



Tim Callaghan – Resource and Exploration Geology



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BOLD HEAD MINE
RESOURCE ESTIMATE ADDENDUM
0.25% WO₃ CUT

Prepared for: King Island Scheelite Project.

This report is intended as an addendum to the previous report titled:

**BOLD HEAD MINE, GEOLOGY, RESOURCE ESTIMATE AND MINE
INFRASTRUCTURE DIGITAL MODEL,**

Tim Callaghan, July 2009



MAP CONVENTIONS

Unless otherwise stated, coordinates in for this report and in digital data associated with this report are in Bold Head Mine Grid (BHMG), a local grid established by Geopeko during the operation of the mine during the 1970,s.

No available documentation referring to the origin and projection of the BHMG has been established. A survey control report (TCR 70_0676) makes no mention of the BHMG but does reference survey control points in the district.

Reviewing historic documents suggest an approximate location of the grid origin as:

ISG Zone 55/3	BHMG
220 000E	39 950E
566 500N	10 000N

Rotation 20 degrees west of ISG north.

This information is **NOT** sufficient for the resumption of mining operations.

It is recommended that the reference point origin and projection of the BHMG be confirmed as a matter of urgency.

RL's in this report are MSL plus 1000m.

Cross sections are drawn looking north.



EXECUTIVE SUMMARY

Table 1 displays remnant resource estimates for the Bold Head Mine at 0.25% WO₃ and 0.50% WO₃ (Callaghan, 2009) cut offs.

Table 1. Bold Head Resource

Classification	0.50% WO ₃ Cut Off		0.25% WO ₃ Cut Off	
	Tonnes	WO ₃ %	Tonnes	WO ₃ %
Inferred	140,000	1.22	170,000	1.13
Indicated	1,500,000	0.93	2,300,000	0.73
Total	1,650,000	0.96	2,470,000	0.76

Whilst additional tonnes are added, the corresponding drop in grade only results in a net gain of 3000t WO₃, 75% of which are located below 150m from the surface.

As suggested in the previous report, (Callaghan, 2009) there is potential for the development of an open pit at the northern end of the deposit with remnant resource close to the surface. Table 2 outlines resources above the 1050m, 1000m and 950m levels, corresponding to a pit depth of 50m, 100m and 150m respectively at the two different cut off grades.

Table 2. Bold Head Resource by Level

	Classification	0.50% WO ₃ cut off			0.25% WO ₃ cut off		
		Tonnes	WO ₃ %	WO ₃ t	Tonnes	WO ₃ %	WO ₃ t
1050m Level	Indicated	110,000	0.98		170,000	0.78	
	Inferred	50,000	2.04		46,000	2.06	
	Total	160,000	1.29	2060	216,000	1.05	2270
1000m level	Indicated	290,000	0.87		509,000	0.68	
	Inferred	140,000	1.21		65,000	1.76	
	Total	430,000	0.98	4220	574,000	0.80	4600
950m level	Indicated	640,000	0.92		991,000	0.75	
	Inferred	310,000	1.06		80,000	1.53	
	Total	950,000	0.97	8650	1,071,000	0.81	9170

It is apparent that there is limited benefit in lowering the cut off below the first estimation at a 0.5% WO₃ cut off.

There are significant Inferred Resources above 1.0% WO₃ close to the surface that require more definition drilling.

Recommendations for follow up work as outlined in the previous report include:

- Confirm origin and projection of the Bold Head Mine Grid.
- Short drilling program confirming shallow mineralisation associated with the Boundary fault and B-lens at the north end of the Mine.
- Provide the block model and digital mine plan to a competent Mining Engineer to allow a pit optimization study for early mine development as well as investigating the potential for underground development.



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- QA/QC analysis.
- Bulk Specific gravity study.
- Conceptual targeting of additional resources between Bold Head and Grassy.



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1 INTRODUCTION

This report is an addendum to a more thorough report titled Bold Head Mine, Geology, Resource Estimate and Mine Infrastructure Digital Model (Callaghan, 2009). The first resource estimate at a 0.50% cut off indicated there exists significant resources available near surface that could be developed as an open cut operation. Consequently a request was made to investigate if additional resources were available at lower cutoffs, particularly near surface. Details of the Bold Head Mine Geology, data capture and digital mine model are documented in the previous resource report and are not repeated in this addendum.

The Bold Head Scheelite Mine is located in the southeastern corner of King Island, Tasmania. The Mine was originally operated by Geopeko Ltd. as a satellite mine for the larger Dolphin Mine and Mill located several kilometers to the south at Grassy.

The Bold Head Mine was closed in the mid 1980's due to declining market conditions. The deposit had been developed as a trackless LHD decline accessed mine with room and pillar and cut and fill stopes. On closure the remaining resources were estimated to be 1.8Mt @ 0.8-0.9% WO₃.

The King Island Scheelite Project is a Joint Venture between King Island Scheelite and Hunan Nonferrous Metals Corporation Ltd. The JV is currently investigating the potential of re-opening the Grassy Open Cut. The initial 10 year project involves expansion of the open cut to 180m depth necessitating the construction of a seawall. The initial project is expected to access 6.8Mt of ore grading 0.55% WO₃.

The author was requested to compile historic geological data and mine infrastructure into a digital format suitable for the operation and assessment of a modern mining operation. The Bold Head Mine may provide an early additional ore source during construction of the Grassy Open Pit and Seawall.

Final products included with this report are:

- Solid Models of Mineralisation Domains, 0.25% WO₃ (Surpac)
- Block Modeled Resource Estimate, 0.25% WO₃ (Surpac)

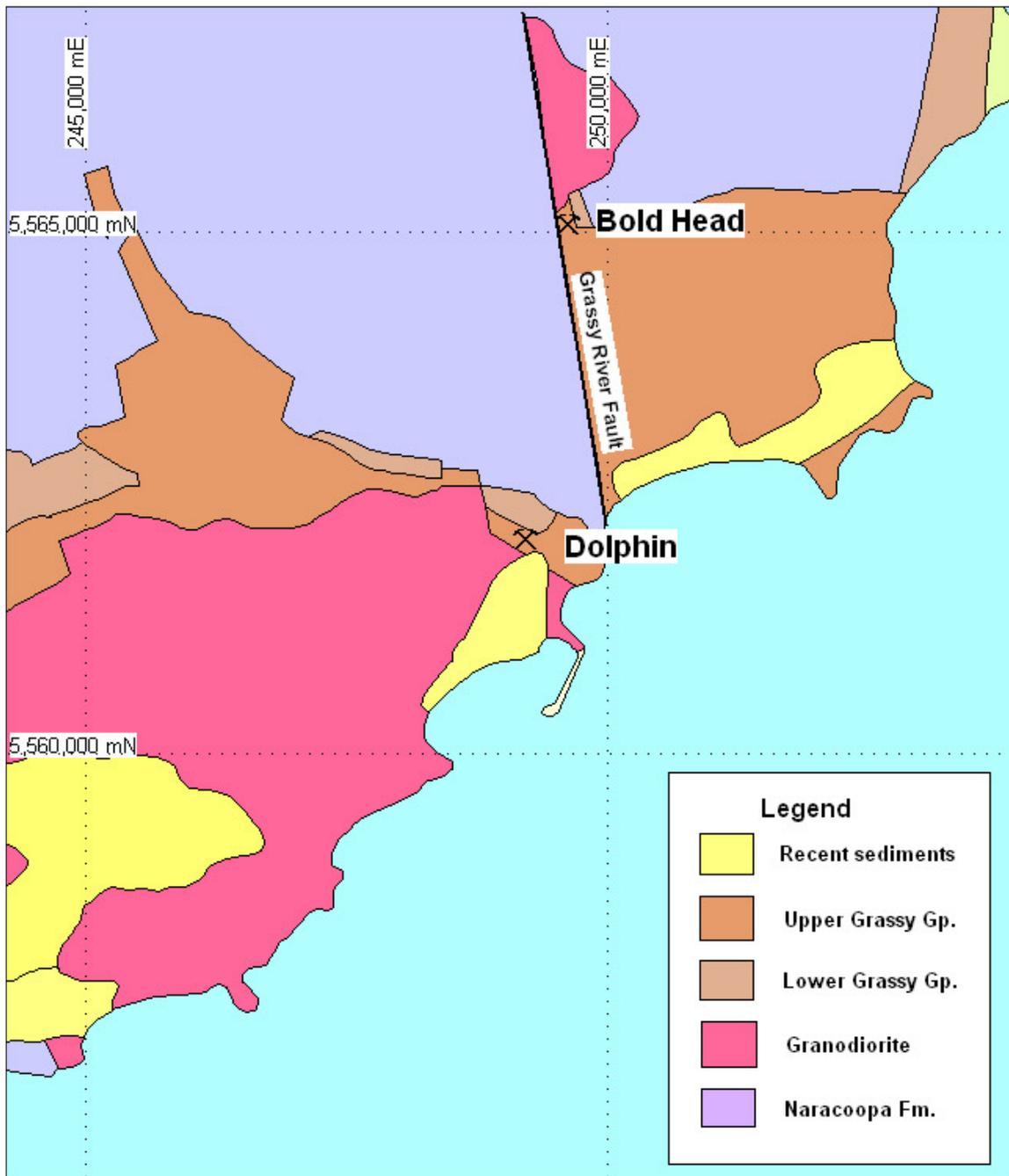


Figure 1. Bold Head Location Plan and Simplified Geology (Coordinates GDA94).



2 MINERAL RESOURCE ESTIMATION

The Bold Head Mineral Resource has been derived from a kriged block model created with Surpac™ software licensed to Tim Callaghan. The block model extends between 10100 and 10900N, 40150 and 40550E and 700 – 1150m RL.

2.1 GEOLOGICAL DOMAINING

Wire-framed solid models of geological and mineralisation domains were created from 25m and 12.5m spaced east west cross sections.

Mineralized WO₃ domains are delineated using a 0.25% cutoff and a minimum mining width of 3m as much as possible while maintaining geological continuity. Internal dilution was restricted to a maximum of 3m where possible. Solid models have been ‘snapped’ to drill holes where possible to accurately capture and model data and eliminate sectional projection inaccuracies.

Mineralised domains models are listed in Table 3.

Table 3. Mineralised Domains

Domain	Code	Database flag
C lens - main upper contact	c_main_u	10
C lens - main lower contact	c_main_l	9
Mineralized banded footwall beds, sth end	bfb_275	1
C lens - west upper contact	west_c_u	14
C lens – west lower contact	west_c_l	13
B lens - main upper contact	b_main_u	8
B lens - main lower contact	b_main_l	7
B lens - west upper contact	west_b_u	12
B lens – west lower contact	west_b_l	11
C lens – fault block lower contact	fault_c_l	6
C lens – fault block upper contact	fault_c_u	15
Boundary fault mineralisation	boundary_fault	3
B lens – fault block upper contact	fault_b_u	5
B lens – fault block lower contact	fault_b_l	4
Mineralized banded footwall beds, fault block	bfb_fault_350	2

2.2 COMPOSITING OF DATA

Data used for this estimation has been derived solely from DDH's.

DDH intercepts of solid models have been flagged with Surpac Software and relevant intervals stored in the access database. DDH data has been composited on 1m lengths.

Composites of less than 0.25m were not included in statistical studies or in the resource estimate.

Composited data is located as .csv files on the attached data disc in the appendices.



2.3 SAMPLE STATISTICAL STUDIES

Descriptive statistics and histograms of composited data for each domain are located in Appendix 2. All the data sets with greater than 200 samples demonstrate a mildly positively skewed sample distribution typical of low grade base-metal deposits. Mean values for domains with greater than 200 samples range between 0.7 and 1% WO₃. All domains have a coefficient of variation less than 1.2 with the exception of four. These four have been top cut to the values outlined in Table 4.

Table 4. Top cut data sets

Domain	CV	Percentile	Top Cut
C lens West – upper contact	1.58	97.5	2.7%
Boundary Fault Mineralisation	1.32	95	8%
C lens - Main Upper Contact	2.02	97.5	3.3%
Boundary Footwall Beds-275	1.21	97.5	3.5

2.4 VARIOGRAM MODELING

Variography of 1m composited data was modeled using Surpac Software. The five larger domains with sufficient data points were modeled. Variogram models are located in Appendix 3.

Most experimental variograms demonstrate good structure. Variogram models typically displayed low nugget effect with ranges of about 20-30m with the exception of C lens – Main Upper Contact which has a short range 8m.

2.5 RESOURCE ESTIMATION PROCEDURE.

The Bold Head Resource WO₃ grades have been interpolated into a blockmodel using an ordinary kriging algorithm. Block sizes were set at 10m x 10m x 10m with sub-celling to 1.25m in the x and z directions and 2.5m in the y direction.

Spherical variogram model parameters used for each domain are outlined in Table 5. Domains with smaller sample sets have been interpolated using parameters modeled for larger, similar domains.



Table 5. WO₃ Variogram Parameters (spherical and nested spherical models).

Domain	Nugget	Sill	Range	Major:semi	Major:minor
c_main_u west_c_u	0.09	0.49	8.5	1	1
c_main_l west_c_l bfb_275	0.05	0.61	17	1	1
b_main_u b_main_l west_b_u west_b_l	0.03	0.73	22.5	1	1
fault_c_l fault_c_u boundary_fault	0.07	0.59	33.6	1	1
fault_b_u fault_b_l	0	0.87	21.4	1	1
bfb_fault_350	0.08	0.58	33.7	1	1

Table 6. Search Neighborhood

Ellipse plunge	-15
Ellipse bearing	180
Ellipse dip	0
Search Radius	100m
Major:semi major ratio	1
Major:minor ratio	2
Discretisation points	3:3:3
Minimum No of samples	5
Maximum No of samples	20

2.6 SPECIFIC GRAVITY

As mentioned in the 0.5% WO₃ estimate, no specific gravity measurements were made for this estimate nor were any reports containing information concerning the specific gravity of the Bold Head mineralisation found. The Specific Gravity values used for the B and C lens at the Dolphin mine were applied to the Bold Head Mine as the geology is considered to be very similar.

This procedure is not of industry standard. Due to the variable nature of skarn formation it is likely there will be considerable variance in the bulk density of the ore.

It is recommended that specific gravity measurements be made during all subsequent drilling programs and the remaining core stored at MRT be accessed for specific gravity measurements

Specific Gravity factors applied for this estimate are:

B - Lens	SG = 3.1
C - Lens	SG = 3.4
Waste	SG = 2.9



3 RESULTS

The Bold Head Resource results are located in Table 7.

Table 7. Bold Head Resource

Classification	0.50% WO ₃ Cut Off		0.25% WO ₃ Cut Off	
	Tonnes	WO ₃ %	Tonnes	WO ₃ %
Inferred	140,000	1.22	170,000	1.13
Indicated	1,500,000	0.93	2,300,000	0.73
Total	1,650,000	0.96	2,470,000	0.76

As mentioned in the main report, the Remnant Resource includes areas that were not accessed by the time of mine closure particularly much of the south end of the deposit, western areas, and the upper levels of some stopes. There is also significant remnant resource in stope pillars, rib pillars and areas abandoned due to access difficulties. Some of these in the upper levels may be amenable to exploitation from an open pit. Remnant resources close to the mine workings at deeper levels are probably not recoverable with the exception of the resource remaining in crowns above working levels left after mine closure.

There remain significant resources close to the surface that may be exploitable from an open pit where all remnant pillars could potentially be recoverable. Decreasing the cut off grade to 0.25% WO₃ only provides minor additional WO₃ tonnes at higher levels. Table 8 demonstrates the tonnages available at 50m, 100m and 150m below the surface at both cut offs.

Table 8. Bold Head Resource by Level

	Classification	0.50% WO ₃ cut off			0.25% WO ₃ cut off		
		Tonnes	WO ₃ %	WO ₃ t	Tonnes	WO ₃ %	WO ₃ t
1050m Level	Indicated	110,000	0.98		170,000	0.78	
	Inferred	50,000	2.04		46,000	2.06	
	Total	160,000	1.29	2060	216,000	1.05	2270
1000m level	Indicated	290,000	0.87		509,000	0.68	
	Inferred	140,000	1.21		65,000	1.76	
	Total	430,000	0.98	4220	574,000	0.80	4600
950m level	Indicated	640,000	0.92		991,000	0.75	
	Inferred	310,000	1.06		80,000	1.53	
	Total	950,000	0.97	8650	1,071,000	0.81	9170

Figures 8 -10 demonstrate the remaining resources available above the 1050mRL (50m depth), 1000mRL (100m Depth) and 950mRL (150m depth) respectively.



