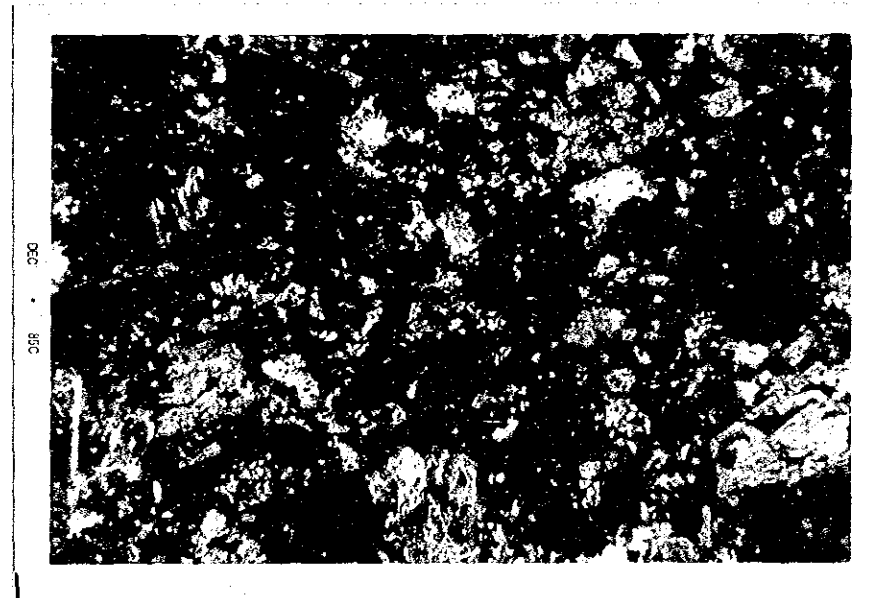
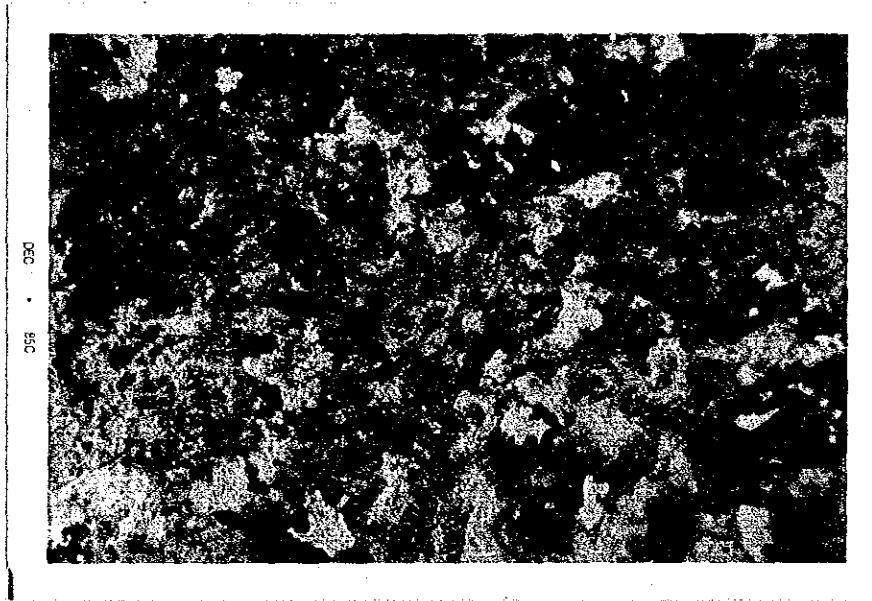


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Appendix 1
Microphotographs (Thin section)

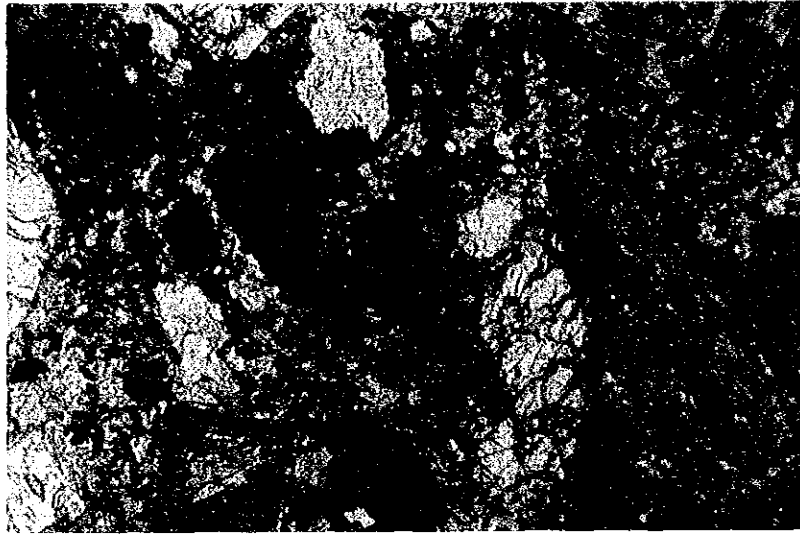


No. H524-1

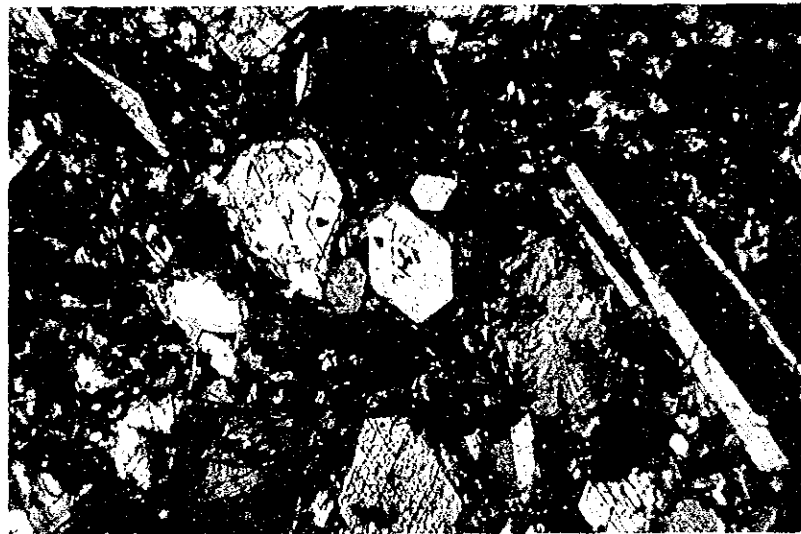
Hornblende andesite

Phenocrysts are composed of plagioclase (andesine to labradorite) and hornblende. * Foliated chlorite is scattered in matrix of fine grained plagioclase and glass. Magnetite is present.

* The latter shows strong anisotropy.



350
•
350

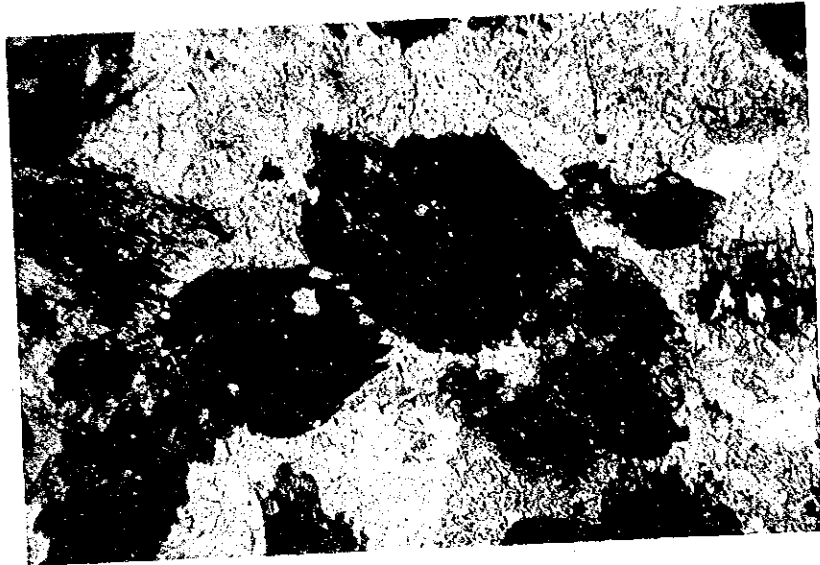


350
•
350

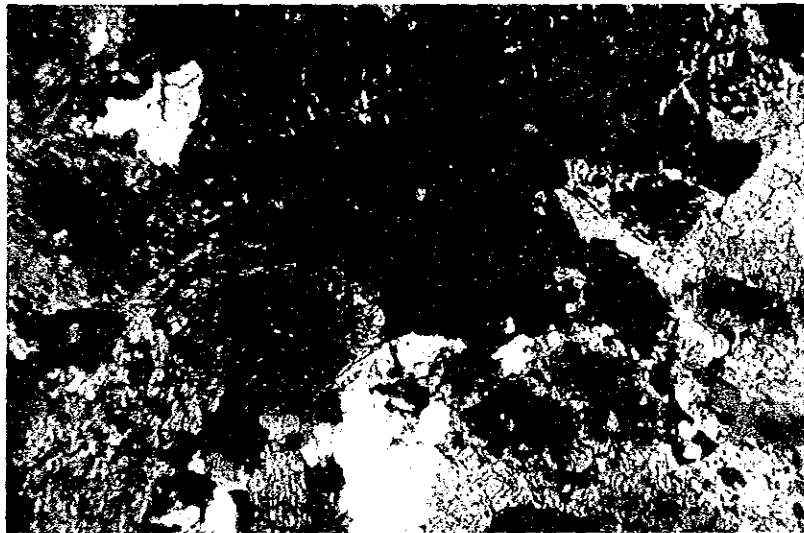
No. J514-9

Two pyroxene andesite

The rock shows hyaloophitic texture. Phenocrysts is plagioclase and augite. Chlorite replaces augite. Matrix contains abundantly magnetite.



DEC . 85C

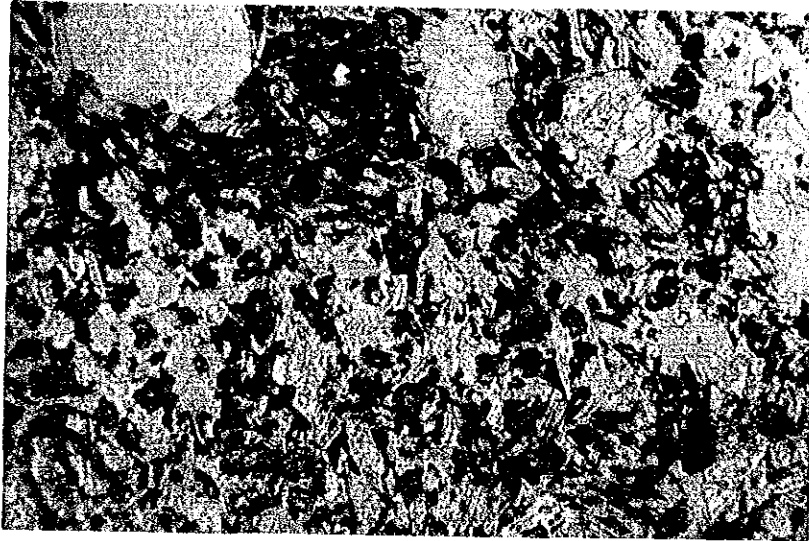


DEC . 85C

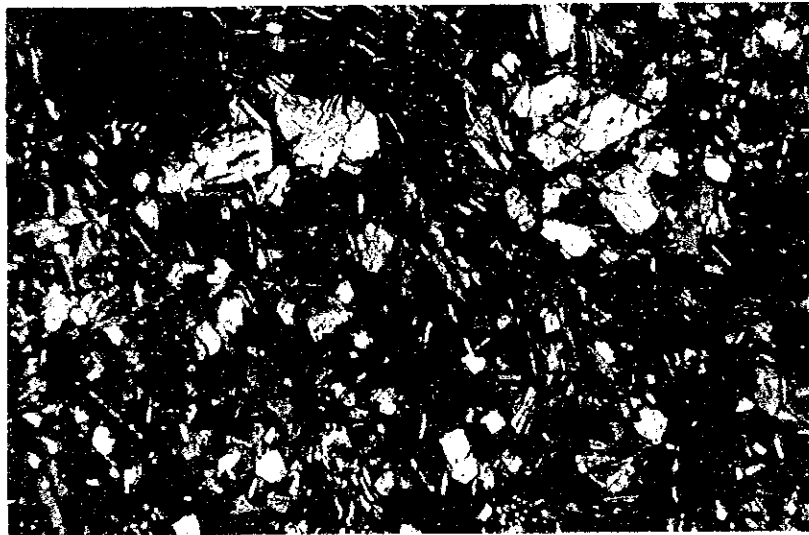
No. B517-2

Augite andesite

The rock shows porphyritic texture. Phenocrysts are composed of plagioclase and augite. As a whole alteration product is chlorite. Many augite is largely replaced by chlorite.



DEC • 85C

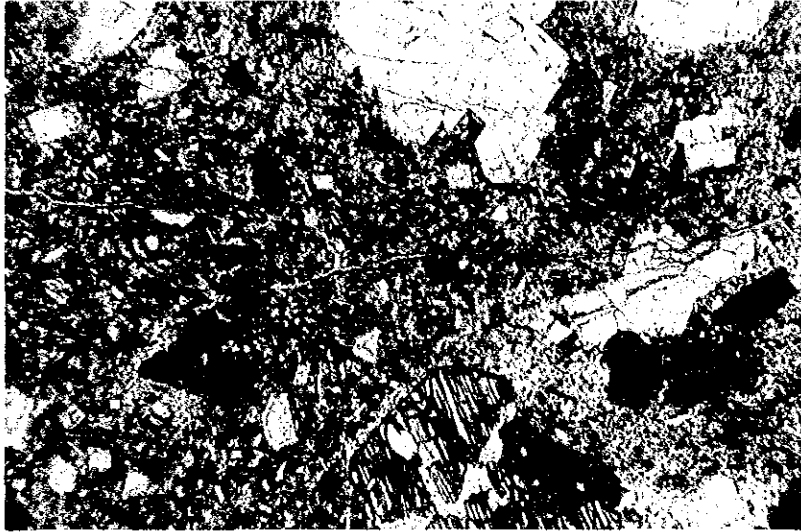


DEC • 85C

No. B617-1

Pyroxene andesite

The rock shows fairly flow texture. Phenocrysts are composed of flesh plagioclase and subhedral to anhedral augite. Matrix of lath shaped crystals of plagioclase with glass in an intergranular.



DEC • 85C



DEC • 85C

No. Ao 529-36

Basalt

Phenocrysts are composed of plagioclase (mainly andesine) and augite. Foliated chlorite fills in an intergranular matrix. Magnetite is present.



DEC • 85C

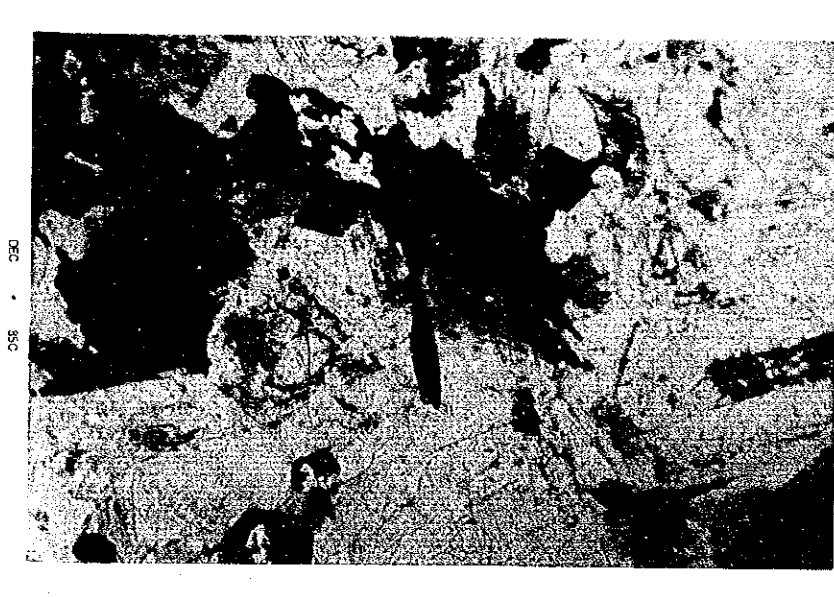


DEC • 85C

No. CO/2785

Quartz diorite

Phenocryst is composed of plagioclase (mainly andesine), amphibole, biotite and quartz. Small amount of sphene, zircon and apatite are present.



NO. I54-3264 II

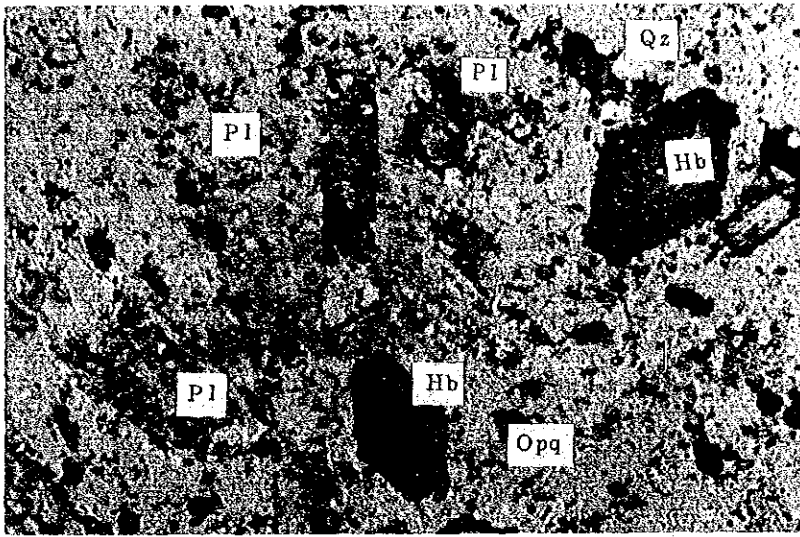
Hornblende quartz diorite

The rock is holocrystalline and flesh. Plagioclase is large crystal with basic center mainly and containing sometimes hornblende fragment. Hornblende shows sometimes poikilitic texture and anisotropy. Quartz is abundant as an intergranular filling. Mafic minerals are altered partly to chlorite. Magnetite is present.

