AP NO.:	ASSESSMENT REPORT	DOCUMENT NO: 093142
	PROSPECTUS	MINING DISTRICT: MAYO
05M 13	CONFIDENTIAL X	TYPE OF WORK: GEOCHEM
06D 4	OPEN FILE	

EPORT FILED UNDER: IVANHOE GOLDFIELDS LTD.

ATE PERFORMED: SEPTEMBER 1-7, 1993 DATE FILED: NOV 15, 1993

OCATION: LAT.: 64°02'N AREA: DUBLIN GULCH

LONG.: 135°55'W VALUE $: 10,000

LAIM NAME & NO.: WEST 1-12 (YB18768-779), WEST 16-27 (YB18783-794), WEST 28, 30, 32, 34, 36, YB18835-855), WEST 92-104 (YB18859-871), WEST 106 (YB18873), WEST 108-111 (YB18875-878), WEST 22-131 (YB18889-898), WEST 145-155 (YB18912-922), WEST 166 (YB18933), SEC 1-18 (YB29877-894), EC 25-124 (YB29901-999), W 7F-16F (YB42208-YB42217), W 18F (YB42218), W 19F (YB42219)

ORK DONE BY: C.N. ORSSICH

ORK DONE FOR: IVANHOE GOLDFIELDS LTD QUEENSTAKE RESOURCES LTD

ATE TO GOOD STANDING:	

REMARKS: 460 soil samples collected on contour lines.

1993 DUBLIN GULCH GEOCHEMICAL ASSESSMENT REPORT

Author: C.N. Orssich, P. Geo.

Date: October 14, 1993

Work period: September 1 - 7, 1993

Claims: Portion of Dublin Gulch Property, West of Haggart Creek
SEC 19 - Sec 24
WEST 1 - WEST 50
W1F - W6F

Location:
Area: Central Yukon Territory
Mining District: Mayo
Co-ordinates: Latitude: 64° 02'
Longitude: 135° 55'
N.T.S.: 106D/4, 105 M/13

Owner: Ivanhoe Goldfields Ltd.
Queenstake Resources Ltd.

093142

Operator: Ivanhoe Goldfields Ltd.

TABLE OF CONTENTS

SUMMARY AND CONCLUSIONS

The Dublin Gulch property is located in central Yukon approximately 50 km north of the town of Mayo.

The claims are underlain by upper Precambrian and/or lower Cambrian Hyland Group (formerly Grit Unit) metasedimentary rocks intruded by dykes and sills of Cretaceous granodiorite to quartz monzonite.

This report discusses a contour line soil geochemical survey conducted on a portion of the property located west of Haggart Creek and drained by Iron rust, Fisher and Secret Creeks.

The geochemical soil survey was conducted to search the predominantly overburdened covered area for two types of mineralization: 1) intrusive hosted quartz-gold vein mineralization similar to the Eagle Zone located 3 km southeast of the survey area, and 2) the source of cassiterite pebbles which are abundant in placer concentrates from Fisher Gulch.

A total of 460 soil samples were collected and analyzed by Chemex Labs Ltd. in North Vancouver B.C. for Au, Sn, and nine element I.C.P.(Sb, As, Bi, Cu, Pb, Hg, Mo, Ag and Zn). In addition, the pulps of 251 soil samples collected during the 1992 field season were reanalyzed for Sn, by Rosssbacher Laboratory in Burnaby B.C. Total cost of the survey was $11,690.89.

Of the fifteen soil anomalies of $\geq$ 20 ppb Au and/or $\geq$ 20 ppm Sn identified, only 2 are considered significant and worthy of additional work. Both are coincident Au, Sn, Pb, Zn, Sb, Bi anomalies overlying granodiorite intrusions and adjacent zones of fractured, limonitic quartite. Additional soil sampling and geological mapping are recommended along the trend of the intrusions.

INTRODUCTION

Location and Access

The Dublin Gulch property is located in central Yukon approximately 50 km north of the town of Mayo (Figure 1). Road access is provided by 36 km of all-weather gravel road north from Mayo, then left onto the South McQuesten River access road for 32 km. The road is well maintained to the South McQuesten River bridge by the Yukon Territorial Government. Beyond this point the road has deteriorated since Canada Tungsten Mining Corporation ceased placer mining at Dublin Gulch in 1986.

This report describes the results of a soil geochemical survey on that portion of the Dublin Gulch property located west of Haggart Creek. The area is accessible via gravel roads leading up Iron rust Creek, Secret Creek and Fisher Gulch.

Vegetation and Physiography

Vegetation on the property is typical for the central Yukon and consists of spruce and aspen on well drained south and west facing slopes and valley bottoms, stunted spruce on the poorly drained and often frozen north facing slopes and clumps of willow and alpine birch near treeline at 1400 m elevation. Trees rarely exceed 35 cm in diameter.

Topography consists of a series of ridges ranging from 1,000 m to 1,354 m in elevation transected by V shaped creek valleys ranging from 800 to 1000 m elevation. Slopes are moderately steep and outcrop is generally restricted to the ridges or creeks.

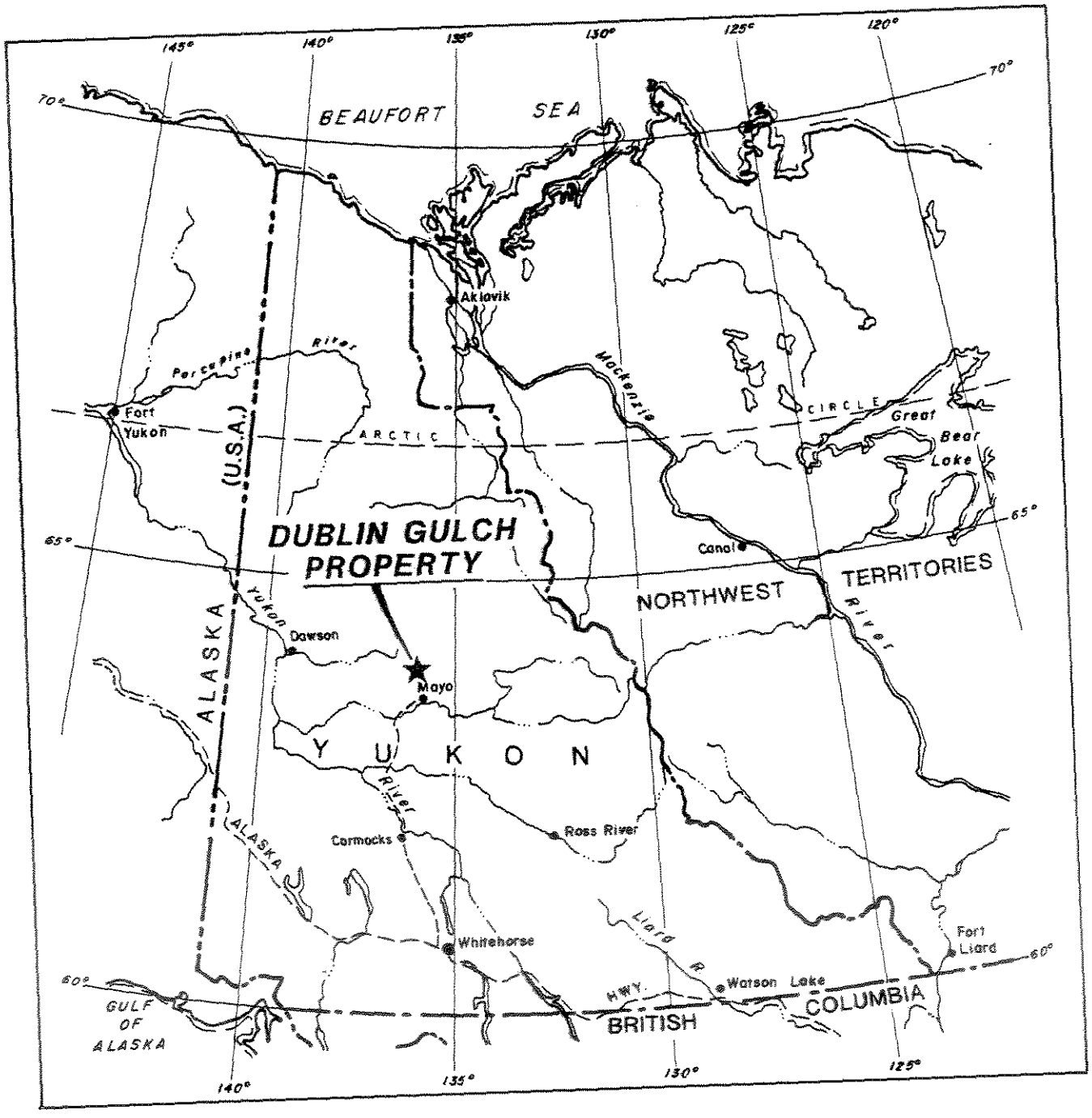
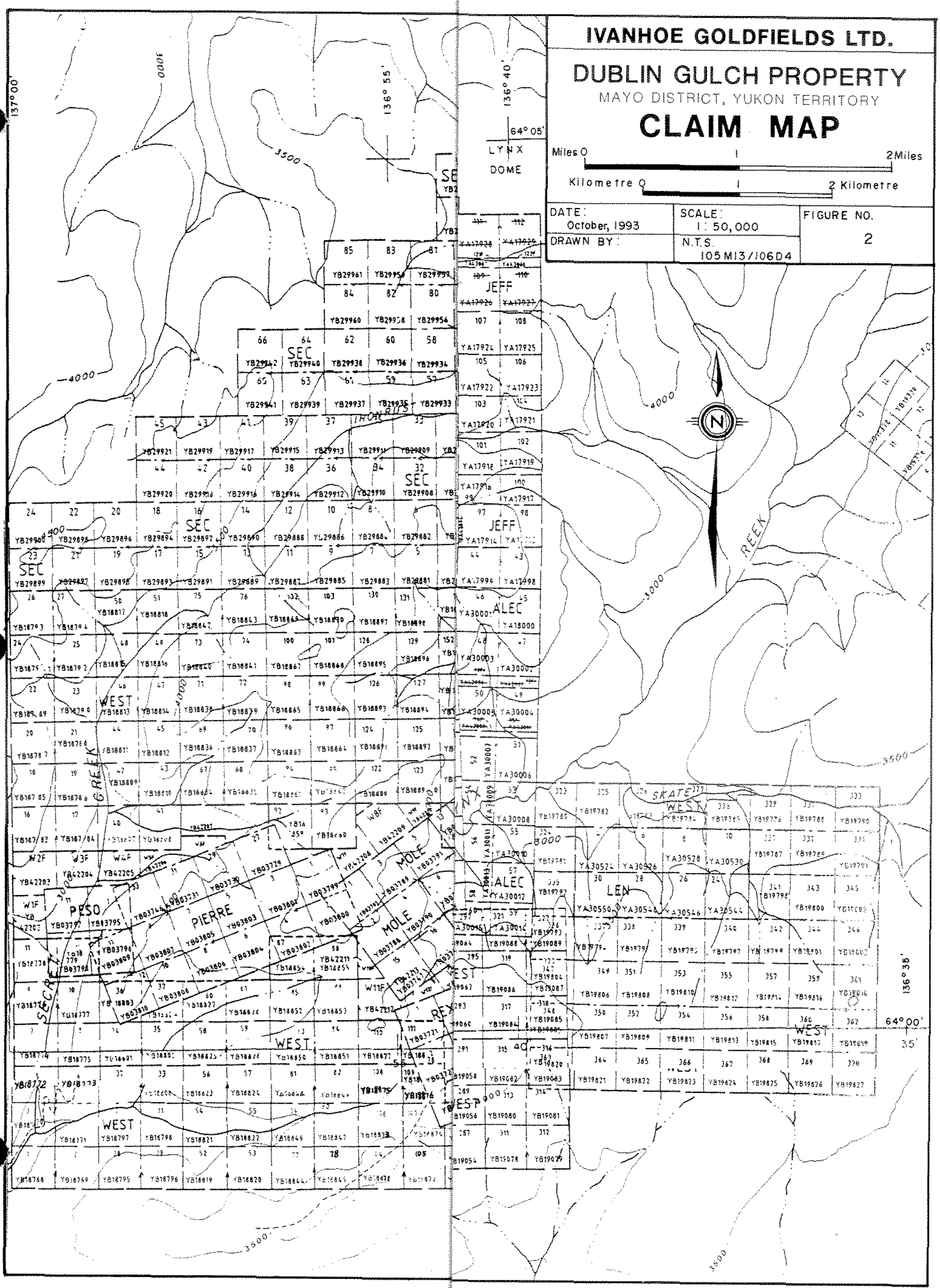


FIGURE 1

IVANHOE GOLDFIELDS LTD.

LOCATION MAP


IVANHOE GOLDFIELDS LTD.
DUBLIN GULCH PROPERTY
MAYO DISTRICT, YUKON TERRITORY
CLAIM MAP
Miles 0 1 2 Miles
Kilometre 0 1 2 Kilometre
DATE: October, 1993
SCALE: 1: 50,000
FIGURE NO. 2
DRAWN BY:
N.T.S. 105M13/106D4
LYNX DOME
137°00'
136°55'
136°40'
64°05'
136°35'
64°00'
N
SEC
JEFF
ALEC
WEST
PESO
PIERRE
MOLE
REX
LEN
SKATE
SECRET CREEK
4000
3500
3000

Claims

The geochemical soil survey was conducted on the West, Sec, W (fractional) and DG claims which compromise the north western portion of the Dublin Gulch property. The claims were grouped to apply work to the most westerly West, Sec and W claims. The West claims were staked in 1991, the Sec and W claims in 1993 by Bear Mountain Exploration Ltd. The claim names, grant numbers and expiry dates of claims on which work was applied are listed in Appendix I.

Geology

The claims are underlain by Upper Precambrian and/or Lower Cambrian Hyland Group metasedimentary rocks (formerly Grit Unit) and are intruded by Cretaceous dykes and sills of granodiorite to quartz monzonite.

For a more detailed description of the geology and Pb-Zn-Ag-Au vein occurrences the reader is referred to:

(1) L.H. Green, 1972, G.S.C. Memoir 364 Geology of Nash Creek, Larsen Creek, and Dawson Map-Areas, Yukon Territory.

(2) D.V. Tempelman - Kluit, 1962, Unpublished B.A. Sc. Thesis, U.B.C., Geology of the Haggart Creek, Dublin Gulch Area, Mayo District, Yukon Territory.

GEOCHEMICAL SURVEY

Purpose

A soil geochemical survey was designed to; 1) explore the area for an intrusive hosted stockwork or disseminated bulk tonnage gold deposit similar to the Eagle Zone located 3 km south east of the survey area at the headwater of Platinum Gulch and Eagle Pup, and 2) identify the source of cassiterite pebbles which are abundant in placer concentrates from Fisher Gulch.

Procedure

Soil profiles are poorly developed on north and northeasterly facing slopes and comprise a zone of moss and roots on top of frozen, unsorted but dominantly silty, medium to dark grey soil. On south and westerly facing slopes, soil profiles are better developed with a weak orange-brown silty to sandy, enriched horizon above a grey coloured 'C' horizon. Elsewhere on the property, rusty soil profiles up to a metre deep have developed over areas of gold mineralization that contain 1-2% disseminated sulphides. Solifluction of the active layer has been observed but does not appear to have produced transported anomalies in known mineralized areas.

A total of 460 soil samples were collected from depths of 10 to 30 cm below surface with a mattock and were placed in 4 x 6 inch, numbered, Kraft sample bags. Samples were partially sun dried and then packed in plastic and canvas sacks for shipment to Chemex Labs Ltd. in North Vancouver.

Samples were collected at 50 m intervals on lines oriented parallel to topographic contours and spaced between 100 and 150 m vertically apart. Survey control was established by altimeter and hip chain and chaining to recognizable topographic points such as creek intersections and ridge crests.

A total of 251 pulps from soil samples collected during the 1992 field season were analyzed in 1993 for tin: These samples had also been collected at 50 m spacings along lines parallel to topographic contours. Initially only every third sample was analyzed for Sn but subsequently intervening samples adjacent to anomalies were analyzed as well.

The soil sample locations, sample numbers, gold and tin values of all samples with> 10 ppb gold and >10 ppm tin are plotted on 1:5000 scale topographic maps, (Figures 3, 4, and 5). Only the cost of those samples listed on the certificates of analysis in Appendix II are being applied for assessment and discussed in this report.

Analytical Method

The analytical methods followed by Chemex Labs Ltd. are detailed in Appendix II. Quality control was maintained by inserting control pulps of known gold grade every fifty samples. The lower detection limits are 5 ppb for gold and 2 ppm for tin. Chemex Labs Ltd. performed statistical analyses of the 1993 sample results including, 1) a correlation matrix for all elements and 2) graphs of the logarithm of analytical results versus percent of total samples for each element, (Appendix III).

Results

Anomalous thresholds for gold in soils have been established empirically by grid sampling over areas of known mineralization elsewhere on the property. Values of 20 to 49 ppb Au are considered weakly anomalous, 50 to 99 ppb Au anomalous, and greater than 100 ppb Au strongly anomalous. These numbers are comparable to the 95 and 99 percentile values derived from the Chemex statistical analysis of 18 and 44 ppb Au. Fifteen gold and or tin anomalies have been identified and are discussed bellow in order of priority.

Anomaly I (samples 93DFS554 to 93DFS563) is located on the ridge between Fisher and Iron rust Creek (Figures 3 and 4). It consists of four samples anomalous in gold (up to 40 ppb Au), and five samples anomalous in tin, (up to 220 ppm Sn), over a 450 m length of line. The samples also contain anomalous values of up to 468 ppm As, 580 ppm Zn, 122 ppm Sb, and 40 ppm Bi. The anomaly occurs immediately downslope from a series of old trenches which exposed a limonitic zone in phyllite cut by a bleached, limonitic and phyllically altered granodiorite dyke. Rock chip sampling in 1980, 1991 and 1992 returned values of up 40 ppb Au, 37.0 ppm Ag, >10,000 ppm Pb, and 2409 ppm Sn, from samples of limonitic breccia and intrusive.