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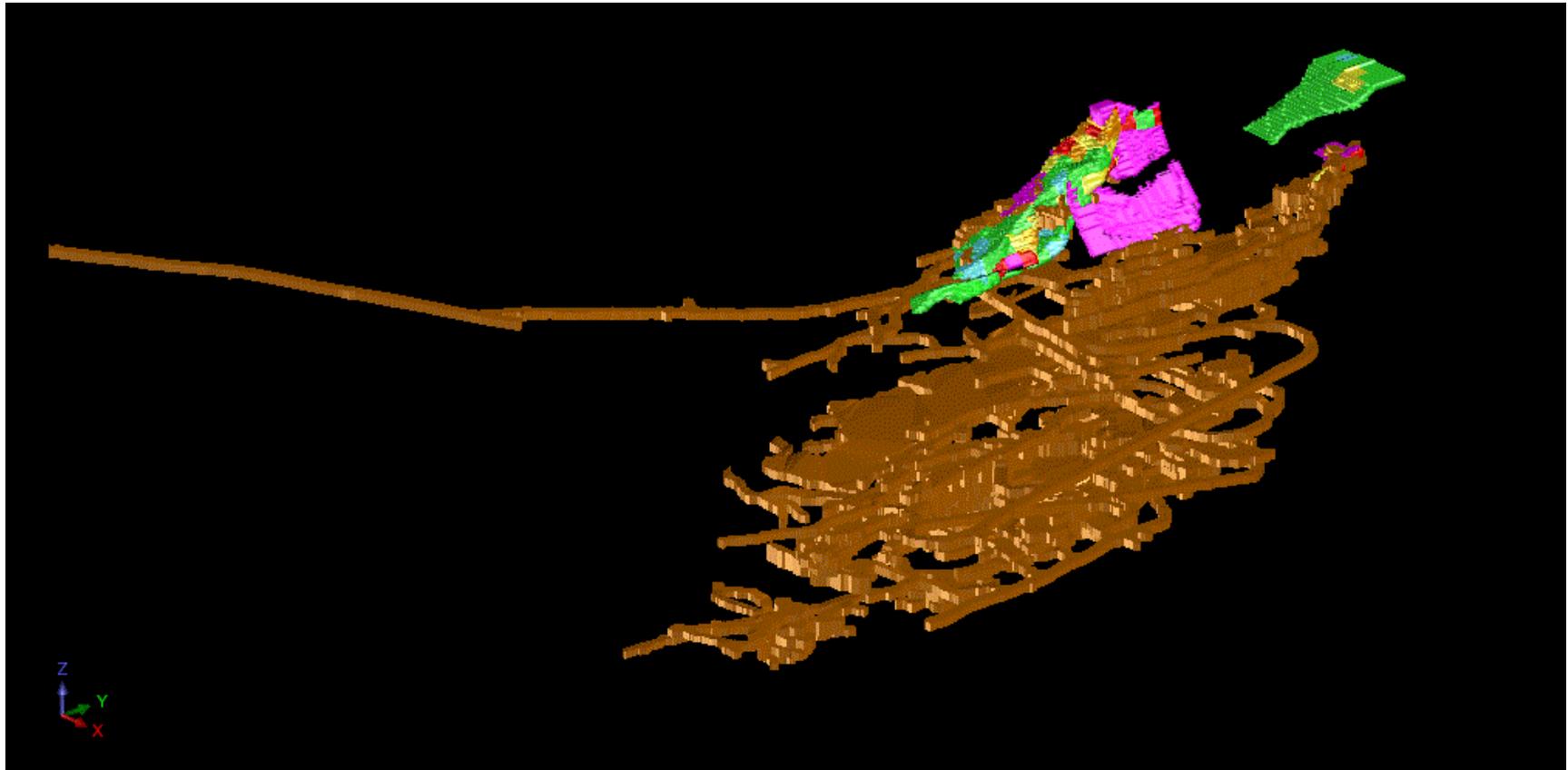


Figure 2. Bold Head Mine with Remnant Resources above 1050mRL, looking NW. Remnant Indicated and Inferred Resource of 216,000t @ 1.05% WO₃ (0.25% WO₃ cut off).



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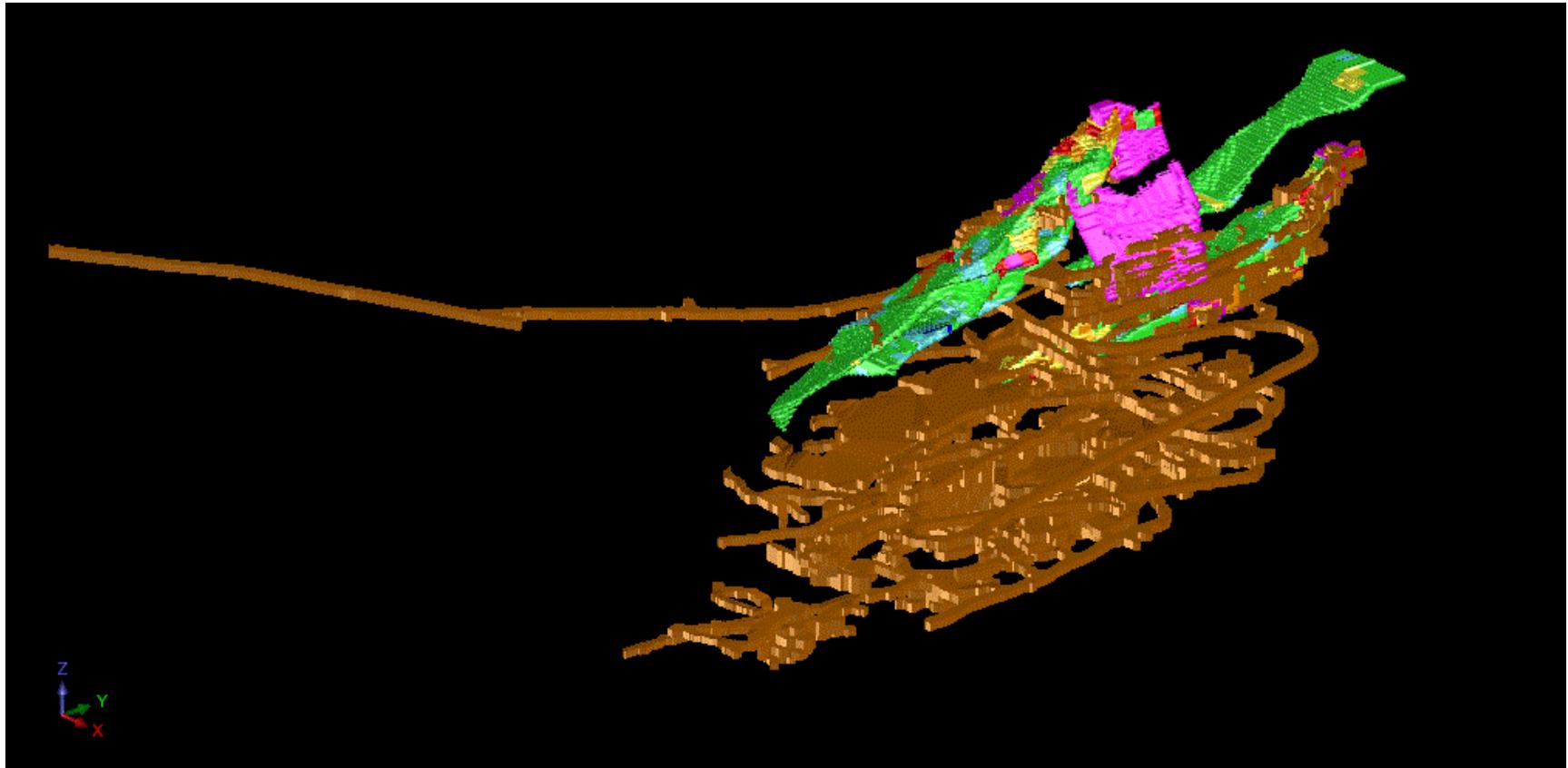


Figure 3. Bold Head Mine with Remnant Resources above 1000mRL, looking NW. Remnant Indicated and Inferred resource of 574,000t @ 0.80% WO₃ (0.25% WO₃ cut off).

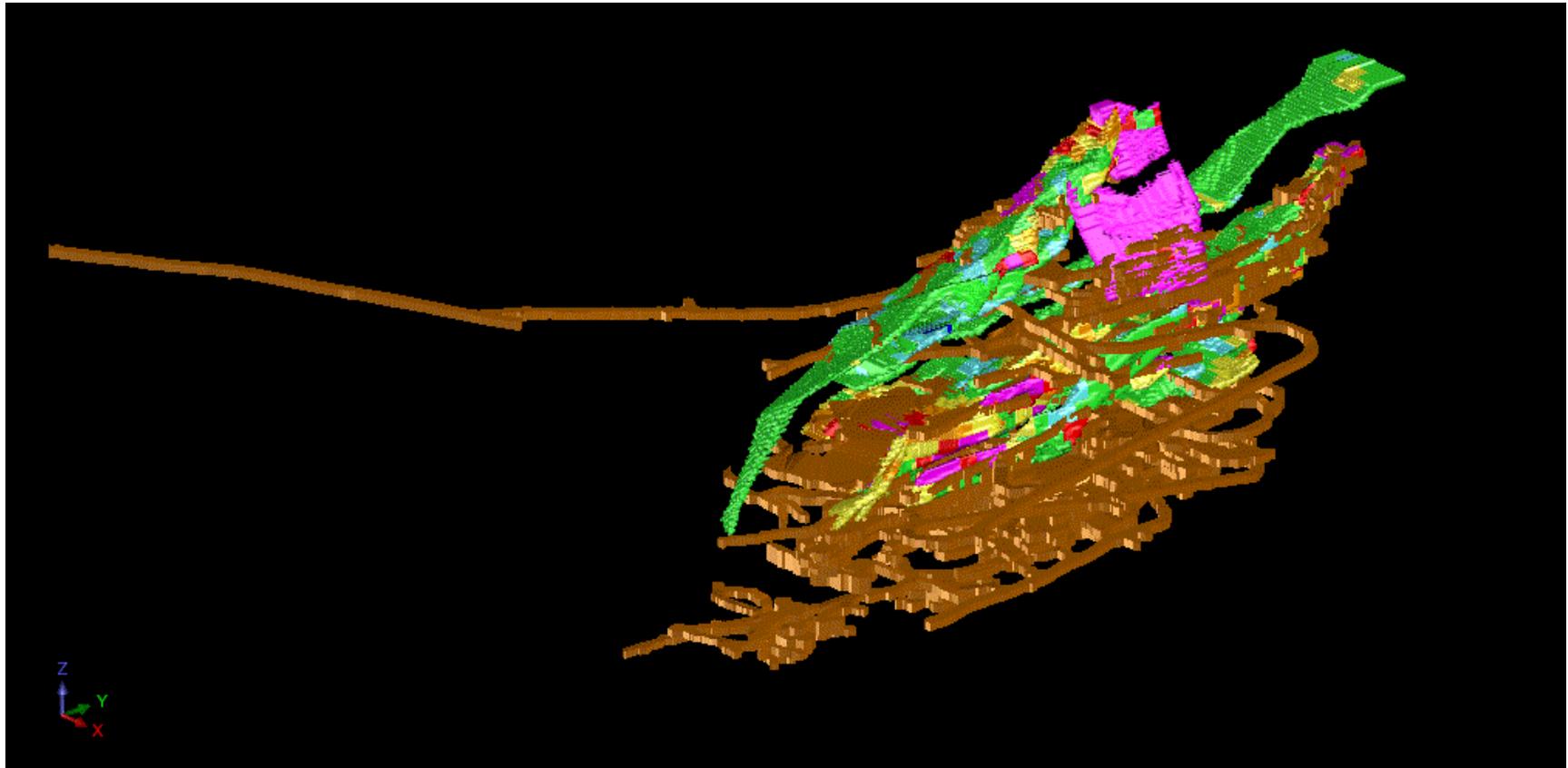


Figure 4. Bold Head Mine with Remnant Resources above 950mRL, looking NW. Remnant Indicated and Inferred resource of 1,071,000t @ 0.81% WO₃ (0.25% WO₃ cut off).



4 VALIDATION AND CLASSIFICATION

The blockmodel and digital mine model were validated by comparing the sliced models with the drafted Geopeko cross sections. No significant discrepancies were observed.

The estimated grade compares well with historic resource estimates of 1.8Mt @ 0.9% WO₃ at a 0.3% cutoff (Fudge, 1990) and the Resource Estimate at the 0.5% cut off of 1.65 Mt 0.96% WO₃.

The majority of the resource has been classified as an Indicated Resource. None of the resource has been classified as measured due to the uncertainty of the historic mine workings, the lack of industry standard bulk specific gravity measurements, and the need for QA/QC analysis.

The southern end of the resource has been classified as Inferred due to lower density of drill intercepts.

The Boundary Fault Ore has also been classified as Inferred as there is some uncertainty on the grade interpolation which may be conditionally biased by a few high grade drill intercepts and one drill hole that has drilled down the geological structure.

Classification codes built into the block model are as follows:

Code	Status
1	Previously Mined
2	Inferred resource
3	Indicated Resource



5 RECOMMENDATIONS

Recommendations as described in the main report (Callaghan, 2009) are summarized below.

A summary of recommendations in order of priority is:

- Confirm origin and projection of the Bold Head Mine Grid.
- Short drilling program confirming and extending shallow mineralisation at the north end of the Mine.
- Provide the block model and digital mine plan to a competent Mining Engineer to allow a pit optimization study for early mine development as well as investigating the potential for underground development.
- QA/QC analysis.
- Bulk Specific gravity study.
- Conceptual targeting of additional resources between Bold Head and Grassy.



ADDITIONAL NOTES

LIMITATIONS AND CONSENT

The report is provided to the King Island Scheelite Project in the context of an independent review and compilation of geological information, Mine Infrastructure and Mineral Resource Estimates and should not be used or relied upon for any other purpose.

This report has been prepared using information available to the Author at the time of writing. The opinions stated herein are given in good faith and with the belief that the basic assumptions are factual and correct and the interpretations reasonable.

This report is not intended for the use as a public document nor, in whole or in part, in a public document without written consent to the form and context in which it appears.

COMPETENT PERSON AND JORC CODE

This report was prepared in accordance with the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ("JORC Code") by Tim Callaghan, who is a Member of The Australian Institute of Mining and Metallurgy ("AusIMM"), has a minimum of five years experience in the estimation and assessment and evaluation of Mineral Resources of this style and is the competent Person as defined in the JORC Code. This announcement accurately summarises and fairly reports his estimations and he has consented to the resource report in the form and context it appears.

STATEMENT OF INDEPENDENCE

Tim Callaghan has no material interest or entitlement in the securities or assets of the King Island Scheelite project or any associated companies.