Bonakan

Altered andesite

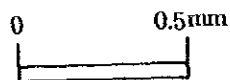
Containing phenocryst
of plagioclase in
skelton crystal and
opaicized amphibole.



Open nicol



Crossed nicols

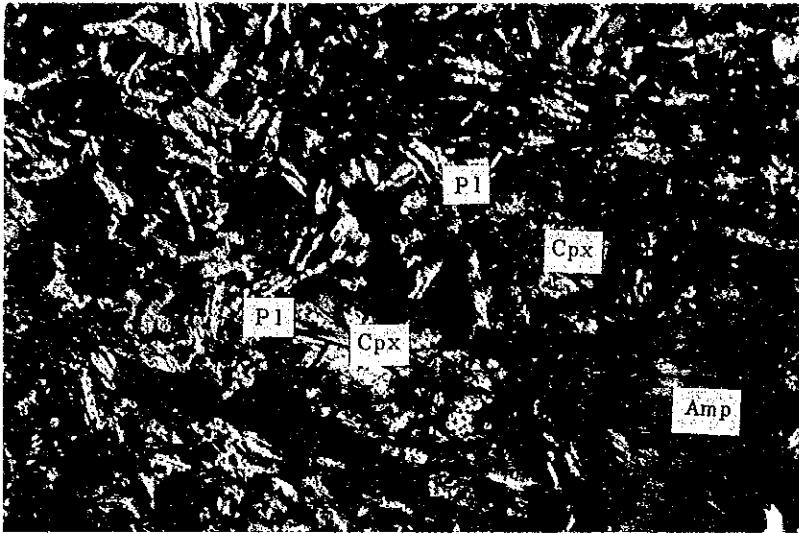


- Pl : Plagioclase
- Hb : Hornblende
- Qz : Quartz
- Opq : Opaque mineral

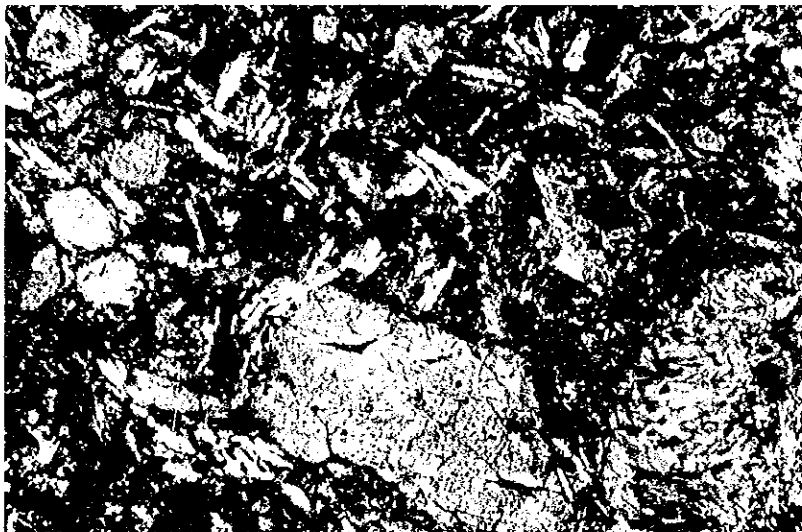
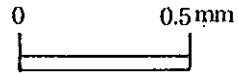
R-15

Altered andesite

Strongly amphibolitized.

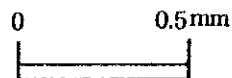


Open nicol



Crossed nicols

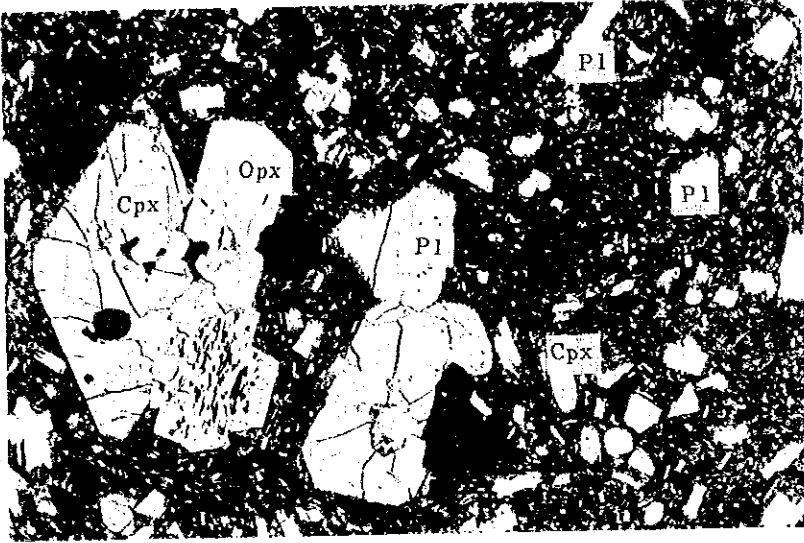
Pl : Plagioclase
Cpx : Clinopyroxene
Amp : Amphibole



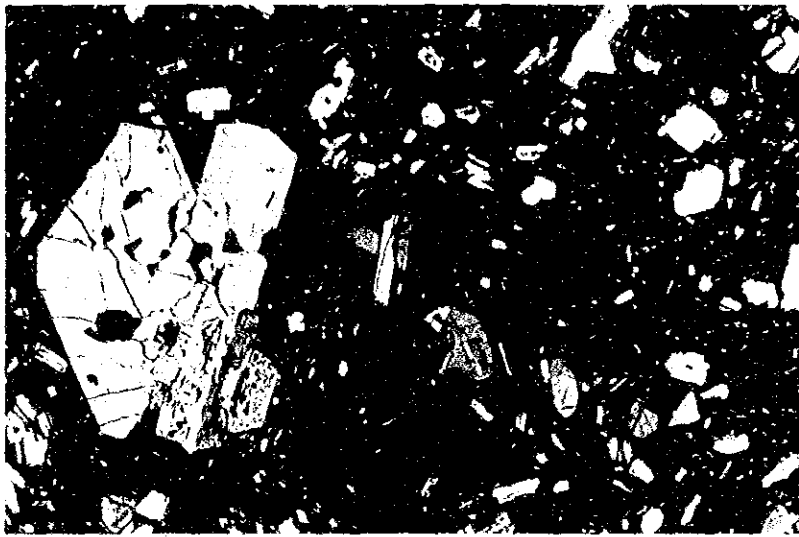
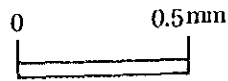
CR-16

Two pyroxene andesite
The rock shows clearly
porphyritic texture.

Phenocrysts are compos-
ed of plagioclase and
clino and orthopyroxene.

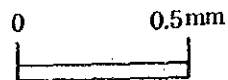


Open nicol



Crossed nicols

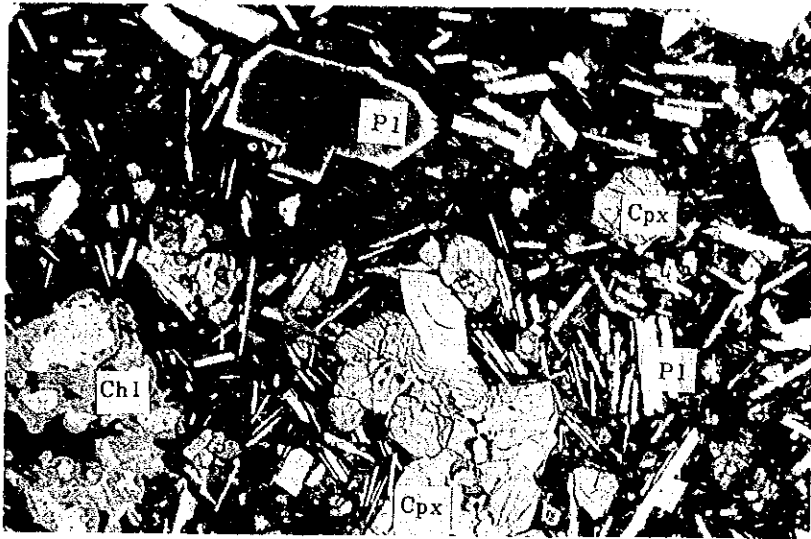
Cpx : Clinopyroxene
Opx : Orthopyroxene
Pl : Plagioclase



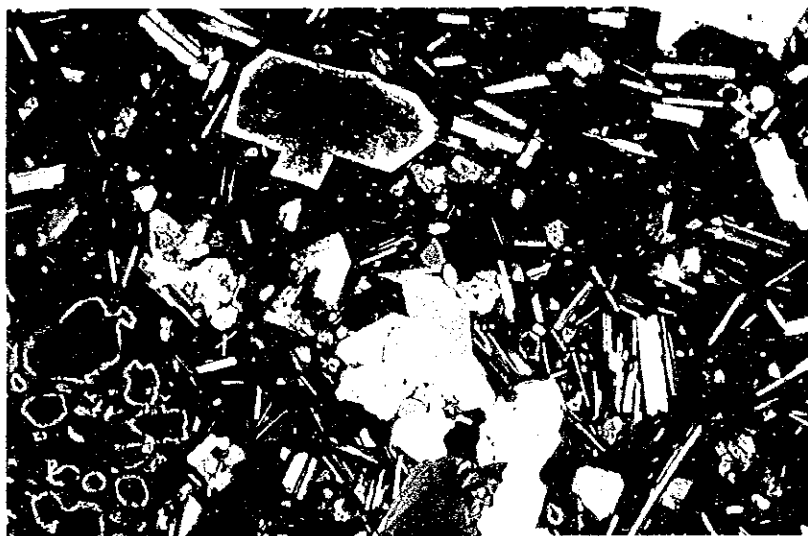
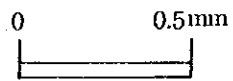
AR-17

Basalt

Phenocryst is enchedral
plagioclase lath.
Matrix and cavity
parts are filled with
chlorite - serpentine
like minerals.

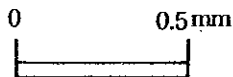


Open nicol



Crossed nicols

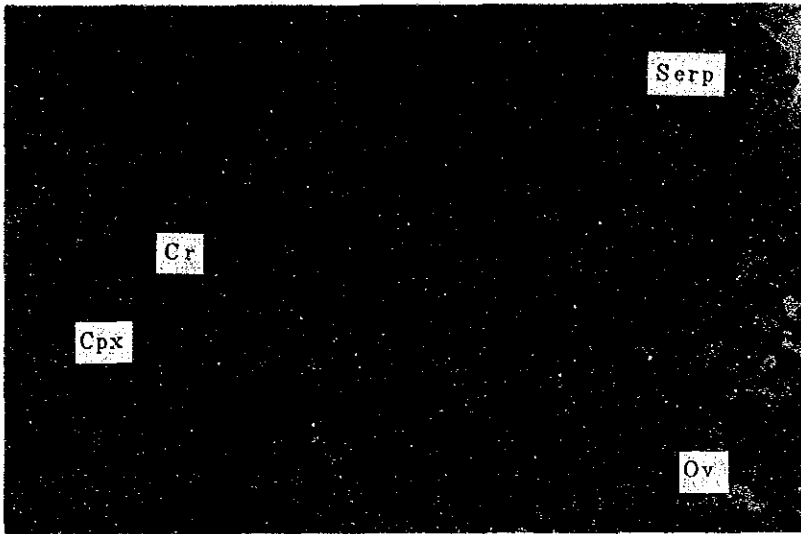
Cpx : Clinopyroxene
Chl : Chlorite
Pl : Plagioclase



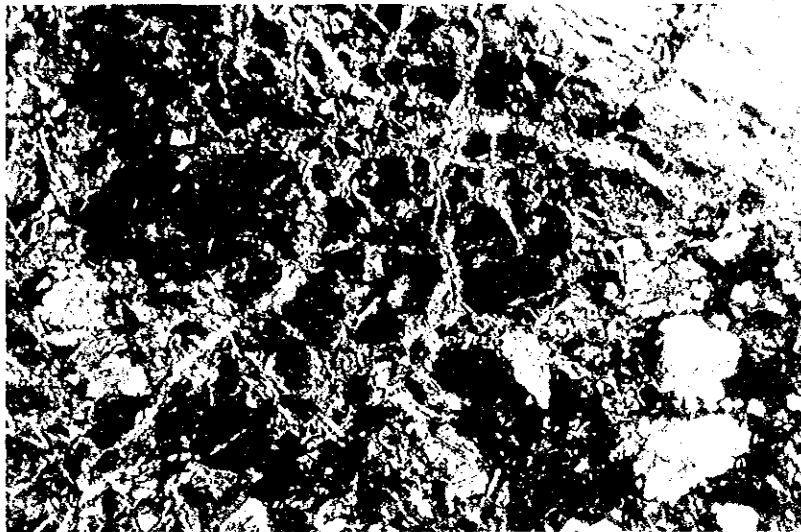
R-19

Serpentine

Serpentine shows a mesh like texture in which relicts of olivine, clinopyroxene and chromite occur.



DEC • 1950



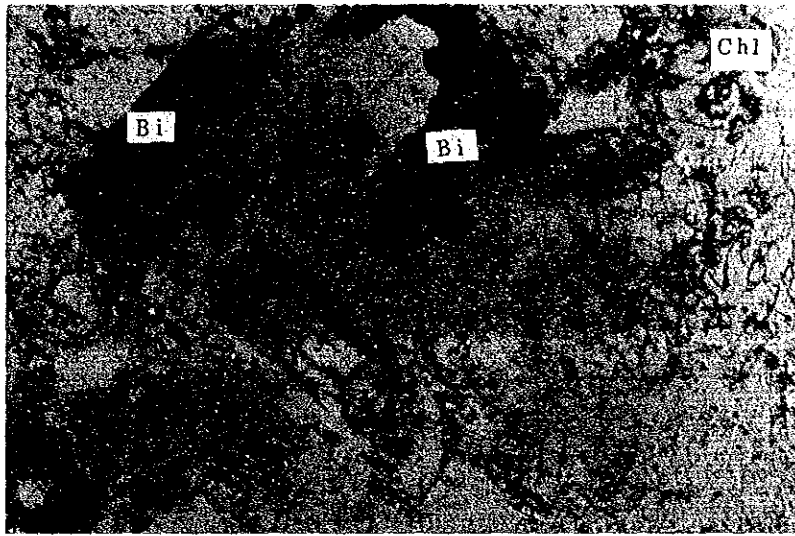
DEC • 1950

Serp : Serpentine
Cr : Chromite
Cpx : Clinopyroxene
Ov : Olivine

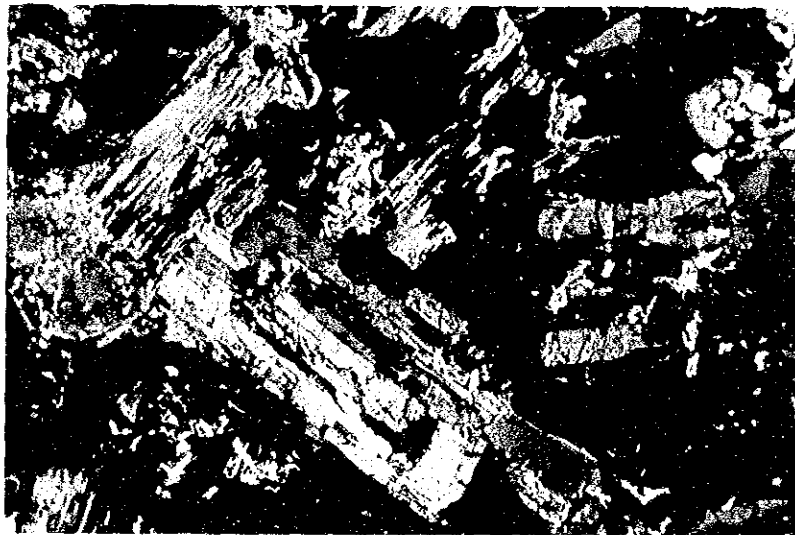
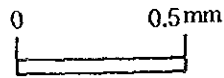
R-29

Quartz diorite

The rock is composed of anhedral plagioclase, chloritized biotite and anhedral coarse grained quartz.



Open nicol



Crossed nicols

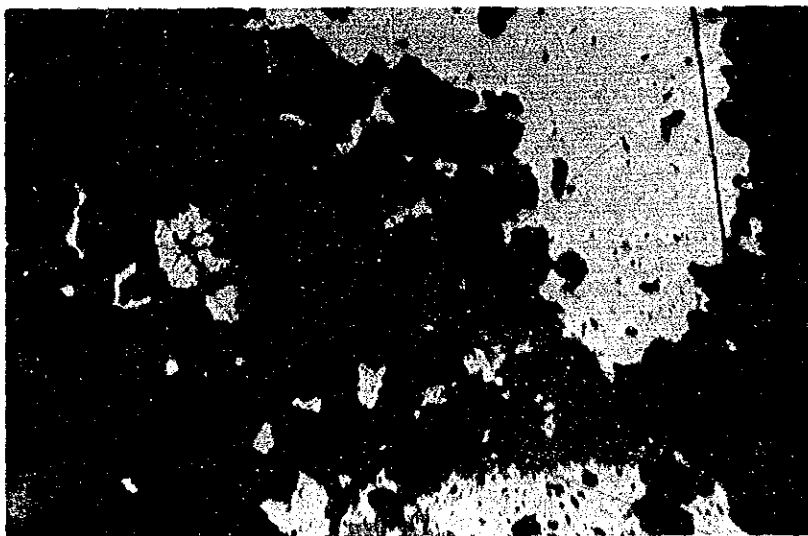
- Bi : Biotite
- Chl : Chlorite
- Pl : Plagioclase
- Qz : Quartz



Appendix 2 Microphotographs (Polished Section)

E-150-2

Ibuna



DEC . 85C

Pyrite and Chalcopyrite Dissemination in Andesite. Ore consist almost Chalcopyrite only. Bornite and Chalcocite are visible as secondary minerals.