Anomaly 2 (Samples 93DBS617, 648-659, 668-673) is located on both sides of a tributary to Secret Creek at 1050 m elevation on the western portion of Figure 4. The anomaly consists of 8 samples anomalous in gold (up to 60 ppb Au) and one sample anomalous in tin (63 ppm Sn). Values of up to 824 ppm As, 502 ppm Pb, 108 ppm Sb and 24 ppm Bi also occur over a 300 m length on two lines 400 m apart. The anomaly overlies a 200 m wide east-west trending biotite granodiorite sill containing traces of disseminated sulfides. No quartz veining was observed but random chip samples of the

intrusion analyzed up to 0.264 g/t Au (sample R94943). A sulfide boulder downslope from the anomaly analyzed 0.613 g/T Au and 601 ppm Sn, (sample R94931).

A zone of limonite and tourmaline healed fractured quartzite occurs at the southern contact of the intrusion. On Tin Dome, located immediately east of Haggart Creek, cassiterite is documented to occur in a tourmaline healed breccia zone, (R.M. Thompson, 1945). Tourmaline bearing samples from anomaly 2 analyze up to 319 ppm Sn, (R94925).

Anomalies 3 to 7 are weak one to two station anomalies of 20 to 45 ppb Au occurring in three areas; 1) on the ridge between Iron Rust Creek and Fisher Gulch, 2) at the head waters of the east fork of Iron rust Creek and 3) at the head waters of Secret Creek, (Figures 3 and 4). Anomalous samples are generally accompanied by detectable gold in adjacent samples. The anomalies are underlain by quartzite and phyllite and may reflect isolated vein occurrences.

Anomalies 8 to 15 are one to two station anomalies of 25 to 91 ppm tin with detectable tin in adjacent samples, (Figure 4). The anomalies are underlain by quartzite or phyllite. Anomaly 8 occurs downslope from quartz, arsenopyrite vein float which analyzed 0.086 g/t Au, (sample R94946). No known tin mineralization occurs near any of these anomalies. However, they may reflect zones of cassiterite-tourmaline healed breccia or fracture zones similar to the Tin Dome occurrence.

DISCUSSION AND RECOMMENDATIONS

Gold tin anomalies 1 and 2 are centred on biotite granodiorite intrusive bodies with adjacent zones of fracturing. The fractures are generally limonite stained and at anomaly 2, healed with tourmaline. Gold and tin values obtained from rock chip samples of the intrusions, and adjacent fracture zones are thought to account for the geochemical anomalies.

No known intrusions occur in the area of anomalies 3 to 15. Anomalies 3 to 7 are weak gold anomalies possibly related to narrow gold veins in quartzite. Anomalies 8 to 15 are weak tin anomalies possibly related to tourmaline-cassiterite vienlets in zones of fracturing similar to Tin Dome.

Additional geological mapping and soil sampling is recommended along the trend of the intrusions at anomalies 1 and 2. No further work is recommended in the areas of anomalies 3 to 15.

References

R.M. Thompson, 1945; An Occurrence of Cassiterite at Dublin Gulch, Yukon Territory, Economic Geology, Volume X, No.2.

APPENDIX I

CLAIMS DATA

Claim Names	Grant Numbers	Expiry dates *
West 1 - 12	YB18768 - YB18769	October 1, 1996
West 16 - 27	YB18783 - YB18794	October 1, 1996
West 28	YB18795	October 1, 1996
West 30	YB18797	October 1, 1996
West 32	YB18799	October 1, 1996
West 34	YB18801	October 1, 1996
West 36	YB18803	October 1, 1996
West 40	YB18807	October 1, 1996
West 42	YB18809	October 1, 1996
West 44	YB18811	October 1, 1996
West 46	YB18813	October 1, 1996
West 48	YB18815	October 1, 1996
West 50	YB18817	October 1, 1996
Sec 19 - 24	YB29895 - YB29900	October 1, 1996
WIF -W6F	YB42202 - YB42207	October 1, 1996

* Expiry dates assuming acceptance of assessment work.

APPENDIX II

ANALYTICAL METHODS AND

CERTIFICATES OF ANALYSIS

Gold

Fire Assay Collection/ Atomic Absorption Spectroscopy (FA-AA)

Chemex Code: 100

A 10g sample is fused with a neutral lead oxide flux inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

These beads are digested for 30 mins in 0.5ml concentrated nitric acid, then 1.5ml of concentrated hydrochloric acid are added and the mixture is digested for 1 hr. The samples are cooled, diluted to a final volume of 5ml, homogenized and analyzed by atomic absorption spectroscopy.

Detection limit: 5 ppb

Upper Limit: 10,000 ppb

Tin

Atomic Absorption Spectroscopy

Chemex Code: 19

A prepared sample (1.00 g) is sintered with ammonium iodide. The resulting tin iodide is leached with a diluted HCl - ascorbic acid solution. The TOPO complex is then extracted with MIBK and analyzed by atomic absorption spectroscopy.

Detection Limit: 2 ppm Upper Limit: 1000 ppm

9-Element Base Metal Analysis Package (ICP-9)

Inductively-Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

A prepared sample (1.00g) is digested with concentrated nitric and aqua regia acids at medium heat for two hours. The acid solution is diluted to 25ml with demineralized water, mixed and analyzed by inductively-coupled plasma atomic emission spectroscopy. Results are corrected for spectral interelement interferences.

Chemex Code	Element	Detection Limit	Upper Limit
1005	Silver	0.2 ppm	0.02 %
1929	Cobalt	1 ppm	1 %
1931	Copper	1 ppm	1 %
1932	Iron	0.01 %	15 %
1937	Manganese	5 ppm	1 %
1938	Molybdenum	1 ppm	1 %
1940	Nickel	1 ppm	1 %
1004	Lead	5 ppm	1 %
1950	Zinc	2 ppm	1 %

Rossbacher Laboratory Ltd.
GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B.C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604

METHODS OF ANALYSIS (CONT'D)

7. **Chromium:**
0.25 Gram sample is fused with Sodium Peroxide. The solution is analyzed by atomic absorbtion spectroscopy.

8. **Fluorine:**
0.50 Gram sample is fused with Carbonate Flux, and dissolved. The solution is analysed for Fluorine by use of an Ion Selective Electrode.

9. **Gold:**
10.0 Gram sample is roasted at 550°C and dissolved in Aqua Regia. The resulting solution is subjected to a MIBK extraction, and the extract is analzed for Gold using Atomic Absorbtion spectroscopy.

10. **Mercury:**
1.00 Gram sample is digested with Nitric and Sulfuric acids. The solution if analyzed by Atomic Absorbtion spectroscopy, using a cold vapor generation technique.

11. Partial Extraction and Fe/Mn oxides:
0.50 Gram sample is extracted using one of the following: hot or cold 0.5 N. HCl, 2.5% E.D.T.A., Ammonium citrate, or other selected organic acids. The solution is analyzed by use of Atomic Absorbtion spectroscopy.

12. pH:
An aqueous suspension of soil, or silt is prepared, and its pH is measured by use of a pH meter.

13. **Rapid Silicate Analysis:**
0.10 Gram sample is fused with Lithium Metaborate, and dissolved in HNO_3. The solution is analyzed by Atomic Absorbtion for SiO_2, Al_2O_3, Fe_2O_3, MgO, CaO, Na_2O, K_2O, TiO_2, TiO_2, P_2O_5, and MnO.

14. Tin:
0.50 Gram sample is sublimated by fusion with Ammonium Iodide, and dissolved. The resulting solution is extracted into TOPO/MIBK and analysed by atomic absorbtion spectroscopy.

15. Tungsten:
1.00 Gram sample is sintered with a carbonate flux, and dissolved. The resulting extract is analyzed colormetrically, after reduction with Stannous Chloride, by use of Potassium Thiocyanate.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.
1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

Page Number :1
Total Pages :5
Certificate Date: 23-SEP-93
Invoice No. : I9321239
P.O. Number :
Account :KXX

Standard

CERTIFICATE OF ANALYSIS A9321239

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm			
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93DBS-582	201	229	< 5	0.2	36	< 2	27	< 1	< 1	14	< 2	76	< 2			
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93DBS-600	214	--	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
93DBS-601	201	229	< 5	0.2	60	< 2	33	< 1	< 1	18	4	66	2			
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93DBS-616	201	229	< 5	0.4	142	2	37	< 1	< 1	24	4	94	< 2			
93DBS-617	201	229	10	0.4	206	< 2	14	< 1	1	14	4	50	< 2			
93DBS-618	201	229	15	0.4	266	2	23	< 1	1	20	6	38	< 2			
93DBS-619	201	229	5	< 0.2	146	2	14	< 1	< 1	10	2	38	< 2			

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
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CERTIFICATE OF ANALYSIS A9321239

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm
93DBS-620	201 229	< 5	< 0.2	164	2	24	< 1	< 1	18	4	52	4
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93DBS-622	201 229	< 5	< 0.2	54	< 2	15	< 1	1	22	4	40	< 2
93DBS-623	201 229	< 5	< 0.2	100	< 2	23	< 1	< 1	14	6	56	7
93DBS-624	201 229	< 5	< 0.2	60	2	21	< 1	< 1	22	6	50	< 2
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93DBS-627	201 229	< 5	< 0.2	24	2	21	< 1	< 1	20	2	54	< 2
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93DBS-634	201 229	< 5	< 0.2	14	2	19	< 1	< 1	24	2	56	< 2
93DBS-635	201 229	< 5	< 0.2	8	2	19	< 1	< 1	24	< 2	50	< 2
93DBS-636	201 229	< 5	< 0.2	14	2	16	< 1	< 1	14	< 2	56	< 2
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93DBS-638	201 229	< 5	0.2	14	2	21	< 1	1	36	2	66	< 2
93DBS-639	201 229	< 5	< 0.2	8	2	16	< 1	< 1	16	2	60	< 2
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93DBS-642	201 229	< 5	0.4	8	2	21	< 1	< 1	28	2	56	< 2
93DBS-643	201 229	< 5	< 0.2	18	< 2	12	< 1	1	34	8	48	< 2
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93DBS-645	201 229	< 5	0.2	20	< 2	17	< 1	1	22	4	52	< 2
93DBS-646	201 229	5	0.4	14	2	41	< 1	1	22	6	44	< 2
93DBS-647	201 229	< 5	0.2	24	< 2	28	< 1	< 1	30	4	60	< 2
93DBS-648	201 229	< 5	0.2	200	< 2	13	< 1	1	8	2	38	< 2
93DBS-649	201 229	45	0.2	478	2	30	< 1	1	22	10	44	< 2
93DBS-650	214 --	330	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
93DBS-651	201 229	< 5	0.2	214	< 2	27	< 1	< 1	24	6	42	< 2
93DBS-652	201 229	< 5	0.2	194	< 2	13	< 1	< 1	10	2	56	< 2
93DBS-653	201 229	10	0.2	150	2	12	< 1	< 1	8	6	42	< 2
93DBS-654	201 229	45	0.2	260	2	15	< 1	< 1	20	6	48	< 2
93DBS-655	201 229	30	0.2	580	4	26	< 1	< 1	18	8	58	< 2
93DBS-656	201 229	10	0.2	162	2	13	< 1	< 1	20	4	60	< 2
93DBS-657	201 229	15	0.2	452	14	21	< 1	1	30	12	46	< 2
93DBS-658	201 229	< 5	1.2	812	24	17	< 1	< 1	502	108	106	16
93DBS-659	201 229	< 5	0.2	244	6	26	< 1	< 1	194	26	58	63

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

Page Number :3
Total Pages :5
Certificate Date: 23-SEP-93
Invoice No. : I9321239
P.O. Number :
Account :KXX

CERTIFICATE OF ANALYSIS A9321239

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm
93DBS-660	201 229	< 5	0.2	84	2	32	< 1	< 1	70	12	80	4
93DBS-661	201 229	5	< 0.2	80	< 2	29	< 1	< 1	46	12	56	< 2
93DBS-662	201 229	< 5	0.2	86	6	33	< 1	< 1	80	22	76	3
93DBS-663	201 229	< 5	0.2	74	2	13	< 1	< 1	14	< 2	44	< 2
93DBS-664	201 229	< 5	0.2	112	6	27	< 1	< 1	14	4	60	< 2
93DBS-665	201 229	< 5	0.2	2660	26	43	< 1	< 1	34	6	74	< 2
93DBS-666	201 229	< 5	< 0.2	196	2	26	< 1	< 1	4	2	56	< 2
93DBS-667	201 229	< 5	0.2	200	2	25	< 1	< 1	16	2	56	< 2
93DBS-668	201 229	25	0.2	636	4	43	< 1	< 1	20	4	54	2
93DBS-669	201 229	45	0.2	620	2	30	< 1	< 1	8	2	48	< 2
93DBS-670	201 229	60	0.2	824	6	49	< 1	1	16	4	68	< 2
93DBS-671	201 229	30	0.2	216	< 2	25	< 1	< 1	8	< 2	52	< 2
93DBS-672	201 229	5	0.2	124	2	22	< 1	< 1	12	< 2	58	< 2
93DBS-673	201 229	25	0.2	110	2	27	< 1	< 1	8	2	50	< 2
93DBS-674	201 229	< 5	< 0.2	36	2	15	< 1	1	8	< 2	50	< 2
93DBS-675	201 229	< 5	< 0.2	130	2	24	< 1	< 1	8	2	54	< 2
93DBS-676	201 229	< 5	0.2	84	2	23	< 1	< 1	8	2	66	< 2
93DBS-677	201 229	< 5	< 0.2	112	< 2	31	< 1	< 1	10	< 2	78	< 2
93DBS-678	201 229	< 5	0.2	302	6	41	< 1	< 1	14	2	78	< 2
93DBS-679	201 229	< 5	0.2	200	4	23	< 1	< 1	12	2	54	< 2
93DBS-680	201 229	20	0.2	160	4	22	< 1	1	12	2	62	< 2
93DBS-681	201 229	< 5	0.2	144	4	28	< 1	< 1	22	4	68	2
93DBS-682	201 229	< 5	0.2	138	4	43	< 1	< 1	32	6	98	2
93DBS-683	201 229	< 5	0.2	40	2	19	< 1	< 1	46	14	80	3
93DBS-684	201 229	< 5	0.4	82	2	26	< 1	< 1	62	22	98	4
93DBS-685	201 229	< 5	0.2	54	< 2	21	< 1	< 1	44	10	76	2
93DBS-686	201 229	< 5	0.4	78	< 2	27	< 1	< 1	80	22	90	2
93DBS-687	201 229	< 5	0.4	62	2	23	< 1	< 1	52	12	84	2
93DBS-688	201 229	< 5	0.6	48	< 2	32	< 1	< 1	98	20	96	< 2
93DBS-689	201 229	< 5	0.2	62	2	24	< 1	< 1	56	8	94	2
93DBS-690	201 229	< 5	0.2	58	< 2	25	< 1	< 1	58	12	82	< 2
93DBS-691	201 229	< 5	0.2	76	2	27	< 1	< 1	54	10	86	2
93DBS-692	201 229	< 5	0.6	80	< 2	33	< 1	< 1	76	12	96	< 2
93DBS-693	201 229	< 5	0.6	84	< 2	28	< 1	< 1	84	22	90	4
93DBS-694	201 229	< 5	0.2	54	2	28	< 1	< 1	34	6	86	2
93DBS-695	201 229	< 5	0.6	92	2	36	< 1	< 1	48	8	102	< 2
93DBS-696	201 229	< 5	0.6	90	2	30	< 1	< 1	46	10	92	3
93DBS-697	201 229	< 5	0.4	80	2	27	< 1	< 1	38	8	86	< 2
93DBS-698	201 229	< 5	0.4	38	2	22	< 1	< 1	36	8	84	< 2
93DBS-699	201 229	< 5	0.2	28	< 2	16	< 1	< 1	52	6	58	< 2

Secret Ck.