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Appendix 1

Bold Head Scheelite Domain intercepts



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH221	177.64	181.68	8
BH221	235.6	242.9	10
BH221	92.8	95.1	5
BH222	157.55	168.91	8
BH222	244.45	245.51	9
BH222	76.98	83.07	4
BH229	141.7	145.2	8
BH229	211.2	226	9
BH229	189.3	200.9	10
BH229	60	69.49	5
BH231	156.36	158.13	8
BH231	231.53	233.98	9
BH231	201.8	220.68	10
BH231	88.09	96.25	4
BH231	71.53	73.9	5
BH234	132.9	138.7	8
BH234	182.9	197.2	10
BH234	26.52	43.89	5
BH237	79.9	88.5	4
BH237	60.91	68.95	5
BH238	158.5	165.8	8
BH238	220.17	223.49	13
BH238	205.1	207.7	14
BH238	170.7	176.8	7
BH239	84.77	89.7	8
BH240	79.9	85.79	8
BH241	42.06	45.02	5
BH241	55.36	57.03	4
BH241	28	42.06	5
BH241	45.02	46.76	5
BH243	95.4	98.5	12
BH244	115.71	118.77	12
BH246	159.1	162.8	8
BH246	221.13	224.98	10



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH246	99.7	103	4
BH246	82.3	86.66	5
BH249	116.4	139.51	2
BH249	102.6	106.2	6
BH250_1WR02	302	307	9
BH250_1WR02	293	295	10
BH250_1WR02	317	321	1
BH251	141.8	142.03	8
BH251	171.3	185	14
BH252	95.9	120.26	8
BH252	152.4	155.4	10
BH253A	157.73	165.05	8
BH253A	212.9	222.3	10
BH253A	89.8	94.67	4
BH253A	65.1	69.6	5
BH253A	178.47	184.11	7
BH254	77.72	81.38	12
BH264	123.4	129.26	8
BH264	190.8	203.83	9
BH264	170.2	178.9	10
BH264	57.6	62	3
BH265	188.4	195.7	10
BH265	72.97	82.3	4
BH265	53.09	57.05	5
BH268	121.9	125	8
BH268	157.12	175.79	14
BH269	163.92	165.33	8
BH269	217.3	219.2	10
BH269	136.25	161.48	6
BH269	123.07	128.77	15
BH269	173.6	177.2	7
BH270	170.7	183.92	14
BH277	151.32	154.5	8
BH277	220.14	235.44	9
BH277	199.9	209.1	10
BH277	89.66	91.54	4
BH277	61.9	69.17	5
BH279	224.03	232	10
BH279	185.66	191.54	2
BH279	92.66	95.71	4
BH279	148.23	171.88	6



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH282	128.77	131.58	8
BH282	211.5	214.3	9
BH282	175.87	194.3	10
BH282	31.91	43.31	5
BH282	24.16	31.91	5
BH282	43.31	43.74	5
BH285	241.7	243.7	9
BH285	203.6	224.9	10
BH300_1	116	123.1	9
BH300_1	112	115	10
BH300_1	15	19	5
BH300_1	87	100	6
BH300_2	90	98	6
BH300_3	92	97	6
BH300_5	119	128	9
BH300_5	142	144	1
BH300_5	18	21	5
BH300_8	43.26	43.63	10
BH301	128.2	132.3	12
BH306	248.71	250.26	10
BH307	165	169	8
BH307	220.7	228.6	10
BH307	92.07	102.02	4
BH307	81.08	85	5
BH308	176.2	179.72	8
BH308	242.01	244.4	13
BH309	201.05	203.08	8
BH309	263.6	280.2	9
BH309	250.97	251.91	10
BH309	107.9	109.7	5
BH309	215.8	221.77	7
BH312	162.2	167.6	11
BH312	151.63	153.56	12
BH313	141.79	142.63	8
BH313	182.58	200.6	10
BH313	136.2	141.79	2
BH313	102.74	117.03	6
BH313	156.53	161.22	7
BH313	142.63	143.29	2
BH314	209.05	218.07	9
BH314	191.4	202.4	10



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH315	160	162.5	8
BH315	226.2	232.3	13
BH315	99.7	105.8	4
BH315	88.7	93.9	5
BH316	129.75	135.25	8
BH316	26.95	43.25	5
BH316	170.4	178.3	14
BH319	110.4	114.23	8
BH319	179.67	185.23	9
BH319	157.55	161.23	10
BH319	201.2	207.9	2
BH320	112.06	116.86	8
BH320	176.65	184.05	9
BH320	158.36	166.38	10
BH320	202.8	226.92	2
BH320	63.4	66.4	3
BH322	61.6	65.8	12
BH325_1	76.95	78.97	6
BH325_1	54	57	15
BH325_11	0	0.1	7
BH325_17	39	44	9
BH325_18	20.5	28.5	9
BH325_2	106.02	113.97	9
BH325_2	133	143	1
BH325_2	74	82.28	6
BH325_2	51	54	15
BH325_3	107.26	109.69	9
BH325_3	67	74	6
BH325_3	39	43	15
BH325_5	56	62	8
BH325_5	55	56	15
BH325_6	50	53.05	8
BH325_6	135	139	9
BH325_6	74.79	76.55	7
BH326	28	34.7	12
BH327	28	31.39	12
BH350_11	22	40	9
BH350_11	13.5	16.5	10
BH350_12	29	35	9
BH350_12	14	17	10
BH350_14	17	30	9



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH350_2	98	101	9
BH350_2	40	44	2
BH350_2	26.23	28.58	6
BH350_2	13	19	15
BH350_3	35.38	62	6
BH350_3	19.27	24.44	15
BH350_4	112	128	9
BH350_4	94	97	10
BH350_4	39.77	59	6
BH350_4	24	28	15
BH350_4	59	61	7
BH350_4	61	63	7
BH350_5	50	54	8
BH350_5	38.07	41.81	15
BH350_6	100	105	9
BH350_6	57	66	2
BH350_6	30.8	45.22	6
BH350_6	15	21	15
BH370	46	54	4
BH370	30.89	37.62	5
BH372	35.51	35.75	3
BH373	130	136.2	8
BH373	66	69	3
BH374	27	27.06	5
BH374	27.06	40	4
BH374	13.52	27	5
BH375_10	19	22	13
BH375_2	6.82	8.03	6
BH375_3	6.28	10	6
BH375_4	32	42	8
BH375_4	14	22	15
BH375_5	15	35	6
BH375_5	42	51.19	7
BH375_6	73	76	10
BH375_6	42	51	2
BH375_6	59	68	2
BH375_6	6	16	6
BH375_7	81.07	92	10
BH375_7	35.5	46	2
BH375_7	5.6	15	6
BH375_8	0	2	8



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH375_8	72	91	13
BH375_9	0.46	2	8
BH400_1	37	48	2
BH400_1	4	14	6
BH400_10	0	0.3	8
BH400_10	78	83	13
BH400_12	10	18	6
BH400_2	3	13.55	6
BH400_3	68	71	10
BH400_3	35	39	2
BH400_3	10	13	6
BH400_4	3	14.03	6
BH400_5	28	34	8
BH400_5	11	18	6
BH400_6	35	44	2
BH400_6	58	60.25	2
BH400_6	6	15	6
BH400_7	24.33	25.95	8
BH400_7	78	87	10
BH400_7	12	24	6
BH400_8	81	84	10
BH400_8	48.19	50.85	2
BH400_9	0	0.24	8
BH400_9	67	78.1	13
BH415_1	0	1.94	5
BH420_1	76.02	80.34	2
BH420_1	7.15	14.83	4
BH420_1	0	1.18	5
BH420_2	97.8	109.21	2
BH420_2	6.79	15.99	4
BH420_2	0	1.22	5
BH420_2	66.11	81.93	6
BH425_1	0	9	6
BH425_10	59	76	10
BH425_10	10	26.4	2
BH425_11	0	4	8
BH425_11	71.58	71.98	13
BH425_11	51	57.76	14
BH425_12	0	4	8
BH425_12	76	80	13
BH425_13	0	7	8



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH425_2	16	27	2
BH425_2	0	5	6
BH425_3	21	35	2
BH425_3	0	5.37	6
BH425_4	19	25	2
BH425_4	0	7.68	6
BH425_5	17.09	20	8
BH425_5	0	8	6
BH425_6	15	20	8
BH425_6	0	10	6
BH425_7	18	36	2
BH425_7	0	6.87	6
BH425_8	15.72	22.68	8
BH425_8	0	3	6
BH425_9	0	20.8	2
BH430_1	8	25	4
BH430_1	0	4	5
BH430_2	27	32	4
BH430_2	0	5	5
BH440_1	0	12.87	5
BH450_1	83	95	2
BH450_1	10.95	15.96	4
BH450_1	0	0.29	5
BH450_1	70	80	6
BH450_10	0	0.81	8
BH450_10	52	62	10
BH450_11	0	4.03	8
BH450_11	63	66	10
BH450_12	0	4.81	8
BH450_12	60	64	13
BH450_12	10	15	7
BH450_12	46	49	14
BH450_2	171.4	173.4	9
BH450_2	142.4	146.4	10
BH450_2	89.4	100.28	2
BH450_2	10.87	15.17	4
BH450_2	0	0.3	5
BH450_2	76.12	87.4	6
BH450_2	100.4	109.4	7
BH450_3	14.79	23	2
BH450_3	0	1.15	6



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH450_4	11	24	2
BH450_4	0	2	6
BH450_5	12	36	2
BH450_5	0	5.6	6
BH450_6	0	10	6
BH450_7	0	3	5
BH450_9	83	85	9
BH450_9	57	65	10
BH450_9	0	6	2
BH460_1	2.92	33.59	5
BH465_1	0	20.5	5
BH475_10	0	17	8
BH475_11	0	15.94	8
BH475_12	0	0.93	8
BH475_13	0	1	8
BH475_13	59	63	10
BH475_14	0	0.79	8
BH475_14	51.88	56.91	14
BH475_15	0	1	8
BH475_15	42	45	14
BH475_16	0	0.17	8
BH475_16	98.31	101	9
BH475_16	62.76	71	10
BH475_16	20.47	25.58	7
BH475_17	76	85.95	10
BH475_17	24.88	30.67	7
BH475_18	6.46	9	14
BH475_19	4.13	6.13	14
BH475_2	56	66	2
BH475_2	28	45	6
BH475_3	103	112	10
BH475_3	70	73	7
BH475_3	34	57	6
BH475_4	54.83	59	8
BH475_4	78	83	7
BH475_5	20	26	2
BH475_5	0	5	6
BH475_6	16	34	2
BH475_6	0	6.03	6
BH475_7	0	7	6
BH490_1	17.8	24.2	4



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH490_2	0	1	8
BH490_4	0	5	13
BH500_1	123	126	9
BH500_1	104	113	10
BH500_1	51.74	67	2
BH500_1	73.05	81.05	2
BH500_1	25	33	6
BH500_1	14	19	15
BH500_10	8.48	10	8
BH500_10	0	3	6
BH500_10	18.2	20.4	7
BH500_11	0	13.1	8
BH500_12	1.71	16.41	8
BH500_13	0	0.65	8
BH500_13	45	57.05	13
BH500_14	0	0.57	6
BH500_15	4.25	5.24	5
BH500_15	0	4.25	5
BH500_15	5.24	5.41	5
BH500_16	11	20.5	4
BH500_16	0	5.53	5
BH500_17	68.03	71.28	9
BH500_17	49	53	10
BH500_17	9	11	7
BH500_18	33	45.1	14
BH500_19	33	37	10
BH500_19	18	33	10
BH500_20	22	35	10
BH500_21	0	2	8
BH500_21	73.18	76.13	9
BH500_21	51	62	10
BH500_22	2.76	16.5	10
BH500_23	0.44	17.49	10
BH500_24	1.29	14.75	10
BH500_25	20.36	30	10
BH500_26	19	24	9
BH500_27	14	17	10
BH500_3	45.84	46.46	8
BH500_3	46.46	54	8
BH500_3	40	45.84	6
BH500_3	15	23	15



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH500_3	67	69.13	7
BH500_4	48	52.94	8
BH500_4	130	134	9
BH500_4	107	120	10
BH500_4	18	25	15
BH500_4	61	69	7
BH500_5	65	68.12	8
BH500_5	117	119	13
BH500_5	93	109.11	14
BH500_6	82	85	11
BH500_6	72	77	12
BH500_7	9	16	2
BH500_8	6	18	2
BH500_8	0	0.37	6
BH500_9	0	0.82	6
BH510_1	0	1.46	4
BH510_1	4	8.38	5
BH510_2	0	10.32	4
BH525_1	9.15	14.05	2
BH525_10	16	27.86	9
BH525_10	0	3	10
BH525_11	0	3.17	14
BH525_12	0	4.3	14
BH525_13	11	22	13
BH525_13	0	6	14
BH525_2	0	5	8
BH525_2	11.03	27.93	2
BH525_3	60	63	9
BH525_3	43	53	10
BH525_4	46	56	9
BH525_4	36	39	10
BH525_4	0	18	2
BH525_5	0	0.12	8
BH525_5	59	62	9
BH525_5	42	56	10
BH525_7	0	1.87	8
BH525_7	48.35	53.97	10
BH525_8	0	0.24	8
BH525_8	0.34	0.66	8
BH525_8	71.64	77.42	9
BH525_8	53.8	61.25	10



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH525_9	0	3	10
BH530_1	0	3	4
BH530_1	5	14.96	5
BH530_2	0	2.75	4
BH530_2	6	12	5
BH530_3	0	3	4
BH530_3	18.27	22	5
BH530_4	0	14	4
BH530_5	0	3.28	4
BH530_6	0	2.4	4
BH530_6	3	8	5
BH530_7	0	0.34	4
BH530_8	0	2.5	4
BH530_8	7	18	5
BH535_3	0	2.28	10
BH535_4	0	3.47	10
BH535_5	0	2.02	10
BH535_6	0	0.18	10
BH550_1	32	40	8
BH550_1	81	92	10
BH550_1	2	14	6
BH550_11	0	2	10
BH550_12	0	2	14
BH550_13	0	10	14
BH550_14	0	5	14
BH550_15	0	15.77	14
BH550_16	0	8	14
BH550_17	0	11	14
BH550_2	16	19.39	2
BH550_2	0	11	6
BH550_3	22	50	2
BH550_3	0	12	6
BH550_4	0	3.55	6
BH550_6	0	11	8
BH550_7	30.46	46	10
BH550_7	3	8	7
BH550_8	69	74	9
BH550_8	48	56	10
BH550_9	0	19.29	10
BH560_1	0	14.38	4
BH560_2	8.24	11.43	3



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH565_1	0	15.72	8
BH565_2	0	2.91	8
BH570_1	0	3.07	4
BH570_1	10	18	5
BH575_1	0	6.16	6
BH575_10	39	45	14
BH575_12	0	11	10
BH575_13	0	12	10
BH575_14	0	15	10
BH575_15	0	19	10
BH575_16	0	7.68	10
BH575_2	92	96	9
BH575_2	10.88	37.15	2
BH575_2	0	0.25	6
BH575_3	0.09	4	2
BH575_4	0	13	2
BH575_6	0	3.39	8
BH575_6	45	67	10
BH575_7	0	2.91	8
BH575_7	66	76	9
BH575_7	48	55	10
BH575_9	0	1.02	12
BH586_1	2	6.8	7
BH588_2	0	1.04	12
BH595_1	0	0.1	10
BH595_2	0	0.53	10
BH600_10	0	0.31	12
BH600_13	0	3	8
BH600_13	36.29	58.15	14
BH600_2	16	27	8
BH600_2	91	94	9
BH600_2	73.46	77.9	10
BH600_2	35	40	7
BH600_3	17	28	8
BH600_4	17	21	3
BH600_4	0	4	6
BH600_5	13	19	2
BH600_6	0	3	8
BH600_6	67	79	9
BH600_6	44	56	10
BH600_7	0	5	8



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH600_7	66	79	9
BH600_7	50	53	10
BH600_8	0	4.66	8
BH600_8	63	77	9
BH600_8	46	55	10
BH600_9	0	0.33	12
BH605_1	10	14.99	12
BH605_2	4.47	7.49	12
BH605_3	0	3	9
BH605_4	0	1	9
BH605_5	0	3	9
BH615_5	0	8.09	2
BH615_6	1.48	1.5	3
BH615_6	26	26.09	5
BH615_6	35	36.2	4
BH615_6	1.5	26	5
BH615_6	26.09	35	4
BH620_1	24	28	6
BH620_2	49.73	53.79	2
BH620_2	27.99	41.9	6
BH620_3	116	127	9
BH620_3	97.62	108.29	10
BH620_3	36.65	36.67	6
BH620_3	36.71	48	6
BH620_3	63	66	7
BH620_4	62.88	70.04	8
BH620_5	46.98	50	8
BH620_6	15	26	4
BH620_6	38.12	44.29	5
BH620_7	0	4.72	10
BH625_1	7	9	3
BH625_13	0	1.23	8
BH625_13	59.9	71	9
BH625_13	46	55	10
BH625_13	96.53	103.97	2
BH625_14	0	23	2
BH625_15	0	12	2
BH625_16	0	0.34	13
BH625_16	9	15	14
BH625_17	0	4.1	2
BH625_18	6.55	26.4	3



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH625_2	8	21	8
BH625_3	10	13	8
BH625_3	77	89	9
BH625_3	104.51	127	2
BH625_4	16.37	22.83	8
BH625_4	99	103	13
BH625_4	78	81	14
BH625_5	0	0.98	8
BH625_7	8	11	3
BH625_8	58	73	9
BH625_8	44	49	10
BH625_8	97.63	98.89	2
BH625_8	100.43	104.56	2
BH625_9	0	1.61	8
BH625_9	91	93	2
BH635_1	61.39	70.43	9
BH635_1	43	51	10
BH635_1	87	107	2
BH635_2	59.16	67	9
BH635_2	39	48	10
BH635_2	93	103	2
BH635_3	3.03	10	2
BH635_4	0	12.78	2
BH635_5	0	16.78	2
BH635_6	0	7.18	2
BH635_8	0.15	8.71	13
BH635_8	16	29	14
BH635_9	0.06	7.5	13
BH635_9	28	32.88	14
BH650_2	13	17.11	8
BH650_4	58	63	9
BH650_4	42	47	10
BH650_5	60	69	9
BH650_5	44	49	10
BH650_6	53.36	62.87	13
BH650_6	34	45	14
BH665_1	0	3.2	8
BH675_1	98	105	8
BH675_10	0	4	8
BH675_11	0	7	8
BH675_12	0	2	8



wo3_025_impacts			
bhid	depth_from	depth_to	flag
BH675_13	0	2.36	8
BH675_15	0	5	8
BH675_15	41	46	10
BH675_2	11	13	8
BH675_3	0	14	8
BH675_3	16	18	7
BH675_4	0	6	8
BH675_5	0	6	7
BH675_7	14	16.94	8
BH675_8	0	3	8
BH675_9	0	3.87	8
BH675_9	49	55	9
BH675_9	42	46	10
BH700_1	21	27.62	12
BH700_2	6.56	10.18	12
BH700_3	2.58	7	8
BH700_4	2.52	7.33	8
BH710_1	0	3.65	8
BH725_2	61.89	75.38	8
BH725_5	0	9	8
BH725_6	0	12	8
BH725_7	63	64.8	12
BH750_2	57	61	8
BH775_1	33.07	36.73	12
BH800_1	28	41.5	12



