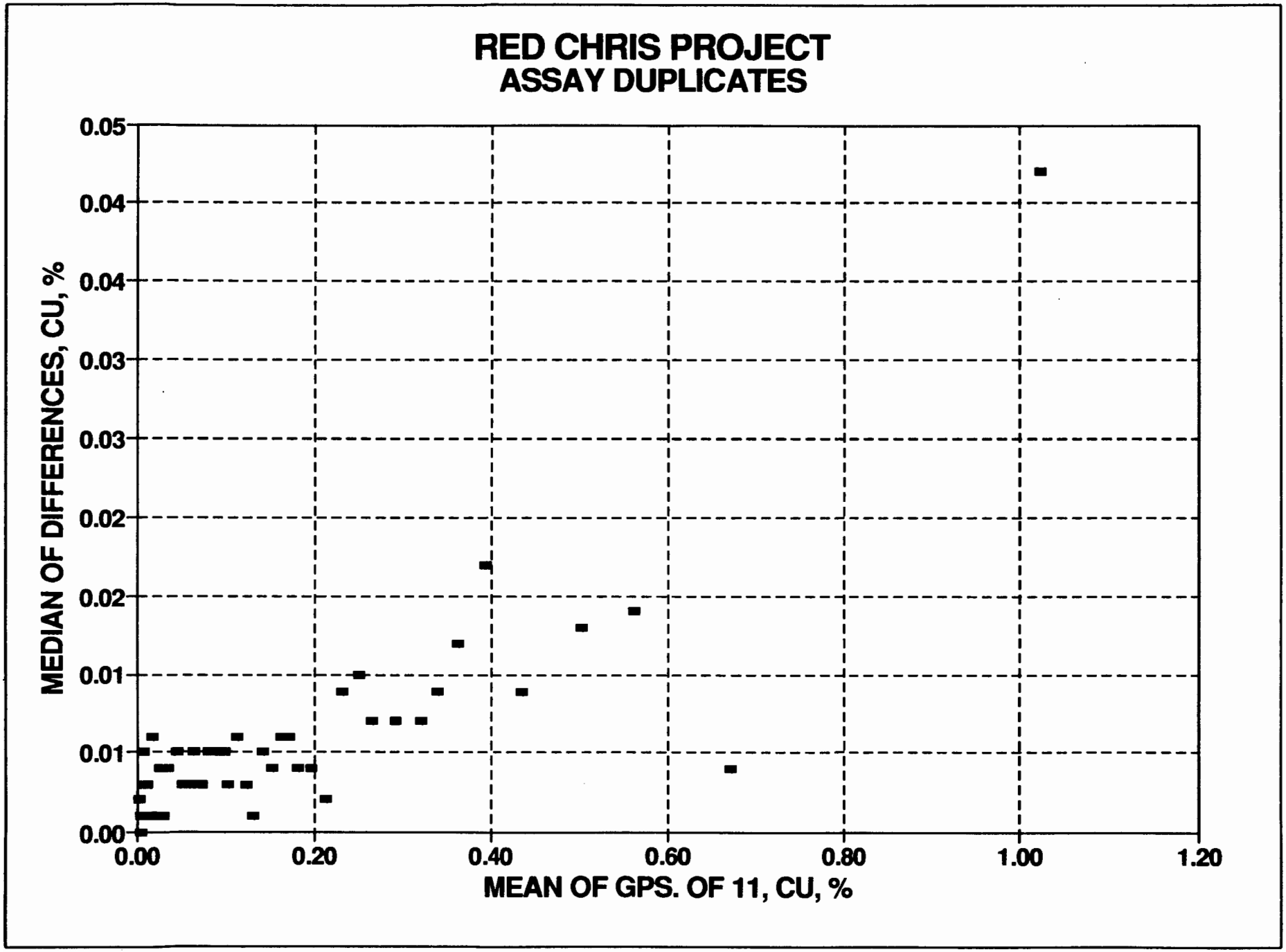
RED CHRIS PROJECT
ASSAY DUPLICATES




RED CHRIS PROJECT
ASSAY DUPLICATES
MEDIAN OF DIFFERENCES, AU, gpt
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MEAN OF GPS. OF 11, AU, gpt

RED CHRIS PROJECT
ASSAY DUPLICATES




RED CHRIS PROJECT
ASSAY DUPLICATES
MEDIAN OF DIFFERENCES, CU, %
0.05
0.04
0.04
0.03
0.03
0.02
0.02
0.01
0.01
0.00
0.00
0.20
0.40
0.60
0.80
1.00
1.20
MEAN OF GPS. OF 11, CU, %