CERTIFICATION: Stewart Buchlen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

Certificate Date: 23-SEP-93
Invoice No. : 19321239
P.O. Number :
Account :KXX

CERTIFICATE OF ANALYSIS A9321239

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm			
93DBS-700	214	--	380	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
93DBS-701	201	229	< 5	0.2	86	< 2	29	< 1	< 1	60	16	76	3			
93DBS-702	201	229	< 5	1.2	22	18	39	< 1	< 1	190	122	84	4			
93DCS-664	201	229	< 5	< 0.2	8	< 2	7	< 1	< 1	14	< 2	50	< 2			
93DCS-665	201	229	< 5	< 0.2	8	< 2	22	< 1	< 1	16	< 2	48	< 2			
93DCS-666	201	229	< 5	< 0.2	2	< 2	18	< 1	< 1	16	< 2	46	< 2			
93DCS-667	201	229	< 5	< 0.2	14	< 2	23	< 1	1	20	2	46	< 2			
93DCS-668	201	229	< 5	0.2	14	2	30	< 1	2	26	< 2	58	< 2			
93DCS-669	201	229	< 5	< 0.2	12	< 2	22	< 1	< 1	12	< 2	56	< 2			
93DCS-670	201	229	< 5	< 0.2	12	< 2	13	< 1	< 1	14	2	40	< 2			
93DCS-671	201	229	< 5	< 0.2	12	< 2	14	< 1	< 1	10	< 2	48	< 2			
93DCS-672	201	229	< 5	< 0.2	8	2	17	< 1	< 1	24	2	32	< 2			
93DCS-673	201	229	< 5	< 0.2	18	2	15	< 1	1	20	2	54	< 2			
93DCS-674	201	229	< 5	< 0.2	12	< 2	13	< 1	< 1	20	2	38	< 2			
93DCS-675	201	229	< 5	< 0.2	6	2	12	< 1	< 1	22	2	40	< 2			
93DCS-676	201	229	< 5	< 0.2	4	< 2	7	< 1	1	12	< 2	28	< 2			
93DCS-677	201	229	< 5	< 0.2	16	2	18	< 1	< 1	30	< 2	50	< 2			
93DCS-678	201	229	< 5	< 0.2	32	2	29	< 1	< 1	32	< 2	82	2			
93DCS-679	201	229	< 5	< 0.2	24	2	20	1	< 1	28	4	68	2			
93DCS-680	201	229	< 5	0.2	74	2	26	< 1	< 1	44	6	76	2			
93DCS-681	201	229	< 5	0.2	34	2	20	< 1	< 1	42	4	50	91			
93DCS-682	201	229	< 5	0.2	28	2	21	< 1	< 1	50	8	70	7			
93DCS-683	201	229	< 5	< 0.2	32	2	23	< 1	< 1	16	< 2	58	< 2			
93DCS-684	201	229	< 5	< 0.2	64	2	30	< 1	< 1	24	2	74	< 2			
93DCS-685	201	229	< 5	< 0.2	16	2	17	< 1	< 1	18	2	54	< 2			
93DCS-686	201	229	< 5	< 0.2	20	2	20	< 1	< 1	20	< 2	48	< 2			
93DCS-687	201	229	< 5	< 0.2	6	2	27	< 1	< 1	20	< 2	70	< 2			
93DCS-688	201	229	< 5	< 0.2	18	2	24	< 1	< 1	18	2	66	< 2			
93DCS-689	201	229	< 5	< 0.2	12	2	17	< 1	< 1	14	2	52	< 2			
93DCS-690	201	229	< 5	< 0.2	70	2	83	< 1	< 1	24	8	170	3			
93DCS-691	201	229	< 5	< 0.2	1145	20	18	< 1	< 1	36	6	94	2			
93DCS-692	201	229	< 5	< 0.2	16	2	15	< 1	< 1	16	2	52	< 2			
93DCS-693	201	229	< 5	< 0.2	90	8	18	< 1	< 1	20	2	56	< 2			
93DCS-694	201	229	< 5	< 0.2	32	2	17	< 1	< 1	14	2	60	< 2			
93DCS-695	201	229	< 5	< 0.2	56	2	26	< 1	< 1	20	6	88	2			
93DCS-696	201	229	< 5	< 0.2	26	2	24	< 1	< 1	16	2	70	< 2			
93DCS-697	201	229	< 5	< 0.2	18	2	12	< 1	< 1	16	< 2	42	< 2			
93DCS-698	201	229	< 5	< 0.2	76	2	24	< 1	1	26	4	80	< 2			
93DCS-699	201	229	< 5	< 0.2	120	4	21	< 1	1	24	4	70	2			
93DCS-700	214	--	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			

CERTIFICATION: Ivan Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

Page Number :5
Total Pages :5
Certificate Date: 23-SEP-93
Invoice No. :19321239
P.O. Number :
Account :KXX

CERTIFICATE OF ANALYSIS A9321239

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm
93DCS-701	201	229	< 5	< 0.2	16	4	15	< 1	< 1	18	2	58	< 2
93DCS-702	201	229	< 5	< 0.2	28	2	23	< 1	< 1	24	2	68	< 2
93DCS-703	201	229	5	< 0.2	28	2	23	< 1	< 1	24	4	74	< 2
93DCS-704	201	229	< 5	< 0.2	24	2	13	< 1	< 1	16	2	62	< 2
93DCS-705	201	229	< 5	< 0.2	36	4	23	< 1	< 1	40	4	82	< 2
93DCS-706	201	229	< 5	0.2	20	2	15	< 1	< 1	20	4	48	< 2
93DCS-707	201	229	< 5	0.2	26	2	19	< 1	< 1	28	4	68	< 2
93DCS-708	201	229	< 5	< 0.2	36	< 2	18	< 1	< 1	20	< 2	58	< 2
93DCS-709	201	229	< 5	0.2	22	2	15	< 1	< 1	14	2	58	< 2
93DCS-710	201	229	< 5	< 0.2	20	2	17	< 1	< 1	26	4	64	< 2
93DFS-541	201	229	< 5	0.6	48	6	45	< 1	< 1	20	8	76	< 2
93DFS-542	201	229	< 5	0.2	56	2	40	< 1	< 1	32	8	94	< 2
93DFS-543	201	229	< 5	1.6	92	12	63	< 1	< 1	62	22	54	< 2
93DFS-544	201	229	< 5	0.4	44	2	26	< 1	1	24	4	74	< 2
93DFS-545	201	229	< 5	0.8	94	4	34	< 1	< 1	92	14	78	7
93DFS-546	201	229	< 5	0.2	22	2	27	< 1	< 1	20	4	70	< 2
93DFS-547	201	229	< 5	0.2	28	2	11	< 1	< 1	20	2	54	< 2
93DFS-548	201	229	< 5	< 0.2	26	2	28	< 1	< 1	20	12	84	< 2
93DFS-549	201	229	< 5	0.2	52	4	23	< 1	< 1	34	6	72	< 2
93DFS-550	214	--	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
93DFS-551	201	229	< 5	< 0.2	30	2	19	< 1	< 1	16	2	68	< 2
93DFS-552	201	229	< 5	0.4	50	2	47	< 1	< 1	46	18	104	5
93DFS-553	201	229	< 5	3.4	44	22	111	< 1	< 1	332	32	76	3
93DFS-554	201	229	40	0.4	34	2	35	< 1	< 1	148	56	70	5
93DFS-555	201	229	15	0.2	20	4	20	< 1	< 1	40	8	68	3
93DFS-556	201	229	< 5	0.4	18	2	31	< 1	< 1	46	6	90	< 2
93DFS-557	201	229	10	< 0.2	22	2	19	< 1	< 1	32	4	56	5
93DFS-558	201	229	10	0.6	188	4	94	< 1	< 1	60	30	162	34
93DFS-559	201	229	35	6.0	468	40	82	< 1	< 1	580	122	158	110
93DFS-560	201	229	5	0.8	254	6	14	< 1	< 1	104	20	56	31
93DFS-561	201	229	20	2.2	426	24	39	< 1	< 1	188	40	78	29
93DFS-562	201	229	< 5	0.2	34	2	16	< 1	< 1	20	4	72	5
93DFS-563	201	229	20	2.4	120	12	51	< 1	< 1	108	32	100	220
93DFS-564	201	229	< 5	0.2	64	2	28	< 1	< 1	46	6	88	12
93DFS-565	201	229	< 5	0.6	52	< 2	37	< 1	< 1	42	14	76	8
93DFS-566	201	229	< 5	< 0.2	28	< 2	25	< 1	< 1	24	2	76	2
93DFS-567	201	229	< 5	< 0.2	28	< 2	26	< 1	< 1	20	< 2	70	< 2
93DFS-568	201	229	< 5	< 0.2	26	2	26	< 1	< 1	34	4	86	3
93DFS-569	201	229	< 5	0.2	28	< 2	27	< 1	< 1	26	2	72	< 2
93DFS-570	201	229	10	0.4	60	2	34	< 1	< 1	48	4	88	21

CERTIFICATION: Stewart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

Certificate Date: 22-SEP-93
Invoice No. : 19321240
P.O. Number :
Account : KXX

CERTIFICATE OF ANALYSIS A9321240

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm			
93DFS-571	201	229	< 5	< 0.2	36	< 2	14	< 1	< 1	48	4	56	3			
93DFS-572	201	229	20	1.8	96	< 2	25	< 1	< 1	88	10	80	< 2			
93DFS-573	201	229	< 5	0.4	20	< 2	19	< 1	< 1	158	2	86	< 2			
93DFS-574	201	229	< 5	1.2	44	< 2	32	< 1	< 1	106	2	98	< 2			
93DFS-575	201	229	15	0.8	98	< 2	21	< 1	< 1	114	2	86	< 2			
93DFS-576	201	229	< 5	0.4	68	< 2	35	< 1	< 1	78	< 2	118	< 2			
93DFS-577	201	229	< 5	0.4	14	< 2	55	1	< 1	48	< 2	264	< 2			
93DFS-578	201	229	< 5	1.2	16	< 2	36	< 1	< 1	114	< 2	172	< 2			
93DFS-579	201	229	< 5	1.2	6	< 2	28	< 1	< 1	142	< 2	164	< 2			
93DFS-580	201	229	< 5	0.4	4	< 2	36	< 1	< 1	52	2	126	< 2			
93DFS-581	201	229	< 5	3.2	8	2	49	1	< 1	338	2	216	< 2			
93DFS-582	201	229	< 5	0.6	12	< 2	27	< 1	< 1	40	< 2	108	< 2			
93DFS-583	201	229	< 5	0.2	4	< 2	19	1	< 1	28	2	110	< 2			
93DFS-584	201	229	< 5	0.6	6	< 2	45	1	< 1	36	2	110	< 2			
93DFS-585	201	229	< 5	0.6	12	< 2	46	1	< 1	48	2	124	< 2			
93DFS-586	201	229	< 5	0.2	6	< 2	40	1	< 1	24	< 2	102	< 2			
93DFS-587	201	229	< 5	0.2	14	< 2	16	1	< 1	54	2	70	< 2			
93DFS-588	201	229	< 5	0.2	16	< 2	16	< 1	< 1	24	< 2	124	< 2			
93DFS-589	201	229	< 5	1.6	16	< 2	34	< 1	< 1	126	2	124	< 2			
93DFS-590	201	229	< 5	0.6	8	< 2	17	< 1	< 1	48	2	68	< 2			
93DFS-591	201	229	< 5	0.2	14	< 2	17	1	< 1	28	2	46	< 2			
93DFS-592	201	229	< 5	0.2	14	< 2	22	1	< 1	18	2	56	< 2			
93DFS-593	201	229	< 5	0.2	16	< 2	26	1	< 1	18	2	56	< 2			
93DFS-594	201	229	< 5	0.4	16	< 2	22	< 1	< 1	44	2	76	< 2			
93DFS-595	201	229	< 5	0.4	20	< 2	27	1	< 1	22	4	66	< 2			
93DFS-596	201	229	< 5	0.4	16	< 2	16	1	< 1	14	2	66	< 2			
93DFS-597	201	229	< 5	0.2	18	< 2	12	1	< 1	24	2	52	< 2			
93DFS-598	201	229	< 5	7.6	142	32	237	1	< 1	266	58	214	3			
93DFS-599	201	229	< 5	0.4	26	< 2	12	< 1	< 1	30	2	56	< 2			
93DFS-600	214	--	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
93DFS-650	201	229	< 5	0.2	18	< 2	13	1	< 1	26	2	40	< 2			
93DFS-651	201	229	< 5	0.6	16	< 2	25	1	< 1	72	4	100	< 2			
93DFS-652	201	229	< 5	1.2	32	< 2	20	< 1	< 1	154	4	52	< 2			
93DFS-653	201	229	< 5	5.6	194	16	41	< 1	< 1	790	82	130	12			
93DFS-654	201	229	< 5	0.4	74	< 2	12	< 1	< 1	266	12	50	3			
93DFS-655	201	229	< 5	1.8	82	2	24	< 1	< 1	148	8	58	7			
93DFS-656	201	229	< 5	0.2	28	< 2	18	< 1	< 1	46	< 2	44	2			
93DFS-657	201	229	< 5	< 0.2	22	< 2	17	< 1	< 1	32	2	46	< 2			
93DFS-658	201	229	< 5	0.2	26	< 2	27	< 1	< 1	58	4	46	21			
93DFS-659	201	229	< 5	0.2	54	< 2	21	< 1	< 1	20	2	50	< 2			

CERTIFICATION: Ivan Bruchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

Certificate Date: 22-SEP-93
Invoice No. : 19321240
P.O. Number :
Account : KXX

CERTIFICATE OF ANALYSIS A9321240

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm
93DFS-660	201 229	< 5	1.4	440	6	32	< 1	< 1	242	12	56	< 2
93DFS-661	201 229	< 5	0.2	54	< 2	34	< 1	< 1	46	4	82	< 2
93DFS-662	201 229	< 5	0.2	58	2	28	< 1	< 1	28	4	40	< 2
93DFS-663	201 229	< 5	1.2	52	2	34	< 1	< 1	86	4	62	6
93DFS-664	201 229	< 5	0.2	20	2	30	< 1	< 1	100	4	30	15
93DFS-665	201 229	< 5	< 0.2	30	2	18	< 1	< 1	64	2	22	< 2
93DFS-666	201 229	< 5	< 0.2	34	2	22	< 1	< 1	108	2	26	6
93DFS-667	201 229	< 5	0.4	40	2	24	< 1	< 1	102	4	48	2
93DFS-668	201 229	< 5	0.2	12	< 2	18	< 1	< 1	32	2	46	3
93DFS-669	201 229	< 5	1.6	48	2	23	< 1	< 1	316	2	104	18
93DFS-670	201 229	< 5	0.2	14	2	18	< 1	< 1	66	< 2	54	4
93DFS-671	201 229	< 5	0.2	10	< 2	12	< 1	< 1	72	< 2	28	< 2
93DFS-672	201 229	< 5	0.2	20	2	19	< 1	< 1	116	< 2	46	< 2
93DFS-673	201 229	20	0.4	14	< 2	25	< 1	< 1	40	< 2	52	< 2
93DFS-674	201 229	< 5	0.4	16	< 2	15	< 1	< 1	20	2	52	< 2
93DFS-675	201 229	< 5	0.2	24	< 2	14	< 1	< 1	22	2	58	< 2
93DFS-676	201 229	< 5	0.4	26	2	10	< 1	< 1	20	2	64	< 2
93DFS-677	201 229	< 5	< 0.2	18	2	24	< 1	< 1	70	< 2	70	< 2
93DFS-678	201 229	< 5	0.2	8	< 2	20	< 1	< 1	74	< 2	50	< 2
93DFS-679	201 229	< 5	< 0.2	14	< 2	21	< 1	< 1	80	2	46	4
93DFS-680	201 229	< 5	0.2	20	< 2	16	< 1	< 1	90	< 2	52	< 2
93DFS-681	201 229	10	0.2	16	< 2	19	< 1	< 1	46	< 2	62	< 2
93DFS-682	201 229	< 5	0.4	20	2	19	< 1	< 1	40	2	66	< 2
93DFS-683	201 229	15	0.4	22	< 2	12	< 1	< 1	48	< 2	46	< 2
93DFS-684	201 229	30	0.8	14	< 2	13	< 1	< 1	54	< 2	52	< 2
93DFS-685	201 229	10	0.2	20	< 2	13	< 1	< 1	18	2	68	< 2
93DFS-686	201 229	< 5	0.2	52	< 2	27	< 1	< 1	74	2	66	< 2
93DFS-687	201 229	< 5	0.2	34	< 2	12	< 1	< 1	48	< 2	52	< 2
93DFS-688	201 229	< 5	0.2	18	< 2	10	< 1	< 1	28	< 2	52	< 2
93DTS-186	201 229	< 5	0.2	8	< 2	8	< 1	< 1	38	2	36	< 2
93DTS-187	201 229	< 5	< 0.2	4	< 2	8	< 1	< 1	30	< 2	18	2
93DTS-188	201 229	10	< 0.2	16	2	18	< 1	< 1	46	2	32	3
93DTS-189	201 229	5	< 0.2	12	< 2	9	< 1	< 1	32	< 2	22	< 2
93DTS-190	201 229	< 5	< 0.2	2	< 2	13	< 1	< 1	58	< 2	20	< 2
93DTS-191	201 229	< 5	< 0.2	22	< 2	24	< 1	< 1	100	< 2	56	35
93DTS-192	201 229	< 5	0.2	18	< 2	21	< 1	< 1	64	< 2	40	2
93DTS-193	201 229	< 5	< 0.2	18	2	9	< 1	< 1	24	< 2	28	< 2
93DTS-194	201 229	< 5	< 0.2	16	< 2	11	< 1	< 1	20	< 2	32	< 2
93DTS-195	201 229	< 5	0.2	146	4	30	< 1	1	124	4	16	< 2
93DTS-196	201 229	< 5	0.4	114	2	41	< 1	< 1	30	4	82	2

CERTIFICATION: Stuart Bachlet

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.
1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

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Invoice No. :19321240
P.O. Number :
Account :KXX

CERTIFICATE OF ANALYSIS A9321240

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm			
93DTS-197	201	229	< 5	0.4	134	< 2	34	< 1	< 1	24	4	46	< 2			
93DTS-198	201	229	< 5	0.2	76	< 2	17	< 1	< 1	8	2	36	< 2			
93DTS-199	201	229	15	0.2	96	< 2	24	< 1	< 1	12	2	74	< 2			
93DTS-200	214	--	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
93DTS-201	201	229	< 5	0.2	68	< 2	29	< 1	< 1	20	4	80	< 2			
93DTS-202	201	229	< 5	0.8	648	2	29	< 1	< 1	338	14	78	< 2			
93DTS-203	201	229	< 5	0.4	100	2	24	< 1	< 1	28	4	72	< 2			
93DTS-204	201	229	< 5	0.4	76	2	16	< 1	< 1	26	6	60	< 2			
93DTS-205	201	229	< 5	0.2	68	2	12	< 1	< 1	34	4	48	< 2			
93DTS-206	201	229	< 5	0.2	90	< 2	22	< 1	< 1	20	4	60	< 2			
93DTS-207	201	229	< 5	0.2	222	2	25	1	< 1	22	6	76	< 2			
93DTS-208	201	229	< 5	< 0.2	26	< 2	2	< 1	< 1	12	< 2	20	< 2			
93DTS-209	201	229	< 5	0.2	30	2	22	< 1	< 1	18	2	66	< 2			
93DTS-210	201	229	< 5	0.2	26	< 2	14	< 1	< 1	6	2	46	< 2			
93DTS-211	201	229	< 5	0.2	28	< 2	9	< 1	< 1	6	< 2	36	< 2			
93DTS-212	201	229	< 5	0.2	40	< 2	12	< 1	< 1	10	2	74	< 2			
93DTS-213	201	229	< 5	0.2	36	2	15	< 1	< 1	6	< 2	72	< 2			
93DTS-214	201	229	< 5	< 0.2	24	< 2	12	< 1	< 1	10	2	50	< 2			
93DTS-215	201	229	< 5	0.2	12	2	10	< 1	< 1	4	< 2	52	< 2			
93DTS-216	201	229	< 5	< 0.2	18	< 2	8	< 1	< 1	12	< 2	60	< 2			
93DTS-217	201	229	< 5	0.2	24	< 2	15	< 1	< 1	8	2	72	< 2			
93DTS-218	201	229	< 5	0.2	40	2	15	< 1	< 1	8	2	74	< 2			
93DTS-219	201	229	< 5	0.2	42	< 2	14	< 1	< 1	12	2	70	< 2			
93DTS-220	201	229	< 5	0.2	82	2	10	< 1	< 1	16	< 2	82	< 2			
93DTS-221	201	229	< 5	0.2	40	< 2	15	< 1	< 1	12	2	76	< 2			
93DTS-222	201	229	< 5	0.2	198	< 2	20	< 1	< 1	22	4	54	< 2			
93DTS-223	201	229	< 5	0.2	110	2	14	< 1	< 1	14	2	58	< 2			
93DTS-224	201	229	< 5	0.2	48	2	8	< 1	< 1	12	2	60	< 2			
93DTS-225	201	229	45	0.2	260	2	23	< 1	< 1	60	8	46	< 2			
93DTS-226	201	229	20	0.2	264	2	28	< 1	< 1	12	2	66	< 2			
93DTS-227	201	229	< 5	0.2	330	< 2	13	< 1	< 1	8	2	68	< 2			
93DTS-228	201	229	< 5	0.2	162	< 2	11	< 1	< 1	20	4	62	< 2			
93DTS-229	201	229	< 5	0.4	148	2	15	< 1	< 1	26	4	70	< 2			
93DTS-230	201	229	< 5	0.4	112	< 2	18	< 1	< 1	26	4	52	< 2			
93DTS-231	201	229	< 5	0.6	88	< 2	16	< 1	< 1	12	4	60	< 2			
93DTS-232	201	229	< 5	0.2	42	2	11	< 1	< 1	10	2	60	< 2			
93DTS-233	201	229	< 5	0.2	56	< 2	12	< 1	< 1	10	< 2	42	< 2			
93DTS-234	201	229	< 5	0.2	220	< 2	20	< 1	< 1	14	6	58	< 2			
93DTS-235	201	229	< 5	0.2	110	2	21	< 1	< 1	12	6	54	< 2			
93DTS-236	201	229	< 5	0.4	56	2	18	1	< 1	8	4	54	< 2			