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Appendix 2

1m Composite statistics



Output Filename: bfb_275
11, 2009

Jul

Statistics Report

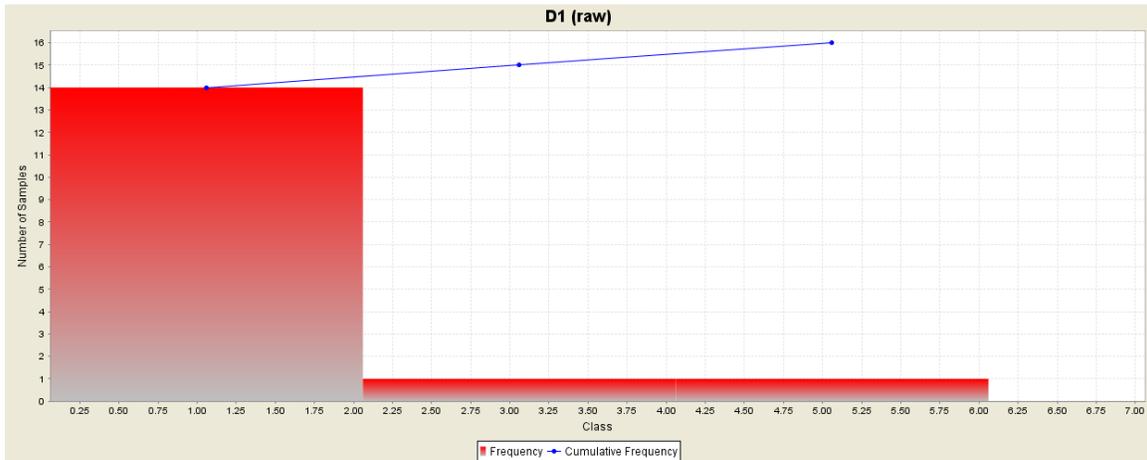
File	../bfb 275.str	
String range	All	
Variable	D1	
Number of samples	16	
Minimum value	0.060000	
Maximum value	4.800000	
	Ungrouped Data	Grouped Data
Mean	0.996875	1.435000
Median	0.480000	1.202857
Geometric Mean	0.573792	1.248848
Variance	1.469984	1.109375
Standard Deviation	1.212429	1.053269
Coefficient of variation	1.216230	0.733985
Moment 1 About Arithmetic Mean	0.000000	0.000000
Moment 2 About Arithmetic Mean	1.469984	1.109375
Moment 3 About Arithmetic Mean	3.746284	3.199219
Moment 4 About Arithmetic Mean	14.193356	11.245361
Skewness	2.101995	2.737955
Kurtosis	6.568404	2.599484
Natural Log Mean	-0.555488	0.222222
Log Variance	1.081213	0.196068
10.0 Percentile	0.255000	
20.0 Percentile	0.270000	
30.0 Percentile	0.325000	
40.0 Percentile	0.360000	
50.0 Percentile (median)	0.480000	
60.0 Percentile	0.685000	
70.0 Percentile	0.915000	
80.0 Percentile	1.470000	
90.0 Percentile	2.370000	
95.0 Percentile	3.885000	
97.5 Percentile	4.800000	
Trimean	0.588750	
Biweight	0.532933	
MAD	0.280000	
Alpha	-0.059400	
Sichel-t	0.939136	
Normal Histogram Tabulation	D1	



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Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec Count	Dec Mean	Dec Freq %				
0.060000	2.060000	14	0.584286	0.875	14	0.584286	
87.5000		16	0.996875	100.0000			
2.060000	4.060000	1	2.970000	0.063	15	0.743333	
93.7500		2	3.885000	12.5000			
4.060000	6.060000	1	4.800000	0.063	16	0.996875	
100.0000		1	4.800000	6.2500			

1/1





Output Filename: bfb_350
11, 2009

Jul

Statistics Report

File ../bfb Fault 350.str

String range All
Variable D1

Number of samples 615
Minimum value 0.010000
Maximum value 6.100000

	Ungrouped Data	Grouped Data
Mean	0.715917	0.721673
Median	0.550000	0.548519
Geometric Mean	0.461125	0.508281
Variance	0.469979	0.468063
Standard Deviation	0.685550	0.684151
Coefficient of variation	0.957583	0.948008

Moment 1 About Arithmetic Mean	0.000000	0.000000
Moment 2 About Arithmetic Mean	0.469979	0.468063
Moment 3 About Arithmetic Mean	0.840576	0.863370
Moment 4 About Arithmetic Mean	2.984327	3.128126

Skewness	2.608911	2.696130
Kurtosis	13.511067	3.940838

Natural Log Mean	-0.774085	-0.676720
Log Variance	1.154446	0.703222

10.0 Percentile	0.118000
20.0 Percentile	0.230000
30.0 Percentile	0.340000
40.0 Percentile	0.430000
50.0 Percentile (median)	0.550000
60.0 Percentile	0.660000
70.0 Percentile	0.790000
80.0 Percentile	1.000000
90.0 Percentile	1.440000
95.0 Percentile	2.049500
97.5 Percentile	2.680000

Trimean	0.574875
Biweight	0.555152
MAD	0.298900
Alpha	0.289476
Sichel-t	0.820092

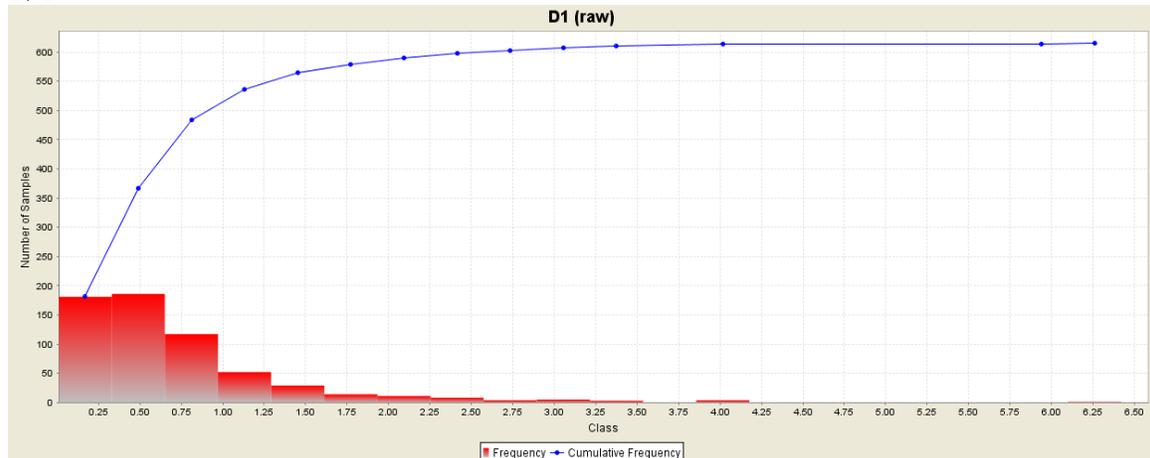
Normal Histogram Tabulation
D1



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Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec Count	Dec Mean	Dec Freq %				
0.010000	0.330526	181	0.169466	0.294	181	0.169466	
29.4309		615	0.715917	100.0000			
0.330526	0.651053	186	0.489384	0.302	367	0.331604	
59.6748		434	0.943815	70.5691			
0.651053	0.971579	117	0.799785	0.190	484	0.444780	
78.6992		248	1.284638	40.3252			
0.971579	1.292105	52	1.121992	0.085	536	0.510480	
87.1545		131	1.717675	21.3008			
1.292105	1.612632	29	1.432286	0.047	565	0.557794	
91.8699		79	2.109770	12.8455			
1.612632	1.933158	14	1.759664	0.023	579	0.586855	
94.1463		50	2.502710	8.1301			
1.933158	2.253684	11	2.064845	0.018	590	0.614411	
95.9350		36	2.791672	5.8537			
2.253684	2.574211	8	2.394600	0.013	598	0.638226	
97.2358		25	3.111476	4.0650			
2.574211	2.894737	4	2.712800	0.007	602	0.652010	
97.8862		17	3.448829	2.7642			
2.894737	3.215263	5	3.121140	0.008	607	0.672349	
98.6992		13	3.675300	2.1138			
3.215263	3.535789	3	3.375067	0.005	610	0.685641	
99.1870		8	4.021650	1.3008			
3.856316	4.176842	4	3.987000	0.007	614	0.707148	
99.8374		5	4.409600	0.8130			
5.779474	6.100000	0	0.000000	0.000	614	0.707148	
99.8374		1	6.100000	0.1626			
6.100000	6.420526	1	6.100000	0.002	615	0.715917	
100.0000		1	6.100000	0.1626			

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Output Filename: boundary_fault
11, 2009

Jul

Statistics Report

File ../boundary Fault 3.str

String range All
Variable D1

Number of samples 35
Minimum value 0.223800
Maximum value 12.900000

	Ungrouped Data	Grouped Data
Mean	2.151209	2.196712
Median	0.670000	0.807572
Geometric Mean	1.111318	1.194292
Variance	8.147011	8.478598
Standard Deviation	2.854297	2.911803
Coefficient of variation	1.326834	1.325528

Moment 1 About Arithmetic Mean	0.000000	0.000000
Moment 2 About Arithmetic Mean	8.147011	8.478598
Moment 3 About Arithmetic Mean	49.957877	54.254333
Moment 4 About Arithmetic Mean	483.476436	538.133500

Skewness	2.148357	2.197598
Kurtosis	7.284148	0.754721

Natural Log Mean	0.105547	0.177554
Log Variance	1.194792	1.021709

10.0 Percentile	0.300000
20.0 Percentile	0.490000
30.0 Percentile	0.551000
40.0 Percentile	0.639250
50.0 Percentile (median)	0.670000
60.0 Percentile	1.181750
70.0 Percentile	2.500000
80.0 Percentile	3.185000
90.0 Percentile	7.100000
95.0 Percentile	8.023000
97.5 Percentile	10.899000

Trimean	1.093125
Biweight	0.999375
MAD	0.604375
Alpha	-0.221562
Sichel-t	1.967730

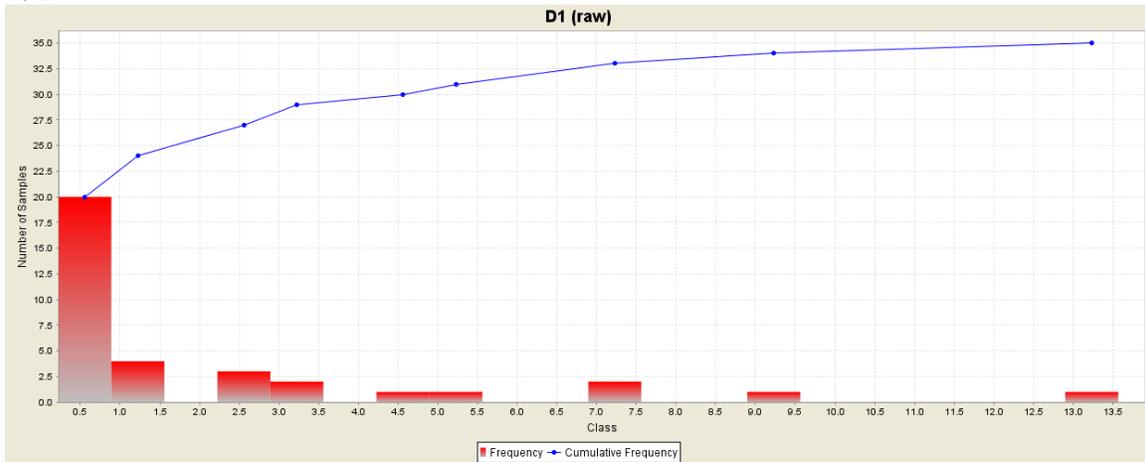
Normal Histogram Tabulation
D1



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Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean
Cum Freq %	Dec Count	Dec Mean	Dec Freq %			
0.223800	0.890968	20	0.520340	0.571	20	0.520340
57.1429	35	2.151209	100.0000			
0.890968	1.558137	4	1.292375	0.114	24	0.649013
68.5714	15	4.325701	42.8571			
2.225305	2.892474	3	2.500000	0.086	27	0.854678
77.1429	11	5.428727	31.4286			
2.892474	3.559642	2	3.185000	0.057	29	1.015390
82.8571	8	6.527000	22.8571			
4.226811	4.893979	1	4.600000	0.029	30	1.134877
85.7143	6	7.641000	17.1429			
4.893979	5.561147	1	5.200000	0.029	31	1.266010
88.5714	5	8.249200	14.2857			
6.895484	7.562653	2	7.124000	0.057	33	1.621039
94.2857	4	9.011500	11.4286			
8.896989	9.564158	1	8.898000	0.029	34	1.835068
97.1429	2	10.899000	5.7143			
12.900000	13.567168	1	12.900000	0.029	35	2.151209
100.0000	1	12.900000	2.8571			

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Output Filename: **fault_b_1**
11, 2009

Jul

Statistics Report

File ../fault B L4.str

String range All
Variable D1

Number of samples 168
Minimum value 0.010000
Maximum value 4.900000

	Ungrouped Data	Grouped Data
Mean	0.606824	0.610526
Median	0.390000	0.420045
Geometric Mean	0.382856	0.410072
Variance	0.477568	0.485486
Standard Deviation	0.691063	0.696768
Coefficient of variation	1.138819	1.141259

Moment 1 About Arithmetic Mean	0.000000	0.000000
Moment 2 About Arithmetic Mean	0.477568	0.485486
Moment 3 About Arithmetic Mean	1.148694	1.192775
Moment 4 About Arithmetic Mean	4.209124	4.463354

Skewness	3.480576	3.526089
Kurtosis	18.455280	5.060633

Natural Log Mean	-0.960097	-0.891423
Log Variance	1.084240	0.737231

10.0 Percentile	0.125000
20.0 Percentile	0.211000
30.0 Percentile	0.283000
40.0 Percentile	0.340000
50.0 Percentile (median)	0.390000
60.0 Percentile	0.495000
70.0 Percentile	0.655400
80.0 Percentile	0.820000
90.0 Percentile	1.232000
95.0 Percentile	1.755000
97.5 Percentile	2.915400

Trimean	0.444450
Biweight	0.428068
MAD	0.223400
Alpha	-0.003293
Sichel-t	0.655139

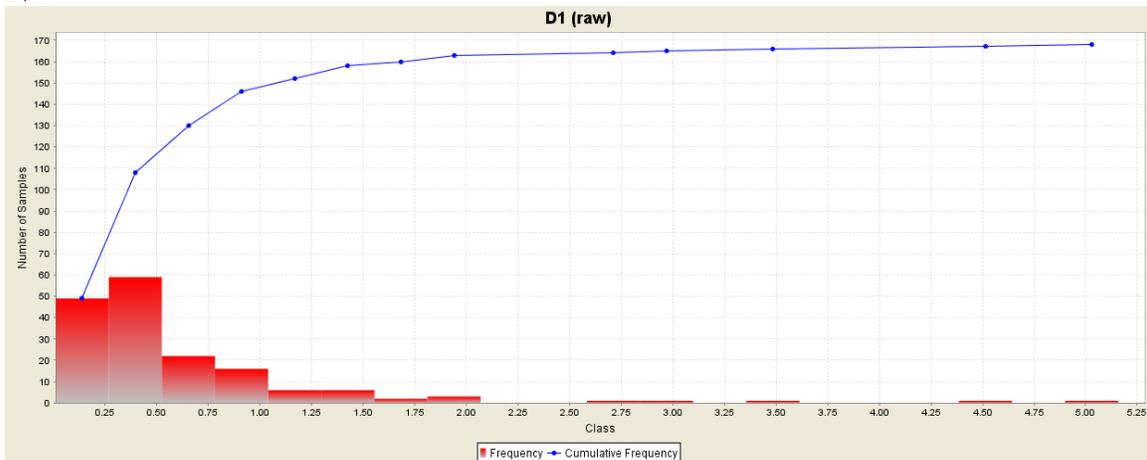
Normal Histogram Tabulation
D1



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Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec Count	Dec Mean	Dec Freq %				
0.010000	0.267368	49	0.152496	0.292	49	0.152496	
29.1667		168	0.606824	100.0000			
0.267368	0.524737	59	0.384447	0.351	108	0.279210	
64.2857		119	0.793901	70.8333			
0.524737	0.782105	22	0.667023	0.131	130	0.344840	
77.3810		60	1.196530	35.7143			
0.782105	1.039474	16	0.889513	0.095	146	0.404530	
86.9048		38	1.503087	22.6190			
1.039474	1.296842	6	1.139933	0.036	152	0.433559	
90.4762		22	1.949323	13.0952			
1.296842	1.554211	6	1.382800	0.036	158	0.469606	
94.0476		16	2.252844	9.5238			
1.554211	1.811579	2	1.625000	0.012	160	0.484049	
95.2381		10	2.774870	5.9524			
1.811579	2.068947	3	1.950967	0.018	163	0.511047	
97.0238		8	3.062338	4.7619			
2.583684	2.841053	1	2.800000	0.006	164	0.525004	
97.6190		5	3.729160	2.9762			
2.841053	3.098421	1	3.030800	0.006	165	0.540191	
98.2143		4	3.961450	2.3810			
3.355789	3.613158	1	3.415000	0.006	166	0.557509	
98.8095		3	4.271667	1.7857			
4.385263	4.642632	1	4.500000	0.006	167	0.581117	
99.4048		2	4.700000	1.1905			
4.900000	5.157368	1	4.900000	0.006	168	0.606824	
100.0000		1	4.900000	0.5952			