Chalcopyrite (Cp) in polish section showed veinlet and disseminated shape. Bornite (Bo) observed in polish section alternated at margin and along cracks of Chalcopyrite.

Chalcocite (Cc) observed in polish section alternated at margin and along cracks of Chalcopyrite and bornite.



DEC . 85C

C0329485

Polillo Is. Mascopper Prospect

Pyrite and Molybdenite dissemination accompanied Diorite.

Ore minerals consist
Magnetite (Mag) =
Pyrite (Py) > molybdenite (Mo) > Chalcopyrite (Cp).

Magnetite: 0.05 - 0.3 mm
xenomorphic granular, spot dissemination in quartz.

Pyrite; 0.1 - 1 mm
semiautomorphic and xenomorphic crystal including magnetite dots very common.

Chalcopyrite; 0.2 - 0.5 mm
xenomorphic, fill up inter grain space among magnetite and pyrite.

Molybdenite; 0.3 - 3 mm
fill up inter grain space among magnetite, pyrite and chalcopyrite.



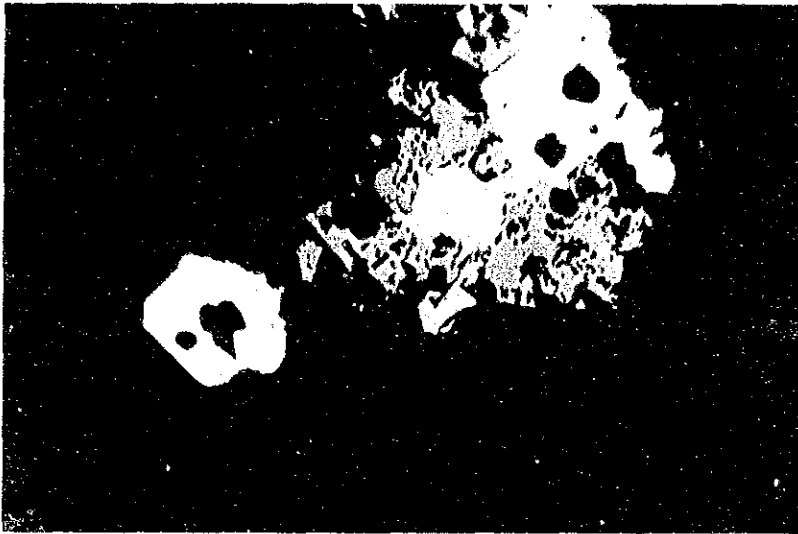
050
850



050
850

B504-3

Santa Ines



DEC • 86C

Contact metasomatic
Ore

Ore minerals consist
Magnetite (Mag)
Pyrite (Py) Chalcopyrite

Magnetite; coarse grain
over 1 mm semiauto-
morphic and xenomor-
phic crystals occurred in
quartz as disseminated
or massive shape.

Pyrite; 0.5 - 4 mm
semiautomorphic and
xenomorphic granular.
Bearing chalcopyrite
dot in rare case.

Chalcopyrite; 0.01 - 0.1
mm fill up inter grain
space magnetite and
pyrite



DEC • 86C

Pur-1

Puray

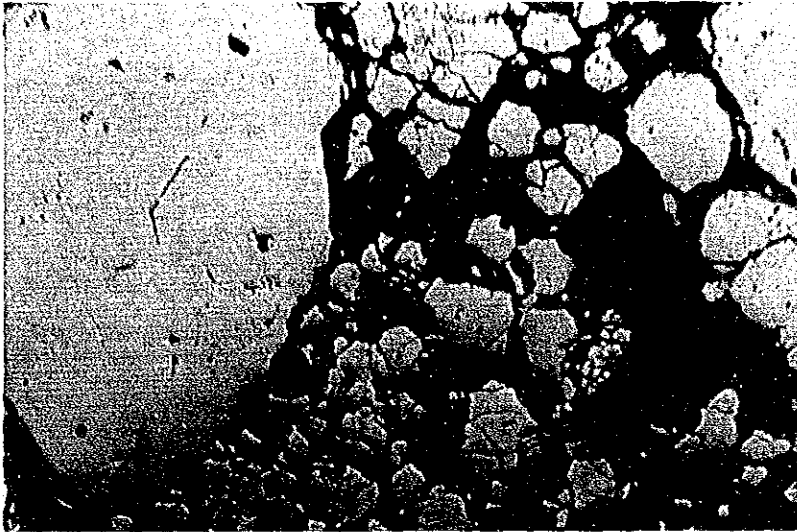
Fe-Cu-Zn strata bond sulphide deposit.

Ore minerals consist pyrite (Py) > Chalcopyrite. Chalcopyrite altered partial to bornite (Bo) and chalcocite (Cc).

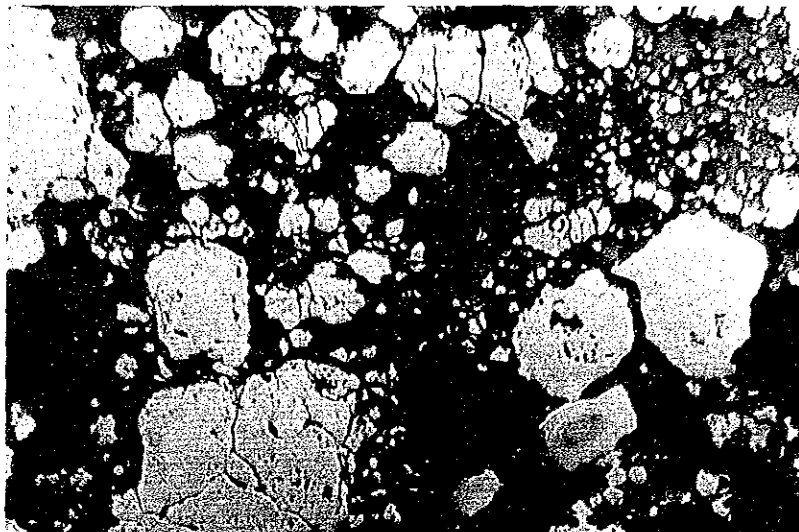
Pyrite: 0.1 - 1 mm semiautomorphic granular crystal, partially brecciated and crashed.

Chalcopyrite; fill up inter grain space of pyrite, altered almost to Bonite.

Chalcocite; alternated from bornite at margin and along cracks, drop shape alternated dots sometimes observed.

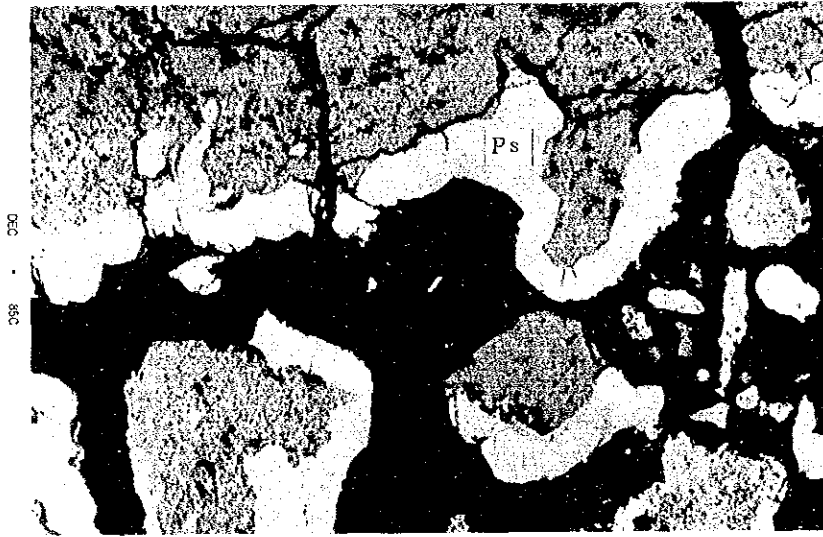


55C

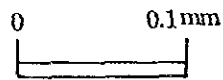


55C

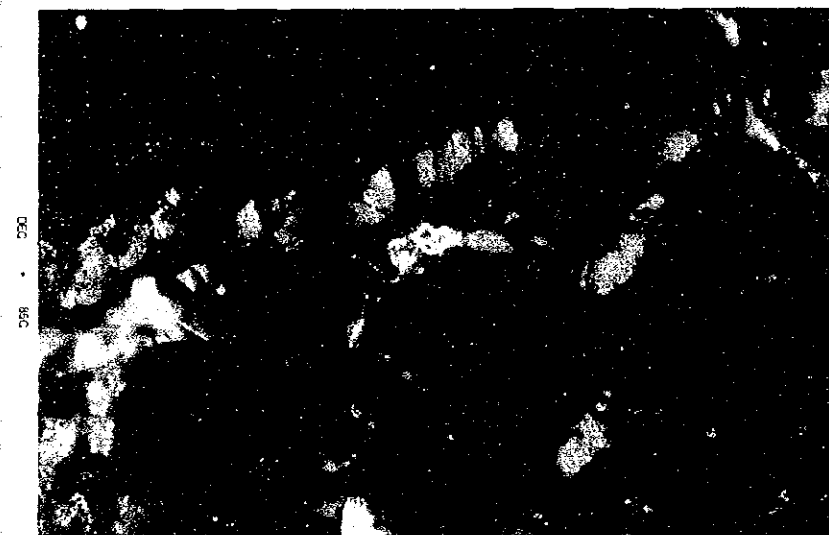
Buenavista



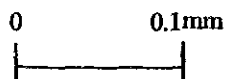
Psilomelane (Ps) and
 δ -MnO₂?
in manganese oxide



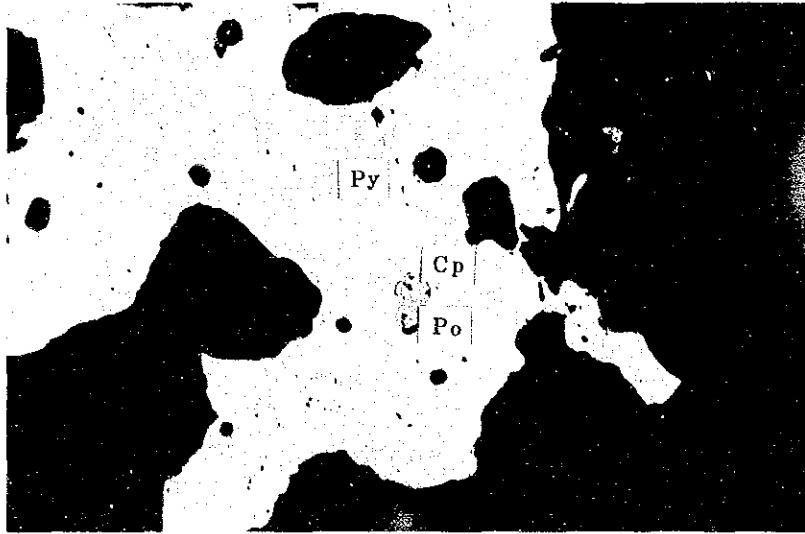
Crossed nicols



Showing anisotropy.



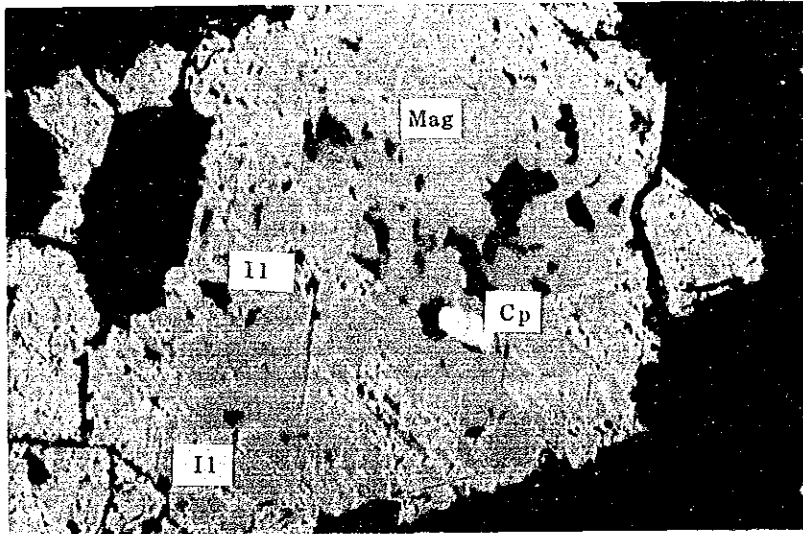
Compacot



Pyrite (Py)
| containing micro
chalcopyrite (Cp)
and pyrrhotite (Po) in
silicified andesite

0 0.1mm

Bonakan

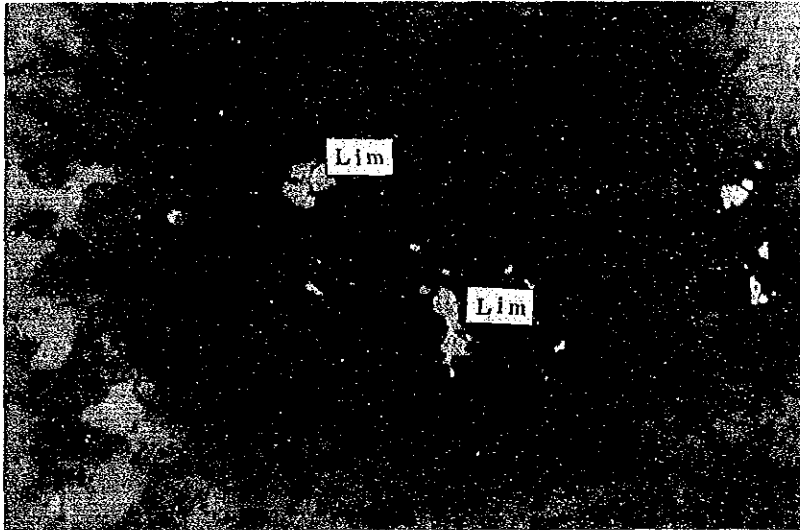


Magnetite (Mag)
| containing small grain-
ed chalcopyrite (Cp) and
foliated ilmenite show-
ing exsolution (Il) in
altered andesite

0 0.05mm

Boyog

Scattered micro
limonite (Lim) in
altered andesite

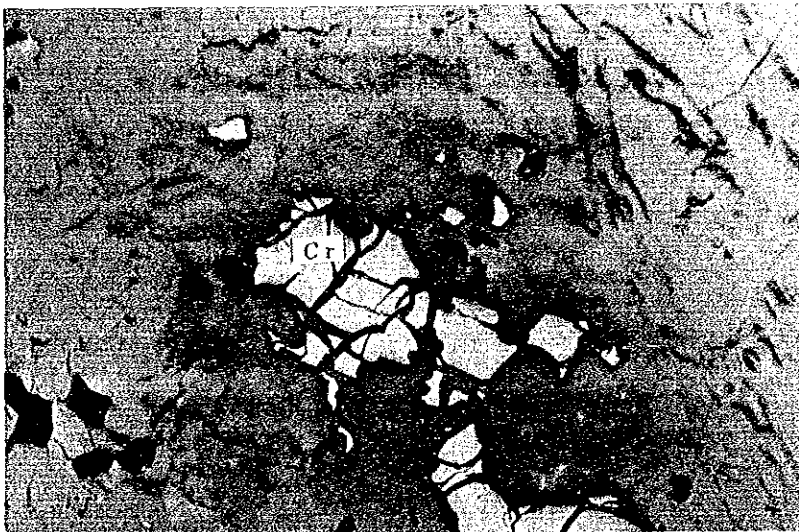


DEC · SSC

0 0.1mm

R-19

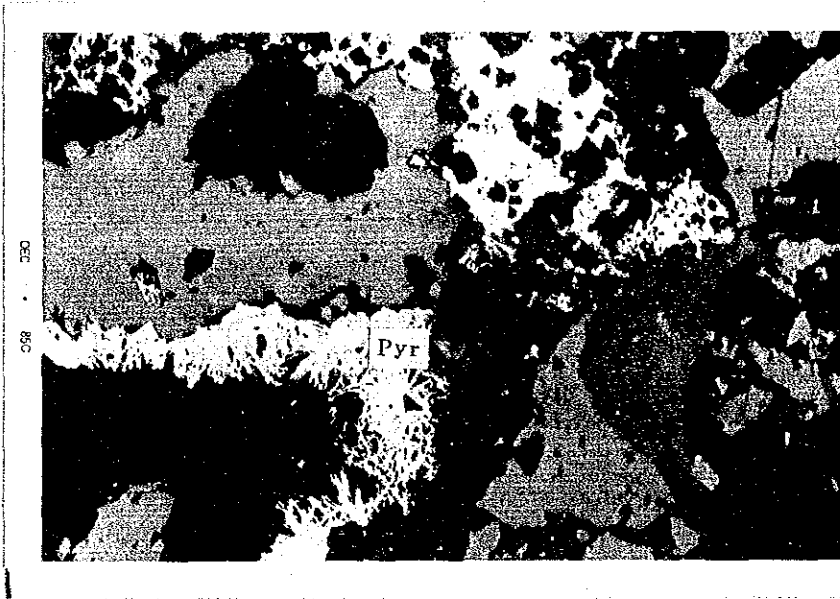
Disseminated
chromite in
brecciated
serpentinite