CERTIFICATION: Ian A Bucklan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

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Invoice No. : I9321240
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CERTIFICATE OF ANALYSIS A9321240

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm
93DTS-237	201 229	20	0.2	48	2	20	< 1	1	8	2	58	< 2
93DTS-238	201 229	< 5	< 0.2	32	2	16	< 1	1	20	< 2	40	< 2
93DTS-239	201 229	< 5	0.2	52	< 2	12	< 1	< 1	28	2	38	< 2
93DTS-240	201 229	< 5	0.4	18	2	24	< 1	< 1	54	2	78	< 2
93DTS-241	201 229	< 5	0.4	24	< 2	13	< 1	< 1	26	< 2	74	< 2
93DTS-242	201 229	15	0.8	20	< 2	17	< 1	< 1	78	2	78	< 2
93DTS-243	201 229	20	0.2	12	< 2	17	< 1	< 1	16	2	58	< 2
93DTS-244	201 229	< 5	0.2	2	< 2	15	< 1	< 1	32	< 2	46	< 2
93DTS-245	201 229	< 5	0.2	6	< 2	20	< 1	< 1	44	2	44	< 2
93DTS-246	201 229	< 5	0.2	6	< 2	16	< 1	< 1	42	< 2	46	< 2
93DTS-247	201 229	< 5	0.2	8	< 2	16	< 1	< 1	50	< 2	46	< 2
93DTS-248	201 229	< 5	0.4	6	< 2	18	< 1	< 1	58	< 2	44	< 2
93DTS-249	201 229	< 5	0.8	18	< 2	18	< 1	< 1	154	< 2	46	< 2
93DTS-250	214 --	335	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
93DTS-251	201 229	< 5	0.4	16	< 2	14	< 1	< 1	76	2	40	< 2
93DTS-252	201 229	< 5	0.4	12	< 2	16	< 1	< 1	42	< 2	56	12
93DTS-253	201 229	< 5	0.6	8	< 2	18	< 1	< 1	28	< 2	52	9
93DTS-254	201 229	< 5	0.6	16	< 2	14	< 1	< 1	46	2	40	< 2
93DTS-255	201 229	< 5	1.6	56	2	37	< 1	< 1	92	2	68	14
93DTS-256	201 229	10	1.6	180	4	30	1	1	112	8	90	< 2
93DTS-257	201 229	< 5	0.8	100	4	45	< 1	< 1	250	4	64	< 2
93DTS-258	201 229	< 5	0.8	46	4	20	< 1	< 1	88	2	58	2
93DTS-259	201 229	< 5	1.2	68	4	47	< 1	< 1	42	12	102	4
93DTS-260	201 229	< 5	0.2	28	2	15	< 1	< 1	56	2	58	2
93DTS-261	201 229	< 5	0.4	40	< 2	26	1	< 1	46	4	84	< 2
93DTS-262	201 229	< 5	0.4	18	2	7	< 1	< 1	22	< 2	50	< 2
93DTS-263	201 229	10	0.4	20	2	18	< 1	< 1	34	2	62	< 2
93DTS-264	201 229	< 5	0.6	18	2	15	< 1	< 1	18	< 2	48	< 2
93DTS-265	201 229	< 5	0.4	40	2	23	< 1	< 1	24	< 2	56	< 2
93DTS-266	201 229	< 5	0.4	26	2	16	1	< 1	32	2	82	< 2
93DTS-267	201 229	< 5	0.2	22	< 2	11	< 1	< 1	38	2	50	< 2
93DTS-268	201 229	< 5	< 0.2	20	2	12	< 1	< 1	20	< 2	36	< 2
93DTS-269	201 229	< 5	0.2	38	2	15	1	< 1	26	2	36	< 2
93DTS-270	201 229	10	0.2	40	< 2	21	< 1	< 1	40	2	46	< 2
93DTS-271	201 229	30	0.2	142	2	37	< 1	< 1	230	8	40	4
93DTS-272	201 229	10	0.4	50	2	16	< 1	< 1	70	2	46	< 2
93DTS-273	201 229	< 5	0.2	8	2	15	< 1	< 1	40	< 2	40	< 2
93DTS-274	201 229	< 5	0.2	2	2	11	< 1	< 1	20	< 2	28	< 2
93DTS-275	201 229	< 5	0.2	16	< 2	20	< 1	< 1	70	< 2	42	18
93DTS-276	201 229	< 5	< 0.2	< 2	< 2	10	< 1	< 1	48	< 2	16	< 2

CERTIFICATION: Frank Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.
1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: DAVE FLEMING

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm			
93DTS-277	201	229	< 5	< 0.2	4	< 2	14	< 1	< 1	62	2	34	< 2			
93DTS-278	201	229	10	0.2	12	< 2	13	< 1	< 1	26	< 2	44	< 2			
93DTS-279	201	229	< 5	1.4	20	< 2	7	1	< 1	18	< 2	36	< 2			
93DTS-280	201	229	< 5	0.2	10	2	12	1	< 1	54	2	36	7			

CERTIFICATION: David Bichler

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PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: JOE KAJSZO

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Invoice No. I-9321605
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Account :

CERTIFICATE OF ANALYSIS A9321605

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm			
93DCS-711	201	229	10	< 0.2	14	< 2	25	< 1	1	16	< 2	78	< 2			
93DCS-712	201	229	< 5	< 0.2	8	< 2	15	< 1	1	8	2	64	< 2			
93DCS-713	201	229	< 5	0.2	12	< 2	17	< 1	1	14	4	66	< 2			
93DCS-714	201	229	< 5	< 0.2	4	< 2	24	< 1	1	8	< 2	70	< 2			
93DCS-715	201	229	< 5	< 0.2	6	< 2	26	< 1	1	12	< 2	76	< 2			
93DCS-716	201	229	< 5	< 0.2	8	< 2	24	< 1	< 1	16	2	80	< 2			
93DCS-717	201	229	< 5	< 0.2	8	< 2	19	< 1	1	8	< 2	72	< 2			
93DCS-718	201	229	5	0.2	4	< 2	18	< 1	< 1	< 2	< 2	66	< 2			
93DCS-719	201	229	15	< 0.2	6	< 2	14	< 1	1	12	< 2	56	< 2			
93DCS-720	201	229	< 5	< 0.2	12	< 2	19	< 1	1	6	2	78	< 2			
93DCS-721	201	229	5	< 0.2	8	< 2	20	< 1	1	12	< 2	68	< 2			
93DCS-722	201	229	10	< 0.2	8	< 2	21	< 1	2	12	< 2	68	< 2			
93DCS-723	201	229	15	< 0.2	8	< 2	22	< 1	1	14	2	76	< 2			
93DCS-724	201	229	< 5	< 0.2	4	< 2	12	< 1	< 1	12	< 2	54	< 2			
93DCS-725	201	229	5	< 0.2	10	< 2	20	< 1	1	14	2	74	< 2			
93DCS-726	201	229	15	< 0.2	6	< 2	29	< 1	1	16	< 2	76	< 2			
93DCS-727	201	229	< 5	< 0.2	8	< 2	15	< 1	1	20	< 2	56	< 2			
93DCS-728	201	229	10	< 0.2	8	< 2	23	< 1	1	12	4	58	< 2			
93DCS-729	201	229	< 5	< 0.2	12	< 2	22	< 1	1	20	2	50	< 2			
93DCS-730	201	229	< 5	< 0.2	16	< 2	24	< 1	1	20	< 2	74	< 2			
93DCS-731	201	229	5	< 0.2	10	< 2	22	< 1	< 1	12	2	68	< 2			
93DCS-732	201	229	< 5	< 0.2	8	< 2	24	< 1	1	18	2	58	< 2			
93DCS-733	201	229	< 5	< 0.2	2	< 2	21	< 1	1	12	< 2	70	< 2			
93DCS-734	201	229	< 5	< 0.2	2	< 2	22	< 1	1	12	< 2	72	< 2			
93DCS-735	201	229	< 5	< 0.2	2	< 2	25	< 1	1	6	2	74	< 2			
93DCS-736	201	229	< 5	< 0.2	2	< 2	31	< 1	< 1	22	2	74	< 2			
93DCS-737	201	229	< 5	< 0.2	2	< 2	19	< 1	1	12	2	58	< 2			
93DCS-738	201	229	< 5	0.2	2	< 2	43	< 1	2	28	2	92	< 2			
93DCS-739	201	229	< 5	< 0.2	2	< 2	29	< 1	1	16	< 2	72	< 2			
93DCS-740	201	229	< 5	< 0.2	2	< 2	17	< 1	1	12	< 2	72	< 2			
93DCS-741	201	229	< 5	< 0.2	2	< 2	29	< 1	1	20	4	78	< 2			
93DCS-742	201	229	15	< 0.2	2	< 2	28	< 1	1	8	2	70	< 2			
93DCS-743	201	229	< 5	< 0.2	6	< 2	24	< 1	1	18	< 2	70	< 2			
93DCS-744	201	229	5	< 0.2	4	< 2	16	< 1	< 1	18	< 2	52	< 2			
93DCS-745	201	229	< 5	< 0.2	2	< 2	23	< 1	< 1	8	2	58	< 2			
93DCS-746	201	229	< 5	< 0.2	2	< 2	29	< 1	< 1	18	2	74	< 2			
93DCS-747	201	229	< 5	< 0.2	2	< 2	21	< 1	< 1	12	< 2	60	< 2			
93DCS-748	201	229	< 5	< 0.2	2	< 2	19	< 1	1	8	< 2	60	< 2			
93DCS-749	201	229	< 5	< 0.2	4	< 2	19	< 1	< 1	12	< 2	64	< 2			
93DCS-750	214	--	1530	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: JOE KAJSZO

Certificate Date 29-SEP-93
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CERTIFICATE OF ANALYSIS A9321605

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm
93DCS-751	201	229	< 5	0.2	2	< 2	20	< 1	1	14	< 2	64	< 2
93DCS-752	201	229	< 5	< 0.2	4	< 2	19	< 1	1	14	< 2	62	< 2
93DCS-753	201	229	< 5	< 0.2	6	< 2	16	< 1	< 1	12	2	68	< 2
93DCS-754	201	229	< 5	< 0.2	6	< 2	19	< 1	< 1	12	< 2	64	< 2
93DCS-755	201	229	< 5	< 0.2	6	< 2	10	< 1	1	2	< 2	42	< 2
93DCS-756	201	229	< 5	< 0.2	4	< 2	22	< 1	1	12	< 2	76	< 2
93DCS-757	201	229	< 5	< 0.2	4	< 2	13	< 1	1	10	2	60	< 2
93DCS-758	201	229	< 5	< 0.2	4	< 2	15	< 1	1	12	< 2	64	< 2
93DCS-759	201	229	10	< 0.2	6	< 2	15	< 1	1	12	< 2	64	< 2
93DCS-760	201	229	< 5	< 0.2	4	< 2	19	< 1	< 1	12	< 2	56	< 2
93DCS-761	201	229	< 5	< 0.2	4	< 2	17	< 1	1	14	< 2	64	< 2
93DCS-762	201	229	5	< 0.2	6	< 2	15	< 1	1	12	< 2	64	< 2
93DCS-763	201	229	< 5	< 0.2	8	< 2	19	< 1	1	14	< 2	72	< 2
93DCS-764	201	229	< 5	< 0.2	10	< 2	18	< 1	1	14	< 2	66	< 2
93DCS-765	201	229	10	< 0.2	8	< 2	12	< 1	1	12	< 2	54	< 2
93DFS-689	201	229	< 5	< 0.2	8	< 2	13	< 1	1	12	< 2	52	< 2
93DFS-690	201	229	< 5	0.4	14	< 2	14	< 1	1	14	4	40	< 2
93DFS-691	201	229	< 5	0.4	20	< 2	16	< 1	1	6	2	50	< 2
93DFS-692	201	229	< 5	< 0.2	4	< 2	8	< 1	1	6	< 2	46	< 2
93DFS-693	201	229	< 5	< 0.2	10	< 2	15	< 1	1	16	2	54	< 2
93DFS-694	201	229	< 5	< 0.2	18	< 2	21	< 1	1	12	2	62	< 2
93DFS-695	201	229	< 5	0.2	10	< 2	16	< 1	1	16	< 2	54	< 2
93DFS-696	201	229	< 5	< 0.2	16	< 2	16	< 1	1	18	< 2	54	< 2
93DFS-697	201	229	< 5	< 0.2	6	< 2	11	< 1	1	10	< 2	52	< 2
93DFS-698	201	229	< 5	< 0.2	2	< 2	12	< 1	1	16	< 2	44	< 2
93DFS-699	201	229	< 5	< 0.2	6	< 2	20	< 1	1	18	< 2	62	< 2
93DFS-700	214	--	1480	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
93DFS-701	201	229	< 5	0.2	4	2	11	< 1	< 1	12	< 2	50	< 2
93DFS-702	201	229	< 5	< 0.2	14	< 2	22	< 1	1	20	< 2	60	< 2
93DFS-703	201	229	< 5	< 0.2	12	< 2	22	< 1	< 1	22	< 2	60	< 2
93DFS-704	201	229	< 5	< 0.2	4	< 2	8	< 1	1	16	< 2	36	< 2
93DFS-705	201	229	< 5	0.8	44	< 2	9	< 1	3	26	6	32	< 2
93DFS-706	201	229	< 5	< 0.2	8	< 2	21	< 1	1	26	< 2	48	< 2
93DFS-707	201	229	< 5	< 0.2	14	< 2	29	< 1	1	26	< 2	72	< 2
93DFS-708	201	229	< 5	< 0.2	< 2	< 2	21	< 1	< 1	20	< 2	54	< 2
93DFS-709	201	229	< 5	< 0.2	< 2	< 2	22	< 1	1	22	< 2	54	< 2
93DFS-710	201	229	< 5	< 0.2	4	< 2	23	< 1	1	18	< 2	54	< 2
93DFS-711	201	229	< 5	< 0.2	8	< 2	20	< 1	1	18	< 2	46	< 2
93DFS-712	201	229	< 5	< 0.2	< 2	< 2	18	< 1	1	16	2	54	< 2
93DFS-713	201	229	< 5	< 0.2	12	< 2	14	< 1	1	18	< 2	72	< 2

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1800 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

Project : DUBLIN GULCH
Comments: ATTN: JOE KAJSZO

Certificate Date 29-SEP-93
Invoice No. I-9321605
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9321605

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm	Sn ppm			
93DFS-714	201	229	< 5	< 0.2	8	< 2	9	< 1	1	18	< 2	82	< 2			
93DFS-715	201	229	< 5	< 0.2	4	< 2	22	< 1	1	20	< 2	70	< 2			
93DFS-716	201	229	< 5	< 0.2	10	< 2	18	< 1	1	16	< 2	66	< 2			
93DFS-717	201	229	< 5	< 0.2	10	< 2	11	< 1	1	16	< 2	58	< 2			
93DFS-718	201	229	< 5	< 0.2	4	< 2	9	< 1	1	18	< 2	46	< 2			
93DFS-719	201	229	< 5	< 0.2	2	< 2	17	< 1	< 1	16	< 2	58	< 2			
93DFS-720	201	229	< 5	< 0.2	8	< 2	17	< 1	1	16	< 2	42	< 2			
93DFS-721	201	229	< 5	< 0.2	2	< 2	10	< 1	1	16	< 2	42	< 2			
93DFS-722	201	229	< 5	< 0.2	6	< 2	15	< 1	1	20	< 2	66	< 2			
93DFS-723	201	229	< 5	< 0.2	6	< 2	9	< 1	1	16	< 2	30	< 2			
93DFS-724	201	229	< 5	< 0.2	4	< 2	18	< 1	1	20	< 2	58	< 2			
93DFS-725	201	229	< 5	< 0.2	2	< 2	17	< 1	1	18	< 2	62	< 2			
93DFS-726	201	229	< 5	0.2	8	< 2	26	< 1	1	14	< 2	72	< 2			
93DFS-727	201	229	< 5	< 0.2	10	< 2	26	< 1	1	22	< 2	70	< 2			
93DFS-728	201	229	25	< 0.2	6	< 2	14	< 1	1	18	2	38	< 2			
93DFS-729	201	229	< 5	< 0.2	12	< 2	11	< 1	2	20	2	44	< 2			
93DFS-730	201	229	15	< 0.2	16	< 2	11	< 1	1	18	2	52	< 2			
93DFS-731	201	229	10	< 0.2	18	< 2	14	< 1	1	26	2	48	< 2			
93DFS-732	201	229	< 5	< 0.2	12	< 2	17	< 1	1	14	< 2	60	< 2			
93DFS-733	201	229	< 5	< 0.2	8	< 2	18	< 1	1	18	2	70	< 2			
93DFS-734	201	229	< 5	< 0.2	16	< 2	18	< 1	8	54	4	30	< 2			
93DFS-735	201	229	< 5	0.2	16	< 2	13	< 1	3	50	4	34	< 2			
93DFS-736	201	229	< 5	< 0.2	4	< 2	20	< 1	1	12	< 2	50	< 2			
93DFS-737	201	229	15	< 0.2	4	< 2	15	< 1	1	16	< 2	46	< 2			
93DFS-738	201	229	< 5	< 0.2	14	2	23	< 1	1	18	2	54	< 2			
93DFS-739	201	229	< 5	< 0.2	< 2	< 2	16	< 1	1	22	< 2	48	< 2			

CERTIFICATION: _____

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : IVANHOE CAPITAL CORP.
#1900 355 BURRARD STREET
VANCOUVER, B.C.