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Output Filename: **fault_b_u**
11, 2009

Jul

Statistics Report

File ../fault B U.str-3.40282e+038.str

String range All
Variable D1

Number of samples 245
Minimum value 0.020000
Maximum value 6.600000

Ungrouped Data

Grouped Data
Mean 0.858429
0.874481
Median 0.586000
0.631300
Geometric Mean 0.532796
0.592750
Variance 0.838528
0.833051
Standard Deviation 0.915712
0.912716
Coefficient of variation 1.066730
1.043723

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.838528
0.833051
Moment 3 About Arithmetic Mean 2.222705
2.288119
Moment 4 About Arithmetic Mean 10.035592
10.616560

Skewness 2.894711
3.009342
Kurtosis 14.272747
3.297129

Natural Log Mean -0.629616 -
0.522982
Log Variance 1.139510
0.761950

10.0 Percentile 0.130000
20.0 Percentile 0.255000
30.0 Percentile 0.386400
40.0 Percentile 0.487201
50.0 Percentile (median) 0.586000
60.0 Percentile 0.745000



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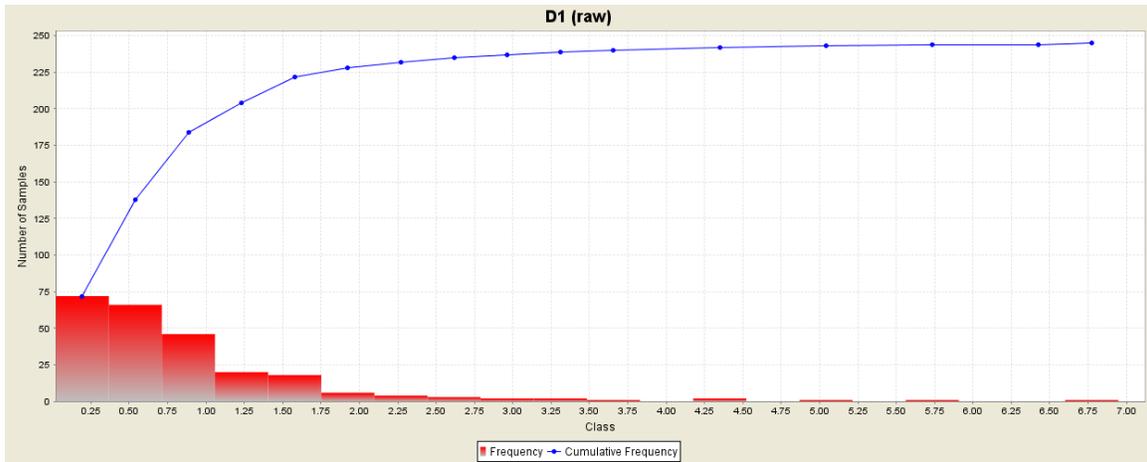
70.0 Percentile	0.910000
80.0 Percentile	1.254000
90.0 Percentile	1.720000
95.0 Percentile	2.635000
97.5 Percentile	3.540000
Trimean	0.637600
Biweight	0.617575
MAD	0.342775
Alpha	0.176690
Sichel-t	0.938486

Normal Histogram Tabulation
D1

Class	From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec	Count	Dec	Mean	Dec	Freq %		
0.020000	0.366316	72	0.185517	0.294	72	0.185517		
29.3878	245	0.858429	100.0000					
0.366316	0.712632	66	0.522341	0.269	138	0.346607		
56.3265	173	1.138485	70.6122					
0.712632	1.058947	46	0.843257	0.188	184	0.470769		
75.1020	107	1.518536	43.6735					
1.058947	1.405263	20	1.204660	0.082	204	0.542719		
83.2653	61	2.027764	24.8980					
1.405263	1.751579	18	1.601878	0.073	222	0.628597		
90.6122	41	2.429278	16.7347					
1.751579	2.097895	6	1.901667	0.024	228	0.662099		
93.0612	23	3.076809	9.3878					
2.097895	2.444211	4	2.317500	0.016	232	0.690640		
94.6939	17	3.491565	6.9388					
2.444211	2.790526	3	2.646667	0.012	235	0.715611		
95.9184	13	3.852815	5.3061					
2.790526	3.136842	2	2.959500	0.008	237	0.734546		
96.7347	10	4.214660	4.0816					
3.136842	3.483158	2	3.290000	0.008	239	0.755931		
97.5510	8	4.528450	3.2653					
3.483158	3.829474	1	3.700000	0.004	240	0.768198		
97.9592	6	4.941267	2.4490					
4.175789	4.522105	2	4.321800	0.008	242	0.797567		
98.7755	5	5.189520	2.0408					
4.868421	5.214737	1	5.140000	0.004	243	0.815437		
99.1837	3	5.768000	1.2245					
5.561053	5.907368	1	5.564000	0.004	244	0.834898		
99.5918	2	6.082000	0.8163					
6.253684	6.600000	0	0.000000	0.000	244	0.834898		
99.5918	1	6.600000	0.4082					
6.600000	6.946316	1	6.600000	0.004	245	0.858429		
100.0000	1	6.600000	0.4082					



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Output Filename: fault_c_1
11, 2009

Jul

Statistics Report

File ../fault C L.str-3.40282e+038.str

String range All
Variable D1

Number of samples 525
Minimum value 0.010000
Maximum value 5.880000

Ungrouped Data

Grouped Data
Mean 0.886602
0.886528
Median 0.700000
0.692719
Geometric Mean 0.612405
0.639332
Variance 0.658468
0.662017
Standard Deviation 0.811460
0.813644
Coefficient of variation 0.915247
0.917788

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.658468
0.662017
Moment 3 About Arithmetic Mean 1.514546
1.552724
Moment 4 About Arithmetic Mean 6.277228
6.487290

Skewness 2.834527
2.882639
Kurtosis 14.477675
3.542874

Natural Log Mean -0.490361 -
0.447331
Log Variance 0.928294
0.681452

10.0 Percentile 0.172000
20.0 Percentile 0.346700
30.0 Percentile 0.470000
40.0 Percentile 0.586800
50.0 Percentile (median) 0.700000
60.0 Percentile 0.810000



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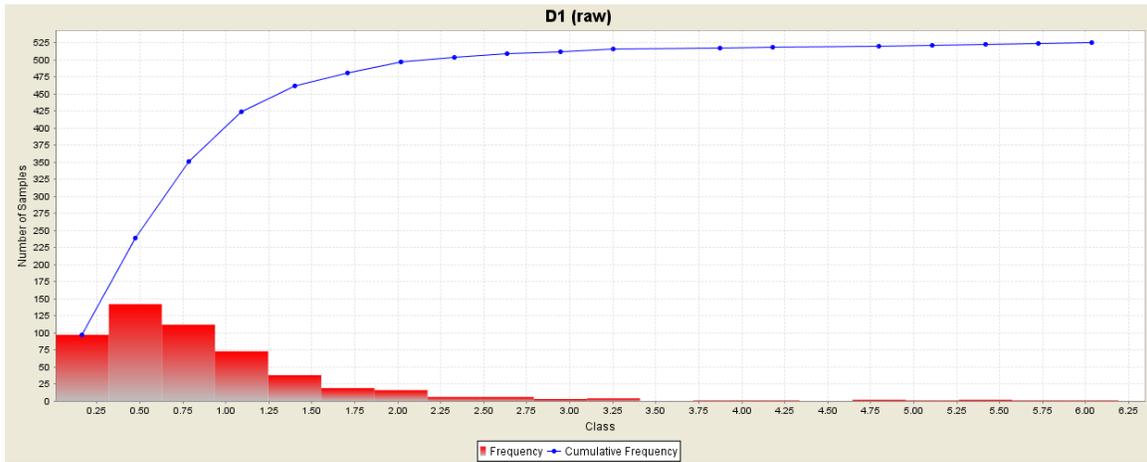
70.0 Percentile	0.980000
80.0 Percentile	1.235000
90.0 Percentile	1.730000
95.0 Percentile	2.239600
97.5 Percentile	3.095001
Trimean	0.732850
Biweight	0.704985
MAD	0.332950
Alpha	0.383347
Sichel-t	0.972870

Normal Histogram Tabulation
D1

Class	From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec	Count	Dec	Mean	Dec	Freq %		
0.010000	0.318947	97	0.166990	0.185	97	0.166990		
18.4762	525	0.886602	100.0000					
0.318947	0.627895	142	0.491051	0.270	239	0.359528		
45.5238	428	1.049692	81.5238					
0.627895	0.936842	112	0.768537	0.213	351	0.490038		
66.8571	286	1.327059	54.4762					
0.936842	1.245789	73	1.082730	0.139	424	0.592082		
80.7619	174	1.686568	33.1429					
1.245789	1.554737	38	1.398492	0.072	462	0.658410		
88.0000	101	2.123006	19.2381					
1.554737	1.863684	19	1.719563	0.036	481	0.700326		
91.6190	63	2.560014	12.0000					
1.863684	2.172632	16	2.022569	0.030	497	0.742894		
94.6667	44	2.922936	8.3810					
2.172632	2.481579	6	2.298133	0.011	503	0.761445		
95.8095	28	3.437432	5.3333					
2.481579	2.790526	6	2.591800	0.011	509	0.783021		
96.9524	22	3.748150	4.1905					
2.790526	3.099474	3	2.936333	0.006	512	0.795638		
97.5238	16	4.181781	3.0476					
3.099474	3.408421	4	3.255000	0.008	516	0.814703		
98.2857	13	4.469192	2.4762					
3.717368	4.026316	1	3.820000	0.002	517	0.820516		
98.4762	9	5.008833	1.7143					
4.026316	4.335263	1	4.287500	0.002	518	0.827209		
98.6667	8	5.157437	1.5238					
4.644211	4.953158	2	4.756000	0.004	520	0.842320		
99.0476	7	5.281714	1.3333					
4.953158	5.262105	1	4.980000	0.002	521	0.850261		
99.2381	5	5.492000	0.9524					
5.262105	5.571053	2	5.450000	0.004	523	0.867851		
99.6190	4	5.620000	0.7619					
5.571053	5.880000	1	5.700000	0.002	524	0.877073		
99.8095	2	5.790000	0.3810					
5.880000	6.188947	1	5.880000	0.002	525	0.886602		
100.0000	1	5.880000	0.1905					



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Output Filename: **fault_c_u**
11, 2009

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Statistics Report

File ../fault C U.str-3.40282e+038.str

String range All
Variable D1

Number of samples 61
Minimum value 0.000000
Maximum value 2.450000

Ungrouped Data

Grouped Data
Mean 0.562007
0.552783
Median 0.320000
0.303026
Geometric Mean Not Calculated
0.310508
Variance 0.369087
0.384401
Standard Deviation 0.607526
0.620001
Coefficient of variation 1.080994
1.121600

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.369087
0.384401
Moment 3 About Arithmetic Mean 0.365142
0.388926
Moment 4 About Arithmetic Mean 0.627238
0.681901

Skewness 1.628425
1.631887
Kurtosis 4.604416
2.632071

Natural Log Mean Not Calculated -
1.169546
Log Variance Not Calculated
1.203618

10.0 Percentile 0.085000
20.0 Percentile 0.120150
30.0 Percentile 0.214351
40.0 Percentile 0.250000
50.0 Percentile (median) 0.320000
60.0 Percentile 0.410000



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70.0 Percentile	0.510000
80.0 Percentile	0.825000
90.0 Percentile	1.585000
95.0 Percentile	2.100000
97.5 Percentile	2.145000
Trimean	0.373750
Biweight	0.336432
MAD	0.211432
Alpha	-0.000000
Sichel-t	0.000000

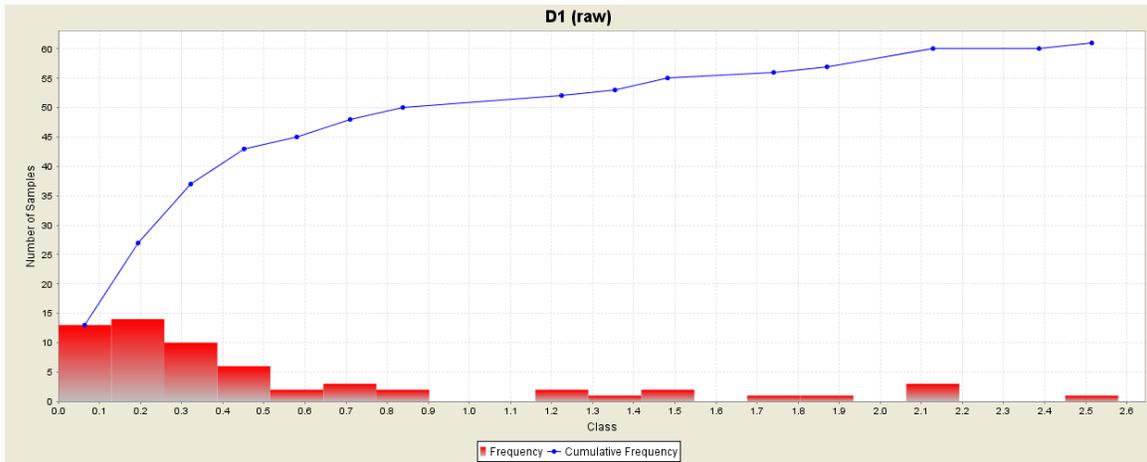
Normal Histogram Tabulation
D1

Class	From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec	Count	Dec	Mean	Dec	Freq %		
0.000000	0.128947	13	0.085600	0.213	13	0.085600		
21.3115	61	0.562007	100.0000					
0.128947	0.257895	14	0.212764	0.230	27	0.151537		
44.2623	48	0.691033	78.6885					
0.257895	0.386842	10	0.328090	0.164	37	0.199254		
60.6557	34	0.887968	55.7377					
0.386842	0.515789	6	0.480000	0.098	43	0.238428		
70.4918	24	1.121250	39.3443					
0.515789	0.644737	2	0.570000	0.033	45	0.253164		
73.7705	18	1.335000	29.5082					
0.644737	0.773684	3	0.710000	0.049	48	0.281717		
78.6885	16	1.430626	26.2295					
0.773684	0.902632	2	0.825000	0.033	50	0.303448		
81.9672	13	1.596923	21.3115					
1.160526	1.289474	2	1.255000	0.033	52	0.340046		
85.2459	11	1.737273	18.0328					
1.289474	1.418421	1	1.310000	0.016	53	0.358347		
86.8852	9	1.844444	14.7541					
1.418421	1.547368	2	1.430000	0.033	55	0.397316		
90.1639	8	1.911250	13.1148					
1.676316	1.805263	1	1.740000	0.016	56	0.421293		
91.8033	6	2.071667	9.8361					
1.805263	1.934211	1	1.880000	0.016	57	0.446884		
93.4426	5	2.138000	8.1967					
2.063158	2.192105	3	2.120000	0.049	60	0.530540		
98.3607	4	2.202500	6.5574					
2.321053	2.450000	0	0.000000	0.000	60	0.530540		
98.3607	1	2.450000	1.6393					
2.450000	2.578947	1	2.450000	0.016	61	0.562007		
100.0000	1	2.450000	1.6393					

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Output Filename: main_b_1
11, 2009

Jul

Statistics Report

File ../main B L.str-3.40282e+038.str

String range All
Variable D1

Number of samples 82
Minimum value 0.060000
Maximum value 3.150000

Ungrouped Data

Grouped Data
Mean 0.768098
0.766059
Median 0.595000
0.592249
Geometric Mean 0.564106
0.560028
Variance 0.360025
0.369299
Standard Deviation 0.600021
0.607700
Coefficient of variation 0.781178
0.793281

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.360025
0.369299
Moment 3 About Arithmetic Mean 0.300638
0.324071
Moment 4 About Arithmetic Mean 0.662825
0.737566