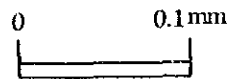
DEC · SSC

0 0.2mm

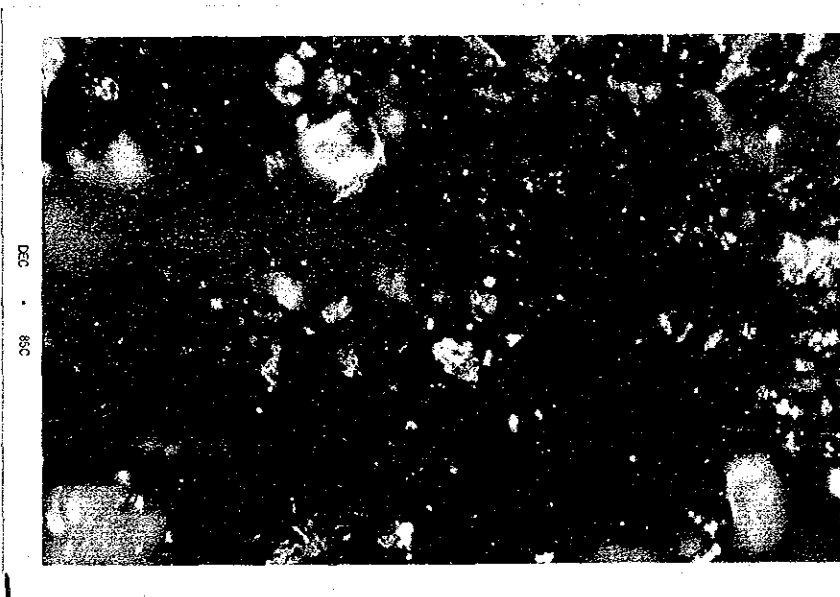
Anda ore



Needle-like
Pyrolusite (Pyr) in
manganese nodule



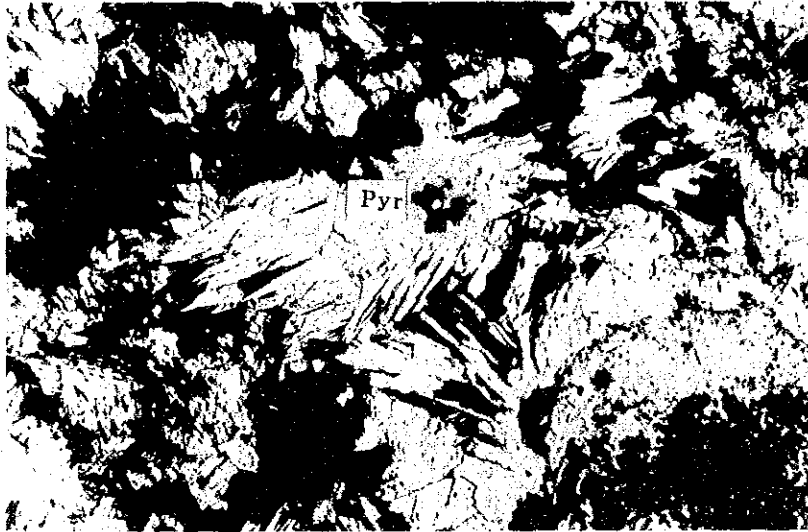
Crossed nicols



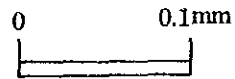
Showing anisotropy.



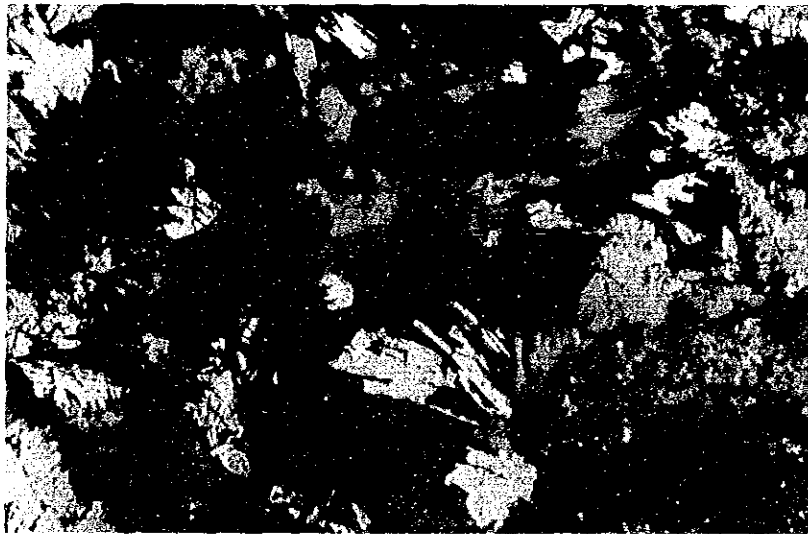
Ar-16



Fibrous pyrolusite
in manganese oxide



Crossed nicols



Showing anisotropy



Appendix 3 Microfossil Correlation Table

Southern Sierra Madre • Polillo Area

JMA-4

Sample	Nannoplakton	Radiolaria	Remarks
B 615-3, Red shale	Barren	Barren	
M9851485, Red shale	Barren	Rare	Very poor preserved Holocryptocanium sp. Cryptocephalic or Cryptothoracic Nassellaria Age; Upper Jurassic to Lower Cretaceous
B426-5, Calcareous black shale	Common	Barren	Heavy overgrown coccoliths; Watznaueria(?) sp. Cretarhabdus(?) sp. Age; Cretaceous Recrystallized radiolaria
M15451985, Red shale	Barren	Rare	
B620-1, Pale brown micritic limestone	Barren	Barren	
I19-3265II, Gray limestone	Barren	Barren	
J620-3, Pale brown limestone	Barren	Barren	
N-156P.L., Gray limestone	Barren	Barren	
H530-IB, Gray limestone	Barren	Barren	
A-0531-138, Pale brown limestone	Barren	Barren	
H502-3, Pale brown micritic limestone	Barren	Barren	
H507-1, Pale brown limestone	Barren	Barren	
A-0528-117, Conglomerate with limy matrix	Barren	Barren	
K-90, Pale brownish white limestone	Barren	Barren	
I-25, Pale brownish white limestone	Barren	Barren	
C0617585, Pale brownish gray micritic limestone	Barren	Barren	
K332, White limestone	Barren	Barren	
J67-1, Pale brown micritic limestone	Barren	Barren	
CO318585, Pale brown limestone	Barren	Barren	
B426-4, Gray micritic limestone	Barren	Barren	

Bohol · Siguijor Area

JMA-2 (Code name) Radiolarian analysis

		Radiolarians;	Barren	Age;	Unknown
R-2,	1-3.		Barren		Unknown
R-5,	1-3.		Barren		Unknown
R-5,	1-4.		Barren		Unknown
R-12,	1		Barren		Unknown
R-14,	1-2.		Barren		Unknown
R-20,	1-2.		Rare		Unknown
R-32,	1-5.		Barren		Unknown
AR-04,	1-2.		Barren		Unknown
AR-05,	1-2.		Barren		Unknown
AR-06,	1-3.		Barren		Unknown
AR-10,	1-2.		Barren		Unknown
AR-13,	1-2.				Sponge spicules
ER-01,	1-3				Planktonic foraminifera
ER-02,	1-3.				Planktonic foraminifera
ER-04,	1-3.		Barren		Unknown
ER-07,	1-3.		Barren		Unknown
Overland shale			Barren		Unknown
Buenavista-minami, A-G.			Barren		Unknown
Buenavista-2, A-B.					Few poor preserved radiolar-
					ians
DR-05,	1-3.		Barren		Unknown

JSM-3,	Foraminifera		
R-2,		Barren	Unknown
R-5,		Barren	Unknown
R-5'		Globigerinoides quadrilobatus immerturus	
		Globoquadrina dehiscens	
		Age and Zones; Miocene and N4 to N19	
R-12		Barren	Unknown
R-20		Barren	Unknown
AR-04		Barren	Unknown
AR-05		Barren	Unknown
AR-06	Poor preserved forams.	Globigerina sp.	
AR-10		Barren	Unknown
AR-13	Poor preserved forams.	Globigerina apertura	
		Globigerinoides quadrilobatus	
		Age; Upper Miocene	
ER-01	Poor preserved forams.		Unknown
ER-02	Poor preserved forams.		Unknown
ER-04		Barren	Unknown
ER-07		Orbulina universa	
		Globigerinoides obliquus	
		Age; Middle to Upper Miocene	
Overland shale		Barren	Unknown
Buenavista-minami		Biorbulina bilobata	
		Orbulina universa	
		Globigerinoides obliquus	
		Age; Miocene to Pliocene	
Buenavista-2		Barren	Unknown
DR-05	Barren	Unknown	
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JMA,	1	(Code name) Calcareous nannoplankton analysis		
R-2,	1.	Black calcite vein bearing shale.	Barren	Unknown
	2.		Barren	Unknown
	3.		Barren	Unknown
R-5,	1.	Sandy siltstone.	Barren	Unknown
	2.		Barren	Unknown
	3.		Barren	Unknown
R-5,	1.	Grayish mudstone. Age; Uppermost Miocene to Lower Pliocene (NN 12 to NN15 Zone) Taxa; Micrantholithus sp., Reticulofenestra pseudoumbilica, Sphenolithus sp., Cyclolithus sp., Helicosphaera carterii, Sphenolithus abies, Discoaster brouwerii, D. exilis, D. pentaradiatus.		
	2.	the same.		
	3.	the same.		
	4.	the same.		
R-12,	1.	Grayish calcareous mudstone. Age; Miocene to Pliocene Taxa; Discolithina multipora, Coccolithus pelagicus, Sphenolithus sp., Discoaster sp.		
R-14,	1.	Yellowish gray calcareous mudstone.	Barren	Unknown
	2.		Barren	Unknown
R-20	1.	Yellowish calcareous siltstone.	Barren	Unknown
	2.		Barren	Unknown
R-32	1.	Limestone.	Barren	Unknown
	2.		Barren	Unknown
	3.		Barren	Unknown
	4.		Barren	Unknown
	5.		Barren	Unknown
AR-04,	1.	Recrystallized calcareous claystone.	Barren	Unknown
	2.		Barren	Unknown
	3.		Barren	Unknown
AR-05,	1.	Calcareous sandy siltstone.	Barren	Unknown
	2.		Barren	Unknown
AR-06,	1.	Calcareous siltstone.	Barren	Unknown
	2.		Barren	Unknown
	3.		Barren	Unknown
AR-10,	1.	Recrystallized calcareous claystone.	Barren	Unknown
	2.		Barren	Unknown
AR-13,	1.	Recrystallized calcareous claystone. Age; Unknown Taxa; Coccolithus sp.		
	2.	Age; Unknown Taxa; Coccolithus sp., Sphenolithus sp., Discoaster sp.		
ER-01,	1.	Recrystallized calcareous claystone. Age; Unknown Taxa; Coccolithus sp.		
	2.		Barren	Unknown
	3.		Barren	Unknown
ER-02,	1.	Grayish white foraminiferal mudstone. Age; Middle Miocene to Lower Pliocene. Taxa; Discoaster sp., D. variabilis(?), Sphenolithus sp., S. cf. heteromorphus(?) by maximum range.		
	2.	the same.		
	3.	the same.		
ER-04,	1.	Siliceous medium grained sandstone.	Barren	Unknown
	2.		Barren	Unknown
	3.		Barren	Unknown

ER-07,	1.	Grayish brown mudstone. Age; Lower Middle Miocene Taxa; <i>Coccolithus pelagicus</i> , <i>Discoaster variabilis</i> , <i>D. deflandreii</i> , <i>D. challengerii</i> , <i>Sphenolithus heteromorphous</i> .		
	2.	the same.		
	3.	the same.		
Overland shale,	1.	Black shale.	Barren	Unknown
	2.		Barren	Unknown
	3.		Barren	Unknown
	4.		Barren	Unknown
	5.		Barren	Unknown
	6.		Barren	Unknown
	7.		Barren	Unknown
Buнавista-minami-A.		Grayish calcareous mudstone. Age; Uppermost Miocene to Lower Pliocene Taxa; <i>Coccolithus pelagicus</i> , <i>Discoaster variabilis</i> (?), <i>D. pentaraduatus</i> , <i>D. challengerii</i> , <i>Sphenolithus</i> sp., <i>Sphenolithus abies</i> , <i>Discolithina multipora</i> , <i>Helicosphaera</i> sp.		
	B.	the same.		
	C.	the same.		
	D.	the same.		
	E.	the same.		
	F.	the same.		
	G.	the same.		
Buнавista-2,	A.	yellowish brown mudstone.	Barren	Unknown
	B.		Barren	Unknown
DR-05,	1.	Calcite and pyrite bearing sandstone.	Barren	Unknown

FILE NAME: K922100 DATE: 08-28-1985

TARGET/FILTER (MONOCHRO): Cu

VOLTAGE/CURRENT: 40KV 150mA

SLITS: DS 1 RS .3

SCAN SPEED: 8 DEG/MIN.

STEP/SAMPLING: .02 DEG

PRESET TIME: 0 SEC

SMOOTHING: 0

OPERATOR: ASAI

COMMENT:

SMOOTHING: 13

DIFFERENTIAL: 11

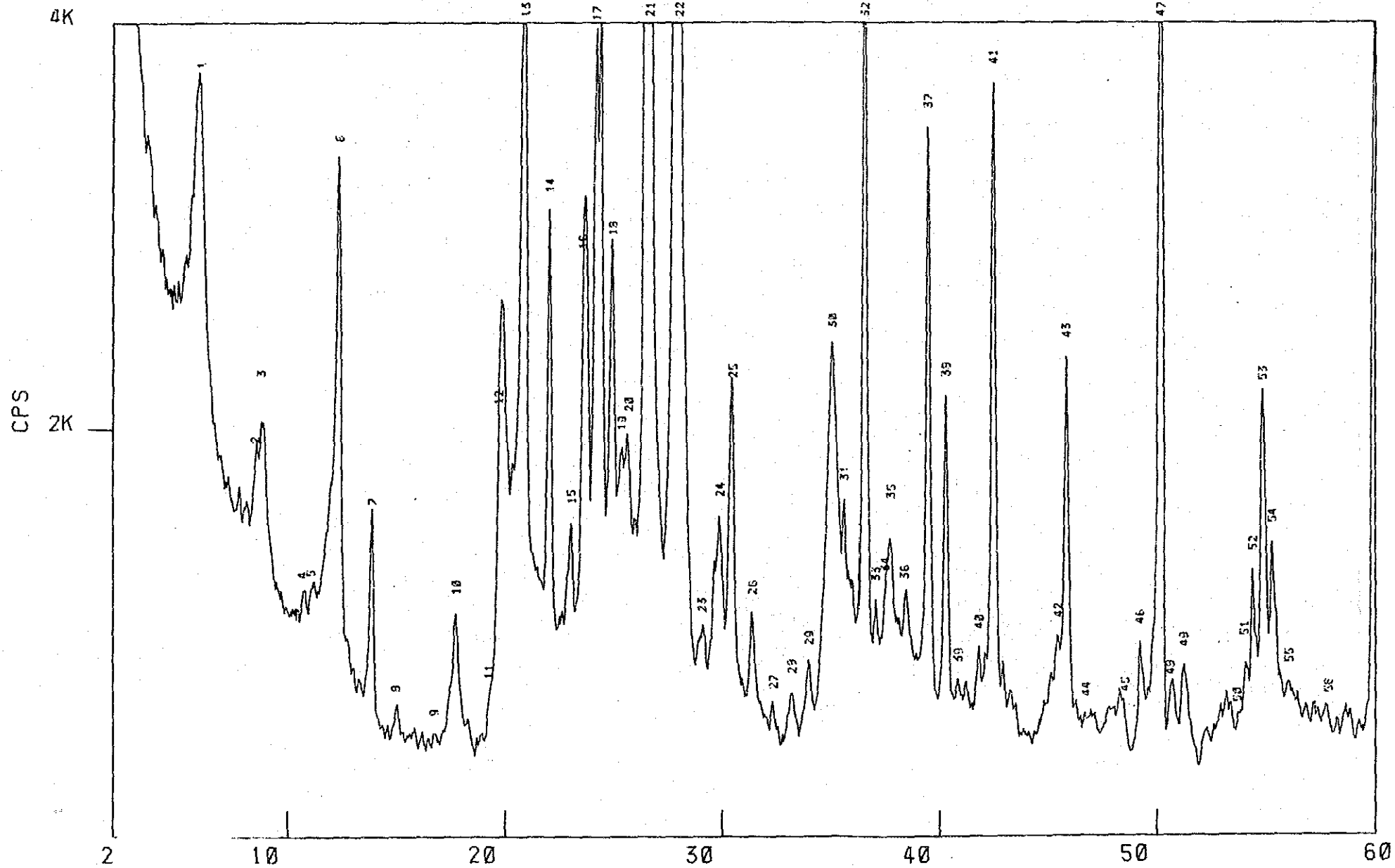
PEAK HEIGHT: 35

PEAK WIDTH: .25

BACK GROUND (SAMPLING): 0

BACK GROUND (REPEAT): 0

Sample Name : B5163A

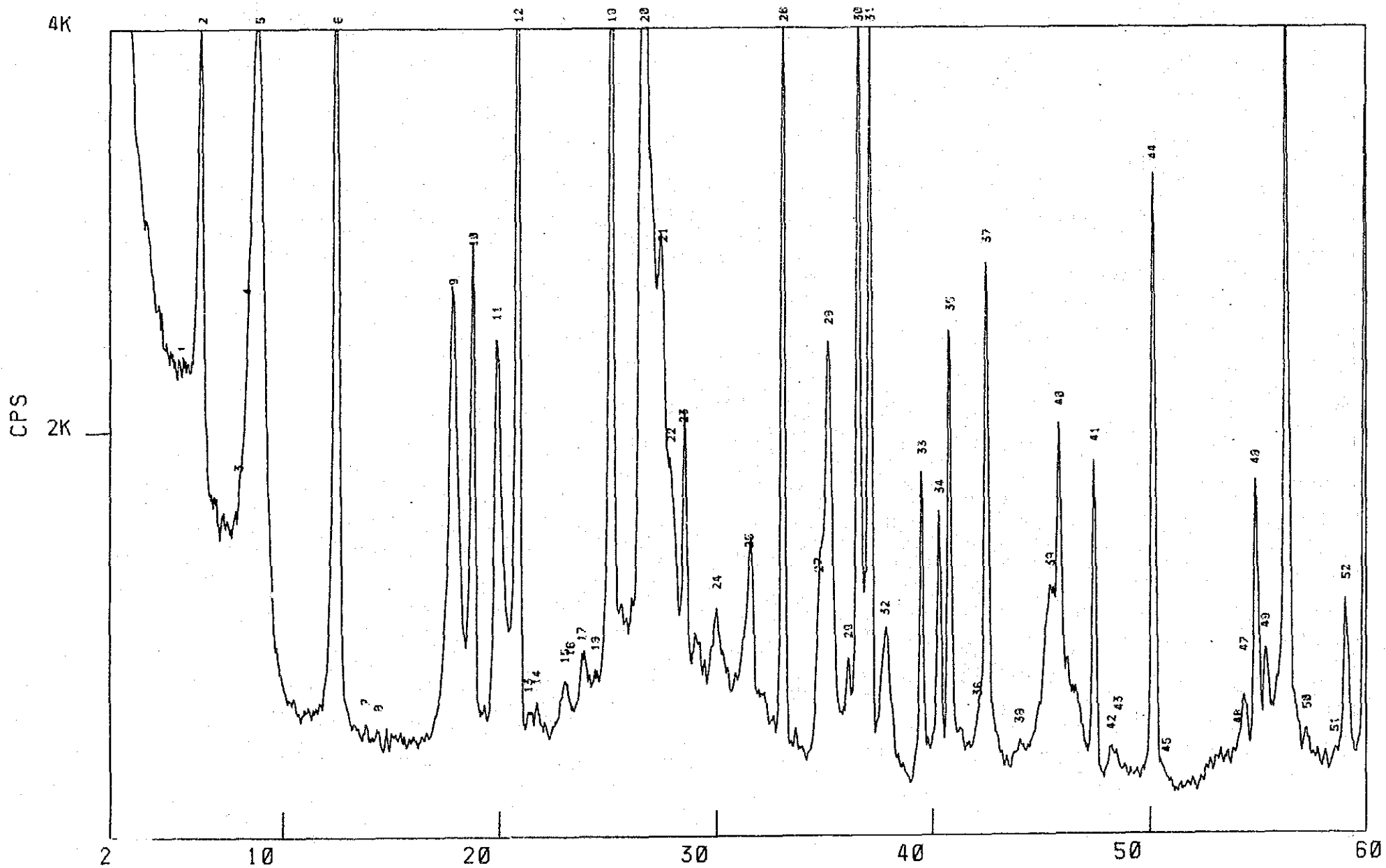


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FILE NAME: K924100 DATE: 08-28-1985
TARGET/FILTER (MONOCHRO): Cu
VOLTAGE/CURRENT: 40KV 150mA
SLITS: DS 1 RS .3
SCAN SPEED: 8 DEG/MIN.
STEP/SAMPLING: .02 DEG
PRESET TIME: 0 SEC
SMOOTHING: 0
OPERATOR: ASAI
COMMENT:

SMOOTHING: 13
DIFFERENTIAL: 11
PEAK HEIGHT: 35
PEAK WIDTH: .25
BACK GROUND (SAMPLING): 0
BACK GROUND (REPEAT): 0

Sample Name : B527-3

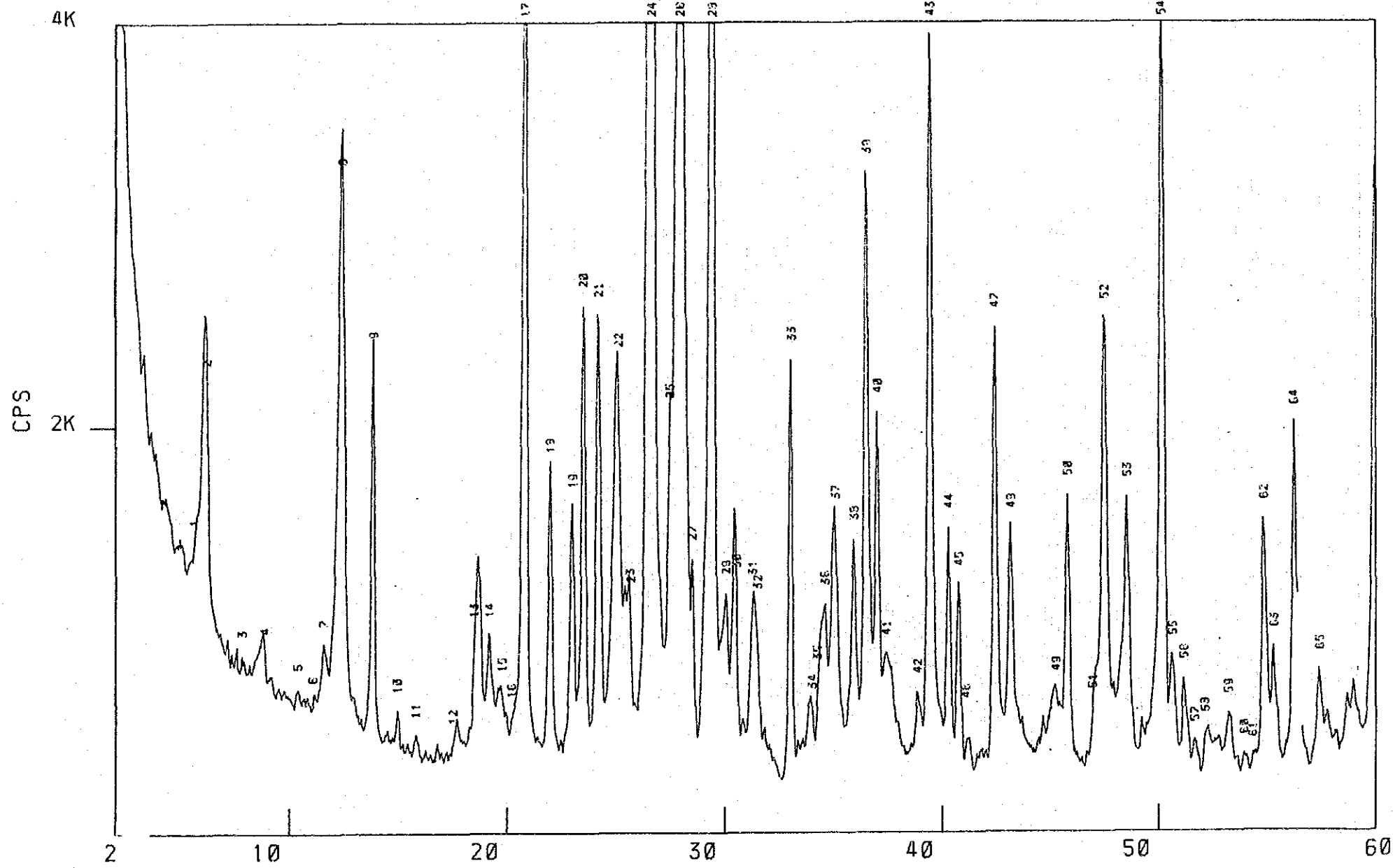


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FILE NAME: K926100 DATE: 08-28-1985
 TARGET/FILTER (MONOCHRO): Cu
 VOLTAGE/CURRENT: 40KV 150mA
 SLITS: DS 1 RS .3
 SCAN SPEED: 8 DEG/MIN.
 STEP/SAMPLING: .02 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR: ASAI
 COMMENT:

SMOOTHING: 13
 DIFFERENTIAL: 11
 PEAK HEIGHT: 35
 PEAK WIDTH: .25
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : E136

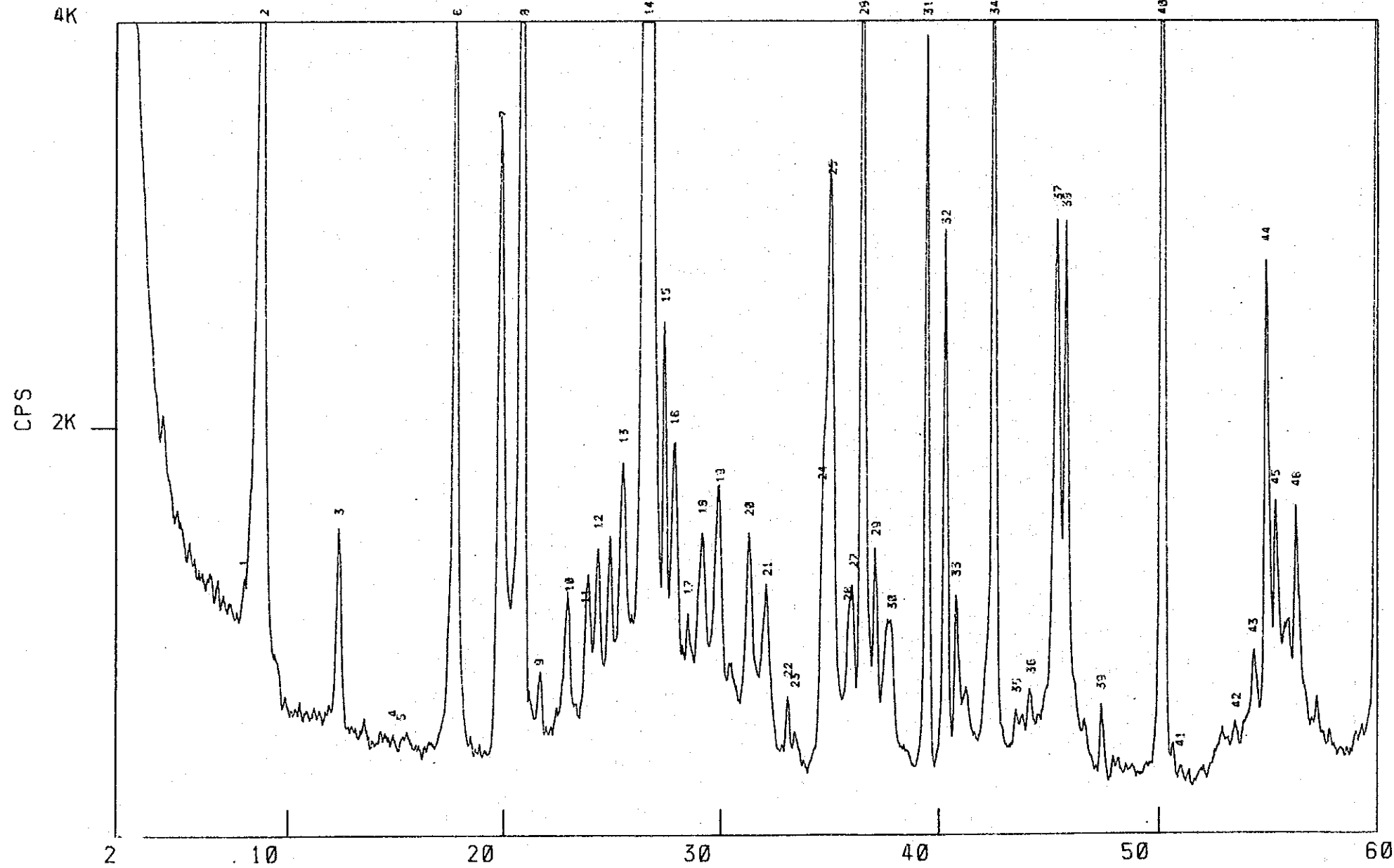


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FILE NAME: K928100 DATE: 08-28-1985
 TARGET/FILTER (MONOCHRO): Cu
 VOLTAGE/CURRENT: 40KV 150mA
 SLITS: DS 1 RS .3
 SCAN SPEED: 8 DEG/MIN.
 STEP/SAMPLING: .02 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR: ASAI
 COMMENT:

SMOOTHING: 13
 DIFFERENTIAL: 11
 PEAK HEIGHT: 35
 PEAK WIDTH: .25
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : E50202

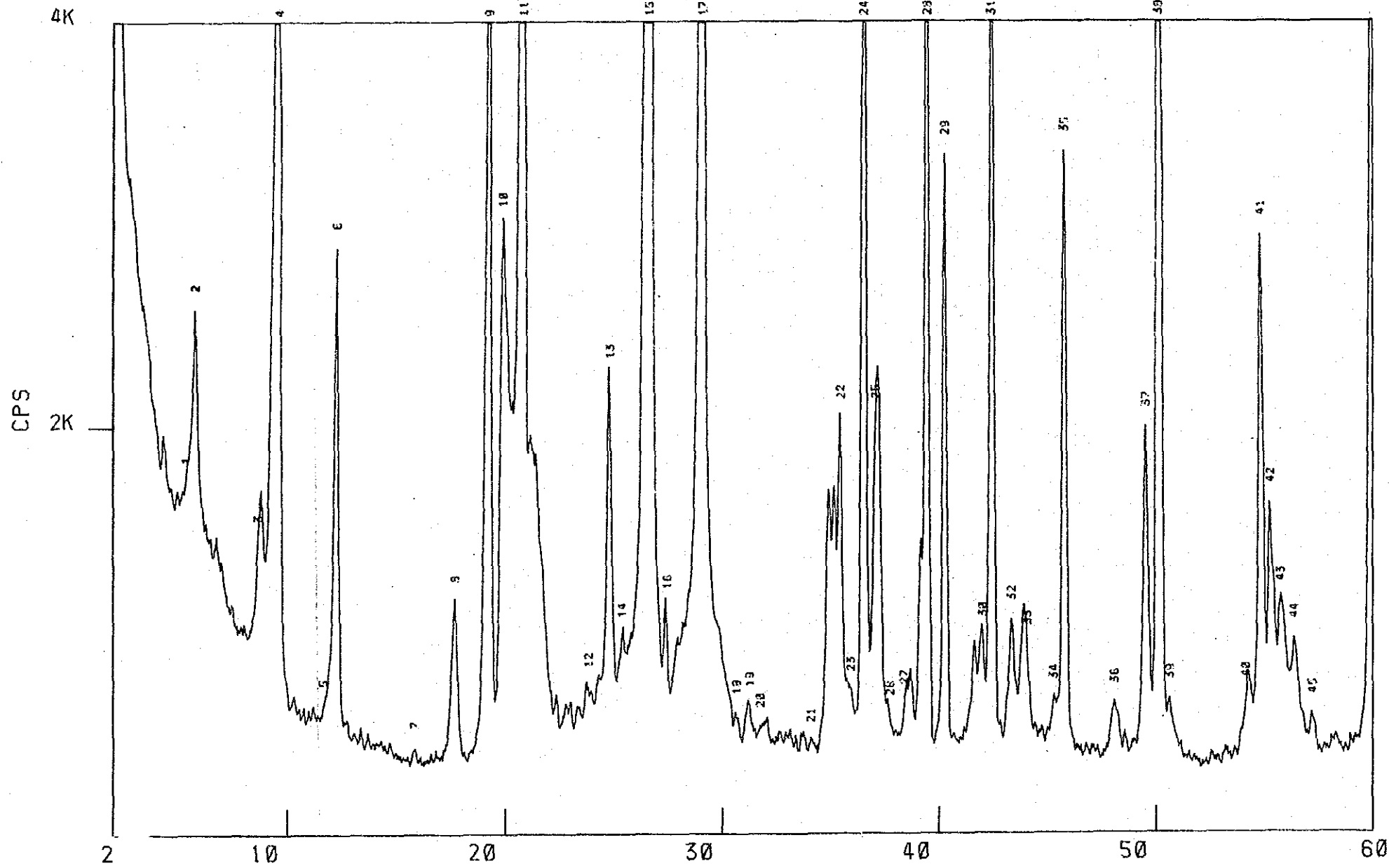


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2	11.5	1000000	1000000	0.5	1.0
3	13.0	1000000	1000000	0.5	1.0
4	14.5	1000000	1000000	0.5	1.0
5	16.0	1000000	1000000	0.5	1.0
6	17.5	1000000	1000000	0.5	1.0
7	19.0	1000000	1000000	0.5	1.0
8	20.5	1000000	1000000	0.5	1.0
9	22.0	1000000	1000000	0.5	1.0
10	23.5	1000000	1000000	0.5	1.0
11	25.0	1000000	1000000	0.5	1.0
12	26.5	1000000	1000000	0.5	1.0
13	28.0	1000000	1000000	0.5	1.0
14	29.5	1000000	1000000	0.5	1.0
15	31.0	1000000	1000000	0.5	1.0
16	32.5	1000000	1000000	0.5	1.0
17	34.0	1000000	1000000	0.5	1.0
18	35.5	1000000	1000000	0.5	1.0
19	37.0	1000000	1000000	0.5	1.0
20	38.5	1000000	1000000	0.5	1.0
21	40.0	1000000	1000000	0.5	1.0
22	41.5	1000000	1000000	0.5	1.0
23	43.0	1000000	1000000	0.5	1.0
24	44.5	1000000	1000000	0.5	1.0
25	46.0	1000000	1000000	0.5	1.0
26	47.5	1000000	1000000	0.5	1.0
27	49.0	1000000	1000000	0.5	1.0
28	50.5	1000000	1000000	0.5	1.0
29	52.0	1000000	1000000	0.5	1.0
30	53.5	1000000	1000000	0.5	1.0
31	55.0	1000000	1000000	0.5	1.0
32	56.5	1000000	1000000	0.5	1.0
33	58.0	1000000	1000000	0.5	1.0
34	59.5	1000000	1000000	0.5	1.0
35	61.0	1000000	1000000	0.5	1.0
36	62.5	1000000	1000000	0.5	1.0
37	64.0	1000000	1000000	0.5	1.0
38	65.5	1000000	1000000	0.5	1.0
39	67.0	1000000	1000000	0.5	1.0
40	68.5	1000000	1000000	0.5	1.0
41	70.0	1000000	1000000	0.5	1.0
42	71.5	1000000	1000000	0.5	1.0
43	73.0	1000000	1000000	0.5	1.0
44	74.5	1000000	1000000	0.5	1.0
45	76.0	1000000	1000000	0.5	1.0
46	77.5	1000000	1000000	0.5	1.0