Project: DUBLIN GULCH
Type of Analysis: Geochemical

Certificate: 93150
Invoice:
Date Entered: 93-08-24
File Name: IVA93150
Page No.: 3

PRE FIX	SAMPLE NAME	PPM Sn
	R 91668	15
	R 91669	18
	R 91671	5
	R 91674	15
	R 91677	2
	R 91680	5
	R 91683	5
	R 91686	2
	R 91689	2
	R 91692	10
	R 91695	2
	R 91698	12
	R 91702	5
	R 91705	2
	R 91708	5
	R 91709	10
	R 91710	10
	R 91711	24
	R 91712	8
	R 91713	2
	R 91714	15
	R 92403	20
	R 92404	8
	R 92405	30
	R 92406	8
	R 92407	5
	R 92408	5
	R 92409	2
	R 92410	2
	R 92411	5
	R 92412	8
	R 92413	8
	R 92414	5
	R 92415	5
	R 92416	5
	R 92417	5
	R 92418	5
	R 92419	2
	R 92420	5
	R 92421	2

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Invoice:
Date Entered: 93-08-24
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Page No.: 4

PRE FIX	SAMPLE NAME	PPM Sn
	R 92424	5
	R 92425	5
	R 92426	5
	R 92427	20
	R 92428	5
	R 92430	5
	R 92433	2
	R 92436	15
	R 92439	10
	R 92442	5
	R 92445	12
	R 92448	15
	R 92452	2
	R 92455	8
	R 92458	5
	R 92461	5
	R 92464	8
	R 92467	2
	R 92470	2
	R 92473	5
	R 92476	5
	R 92479	5
	R 92482	8
	R 92483	8
	R 92484	20
	R 92485	18
	R 92486	12
	R 92487	5
	R 92488	5
	R 92491	10
	R 92494	5
	R 92497	2
	R 92501	5
	R 92504	5
	R 92507	8
	R 92510	5
	R 92513	15
	R 92516	2
	R 92519	5
	R 92522	10

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PRE FIX	SAMPLE NAME	PPM Sn
	R 91668	15
	R 91669	18
	R 91671	5
	R 91674	15
	R 91677	2
	R 91680	5
	R 91683	5
	R 91686	2
	R 91689	2
	R 91692	10
	R 91695	2
	R 91698	12
	R 91702	5
	R 91705	2
	R 91708	5
	R 91709	10
	R 91710	10
	R 91711	24
	R 91712	8
	R 91713	2
	R 91714	15
	R 92403	20
	R 92404	8
	R 92405	30
	R 92406	8
	R 92407	5
	R 92408	5
	R 92409	2
	R 92410	2
	R 92411	5
	R 92412	8
	R 92413	8
	R 92414	5
	R 92415	5
	R 92416	5
	R 92417	5
	R 92418	5
	R 92419	2
	R 92420	5
	R 92421	2

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PRE FIX	SAMPLE NAME	PPM Sn
	R 92424	5
	R 92425	5
	R 92426	5
	R 92427	20
	R 92428	5
	R 92430	5
	R 92433	2
	R 92436	15
	R 92439	10
	R 92442	5
	R 92445	12
	R 92448	15
	R 92452	2
	R 92455	8
	R 92458	5
	R 92461	5
	R 92464	8
	R 92467	2
	R 92470	2
	R 92473	5
	R 92476	5
	R 92479	5
	R 92482	8
	R 92483	8
	R 92484	20
	R 92485	18
	R 92486	12
	R 92487	5
	R 92488	5
	R 92491	10
	R 92494	5
	R 92497	2
	R 92501	5
	R 92504	5
	R 92507	8
	R 92510	5
	R 92513	15
	R 92516	2
	R 92519	5
	R 92522	10

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VANCOUVER, B.C.

Project: DUBLIN GULCH
Type of Analysis: Geochemical

Certificate: 93150
Invoice:
Date Entered: 93-08-24
File Name: IVA93150
Page No.: 5

PRE FIX	SAMPLE NAME	PPM Sn
	R 92525	8
	R 92528	5
	R 92531	8
	R 92534	2
	R 92537	8
	R 92540	5
	R 92543	12
	R 92546	5
	R 92549	5
	R 92552	2
	R 92555	8
	R 92558	10
	R 92562	12
	R 92565	2
	R 92567	5
	R 92570	5
	R 92573	5
	R 92576	5
	R 92579	5
	R 91804	8
	R 91807	5
	R 91810	5
	R 91813	5
	R 91816	5
	R 91819	32
	R 91820	8
	R 91821	50
	R 91822	5
	R 91823	5
	R 91824	5
	R 91826	8
	R 91829	5
	R 93080	2
	R 93083	10
	R 93086	5
	R 93089	10
	R 93092	2
	R 93095	5
	R 93098	8
	R 93102	32

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To : IVANHOE CAPITAL CORP.
#1900 355 BURRARD STREET
VANCOUVER, B.C.

Project: DUBLIN GULCH
Type of Analysis: Geochemical

Certificate: 93150
Invoice:
Date Entered: 93-08-24
File Name: IVA93150
Page No.: 6

PRE FIX	SAMPLE NAME	PPM Sn
	R 93105	8
	R 93107	10
	R 93709	8
	R 93712	8
	R 93715	8
	R 93718	5
	R 93721	5
	R 93724	8
	R 93727	5
	R 93730	8
	R 93733	5
	R 93736	2
	R 93742	5
	R 93745	5
	R 93746	10
	R 93752	10
	R 93755	8
	R 93758	5
	R 93761	5
	R 93764	5
	R 93767	8
	R 93770	5
	R 93052	8
	R 93055	5
	R 93058	5
	R 93061	5
	R 93064	2
	R 93067	5
	R 93070	2
	R 93073	5
	R 93076	2

CERTIFIED BY : J. Rossbach

ROSSBACHER LABORATORY LTD.

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

CERTIFICATE OF ANALYSIS

To : IVANHOE CAPITAL CORP.
#1900 355 BURRARD STREET
VANCOUVER, B.C.

Project: DUBLIN GULCH
Type of Analysis: Geochemical

Certificate: 93150
Invoice: 40226
Date Entered: 93-08-24
File Name: IVA93150
Page No.: 7

PRE FIX	SAMPLE NAME	PPM Sn
	R 91488	10
	R 91489	15
	R 91490	8
	R 91491	5
	R 91492	5
	R 91493	2
	R 91494	8
	R 91495	8
	R 91496	5
	R 91497	10
	R 91498	10
	R 91499	2
	R 91501	2
	R 91502	2
	R 91503	5
	R 91504	5
	R 91505	5
	R 91506	5
	R 91507	8
	R 91508	NSS
	R 91509	NSS

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ROSSBACHER LABORATORY LTD.

2225 Springer Ave., Burnaby,
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To : IVANHOE CAPITAL CORP.
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VANCOUVER, B.C.

Project: DUBLIN GULCH
Type of Analysis: Geochemical

Certificate: 93150
Invoice: 40226
Date Entered: 93-08-24
File Name: IVA93150
Page No.: 7

PRE FIX	SAMPLE NAME	PPM Sn
	R 91782	4
	R 91783	12
	R 91784	8
	R 91785	5
	R 91786	2
	R 91787	12
	R 91788	5
	R 91789	12
	R 91790	8
	R 91791	10
	R 91792	12
	R 91793	16
	R 91794	2
	R 91795	2
	R 91796	5
	R 91797	5
	R 91798	2
	R 91799	18
	R 91800	NA
	R 91801	10
	R 91802	12
	R 91803	20

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APPENDIX III

STATISTICAL ANALYSIS

Correlation matrix: (99.0 - undefined)
[Number of samples per variable pair]

Dublin Gulch

- log to base 10 -

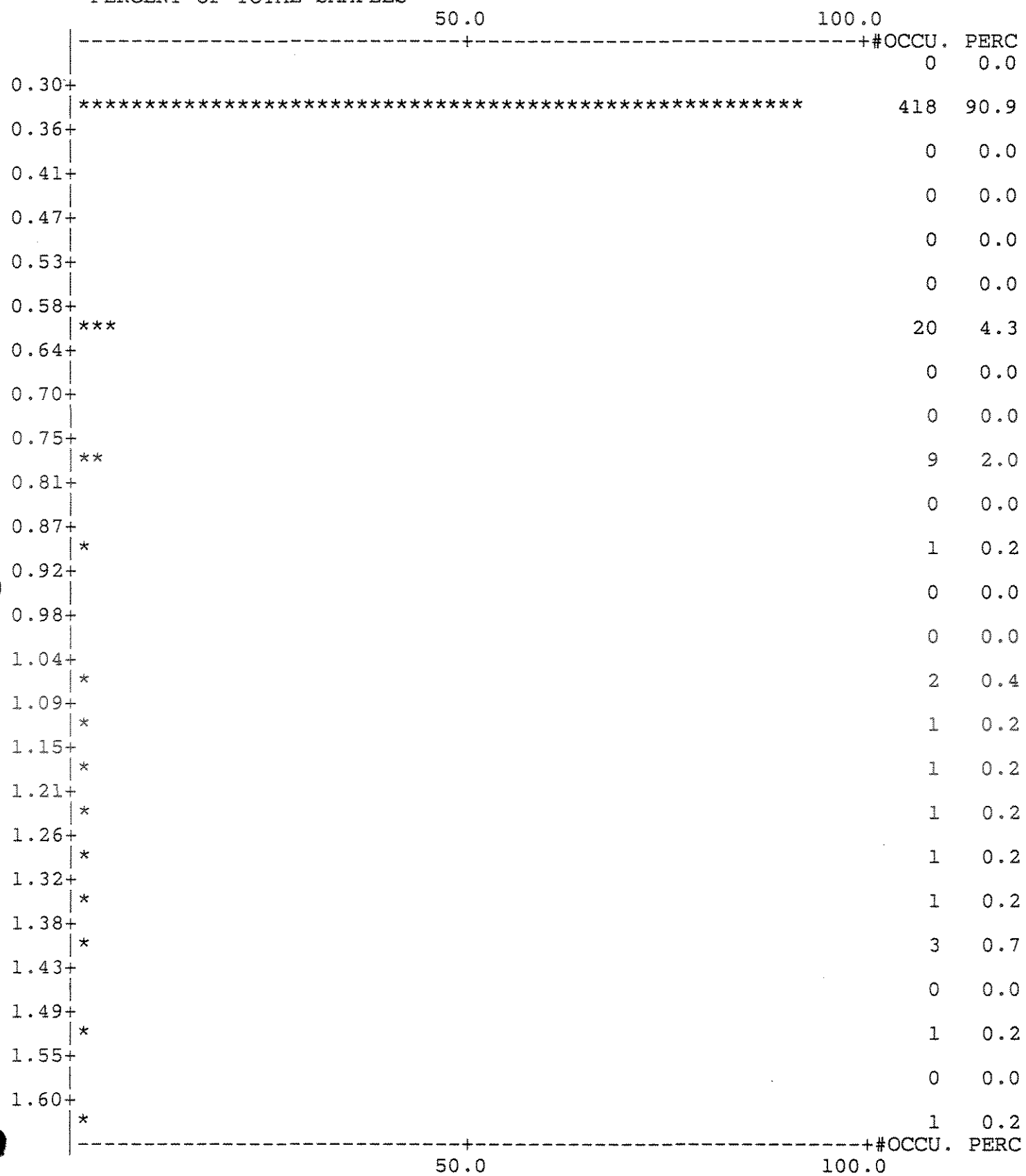
	Au	Ag	As	Bi	Cu	Hg					Sn
Au	1.000 [460]	0.123 [460]	0.287 [460]	0.155 [460]	0.094 [460]	99.000 [460]					0.156 460]
Ag	0.123 [460]	1.000 [460]	0.130 [460]	0.693 [460]	0.638 [460]	99.00([460					0.333 [460]
As	0.287 [460]	0.130 [460]	1.000 [460]	0.525 [460]	0.205 [460]	99.000 [460]	-0.029 [460]	[460]	[460]	[460]	0.089 [460]
Bi	0.155 [460]	0.693 [460]	0.525 [460]	1.000 [460]	0.533 [460]	99.000 [460]	-0.019 [460]	0.568 [460]	0.678 [460]	0.297 [460]	0.357 [460]
Cu	0.094 [460]	0.638 [460]	0.205 [460]	0.533 [460]	1.000 [460]	99.000 [460]	-0.026 [460]	0.343 [460]	0.377 [460]	0.616 [460]	0.183 [460]
Hg	99.000 [460]	99.000 [460]	99.00 [460]	99.000 [460]	99.00 [460]	99.000 [460]	99.000 [460]	99.000 [460]	99.000 [460]	99.000 [460]	99.000 [460]
Mo	-0.023 [460]	-0.015 [460]	-0.029 [460]	-0.019 [460]	-0.026 [460]	99.000 [460]	1.000 [460]	-0.002 [460]	-0.013 [460]	-0.082 [460]	-0.014 [460]
Pb	0.102 [460]	0.729 [460]	0.189 [460]	0.568 [460]	0.343 [460]	99.000 [460]	-0.002 [460]	1.000 [460]	0.708 [460]	0.337 [460]	0.281 [460]
Sb	0.156 [460]	0.564 [460]	0.211 [460]	0.678 [460]	0.377 [460]	99.000 [460]	-0.013 [460]	0.708 [460]	1.000 [460]	0.296 [460]	0.331 [460]
Zn	-0.024 [460]	0.469 [460]	0.108 [460]	0.297 [460]	0.616 [460]	99.000 [460]	-0.082 [460]	0.337 [460]	0.296 [460]	1.000 [460]	0.143 [460]
Sn	0.156 [460]	0.333 [460]	0.089 [460]	0.357 [460]	0.183 [460]	99.000 [460]	-0.014 [460]	0.281 [460]	0.331 [460]	0.143 [460]	1.000 [460]

VARIABLE : LOG BI
COLUMN NUMBER : 15

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.301
MAXIMUM	:	1.602
MEAN	:	0.351
STANDARD ERROR OF MEAN	:	0.009
STANDARD DEVIATION	:	0.184
COEFFICIENT OF VARIATION	:	52.390
SKEWNESS	:	4.363
KURTOSIS	:	20.122

Var : LOG BI Col# 15
D.Limit : 0.0000 [*]= 1.7% of Total

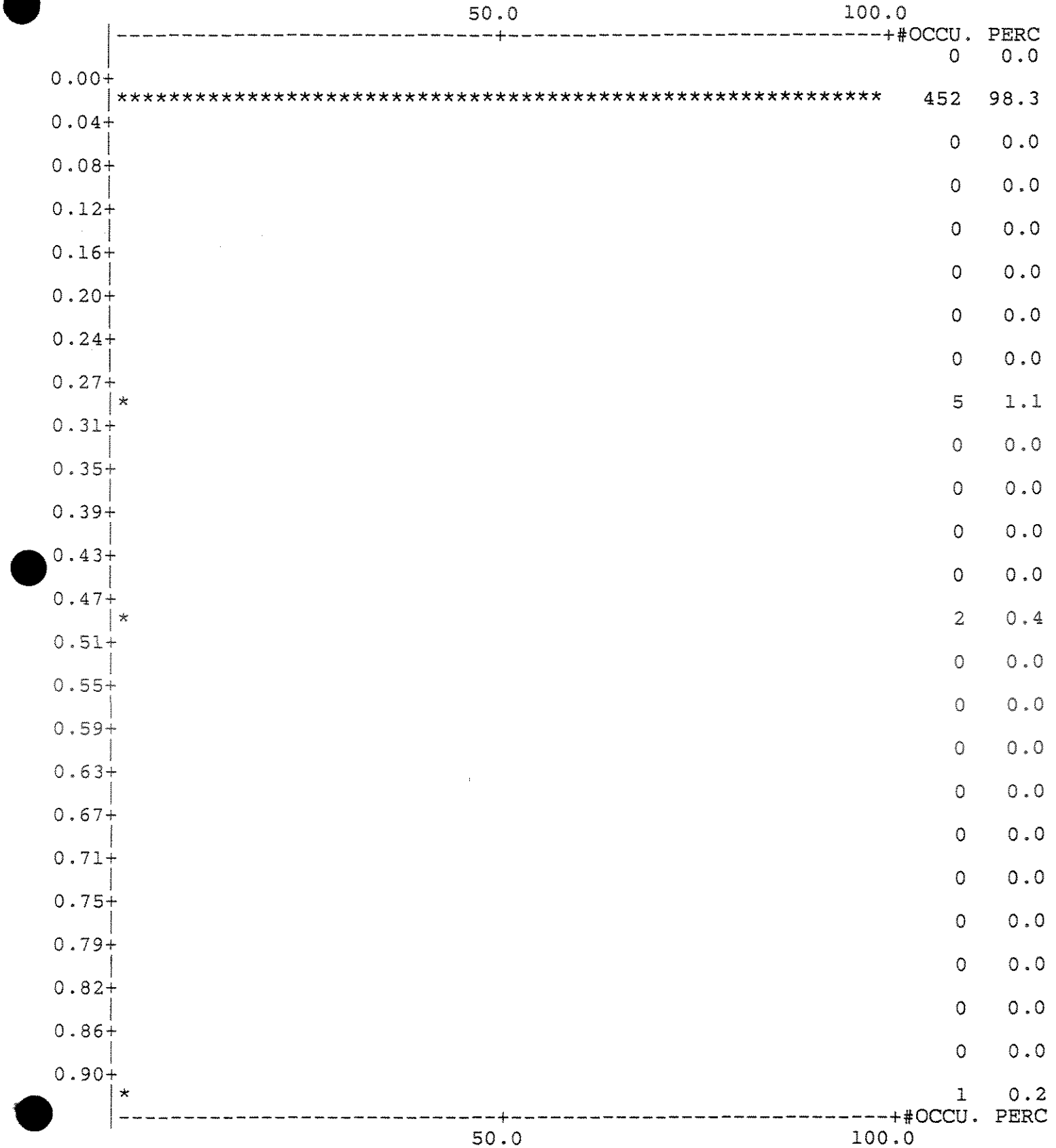


VARIABLE : LOG MO
COLUMN NUMBER : 18

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.000
MAXIMUM	:	0.903
MEAN	:	0.007
STANDARD ERROR OF MEAN	:	0.003
STANDARD DEVIATION	:	0.061
COEFFICIENT OF VARIATION	:	832.408
SKEWNESS	:	10.159
KURTOSIS	:	120.471