Skewness 1.391698
1.444017
Kurtosis 5.113690
2.376201

Natural Log Mean -0.572512 -
0.579768
Log Variance 0.679041
0.675531

10.0 Percentile 0.200000
20.0 Percentile 0.255000
30.0 Percentile 0.350000
40.0 Percentile 0.465000
50.0 Percentile (median) 0.595000
60.0 Percentile 0.735000



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70.0 Percentile	0.915000
80.0 Percentile	1.345000
90.0 Percentile	1.665000
95.0 Percentile	1.780000
97.5 Percentile	2.330000
Trimean	0.640000
Biweight	0.644958
MAD	0.370000
Alpha	0.031148
Sichel-t	0.787830

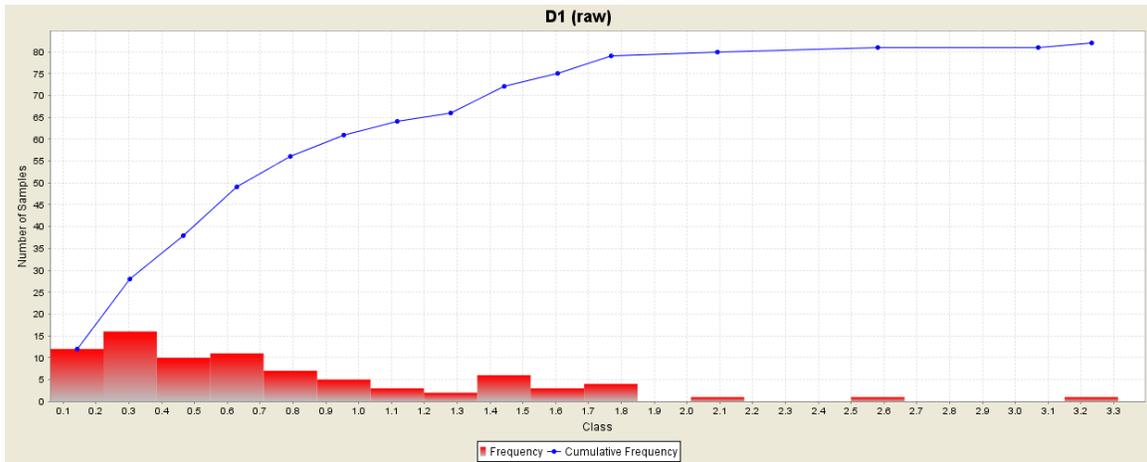
Normal Histogram Tabulation
D1

Class	From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec	Count	Dec	Mean	Dec	Freq %		
0.060000	0.222632	12	0.161667	0.146	12	0.161667		
14.6341	82	0.768098	100.0000					
0.222632	0.385263	16	0.307251	0.195	28	0.244857		
34.1463	70	0.872057	85.3659					
0.385263	0.547895	10	0.457000	0.122	38	0.300684		
46.3415	54	1.039407	65.8537					
0.547895	0.710526	11	0.630727	0.134	49	0.374776		
59.7561	44	1.171773	53.6585					
0.710526	0.873158	7	0.810000	0.085	56	0.429179		
68.2927	33	1.352121	40.2439					
0.873158	1.035789	5	0.966000	0.061	61	0.473180		
74.3902	26	1.498077	31.7073					
1.035789	1.198421	3	1.093333	0.037	64	0.502250		
78.0488	21	1.624762	25.6098					
1.198421	1.361053	2	1.285000	0.024	66	0.525970		
80.4878	18	1.713333	21.9512					
1.361053	1.523684	6	1.425000	0.073	72	0.600889		
87.8049	16	1.766875	19.5122					
1.523684	1.686316	3	1.643333	0.037	75	0.642587		
91.4634	10	1.972000	12.1951					
1.686316	1.848947	4	1.745001	0.049	79	0.698405		
96.3415	7	2.112857	8.5366					
2.011579	2.174211	1	2.160000	0.012	80	0.716676		
97.5610	3	2.603333	3.6585					
2.499474	2.662105	1	2.500000	0.012	81	0.738691		
98.7805	2	2.825000	2.4390					
2.987368	3.150000	0	0.000000	0.000	81	0.738691		
98.7805	1	3.150000	1.2195					
3.150000	3.312632	1	3.150000	0.012	82	0.768098		
100.0000	1	3.150000	1.2195					

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Output Filename: main_b_u
11, 2009

Jul

Statistics Report

File ../main B U.str-3.40282e+038.str

String range All
Variable D1

Number of samples 391
Minimum value 0.010000
Maximum value 6.300000

Ungrouped Data

Grouped Data
Mean 0.863633
0.871499
Median 0.606000
0.622447
Geometric Mean 0.545126
0.592006
Variance 0.758330
0.764622
Standard Deviation 0.870821
0.874427
Coefficient of variation 1.008323
1.003360

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.758330
0.764622
Moment 3 About Arithmetic Mean 1.880562
1.939776
Moment 4 About Arithmetic Mean 8.711258
9.118303

Skewness 2.847740
2.901222
Kurtosis 15.148319
3.317855

Natural Log Mean -0.606739 -
0.524239
Log Variance 1.184325
0.783719

10.0 Percentile 0.160000
20.0 Percentile 0.270000
30.0 Percentile 0.380000
40.0 Percentile 0.490000
50.0 Percentile (median) 0.606000
60.0 Percentile 0.760000



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70.0 Percentile	0.920000
80.0 Percentile	1.305200
90.0 Percentile	1.920000
95.0 Percentile	2.325000
97.5 Percentile	3.090000
Trimean	0.646751
Biweight	0.628426
MAD	0.345000
Alpha	0.069166
Sichel-t	0.983165

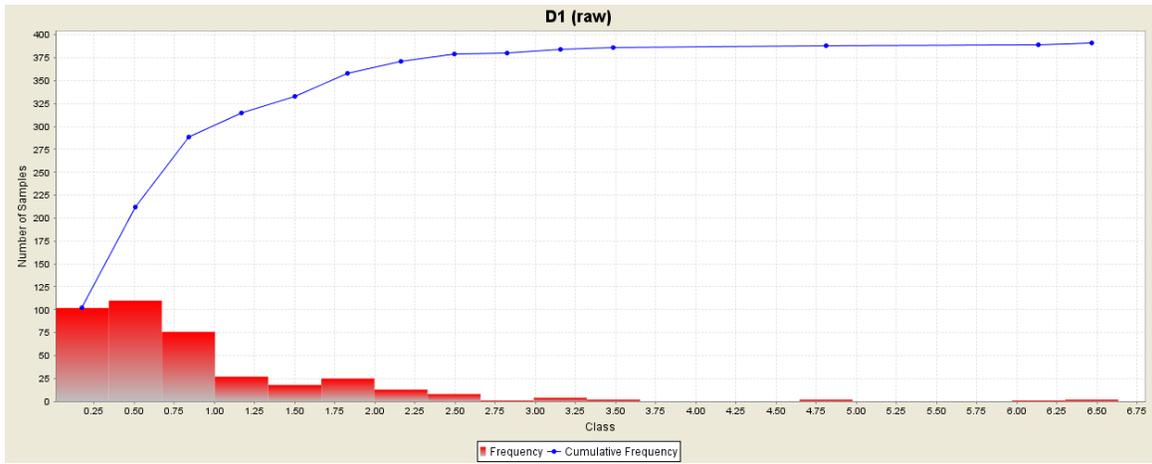
Normal Histogram Tabulation
D1

Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec Count	Dec Mean	Dec	Freq %			
0.010000	0.341053	102	0.179975	0.261	102	0.179975	
26.0870		391	0.863633	100.0000			
0.341053	0.672105	110	0.500435	0.281	212	0.346251	
54.2199		289	1.104924	73.9130			
0.672105	1.003158	76	0.825522	0.194	288	0.472726	
73.6573		179	1.476398	45.7801			
1.003158	1.334211	27	1.150133	0.069	315	0.530789	
80.5627		103	1.956655	26.3427			
1.334211	1.665263	18	1.477361	0.046	333	0.581955	
85.1662		76	2.243183	19.4373			
1.665263	1.996316	25	1.826280	0.064	358	0.668849	
91.5601		58	2.480852	14.8338			
1.996316	2.327368	13	2.145108	0.033	371	0.720578	
94.8849		33	2.976739	8.4399			
2.327368	2.658421	8	2.443000	0.020	379	0.756935	
96.9309		20	3.517300	5.1151			
2.658421	2.989474	1	2.700000	0.003	380	0.762049	
97.1867		12	4.233500	3.0691			
2.989474	3.320526	4	3.157501	0.010	384	0.787001	
98.2097		11	4.372909	2.8133			
3.320526	3.651579	2	3.540000	0.005	386	0.801266	
98.7212		7	5.067429	1.7903			
4.644737	4.975789	2	4.796000	0.005	388	0.821857	
99.2327		5	5.678400	1.2788			
5.968947	6.300000	1	6.200000	0.003	389	0.835683	
99.4885		3	6.266667	0.7673			
6.300000	6.631053	2	6.300000	0.005	391	0.863633	
100.0000		2	6.300000	0.5115			

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Tim Callaghan – Resource and Exploration Geology





Output Filename: main_c_1
11, 2009

Jul

Statistics Report

File ../main C L.str-3.40282e+038.str

String range All
Variable D1

Number of samples 362
Minimum value 0.010000
Maximum value 6.000000

Ungrouped Data

Grouped Data
Mean 0.883824
0.893956
Median 0.680000
0.705635
Geometric Mean 0.582734
0.627567
Variance 0.687929
0.688206
Standard Deviation 0.829415
0.829582
Coefficient of variation 0.938439
0.927990

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.687929
0.688206
Moment 3 About Arithmetic Mean 1.482337
1.488884
Moment 4 About Arithmetic Mean 5.987075
6.077900

Skewness 2.597953
2.607853
Kurtosis 12.651068
3.143575

Natural Log Mean -0.540024 -
0.465905
Log Variance 1.094635
0.746522

10.0 Percentile 0.170000
20.0 Percentile 0.310000
30.0 Percentile 0.442000
40.0 Percentile 0.597000
50.0 Percentile (median) 0.680000
60.0 Percentile 0.779000



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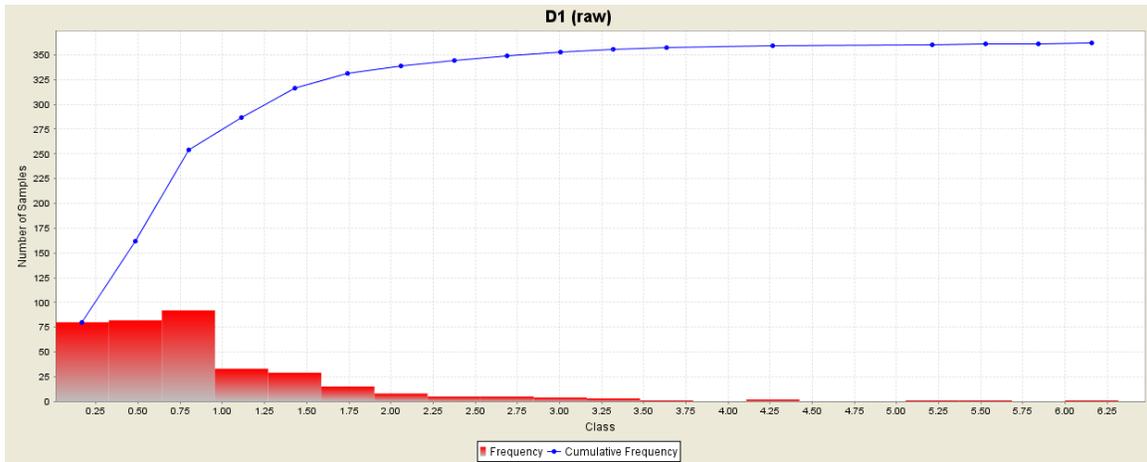
70.0 Percentile	0.950000
80.0 Percentile	1.295000
90.0 Percentile	1.730000
95.0 Percentile	2.560000
97.5 Percentile	3.115000
Trimean	0.707500
Biweight	0.683798
MAD	0.363798
Alpha	0.311667
Sichel-t	1.004976

Normal Histogram Tabulation
D1

Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec Count	Dec Mean	Dec Freq %				
0.010000	0.325263	80	0.170630	0.221	80	0.170630	
22.0994		362	0.883824	100.0000			
0.325263	0.640526	82	0.489326	0.227	162	0.331945	
44.7514		282	1.086148	77.9006			
0.640526	0.955789	92	0.765117	0.254	254	0.488842	
70.1657		200	1.330846	55.2486			
0.955789	1.271053	33	1.109618	0.091	287	0.560221	
79.2818		108	1.812762	29.8343			
1.271053	1.586316	29	1.419217	0.080	316	0.639053	
87.2928		75	2.122145	20.7182			
1.586316	1.901579	15	1.703233	0.041	331	0.687278	
91.4365		46	2.565296	12.7072			
1.901579	2.216842	8	2.037638	0.022	339	0.719145	
93.6464		31	2.982423	8.5635			
2.216842	2.532105	5	2.364000	0.014	344	0.743053	
95.0276		23	3.311043	6.3536			
2.532105	2.847368	5	2.686000	0.014	349	0.770889	
96.4088		18	3.574111	4.9724			
2.847368	3.162632	4	2.935000	0.011	353	0.795411	
97.5138		13	3.915692	3.5912			
3.162632	3.477895	3	3.290000	0.008	356	0.816433	
98.3425		9	4.351556	2.4862			
3.477895	3.793158	1	3.780000	0.003	357	0.824734	
98.6188		6	4.882333	1.6575			
4.108421	4.423684	2	4.392000	0.006	359	0.844608	
99.1713		5	5.102800	1.3812			
5.054211	5.369474	1	5.280000	0.003	360	0.856928	
99.4475		3	5.576667	0.8287			
5.369474	5.684737	1	5.450000	0.003	361	0.869652	
99.7238		2	5.725000	0.5525			
5.684737	6.000000	0	0.000000	0.000	361	0.869652	
99.7238		1	6.000000	0.2762			
6.000000	6.315263	1	6.000000	0.003	362	0.883824	
100.0000		1	6.000000	0.2762			



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Output Filename: main_c_u
11, 2009

Jul

Statistics Report

File ../main C U.str-3.40282e+038.str

```
-----
String range              All
Variable                  D1

Number of samples        700
Minimum value            0.010000
Maximum value            30.500000
```

Ungrouped Data

```
Grouped Data
Mean                      0.735541
1.076004
Median                    0.410000
0.890342
Geometric Mean            0.403950
0.916397
Variance                  2.212632
2.075254
Standard Deviation        1.487492
1.440574
Coefficient of variation   2.022310
1.338819

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 2.212632
2.075254
Moment 3 About Arithmetic Mean 41.933643
43.225055
Moment 4 About Arithmetic Mean 1151.540787
1218.004435

Skewness                  12.740859
14.458683
Kurtosis                  235.212729
10.036751

Natural Log Mean          -0.906464  -
0.087306
Log Variance              1.168160
0.170057

10.0 Percentile           0.111000
20.0 Percentile           0.190000
30.0 Percentile           0.260000
40.0 Percentile           0.326400
50.0 Percentile (median)  0.410000
60.0 Percentile           0.500000
```



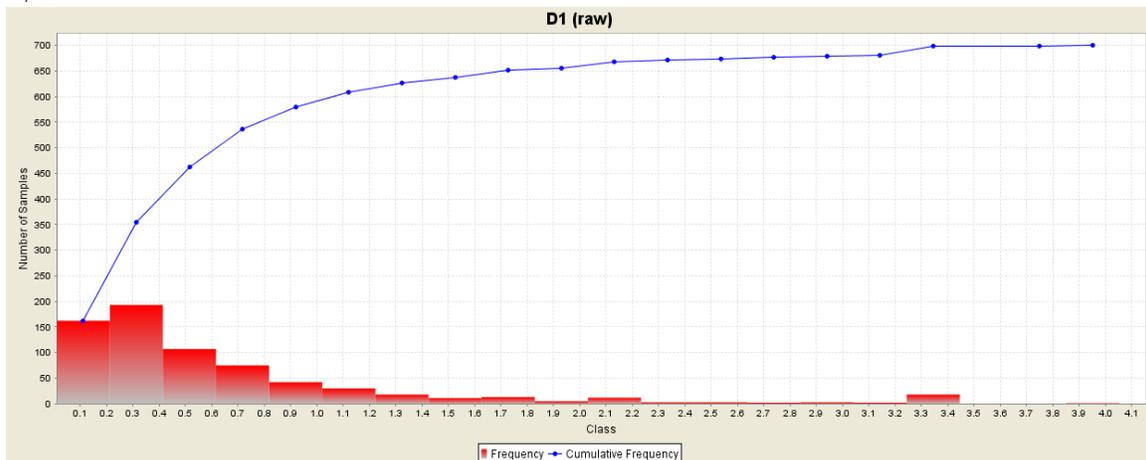
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70.0 Percentile	0.660000
80.0 Percentile	0.945000
90.0 Percentile	1.475000
95.0 Percentile	2.163000
97.5 Percentile	3.322000
Trimean	0.455712
Biweight	0.429146
MAD	0.238401
Alpha	0.005711
Sichel-t	0.723465