FILE NAME: K920100 DATE: 08-28-1985
 TARGET/FILTER (MONOCHRO): Cu
 VOLTAGE/CURRENT: 40KV 150mA
 SLITS: DS 1 RS .3
 SCAN SPEED: 8 DEG/MIN.
 STEP/SAMPLING: .02 DEG
 PRESET TIME: 0 SEC
 SMOOTHING: 0
 OPERATOR: ASAI
 COMMENT:

SMOOTHING: 13
 DIFFERENTIAL: 11
 PEAK HEIGHT: 35
 PEAK WIDTH: .25
 BACK GROUND (SAMPLING): 0
 BACK GROUND (REPEAT): 0

Sample Name : X74-1



N
 P
 S
 T
 U
 V
 W
 X
 Y
 Z
 [0-9]

Appendix 4 S-Ray Diffraction (Southern Sierra Madre - Polillo Area)

Sample No.	Quartz	Plagioclase	K-feldspar	Kaolinite	Sericite	Montmorillonite	Chlorite	Pyrite	Calcite	Gypsum	Pyrophyllite	Remarks
B5163A	◎	◎		○	△	○						
B517-3	◎	◎		◎	○	•	•?	•?				Ser/Mont Mixedlayer?
B527-3	◎		△?		◎		◎	◎				
B601-3	◎				○		△	○				
E136	◎	◎			•		○	○	◎	•?		
E42903	◎				◎							Halloysite?
E50202	◎			△	◎			•				
E50806	◎				◎		◎	•				
T-294	◎				○			◎		◎		
X-74-1	◎			○	△	△					◎	

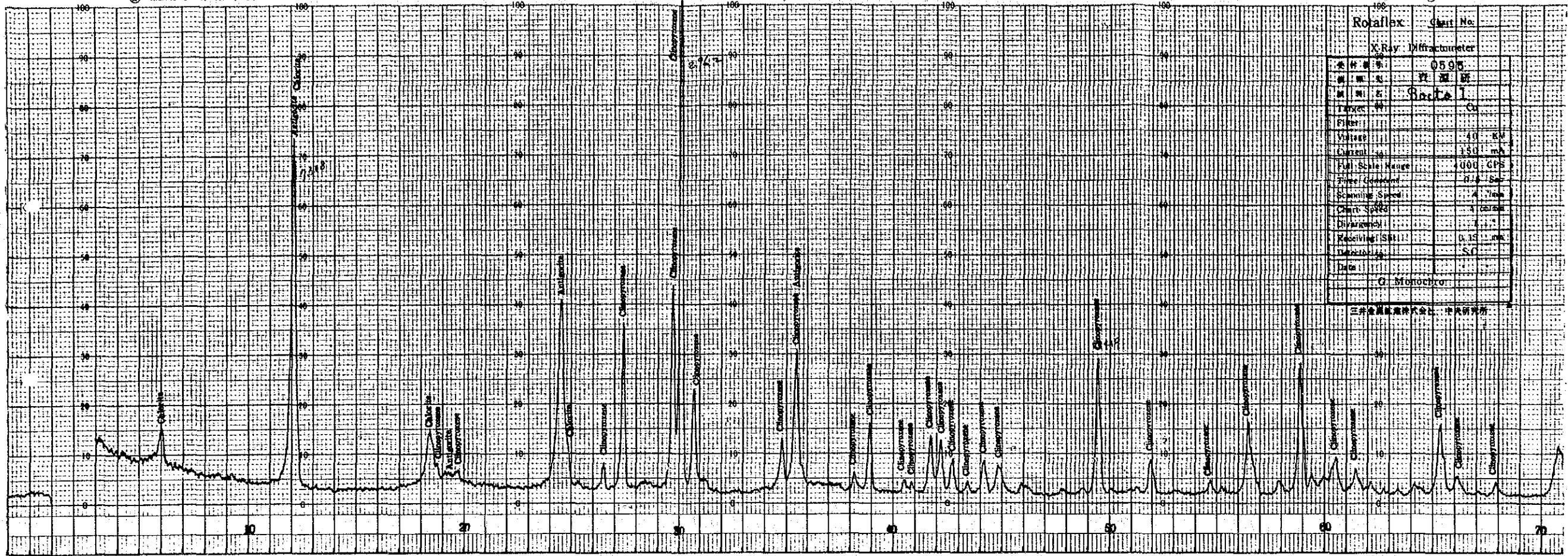
◎ : 多量
 ○ : 中量
 △ : 少量
 • : 微量
 ? : 不确实

Bohol - Siguijor Area

RIGAKU CHART NO. KC-01

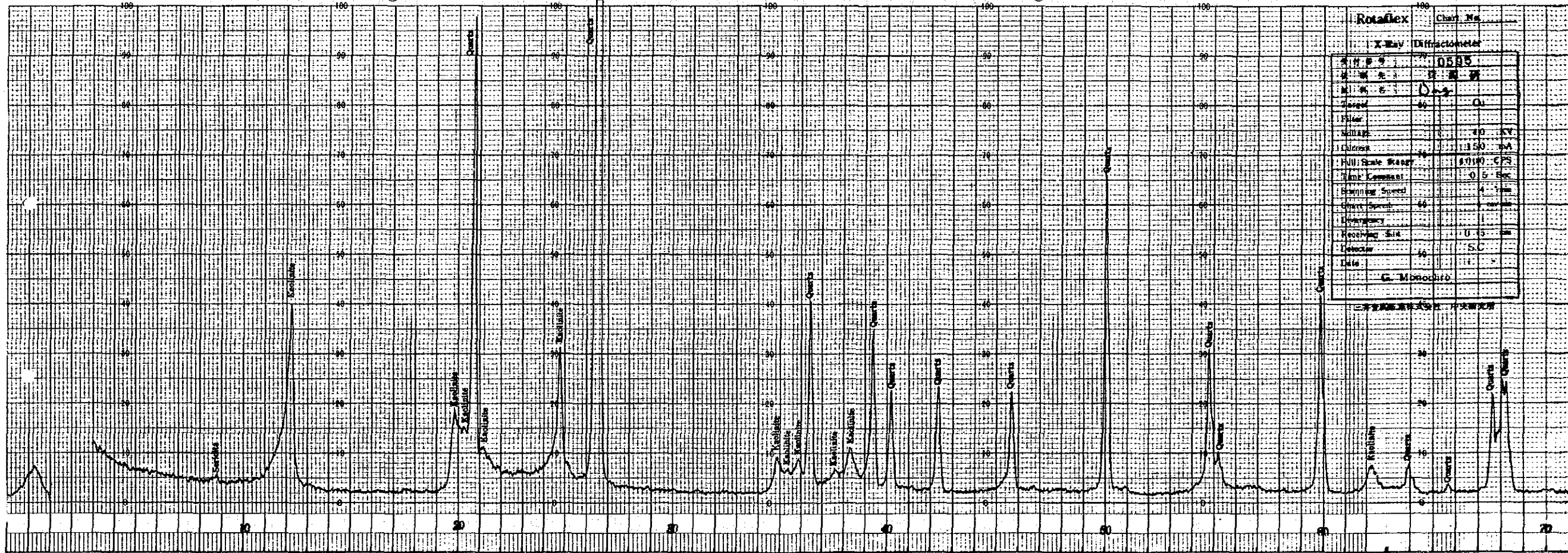
RIGAKU CHART NO. KC-01

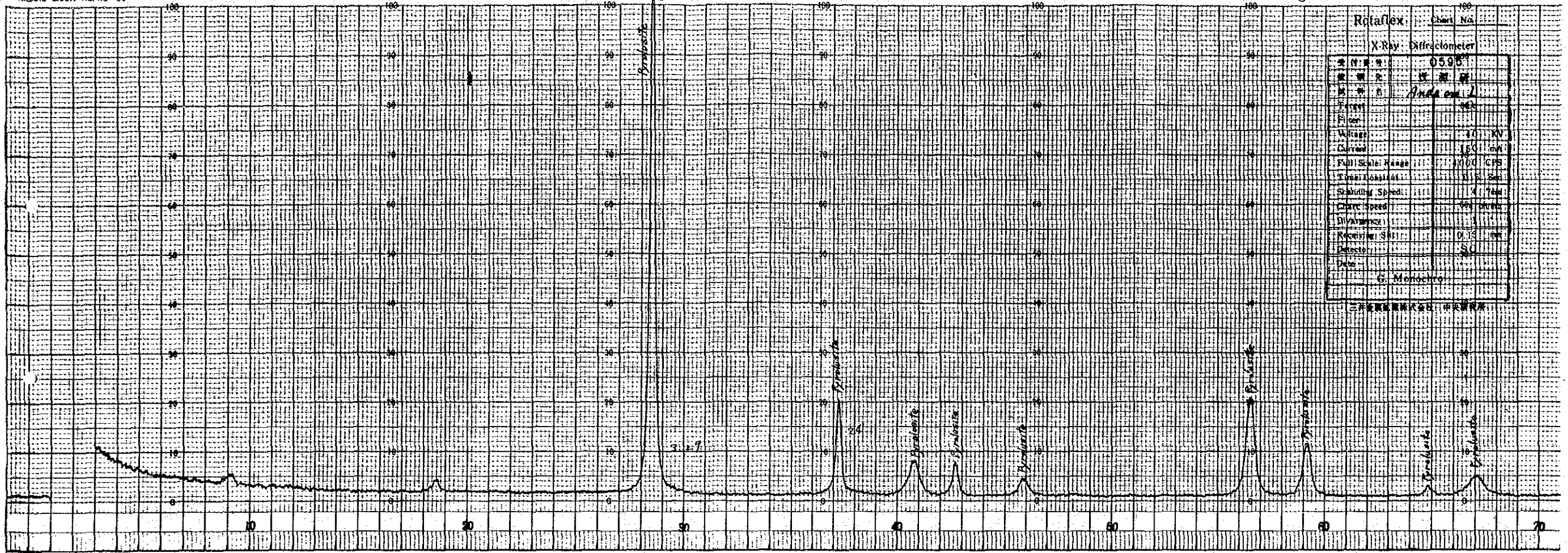
RIGAKU CHART NO. KC-01



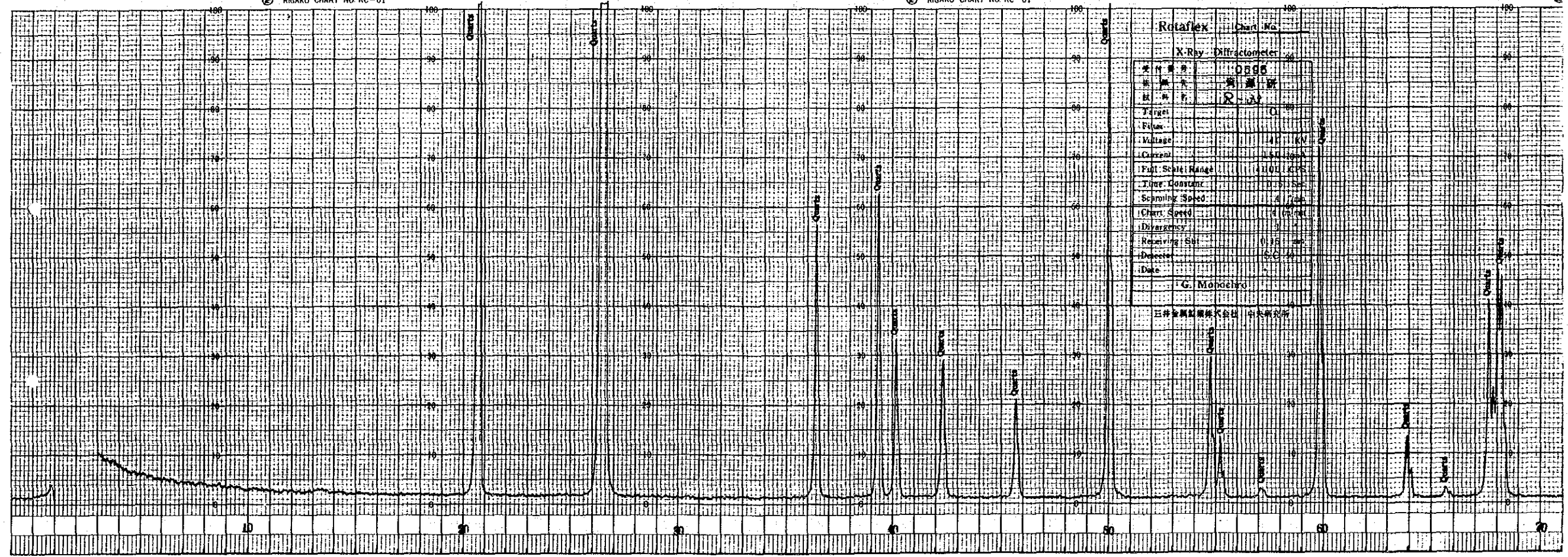
RIGAKU CHART NO. KC-01

RIGAKU CHART NO. KC-01

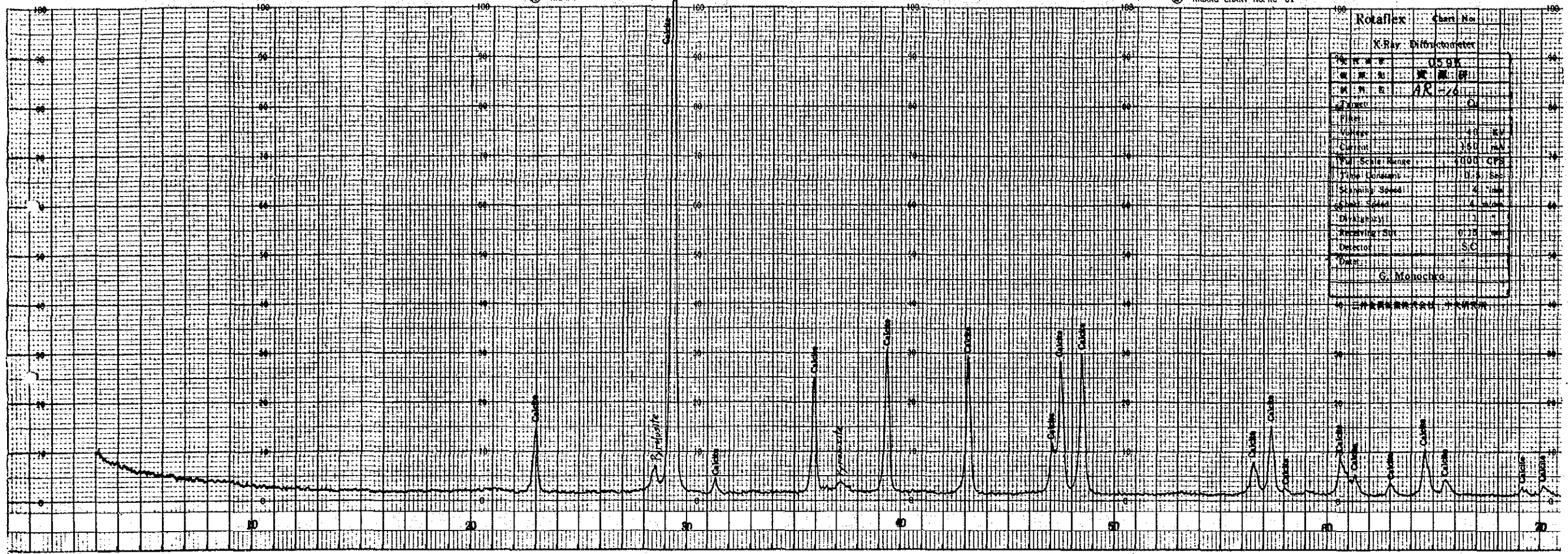




Rotaflex		Chart No.
X-Ray Diffractometer		
Sample No.	0595	
Sample Name	Pyrochlore	
Target	Co	
Filter		
Voltage	40 KV	
Current	150 mA	
Full Scale Range	1000 CPS	
Time Constant	100 Sec	
Scanning Speed	4 deg	
Chart Speed	4 mm/min	
Divergency		
Receiving Slit	0.5 mm	
Detector	SC	
Date		
G. Monochro		



Rotaflex		Chart No.
X-Ray Diffractometer		
Sample No.	0886	
Sample Name	Pyrochlore	
Target	Co	
Filter		
Voltage	40 KV	
Current	150 mA	
Full Scale Range	1000 CPS	
Time Constant	100 Sec	
Scanning Speed	4 deg	
Chart Speed	4 mm/min	
Divergency		
Receiving Slit	0.5 mm	
Detector	SC	
Date		
G. Monochro		



Rotaflex	Chart No.
X-Ray Diffractometer	
Model	US 9K
Tube	AC-26
Filter	
Voltage	40 kV
Current	30 mA
Scale Range	100 CPS
Scan Rate	1.0 deg/min
Slit	1.4 mm
Detector	SC
Sample	
Operator	