Var : LOG MO Col# 18
D.Limit : 0.0000 [*]= 1.7% of Total

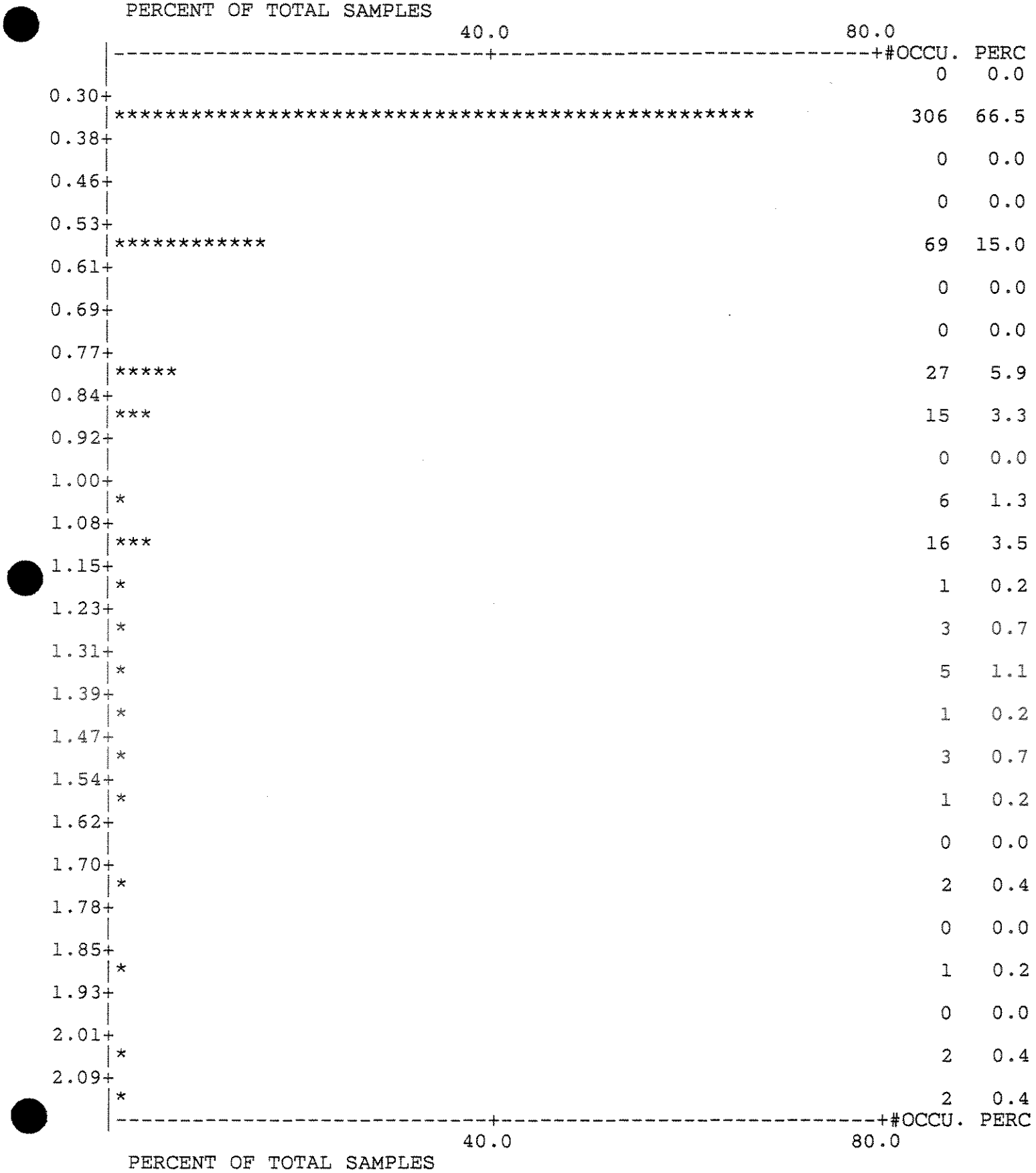


VARIABLE : LOG SB
COLUMN NUMBER : 20

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.301
MAXIMUM	:	2.086
MEAN	:	0.489
STANDARD ERROR OF MEAN	:	0.015
STANDARD DEVIATION	:	0.331
COEFFICIENT OF VARIATION	:	67.841
SKEWNESS	:	2.217
KURTOSIS	:	5.487

Var : LOG SB Col# 20
D.Limit : 0.0000 [*]= 1.3% of Total

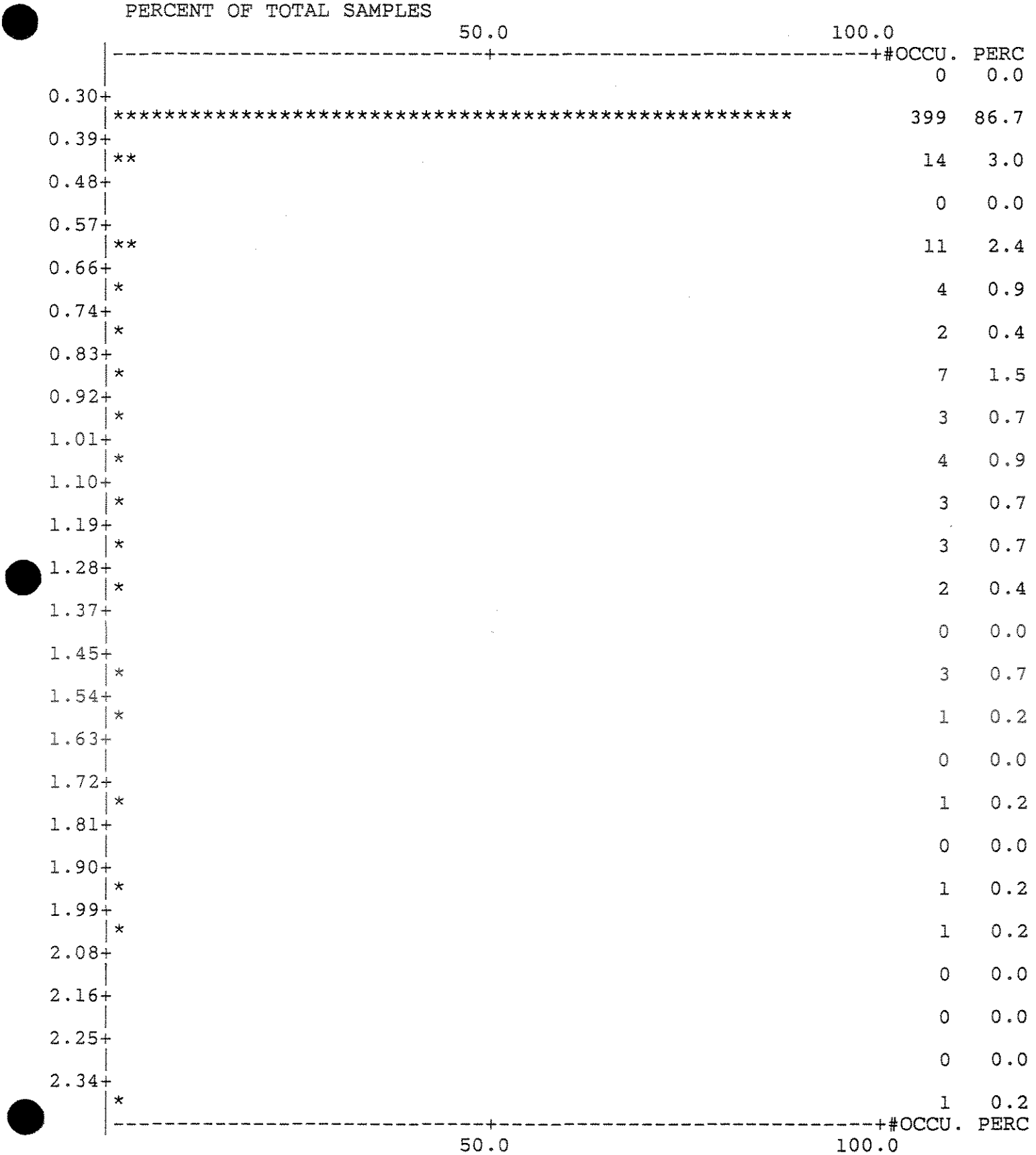


VARIABLE : LOG SN
COLUMN NUMBER : 22

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.301
MAXIMUM	:	2.342
MEAN	:	0.380
STANDARD ERROR OF MEAN	:	0.012
STANDARD DEVIATION	:	0.258
COEFFICIENT OF VARIATION	:	67.766
SKEWNESS	:	4.134
KURTOSIS	:	19.290

Var : LOG SN Col# 22
D.Limit : 0.0000 [*]= 1.7% of Total

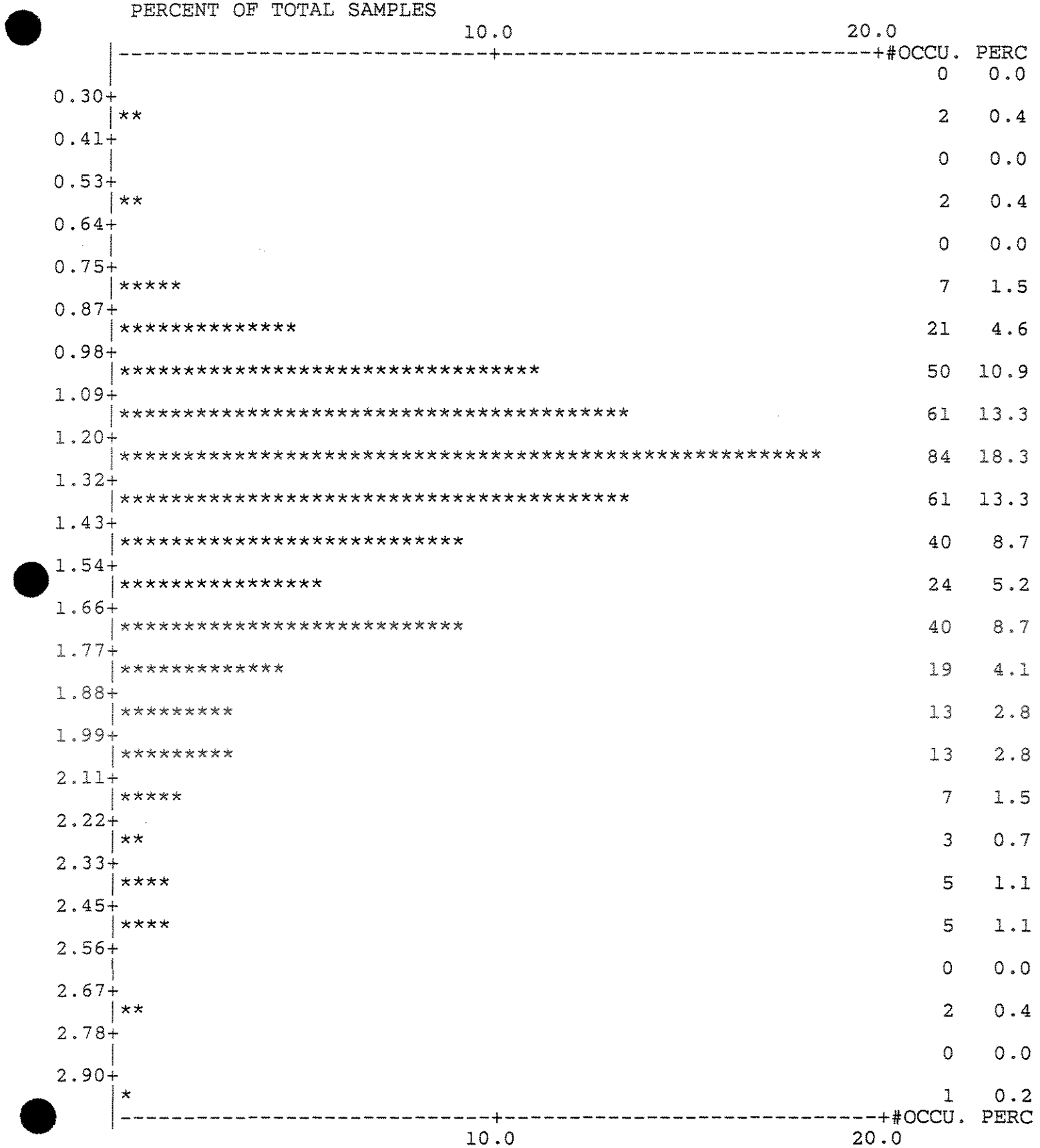


VARIABLE : LOG PB
COLUMN NUMBER : 19

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.301
MAXIMUM	:	2.898
MEAN	:	1.413
STANDARD ERROR OF MEAN	:	0.017
STANDARD DEVIATION	:	0.369
COEFFICIENT OF VARIATION	:	26.127
SKEWNESS	:	0.881
KURTOSIS	:	1.508

Var : LOG PB Col# 19
D.Limit : 0.0000 [*]= 0.3% of Total

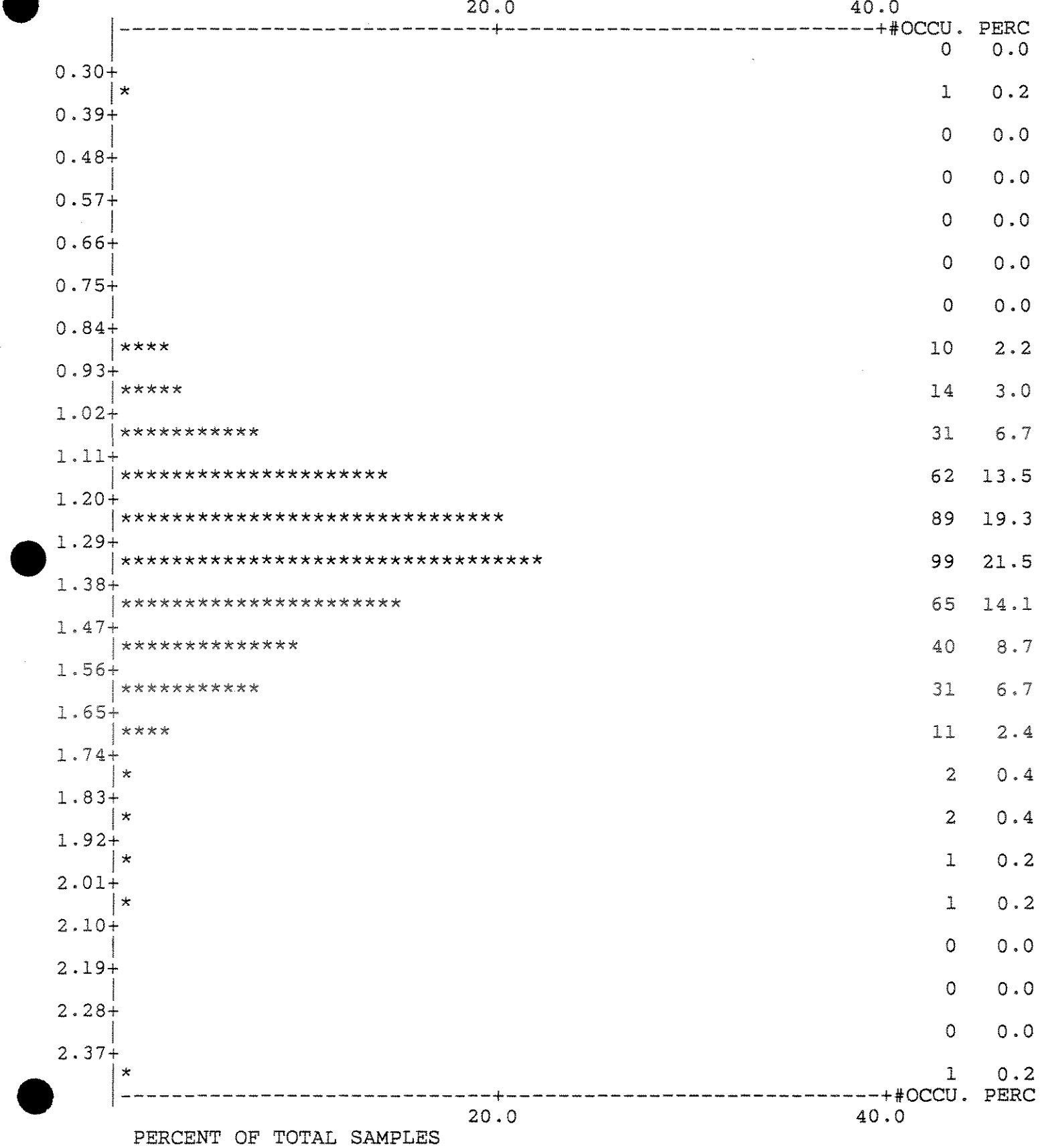


VARIABLE : LOG CU
COLUMN NUMBER : 16

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.301
MAXIMUM	:	2.375
MEAN	:	1.318
STANDARD ERROR OF MEAN	:	0.009
STANDARD DEVIATION	:	0.203
COEFFICIENT OF VARIATION	:	15.404
SKEWNESS	:	0.244
KURTOSIS	:	2.667