Normal Histogram Tabulation
D1

Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean
Cum Freq %	Dec Count	Dec Mean	Dec Freq %			
0.010000	1.614737	638	0.465748	0.911	638	0.465748
91.1429	700	0.735541	100.0000			
1.614737	3.219474	42	2.129310	0.060	680	0.568497
97.1429	62	3.511797	8.8571			
3.219474	4.824211	11	3.726709	0.016	691	0.618773
98.7143	20	6.415020	2.8571			
4.824211	6.428947	3	5.253333	0.004	694	0.638807
99.1429	9	9.700733	1.2857			
6.428947	8.033684	3	7.203200	0.004	697	0.667061
99.5714	6	11.924433	0.8571			
8.033684	9.638421	1	9.337000	0.001	698	0.679482
99.7143	3	16.645667	0.4286			
9.638421	11.243158	1	10.100000	0.001	699	0.692960
99.8571	2	20.300000	0.2857			
28.895263	30.500000	0	0.000000	0.000	699	0.692960
99.8571	1	30.500000	0.1429			
30.500000	32.104737	1	30.500000	0.001	700	0.735541
100.0000	1	30.500000	0.1429			

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Output Filename: west_b_1
11, 2009

Jul

Statistics Report

File ../west B L.str-3.40282e+038.str

String range All
Variable D1

Number of samples 9
Minimum value 0.050000
Maximum value 1.910000

Ungrouped Data

Grouped Data
Mean 0.633111
0.653684
Median 0.570000
0.588421
Geometric Mean 0.394932
0.446721
Variance 0.288568
0.289631
Standard Deviation 0.537185
0.538174
Coefficient of variation 0.848485
0.823293

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.288568
0.289631
Moment 3 About Arithmetic Mean 0.186012
0.203824
Moment 4 About Arithmetic Mean 0.321786
0.346289

Skewness 1.199965
1.307642
Kurtosis 3.864301
2.429776

Natural Log Mean -0.929042 -
0.805822
Log Variance 1.241380
0.899012

10.0 Percentile 0.065000
20.0 Percentile 0.177000
30.0 Percentile 0.318000
40.0 Percentile 0.466001
50.0 Percentile (median) 0.570000
60.0 Percentile 0.667000



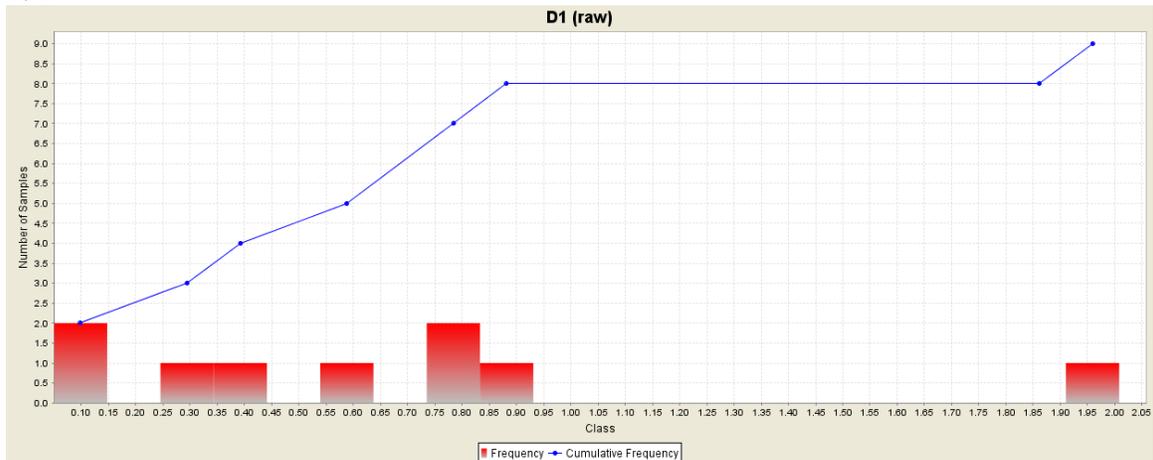
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70.0 Percentile	0.772000
80.0 Percentile	0.844000
90.0 Percentile	1.409000
95.0 Percentile	1.910000
97.5 Percentile	1.910000
Trimean	0.540250
Biweight	0.538406
MAD	0.361406
Alpha	0.698548
Sichel-t	0.667300

Normal Histogram Tabulation
D1

Class	From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec	Count	Dec	Mean	Dec	Freq %		
0.050000	0.147895	2	0.065000	0.222	2	0.065000		
22.2222	9	0.633111	100.0000					
0.245789	0.343684	1	0.274000	0.111	3	0.134667		
33.3333	7	0.795429	77.7778					
0.343684	0.441579	1	0.362000	0.111	4	0.191500		
44.4444	6	0.882333	66.6667					
0.539474	0.637368	1	0.570000	0.111	5	0.267200		
55.5556	5	0.986400	55.5556					
0.735263	0.833158	2	0.772000	0.222	7	0.411429		
77.7778	4	1.090500	44.4444					
0.833158	0.931053	1	0.908000	0.111	8	0.473500		
88.8889	2	1.409000	22.2222					
1.812105	1.910000	0	0.000000	0.000	8	0.473500		
88.8889	1	1.910000	11.1111					
1.910000	2.007895	1	1.910000	0.111	9	0.633111		
100.0000	1	1.910000	11.1111					

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Output Filename: west_b_u
11, 2009

Jul

Statistics Report

File ../west B U.str-3.40282e+038.str

String range All
Variable D1

Number of samples 83
Minimum value 0.000000
Maximum value 2.120000

Ungrouped Data

Grouped Data
Mean 0.552635
0.563944
Median 0.460000
0.463053
Geometric Mean Not Calculated
0.369837
Variance 0.248963
0.238573
Standard Deviation 0.498962
0.488440
Coefficient of variation 0.902878
0.866113

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.248963
0.238573
Moment 3 About Arithmetic Mean 0.173659
0.172880
Moment 4 About Arithmetic Mean 0.283029
0.276679

Skewness 1.397962
1.483583
Kurtosis 4.566262
3.037393

Natural Log Mean Not Calculated -
0.994692
Log Variance Not Calculated
1.042542

10.0 Percentile 0.005000
20.0 Percentile 0.141800
30.0 Percentile 0.287000
40.0 Percentile 0.350000
50.0 Percentile (median) 0.460000
60.0 Percentile 0.557000



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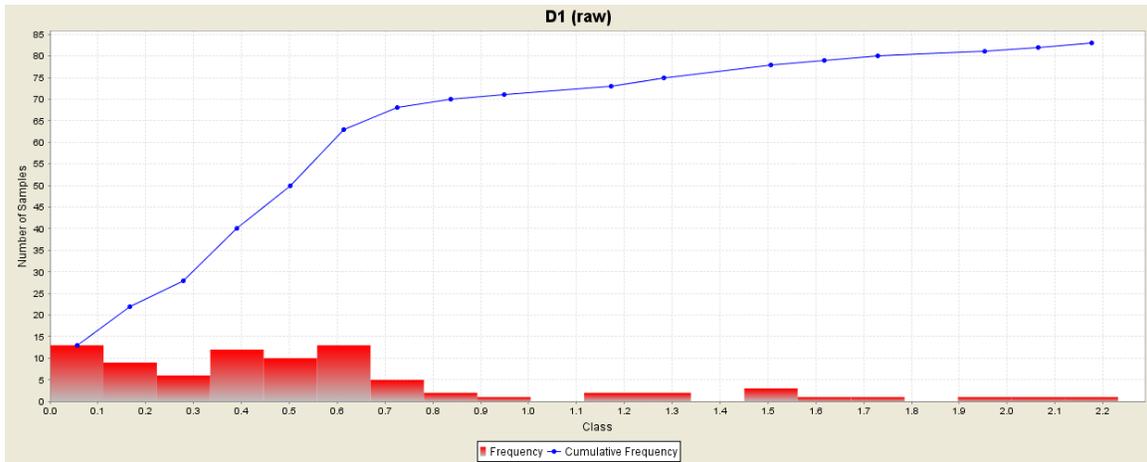
70.0 Percentile	0.585000
80.0 Percentile	0.751400
90.0 Percentile	1.415000
95.0 Percentile	1.650000
97.5 Percentile	2.015001
Trimean	0.440000
Biweight	0.416110
MAD	0.230000
Alpha	0.409050
Sichel-t	0.000000

Normal Histogram Tabulation
D1

Class	From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec	Count	Dec	Mean	Dec	Freq %		
0.000000	0.111579	13	0.012300	0.157	13	0.012300		
15.6627	83	0.552635	100.0000					
0.111579	0.223158	9	0.162767	0.108	22	0.073855		
26.5060	70	0.652983	84.3373					
0.223158	0.334737	6	0.279833	0.072	28	0.117993		
33.7349	61	0.725310	73.4940					
0.334737	0.446316	12	0.366158	0.145	40	0.192443		
48.1928	55	0.773907	66.2651					
0.446316	0.557895	10	0.512300	0.120	50	0.256414		
60.2410	43	0.887698	51.8072					
0.557895	0.669474	13	0.587846	0.157	63	0.324805		
75.9036	33	1.001455	39.7590					
0.669474	0.781053	5	0.732200	0.060	68	0.354760		
81.9277	20	1.270300	24.0964					
0.781053	0.892632	2	0.846000	0.024	70	0.368796		
84.3373	15	1.449667	18.0723					
0.892632	1.004211	1	0.986600	0.012	71	0.377497		
85.5422	13	1.542538	15.6627					
1.115789	1.227368	2	1.193200	0.024	73	0.399845		
87.9518	12	1.588867	14.4578					
1.227368	1.338947	2	1.315000	0.024	75	0.424249		
90.3614	10	1.668000	12.0482					
1.450526	1.562105	3	1.533333	0.036	78	0.466906		
93.9759	8	1.756250	9.6386					
1.562105	1.673684	1	1.610000	0.012	79	0.481376		
95.1807	5	1.890000	6.0241					
1.673684	1.785263	1	1.690000	0.012	80	0.496484		
96.3855	4	1.960000	4.8193					
1.896842	2.008421	1	1.940000	0.012	81	0.514305		
97.5904	3	2.050000	3.6145					
2.008421	2.120000	1	2.090000	0.012	82	0.533521		
98.7952	2	2.105000	2.4096					
2.120000	2.231579	1	2.120000	0.012	83	0.552635		
100.0000	1	2.120000	1.2048					



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Output Filename: west_c_1
11, 2009

Jul

Statistics Report

File ../west C L.str-3.40282e+038.str

String range All
Variable D1

Number of samples 115
Minimum value 0.010000
Maximum value 6.190000

Ungrouped Data

Grouped Data
Mean 0.820757
0.811844
Median 0.658400
0.645280
Geometric Mean 0.556762
0.579078
Variance 0.614800
0.645688
Standard Deviation 0.784092
0.803547
Coefficient of variation 0.955328
0.989780

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 0.614800
0.645688
Moment 3 About Arithmetic Mean 1.668467
1.843037
Moment 4 About Arithmetic Mean 7.996093
9.077848

Skewness 3.461124
3.552219
Kurtosis 21.154873
4.420671

Natural Log Mean -0.585617 -
0.546318
Log Variance 1.048858
0.675137

10.0 Percentile 0.180000
20.0 Percentile 0.305000
30.0 Percentile 0.460000
40.0 Percentile 0.552000
50.0 Percentile (median) 0.658400
60.0 Percentile 0.754750



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70.0 Percentile	0.870000
80.0 Percentile	1.010000
90.0 Percentile	1.720000
95.0 Percentile	2.375000
97.5 Percentile	2.600000

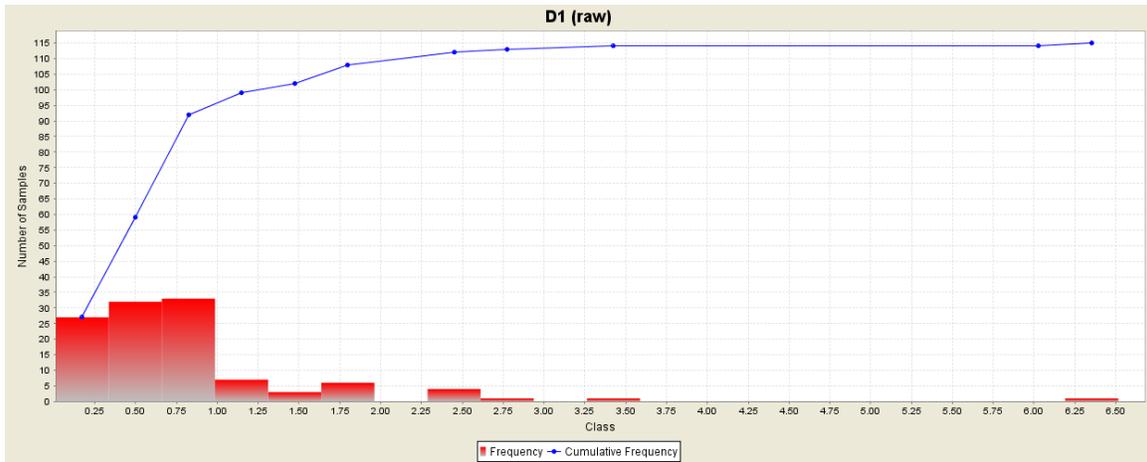
Trimean	0.657950
Biweight	0.620587
MAD	0.294413
Alpha	0.212432
Sichel-t	0.934212

Normal Histogram Tabulation
D1

Class	From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean	Cum
Freq %	Dec	Count	Dec	Mean	Dec	Freq %		
0.010000	0.335263	27	0.196444	0.235	27	0.196444		
23.4783	115	0.820757	100.0000					
0.335263	0.660526	32	0.528834	0.278	59	0.376724		
51.3043	88	1.012307	76.5217					
0.660526	0.985789	33	0.817597	0.287	92	0.534863		
80.0000	56	1.288577	48.6957					
0.985789	1.311053	7	1.155714	0.061	99	0.578762		
86.0870	23	1.964330	20.0000					
1.311053	1.636316	3	1.503333	0.026	102	0.605955		
88.6957	16	2.318100	13.9130					
1.636316	1.961579	6	1.781133	0.052	108	0.671243		
93.9130	13	2.506123	11.3043					
2.286842	2.612105	4	2.425700	0.035	112	0.733902		
97.3913	7	3.127543	6.0870					
2.612105	2.937368	1	2.700000	0.009	113	0.751301		
98.2609	3	4.063333	2.6087					
3.262632	3.587895	1	3.300000	0.009	114	0.773658		
99.1304	2	4.745000	1.7391					
5.864737	6.190000	0	0.000000	0.000	114	0.773658		
99.1304	1	6.190000	0.8696					
6.190000	6.515263	1	6.190000	0.009	115	0.820757		
100.0000	1	6.190000	0.8696					



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Output Filename: west_c_u
11, 2009

Jul

Statistics Report

File ../west C U.str-3.40282e+038.str

String range All
Variable D1

Number of samples 226
Minimum value 0.010000
Maximum value 14.100000

Ungrouped Data

Grouped Data
Mean 0.688887
0.758142
Median 0.399400
0.540370
Geometric Mean 0.424509
0.562227
Variance 1.186508
1.212987
Standard Deviation 1.089269
1.101357
Coefficient of variation 1.581202
1.452706

Moment 1 About Arithmetic Mean 0.000000
0.000000
Moment 2 About Arithmetic Mean 1.186508
1.212987
Moment 3 About Arithmetic Mean 11.208574
12.033075
Moment 4 About Arithmetic Mean 144.791016
158.457432

Skewness 8.672501
9.007256
Kurtosis 102.849047
8.178327

Natural Log Mean -0.856823 -
0.575850
Log Variance 0.962247
0.411997

10.0 Percentile 0.146750
20.0 Percentile 0.200200
30.0 Percentile 0.270150
40.0 Percentile 0.319500
50.0 Percentile (median) 0.399400
60.0 Percentile 0.520000