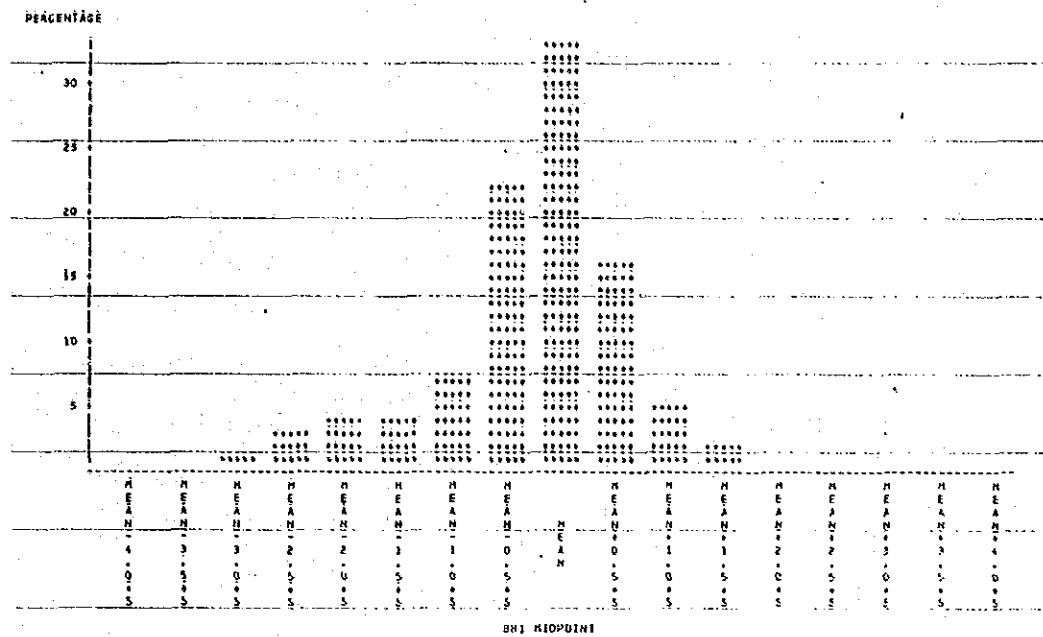
© Molecular

Bohol • Siguijor Area

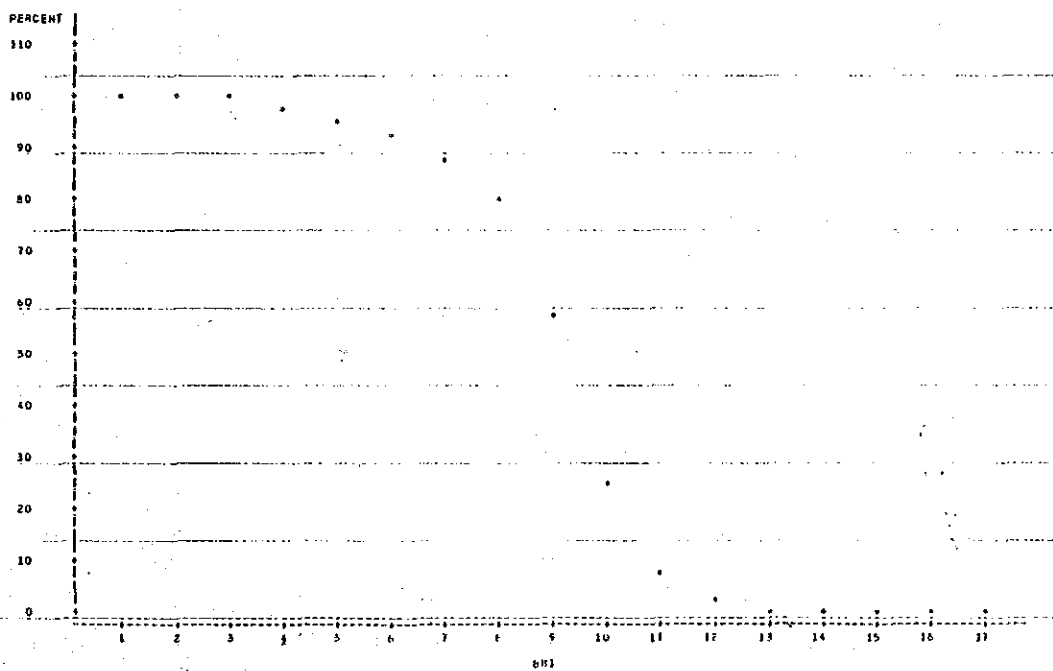
試料名	鉱物名													
	Quartz	Calcite		Clinopyroxene		Chlorite	Antigorite	Sericite	Kaolinite		Pyrolusite			
Bocotol-1				⊙		△	⊙							
Ong	⊙							•	○					
Anda ore 1											⊙			
R-33	⊙													
AR-16		⊙									△			

⊙多量 ○中量 △少量 •微量

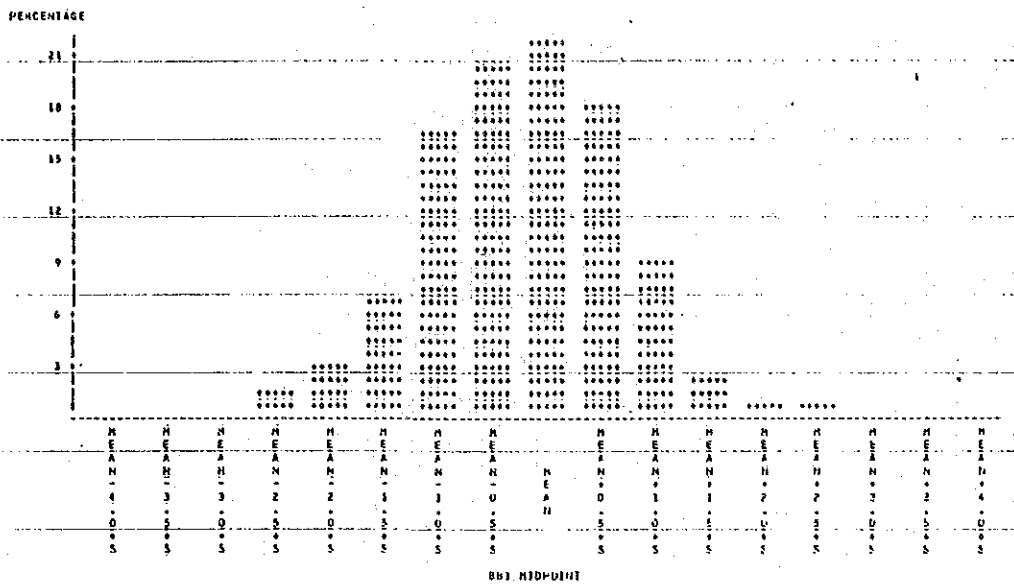
Appendix 5 Histogram and Cumulative Frequency Curve
 (Sierra Madre - Polillo Area)



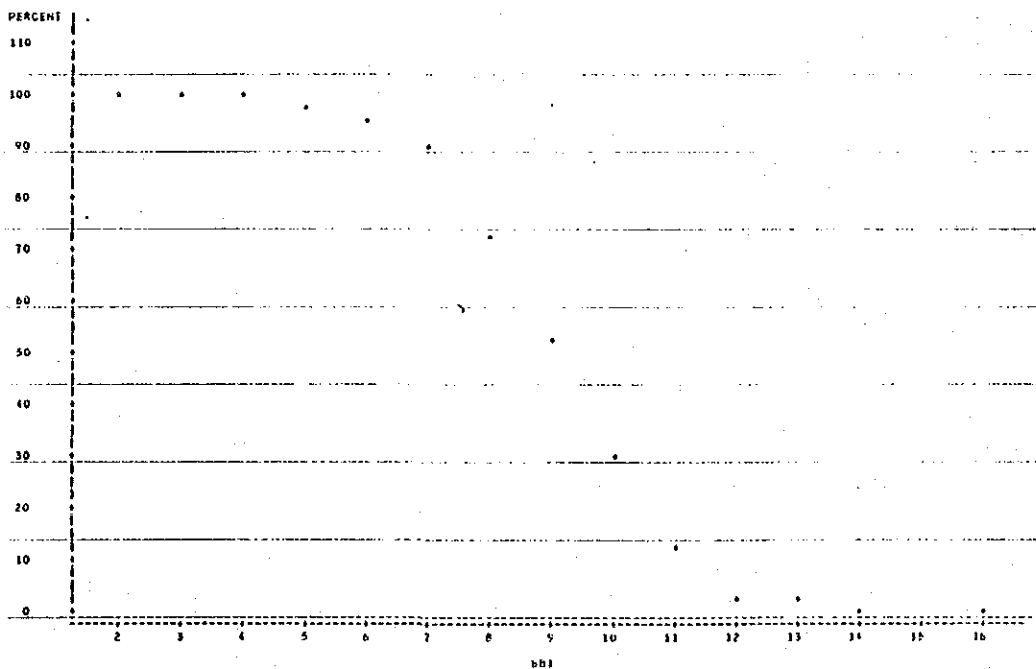
Histogram of Cu Contents Distribution in Lithological Code I • II



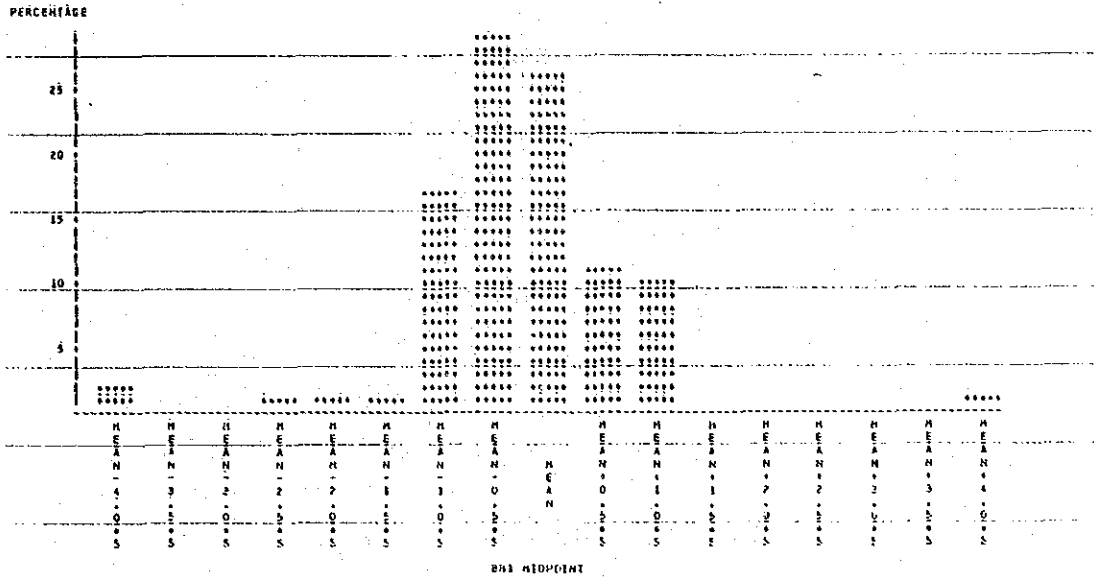
Cumulative Frequency Curve of Cu Contents Distribution in
 Lithological Code I • II



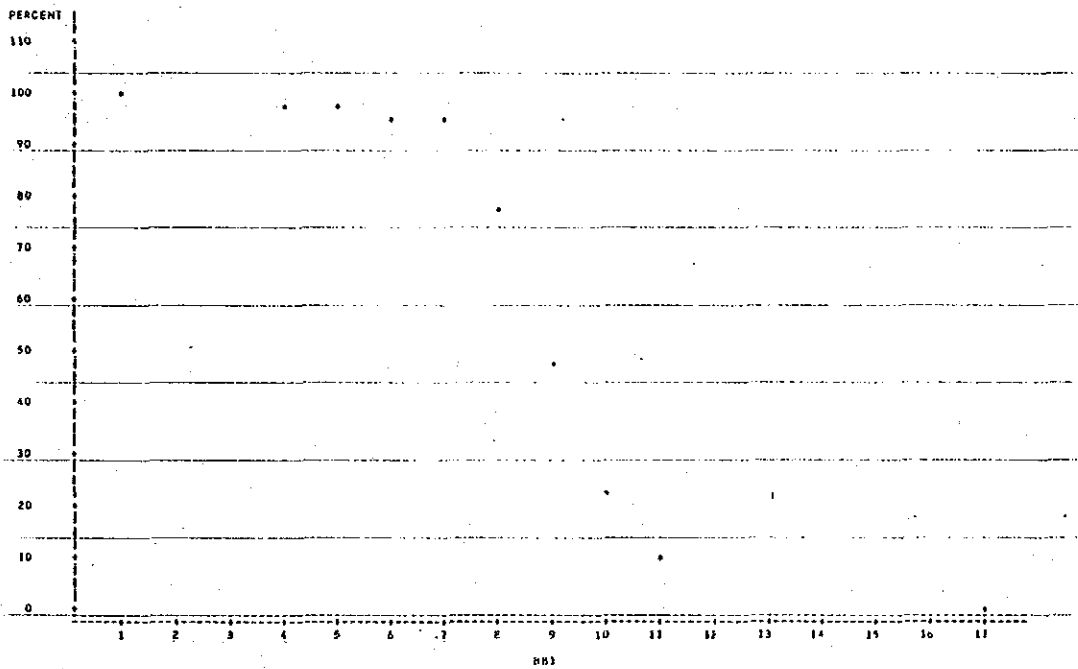
Histogram of Cu Contents Distribution in Lithological Code III



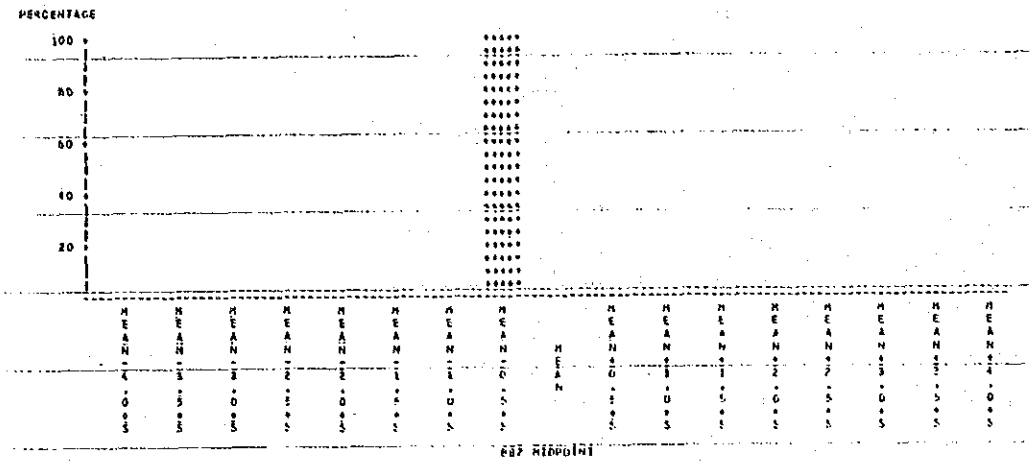
Cumulative Frequency Curve of Cu Contents Distribution in Lithological Code III



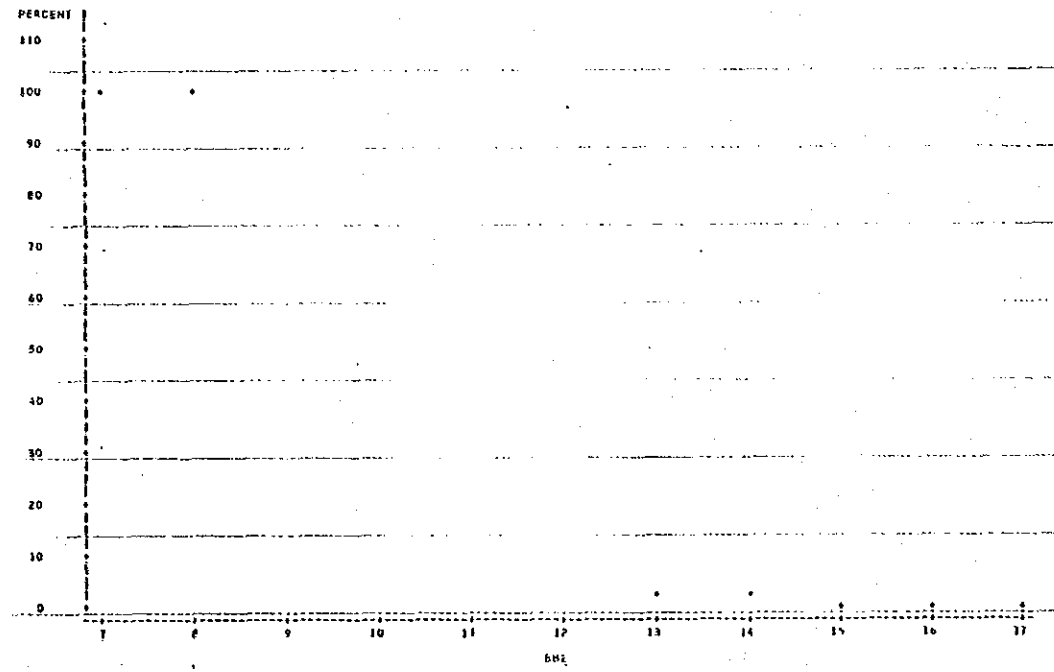
Histogram of Cu Contents Distribution in Lithological Code IV