Var : LOG CU Col# 16
D.Limit : 0.0000 [*]= 0.7% of Total

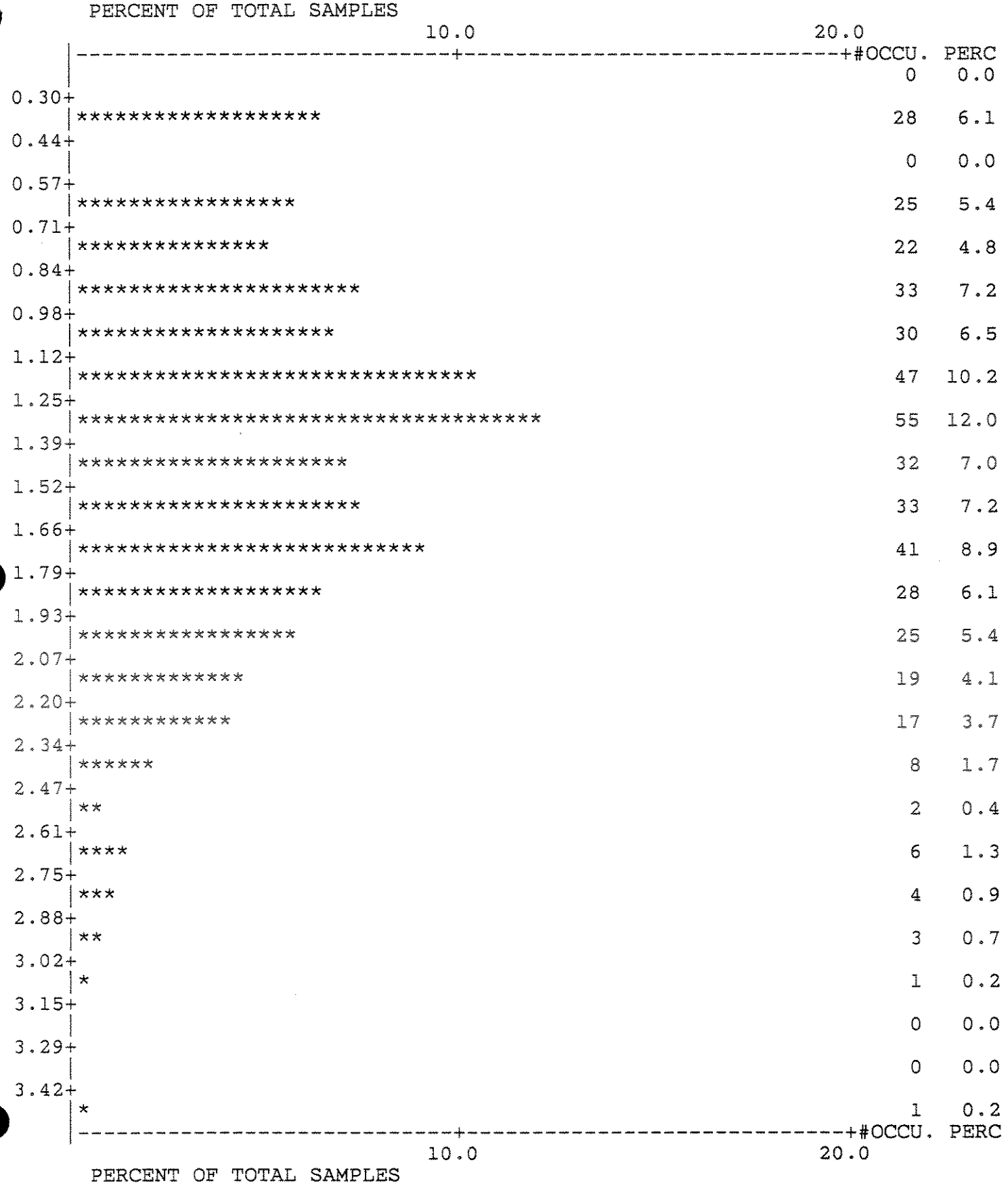


VARIABLE : LOG AS
COLUMN NUMBER : 14

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.301
MAXIMUM	:	3.425
MEAN	:	1.406
STANDARD ERROR OF MEAN	:	0.027
STANDARD DEVIATION	:	0.588
COEFFICIENT OF VARIATION	:	41.806
SKEWNESS	:	0.237
KURTOSIS	:	-0.100

Var : LOG AS Col# 14
D.Limit : 0.0000 [*]= 0.3% of Total

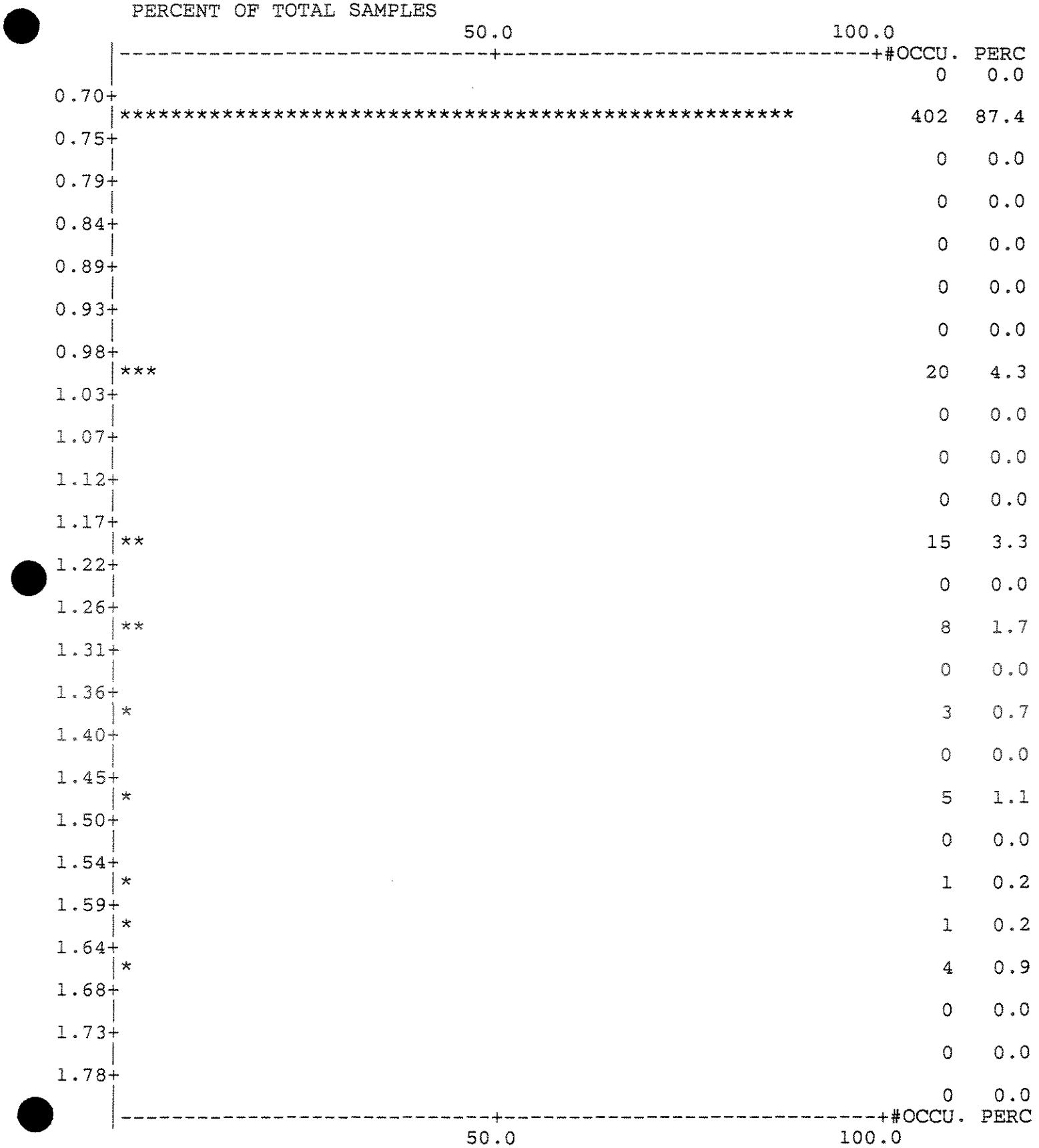


VARIABLE : LOG AU
COLUMN NUMBER : 12

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	0.699
MAXIMUM	:	1.778
MEAN	:	0.766
STANDARD ERROR OF MEAN	:	0.009
STANDARD DEVIATION	:	0.192
COEFFICIENT OF VARIATION	:	25.078
SKEWNESS	:	3.029
KURTOSIS	:	8.691

Var : LOG AU Col# 12
D.Limit : 0.0000 [*]= 1.7% of Total

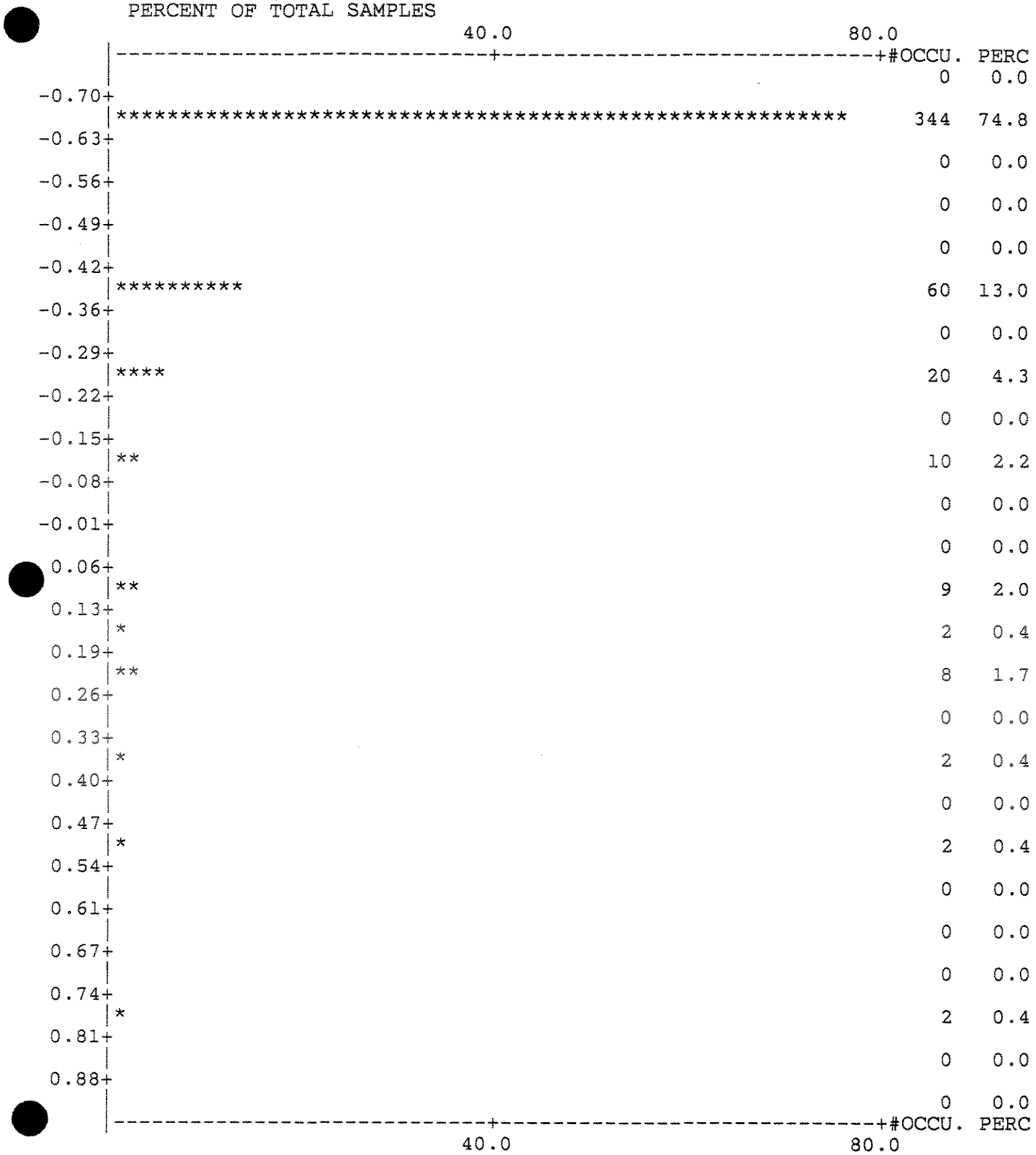


VARIABLE : LOG AG
COLUMN NUMBER : 13

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	-0.699
MAXIMUM	:	0.881
MEAN	:	-0.571
STANDARD ERROR OF MEAN	:	0.012
STANDARD DEVIATION	:	0.263
COEFFICIENT OF VARIATION	:	-46.065
SKEWNESS	:	2.480
KURTOSIS	:	6.715

Var : LOG AG Col# 13
D.Limit : 0.0000 [*]= 1.3% of Total

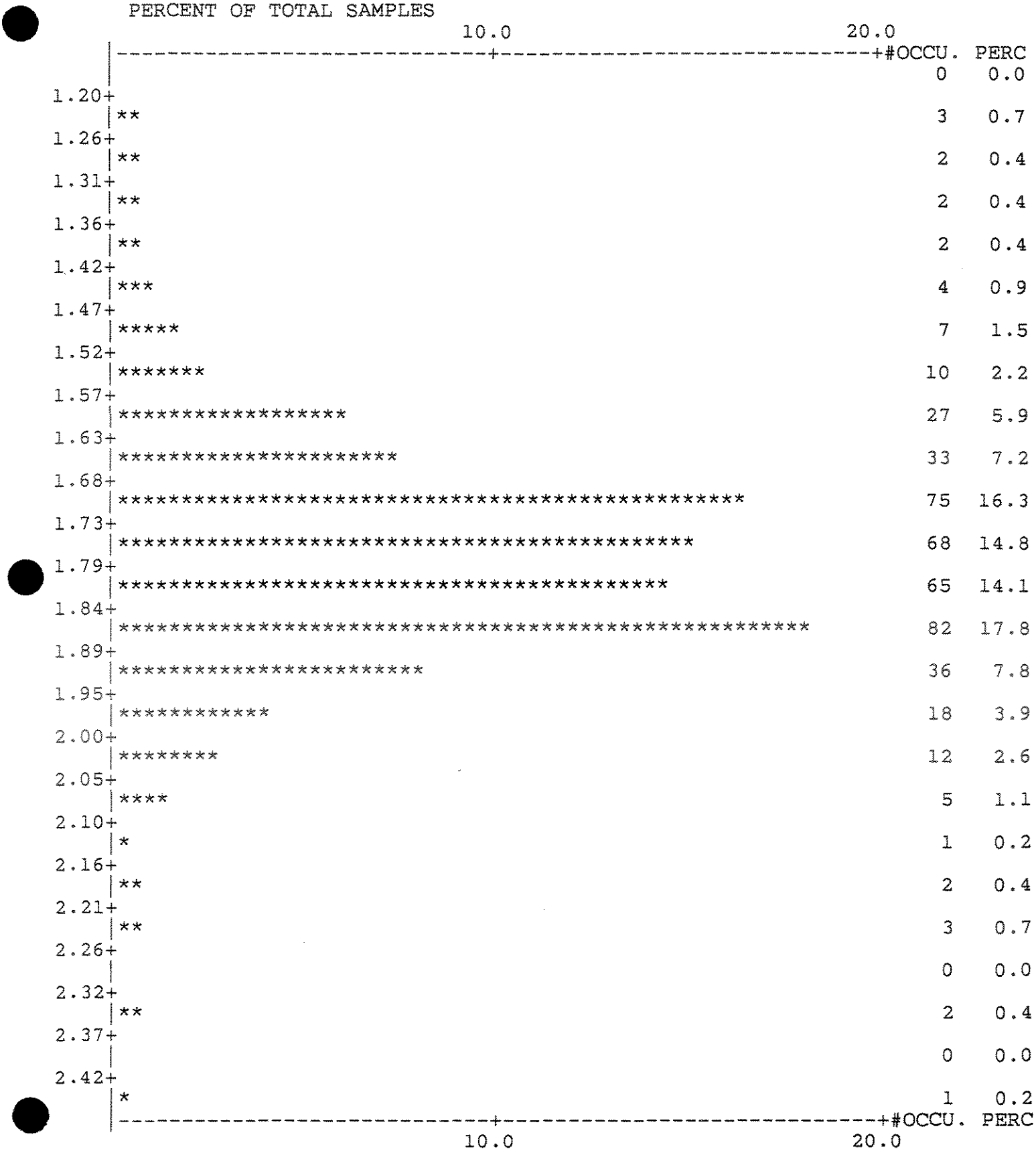


VARIABLE : LOG ZN
COLUMN NUMBER : 21

DETECTION LIMIT : 0.0000

NUMBER OF OBSERVATIONS	:	460
MINIMUM	:	1.204
MAXIMUM	:	2.422
MEAN	:	1.783
STANDARD ERROR OF MEAN	:	0.007
STANDARD DEVIATION	:	0.153
COEFFICIENT OF VARIATION	:	8.575
SKEWNESS	:	-0.084
KURTOSIS	:	2.427

Var : LOG ZN Col# 21
D.Limit : 0.0000 [*]= 0.3% of Total



APPENDIX IV

STATEMENT OF COSTS

Geochemical Soil Survey, September 1 - 7, 1993

Analysis	- Chemex invoices I9321240, I9321239, I9321605 (460 samples)	$6,311.99
	- Rossbacher Invoice 40226 (230 samples)	$1,230.50
Shipping	- 3D Transport invoices	
Wages	- 10 mandays @ $200.00/manday	$2,000.00
Truck	- 2 trucks for 2 days @ $40/day	$160.00
Supplies	- (flagging, topfil, sample bags)	$200.00
Drafting and Report writing, 5 days @ $200.00/day		$1,000.00
Camp Costs	- 10 mandays @ $50.00/day	$500.00
TOTAL		$11,690.89

Note: For the purpose of filing assessment, a cost per sample of $22.74 for 1993 samples and $5.35 for 1992 samples was calculated. Value of work per claim group was prorated according to the number of samples within each group.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER I9321240

BILLING INFORMATION

Date: 23-SEP-93
Project: DUBLIN GULCH
P.O. No.:
Account: KXX

Comments: BLT-93444V

Billing: For analysis performed on Certificate A9321240

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	SAMPLE PRICE	AMOUNT
161	201 - Dry, sieve to -80 mesh		1.10		
	ICP-9g		5.50		
	100 - Au ppb	FA+AA	7.95		
	19 - Sn	ppm	5.00	19.55	3147.55
3	214 - Rcvd as pulp; mesh size checked		0.30		
	100 - Au ppb	FA+AA	7.95	8.25	24.75

Total Cost $	3172.30
Client Discount $	-1110.31
Net Cost $	2061.99
(Reg# R100938885) GST $	144.34
TOTAL PAYABLE (CDN) $	**2206.33**

#2

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

COPY

INVOICE NUMBER I9321239

BILLING INFORMATION

Date: 23-SEP-93
Project: DUBLIN GULCH
P.O. No.:
Account: KXX

Comments: BLT-93444V

Billing: For analysis performed on Certificate A9321239

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	SAMPLE PRICE	AMOUNT
195	201 - Dry, sieve to -80 mesh		1.10		
	ICP-9g		5.50		
	100 - Au ppb	FA+AA	7.95		
	19 - Sn	ppm	5.00	19.55	3812.25
5	214 - Rcvd as pulp; mesh size checked		0.30		
	100 - Au ppb	FA+AA	7.95	8.25	41.25

Total Cost $	3853.50
Client Discount $	-1348.73
Net Cost $	2504.77
(Reg# R100938885) GST $	175.33
TOTAL PAYABLE (CDN) $	**2680.10**

RECEIVED SEP 27 1993

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: IVANHOE GOLDFIELDS LTD.