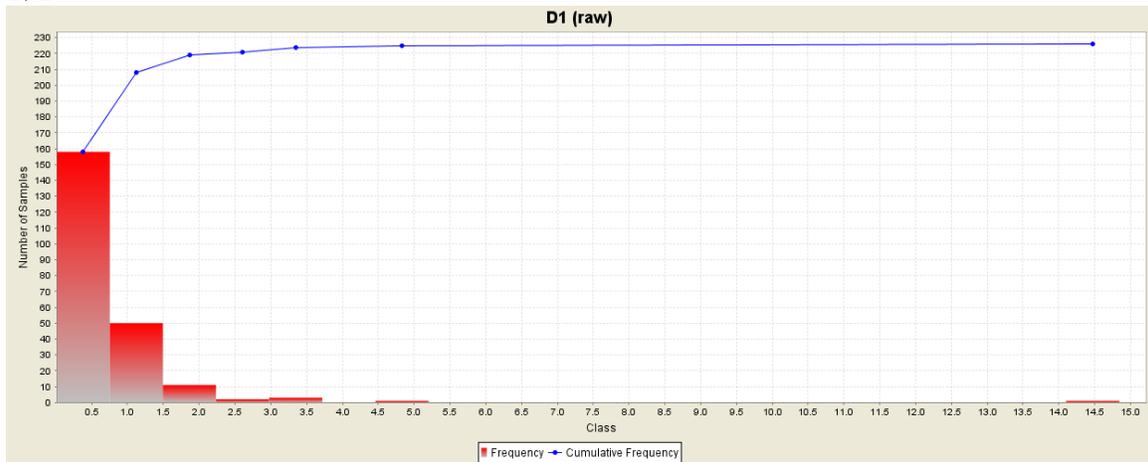
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70.0 Percentile	0.741400
80.0 Percentile	0.998000
90.0 Percentile	1.295000
95.0 Percentile	1.860000
97.5 Percentile	2.675000
Trimean	0.484700
Biweight	0.487168
MAD	0.286018
Alpha	-0.009900
Sichel-t	0.684660

Normal Histogram Tabulation
D1

Class From	Class To	Count	Mean	Freq %	Cum Count	Cum Mean
Cum Freq %	Dec Count	Dec Mean	Dec Freq %			
0.010000	0.751579	158	0.315044	0.699	158	0.315044
69.9115		226	0.688887	100.0000		
0.751579	1.493158	50	1.060800	0.221	208	0.494313
92.0354		68	1.557522	30.0885		
1.493158	2.234737	11	1.781955	0.049	219	0.558989
96.9027		18	2.937306	7.9646		
2.234737	2.976316	2	2.675000	0.009	221	0.578138
97.7876		7	4.752857	3.0973		
2.976316	3.717895	3	3.106667	0.013	224	0.612002
99.1150		5	5.584000	2.2124		
4.459474	5.201053	1	4.500000	0.004	225	0.629282
99.5575		2	9.300000	0.8850		
14.100000	14.841579	1	14.100000	0.004	226	0.688887
100.0000		1	14.100000	0.4425		

1/1





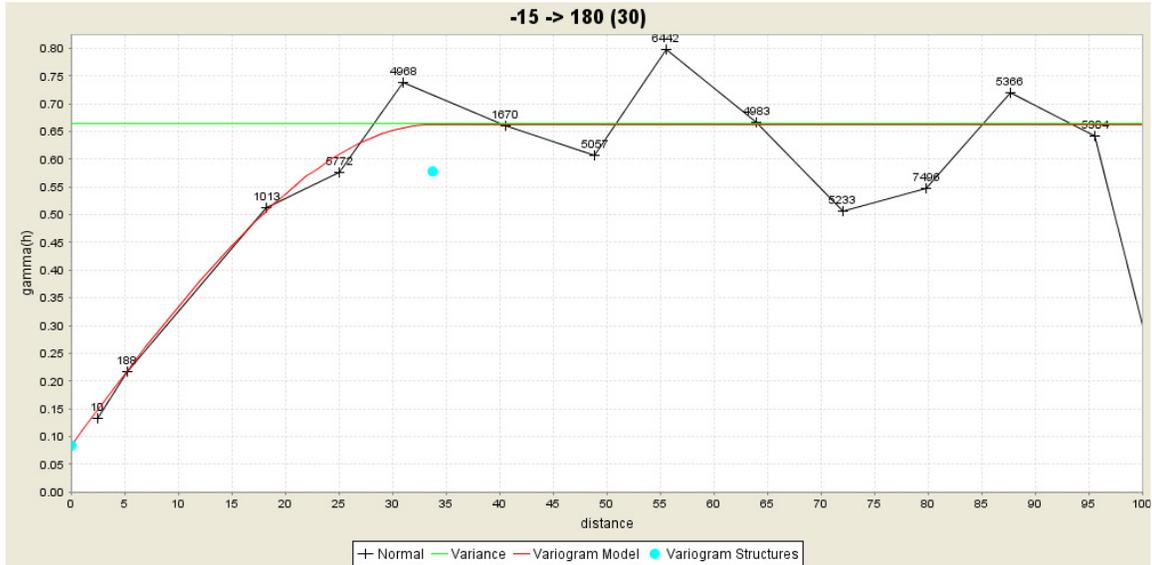
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Appendix 3

Bold Head Variography



BFB_350 Variogram Model



VARIOGRAM MODELLING

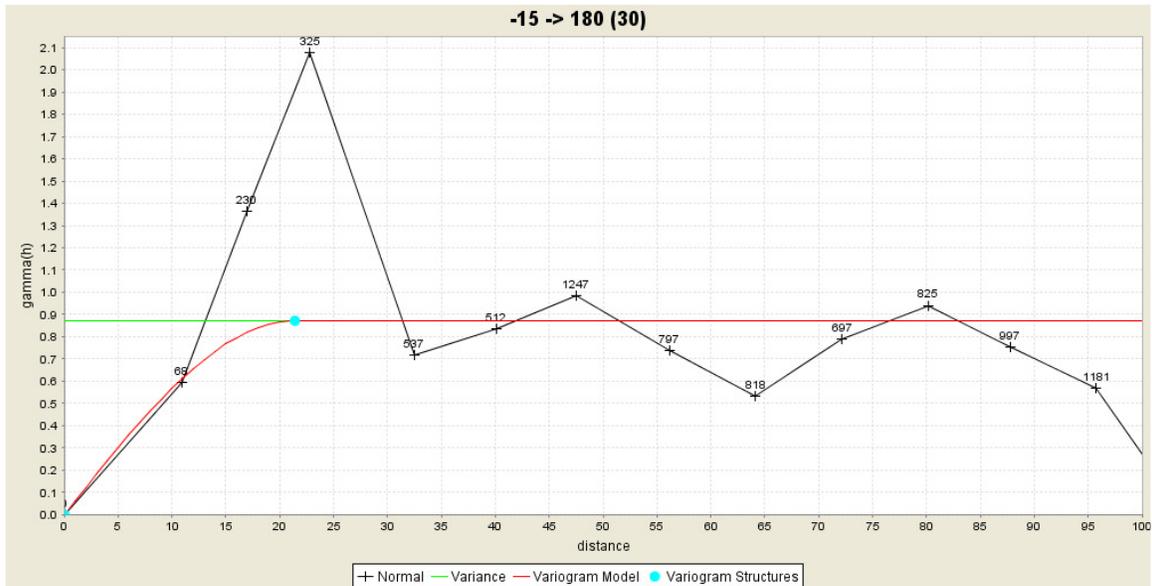
14-Jul-2009

Current variogram model parameters

Model Type	:	Spherical
Nugget	:	0.084628
Structure	Sill	Range
1	0.577308	33.762



Fault B Upper Variogram Model



VARIOGRAM MODELLING

14-Jul-2009

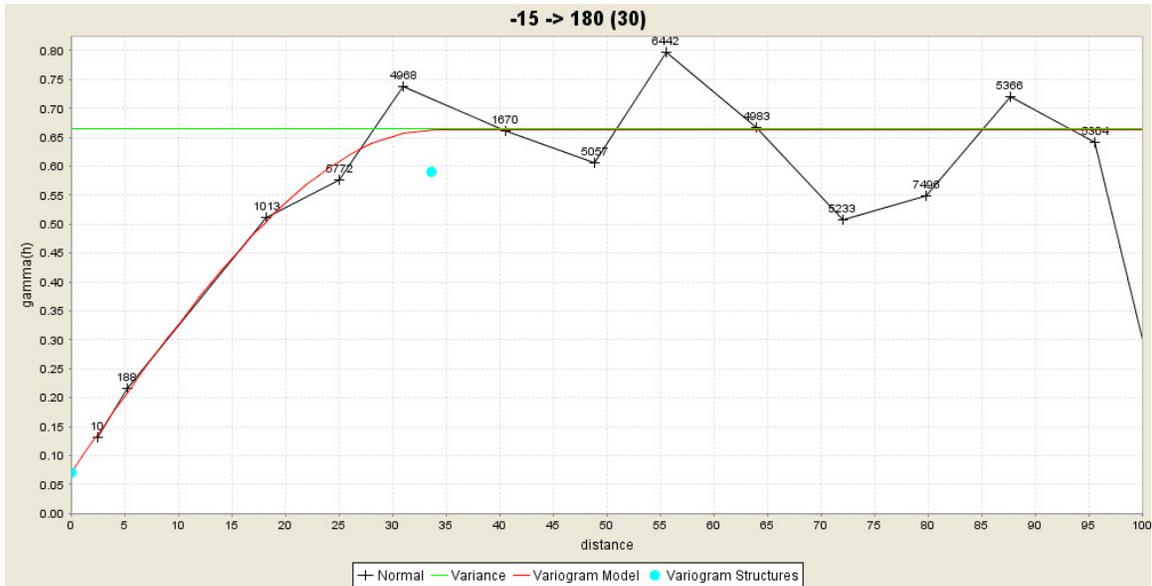
Current variogram model parameters

Model Type : Spherical
Nugget : 0.000427

Structure	Sill	Range
1	0.872077	21.405



Fault C Lower Variogram Model



VARIOGRAM MODELLING

14-Jul-2009

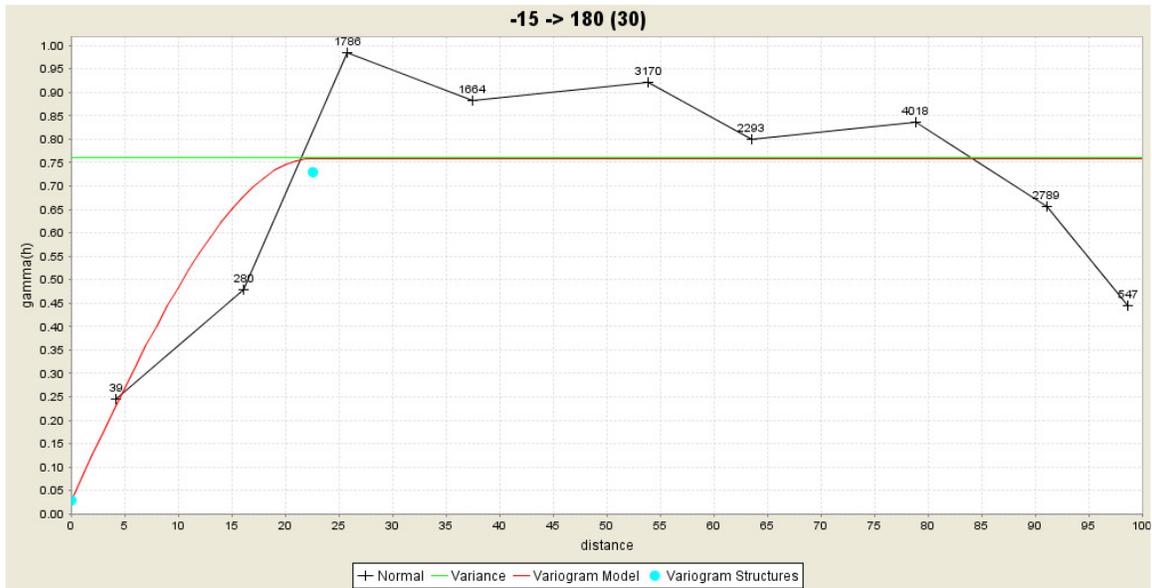
Current variogram model parameters

Model Type : Spherical
Nugget : 0.071235

Structure Sill Range
1 0.590830 33.643



Main B Upper - Variogram Model



VARIOGRAM MODELLING

14-Jul-2009

Current variogram model parameters

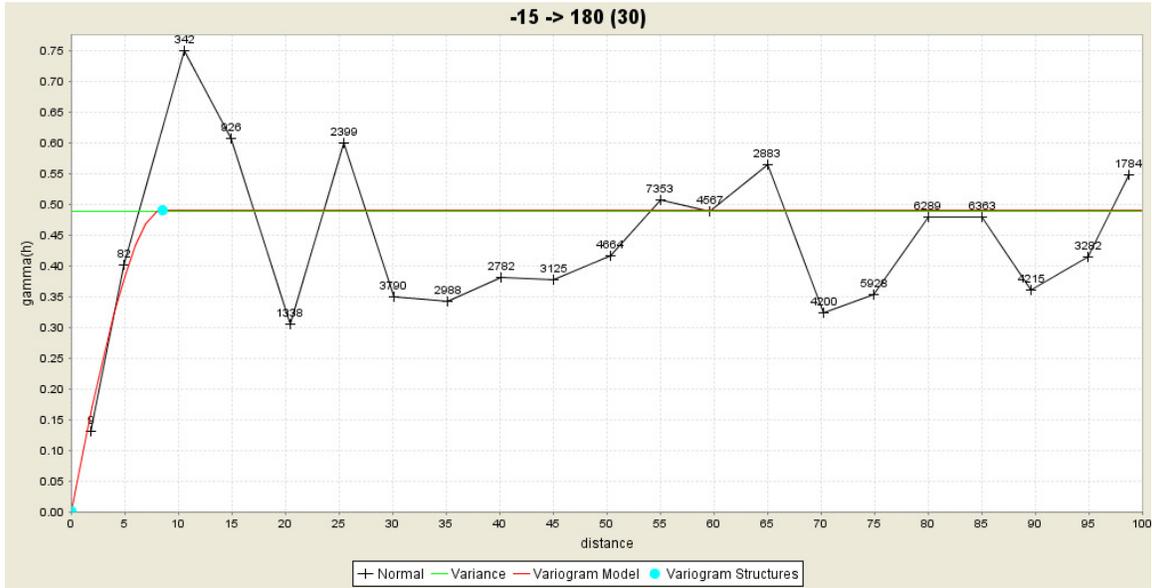
Model Type : Spherical
Nugget : 0.029485

Structure	Sill	Range
1	0.730052	22.546



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Main C Upper - Variogram Model



VARIOGRAM MODELLING

14-Jul-2009

Current variogram model parameters

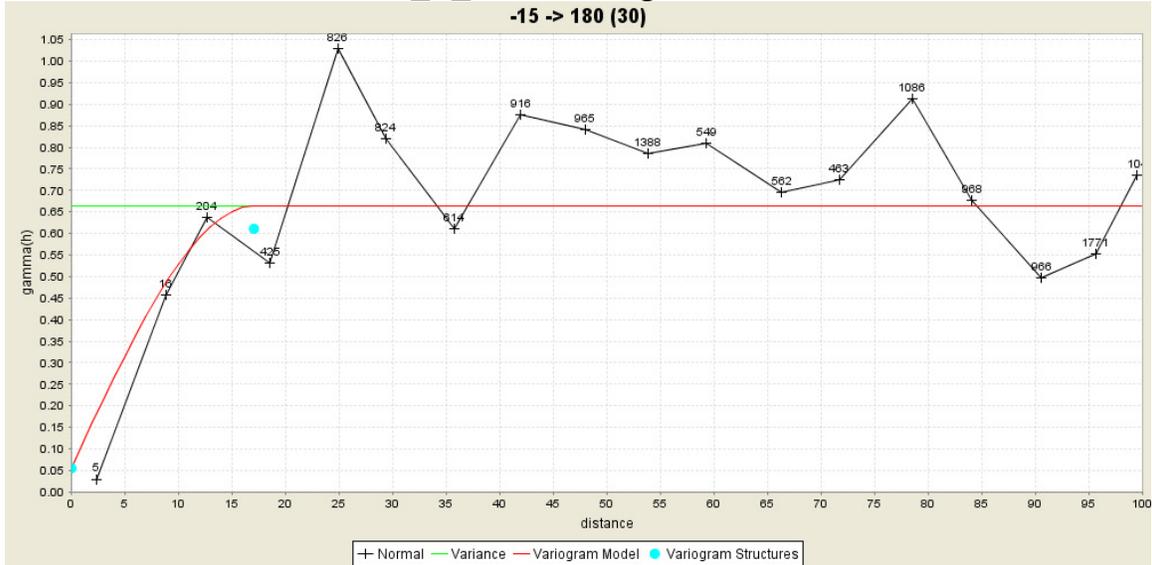
Model Type : Spherical
Nugget : 0.000819

Structure	Sill	Range
1	0.490458	8.532



Main_C_lower variogram model

-15 -> 180 (30)



VARIOGRAM MODELLING

14-Jul-2009

Current variogram model parameters

Model Type : Spherical
Nugget : 0.054112

Structure	Sill	Range
1	0.610361	17.114