1900 - 355 BURRARD ST.
VANCOUVER, BC
V6C 2G8

INVOICE NUMBER I9321605

BILLING INFORMATION

Date: 29-SEP-93
Project: DUBLIN GULCH
P.O. No.:
Account: KXX

Comments: BLT93444V

Billing: For analysis performed on Certificate A9321605

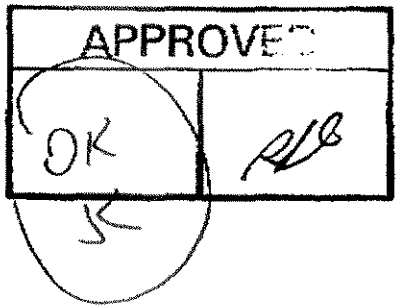
Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	SAMPLE PRICE	AMOUNT
104	201 - Dry, sieve to -80 mesh		1.10		
	ICP-9g		5.50		
	100 - Au ppb	FA+AA	7.95		
	19 - Sn	ppm	5.00	19.55	2033.20
2	214 - Rcvd as pulp; mesh size checked		0.30		
	100 - Au ppb	FA+AA	7.95	8.25	16.50

Total Cost $	2049.70
Client Discount $	-717.40
Net Cost $	1332.30
(Reg# R100938885) GST $	93.26
TOTAL PAYABLE (CDN) $	1425.56



...SBACHER LABORATORY LTD.

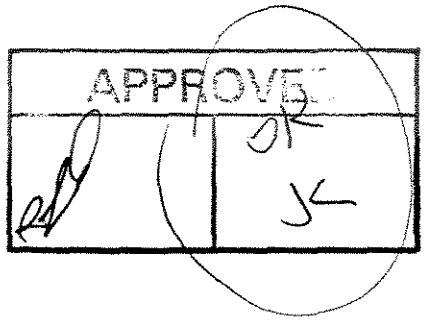
2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : IVANHOE CAPITAL CORP.
#1900 355 BURRARD STREET
VANCOUVER, B.C.
Project: DUBLIN GULCH

Invoice: 40226
Certificate: 93150
Date Entered: 93-08-24

INVOICE

Quantity	Description	Unit Price	Sub Total		Total
230	Pulp samples preparation	N/C	0.00		
230	Geochemical analysis for Sn	5.00	1150.00		
			---------	$	1150.00



RECEIVED SEP 2 1 1993

G.S.T. (#R104631668) @ 7% 80.50

GRAND TOTAL $ 1230.50

TERMS - NET 14 DAYS

ROSSBACHER LABORATORY LTD.

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-8910 Fax:299-6252

TO: IVANHOE CAPITAL CORP.
#1900 355 BURRARD STREET
VANCOUVER, B.C.
Project: DUBLIN GULCH

Invoice: *40226*
Certificate: 93150
Date Entered: 93-08-24

INVOICE

Quantity	Description	Unit Price	Sub Total		Total
230	Pulp samples preparation	N/C	0.00		
230	Geochemical analysis for Sn	5.00	1150.00		
			---------	$	1150.00

Approved for payment
Tony Hutchins 001-501095

G.S.T. (#R104631668) @ 7% 80.50

GRAND TOTAL $ **1230.50**

TERMS - NET 14 DAYS

15 Ketza Road
Whitehorse, Yukon
Y1A 3V3
Phone: (403) 667-7051
Fax: (403) 633-5280

OUR NUMBER 49618

DATE OCTOBER 1, 1993

CUSTOMER'S ORDER

SALESMAN

TERMS

F.O.B.

TAX REG. NO. GST R 109936575

SOLD TO IVANHOE GOLDFIELDS

SHIP TO

ADDRESS VIA

INVOICE

QUANTITY	DESCRIPTION		PRICE		AMOUNT	
SEPT 7	#2179 FROM CON AIR	1.05	16	05	16	05
	~~#8412~~ TO CHEMEX BTS 19250	18.90	288	40	304	45
.12	#8504 FROM CON AIR CA 91.97	2.15	125	12	429	57
		22.10				

RECEIVED OCT 6 1993

BLUELINE · DC 31

DALE KINNEY
15 KETZA ROAD
WHITEHORSE, YUKON
Y1A 3V3

3D TRANSPORT

PHONE: [403] 667-7051
MOBILE: DAWSON YS3 9086
JJ3 9497
FAX: (403) 633-5280

No. 003412

STRAIGHT BILL OF LADING - ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

Carrier's No. _____

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Original Bill of Lading, at Mayo YT [Point of Origin if other than Whitehorse, Y.T.] Sept 7 [Date] 19 93

From Ivanhoe Goldfields Box 219 Mayo Y.T [Shipper]

The goods described below, in apparent good order, except as noted (contents and conditions of packages unknown), marked, consigned, and destined as shown below, which said Carrier agrees to carry and deliver to said Consignee at said destination, if on its own route otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said goods over all or any portion of said route to destination and as to each party at any time interested in all or any of said goods, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, and which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to Chemex Bo Labs

Destination 212 Brooksbank Ave North Vancouver B.C.

Route Byers

No. Pieces	DESCRIPTION OF ARTICLES AND SPECIAL MARKS	Gross Weight Subject to Correction	Rate	Freight Charges	Circle Prepay or Collect	Prepay	Collect
17	bags of rock samples	1100 lbs					
					Storage Charge		
					Connecting Carriers Charges		
					Dangerous Goods Charge		
					C.O.D. Service Charge		
					C.O.D. Amount		
					Freight Charges		
					Protective Service Charge		
					G.S.T.		
	G.S.T. #R109936575				TOTAL		
	DECLARED VALUE $ _____						

Delivering Driver _____ Date _____

NOTE: - Articles will not be accepted for shipment unless properly packaged, and addressed
- Carrier Maximum liability not to exceed $2.00 per pound unless value declared.
- Claims must be received in writing within 7 days of delivery.

Received in Good Order _____

Shipper Tony Hawkins

Per Ivanhoe Goldfields

Carrier _____

Per _____

The shipper certifies the shipment does not contain any goods identified as dangerous by the Federal Transportation of Dangerous Goods Act, except as noted above.

APPENDIX V

STATEMENT OF QUALIFICATIONS AND PERSONNEL EMPLOYED IN THE SURVEY

Statement of Qualifications

I, Cyrill N. Orssich of Ivanhoe Goldfields Ltd. do hereby certify that:

(1) I am a graduate of Carleton University, Colonel By Drive, Ottawa Ontario with an Honours Bachelor of Science degree majoring in Geology, 1981.

(2) I have practiced my profession as a Geologist from 1981 to 1988 and 1991 to present.

(3) I have no interest, direct or indirect, in the Dublin Gulch property or shares in the companies involved.

(4) That the information contained in this report is both true and correct to the best of my knowledge.

Cyrill N. Orssich, B. Sc., P. Geo.
October 1993

The following are names and addresses of all persons employed in the survey.

Name	Address	Dates Employed	Qualifications
Dave Fleming	5435 Paton Drive Ladner, B.C. V4K 2G4	Sept. 5, 6, 7	BSc. Geology P.Geo. 15 years experience
Tony Hitchins	1648 Mayneview Terrace Sydney, B.C. V8L 5B2	Sept. 5, 6	BASc. Geological Engineering MSc. Geology 24 years experience
Bruno Kasper	2190 Pinecrest St. Coquitlam, B.C. V3J 6T6	Aug. 31 Sept. 5, 6	BSc. Geology 6 years experience
Cyrill Orssich	2146 E. 44th Ave. Vancouver, B.C. V5P 1N2	Sept 5, 7	Honours B.Sc. Geology P.Geo. 11 years experience

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

TRANSMITTAL FORM

M.R. file no.

R.M.M.R. file no.

Date forwarded: 15 Nov. 93

From ▶ Mining Recorder at: Mayo

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: West, Sec 4 + W — Claim sheet no.: 106-d-4/105-m-13

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS NOV 19 1993 WHITEHORSE YUKON TERRITORY

Type of report: ~~Drilling~~ + ~~Trenching~~ Geochemistry | Submitted by: C.N. Orssich for Ivanhoe Goldfields Ltd.

Cls. work performed on: Drilling - Smoky 1, 3-4, DG 49, Trenching - Smoky 45+96E | $ req. for ren. application: ~~61,600.00~~ ~~$3,700.00~~ 10,000

Please return one numbered copy of Report and index card for our files.

J Graham
Signature

Date returned

REPLY ACTION

093142

I guess the transmittal forms were ~~the~~ mixed up. Sho so the geochem reports

needs approval

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
WHITEHORSE

NAME(S): Garnet (Ray Gulch) **NTS MAP SHEET:** 106 D 4
MINFILE #: 106D 027 **LATITUDE:** 64°01'41"N
MAJOR COMMODITIES: W **LONGITUDE:** 135°44'57"W
MINOR COMMODITIES: Au,Ag **DEPOSIT TYPE:** Skarn, vein
TECTONIC ELEMENT: McQuesten Plutonic Suite **STATUS:** Deposit

CLAIMS (PREVIOUS AND CURRENT)

TIP TOP, BATTY, PAN, ARPA, MAR, R & D, DG, JEFF, BOB, SMOKEY.

WORK HISTORY

Staked as Tip Top cl (55220) in Oct/42 by Harvey Ray, examined by Ventures L in 1942, and investigated by the GSC in 1942-44. Restaked in Aug/51 by R.A. Batty & E. Barker as Batty cl (61878), which were prospected and sampled in 1956 by Stride E & Dev CL. Mayo Silver ML staked claims on the east side of the gulch about 1960 and bulldozer trenched in 1963 or 1964. Restaked as Pan & Arpa cl (Y27203) in Sep/68 by C. Provencher as part of the adjoining Potato Hills property but not explored by the various optionees: Great Plains in 1968, Tam ML in 1969, Connaught ML and Canex Placer in 1969-71. Restaked as MAR cl (YA14897) in Mar/77 by Queenstake Res L, which conducted mapping and bulldozer trenching later in the year.

In 1978, Canada Tungsten Mg Corp L entered a joint venture with Queenstake, optioned the adjoining R & D group from Dublin Gulch Mg L and explored with extensive geochem and geophysical surveys in 1978, 1979 and 1981, trenching in 1981, 21 holes (2423 m) in 1979, 64 holes (11,278 m) in 1980, and 3 holes (751 m) plus additional mapping, geochem and VLF-EM surveys and trenching in 1982. Cantung dropped its option in 1986.

Optioned in Sep/91 by Amax Gold Inc., which explored with mapping, geochemistry, geophysics and 16 diamond drillholes totalling 2500 m. In 1992, Queenstake performed 1129.9 m of reverse circulation drilling on the R & D 2 and 16, Bob 1, Smoky 64, 65, 74 and 76 claims.

Ivanhoe Goldfields Ltd optioned the property in late 1992. The DG, Jeff, Bob, R & D, Mar, and several Smokey cl were transferred from Can Pro Development Ltd to Ivanhoe Goldfields Ltd in Mar/93. Ivanhoe Goldfields Ltd. performed reverse circulation drilling on the Smokey 3 and 4 cl and 96 Fr., and dug several test pits in decomposed bedrock on the R & D claims and the Olive crown grant in Sept/93. Samples were then screened, gravity concentrated and assayed. Ivanhoe also performed a soil survey on the West, Sec and DG claims in Sept/93.

GEOLOGY

Ray found large blocks of pale green, coarsely crystalline tremolite skarn float containing 2.7% to 3.3% scheelite. In 1943, the GSC located an outcropping zone 25 m thick in Late Proterozoic Hyland Group quartz-biotite schist, from which grab samples assayed 0.27% to 0.5% WO3. Mayo Silver ML traced arsenopyrite-quartz float to a narrow vein conformable with bedding, which assayed 69.3 g/t Au and 125.1 g/t Ag across 0.8 m.

The skarn showing was further explored in 1978 and found to average 12 m and reach 25 m in thickness. The skarn is composed of diopside, amphibole, epidote, minor magnetite and no sulphides. This zone, called the Garnet Zone, dips gently northwest towards the Potato Hills Stock. The 1979-80 drilling tested an area 1000 m long and 700 m wide and disclosed the presence of a buried tungsten deposit containing 7.26 million tonnes of 0.87% WO3. Eight separate mineralized horizons are present, of which the lower four contain a higher grade zone of 3.6 million tonnes grading 0.93% WO3. At least three of the mineralized horizons outcrop under shallow overburden but none appear in the Ray Gulch canyon.

The 1982 holes cut weak mineralization stratigraphically below the deposit. The best intersection (Hole 82-1) assayed 0.18% WO3 and 0.34 g/t Au over 0.8 m, as well as a 1.7 m section that ran 0.14% WO3.

The 1993 soil geochemistry outlined several anomalous areas, including two coincident Au, Sn, Pb, Zn, Sb, Bi anomalies overlying granodiorite intrusions and adjacent zones of fractured, limonitic quartzite.

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YUKON EXPLORATION AND GEOLOGY 1982, p. 180; 1983, p. 27; 1992, p. 2, 4, 5.

SEC CLAIM BOUNDARY FROM GOVERNMENT CLAIM MAP

93DFS739 15,<2 — 93DFS730 13,<2 — 25,<2 — 10,<2 — 93DFS720 — 93DFS710 — 93DFS701 — 93DFS699 — 93DCS711 — 93DCS732 — 93DCS751 — 93DCS749 — 93DCS765 10,<2 — 93DFS580 — 93DFS590 — 15,<2 — 93DFS574 — 20,<2 — 93DFS573 — 93DFS570 10,21 — <5,8 — <5,12 — 20,220 — <5,5 — 20,29 — 93DFS560 5,31 — 35,110 — 10,34 — 10,5 — 93DFS556 — 93DFS672 20,<2 — 93DFS680 10,<2 — 30,<2 — 15,<2 — 10,<2 — 20,<2 — 15,<2 — 93DTS240 — 93DFS688 — 93DTS245 — 10,<2 — 15,<2 — 15,<2 — 10,<2 — 15,<2

(7) (1) (5)

5 500 E — 6 000 E — 6 500 E — 7 000 E — 7 500 E — 458 000 E

7 107 000 N — 6 500 N — 6 000 N — 5 500 N — 5 000 N — 4 500 N — 4 000 N — 3 500 N — 7 103 000 N

93DFS673 — Sample Location and Number
20, <2 — Au (ppb), Sn (ppm)

(7) — Anomaly

SHEET INDEX

	3	2	1
4	5	6	7
11	10	9	8
12	13		

METRES 0 100 200 300 400

DWG 201

IVANHOE GOLDFIELDS LIMITED

DUBLIN GULCH PROPERTY

MAYO DISTRICT, YUKON TERRITORY

SOIL GEOCHEMISTRY

Au - Sn 093142

DATE: OCTOBER, 1993	SCALE: 1:5000	FIGURE NO. 3
DRAWN BY:		

93DTS226 20,<2 Sample site, sample number, analytical result (analytical results : Au ppb, Sn ppm)

Claim boundaries (from government claim map)

8 Anomaly

SHEET INDEX

	3	2	1
4	5	6	7
11	10	9	8
12	13		

METRES
0 100 200 300 400

DWG 202

IVANHOE GOLDFIELDS LIMITED

DUBLIN GULCH PROPERTY

MAYO DISTRICT, YUKON TERRITORY

093142

SOIL GEOCHEMISTRY

Au - Sn

DATE: OCTOBER, 1993	SCALE: 1 : 5000	FIGURE NO. 4
DRAWN BY:	REVISED: October, 1993	

7 103 000 N

458 000 E

8 500 E

9 000 E

9 500 E

2 500 N

2 000 N

1 500 N

1 000 N

850

900

950

1000

1050

800

93DBS580

93DBS590
15,2
<5,10

<5,15

93DBS599
<5,11

93DBS601

93DBS610

93DBS616

15,<2

x1004

x996

x1062

x1062

x1047

x1085

TIN DOME

x1079

x774

x885

x852

x839

Haggart Creek

Dublin Gulch

Ann Gulch

SHEET INDEX

	3	2	1
4	5	6	7
11	10	9	8
12	13		

⊙ 93DBS590 Sample Location and Number
15,2 Au (ppb), Sn (ppm)

METRES
0 100 200 300

IVANHOE GOLDFIELDS LIMITED

DUBLIN GULCH PROPERTY

MAYO DISTRICT, YUKON TERRITORY

093142

SOIL GEOCHEMISTRY

Au - Sn

DWG 203

DATE:	SCALE:	FIGURE NO.:
OCTOBER, 1993	1:5000	5
DRAWN BY:		