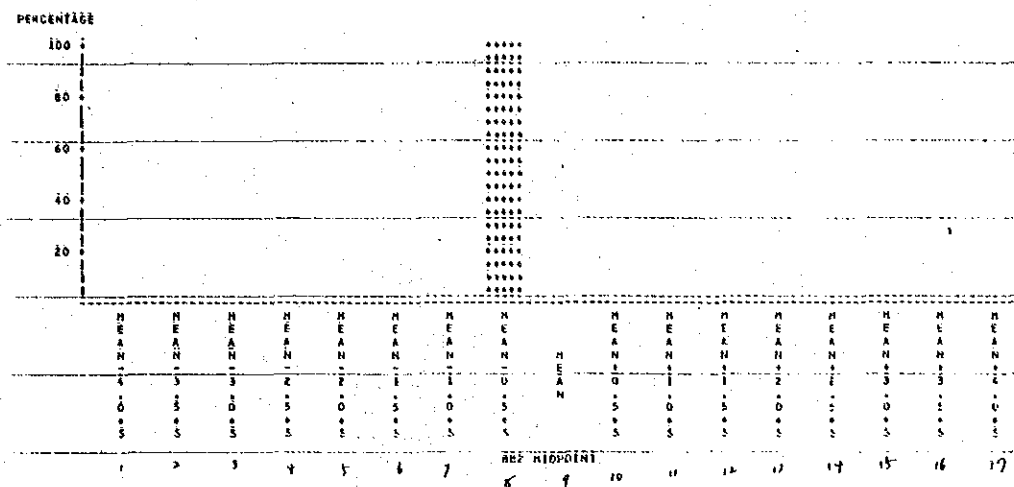
Cumulative Frequency Curve of Cu Contents Distribution in Lithological Code IV



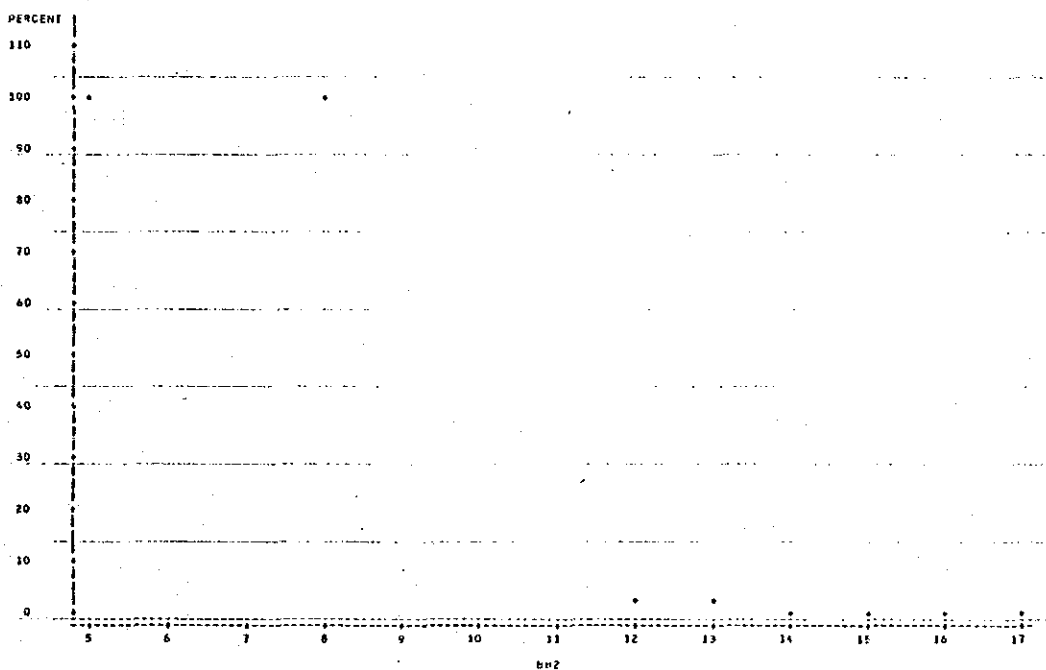
Histogram of Pb Contents Distribution in Lithological Code I



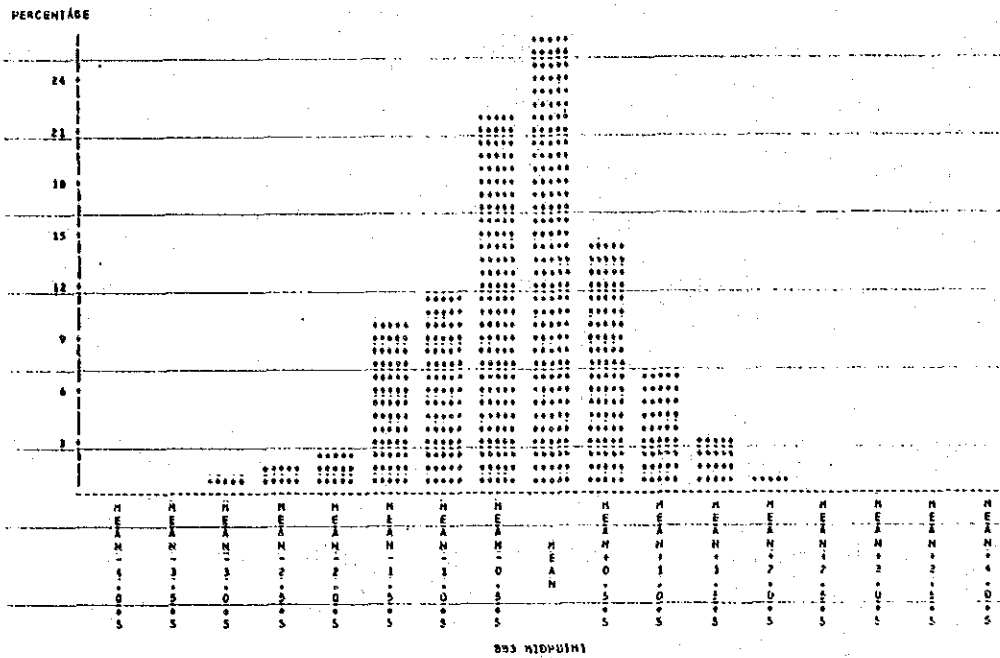
Cumulative Frequency Curve of Pb Contents Distribution in Lithological Code I



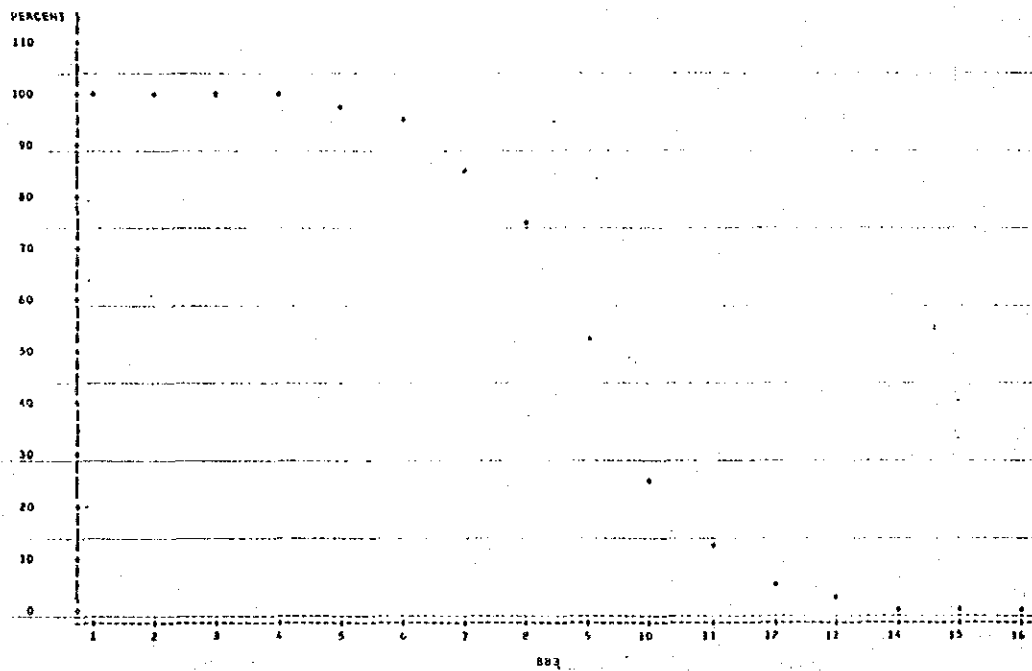
Histogram of Pb Contents Distribution in Lithological Code II • III • IV



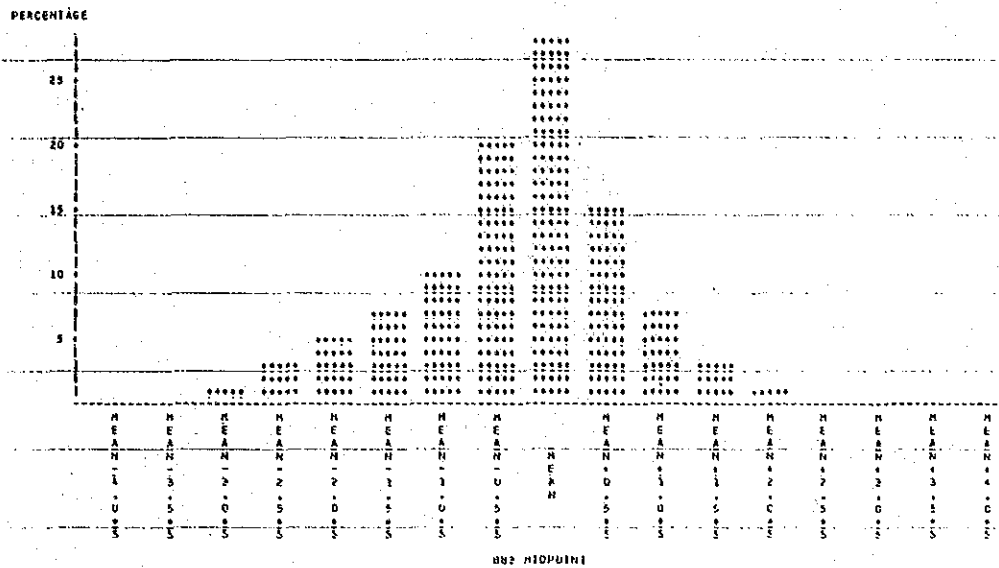
Cumulative Frequency Curve of Pb Contents Distribution in Lithological Code II • III • IV



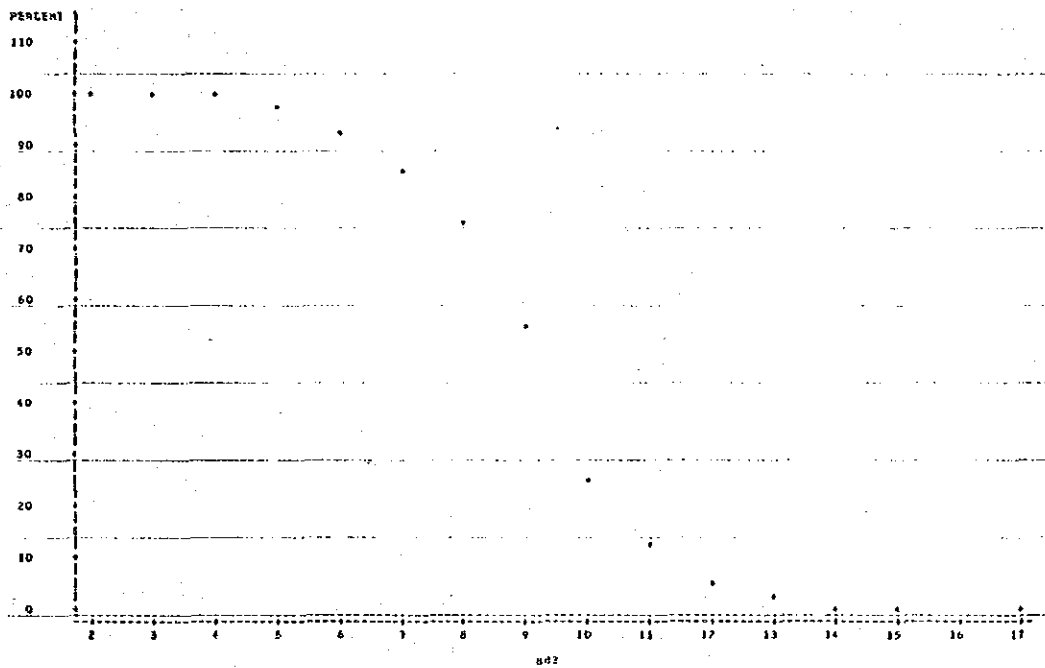
Histogram of Zn Contents Distribution in Lithological Code I



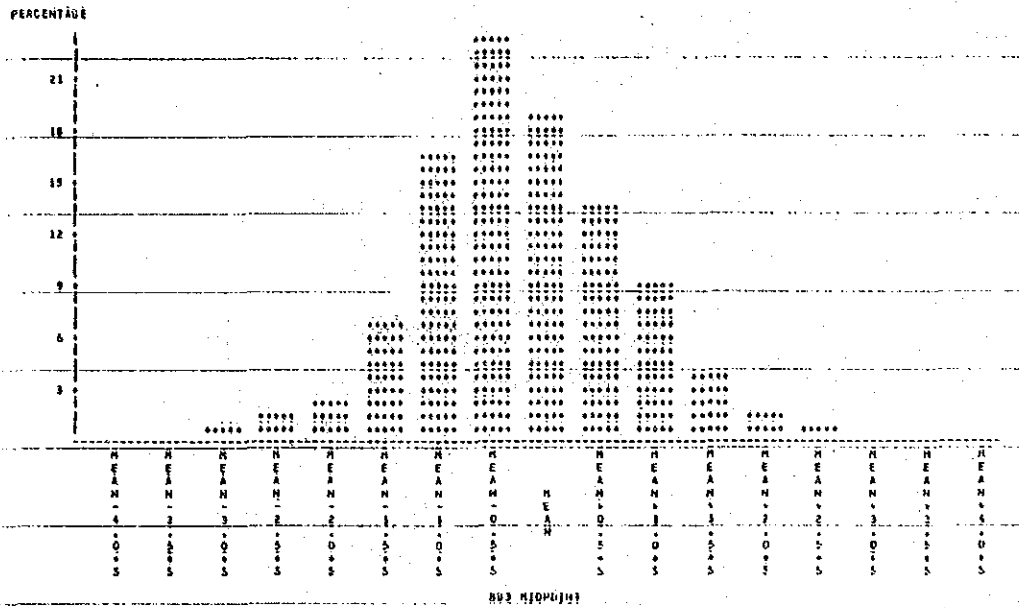
Cumulative Frequency Curve of Zn Contents Distribution in Lithological Code I



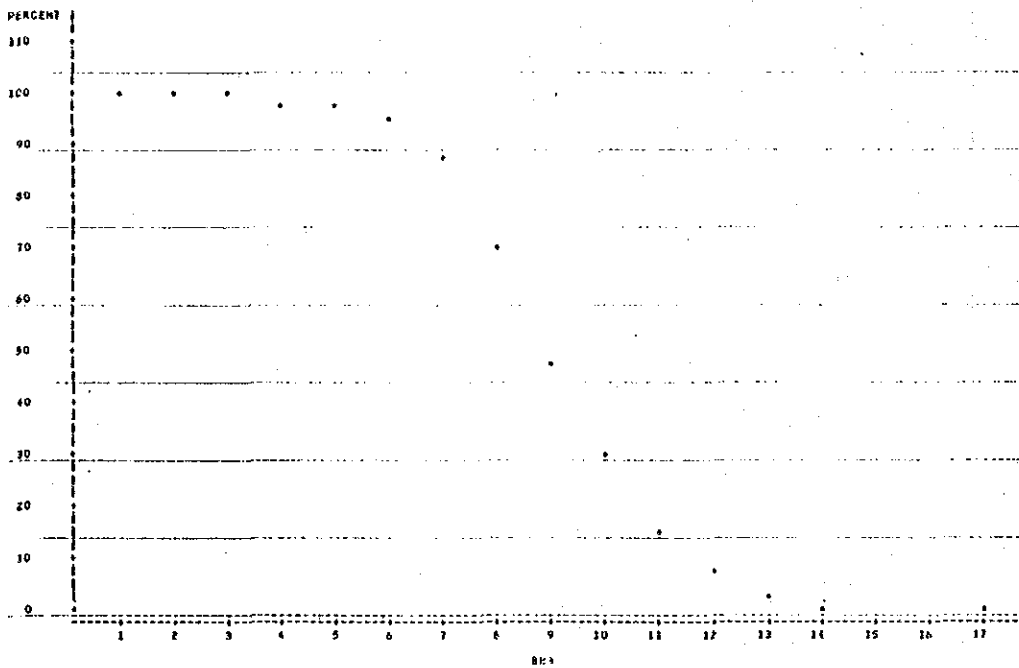
Histogram of Zn Contents Distribution in Lithological Code II



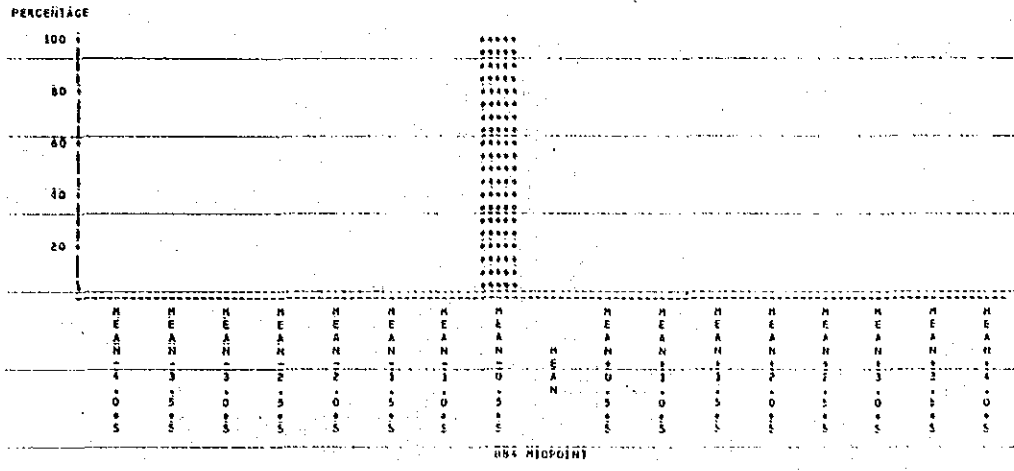
Cumulative Frequency Curve of Zn Contents Distribution in Lithological Code II



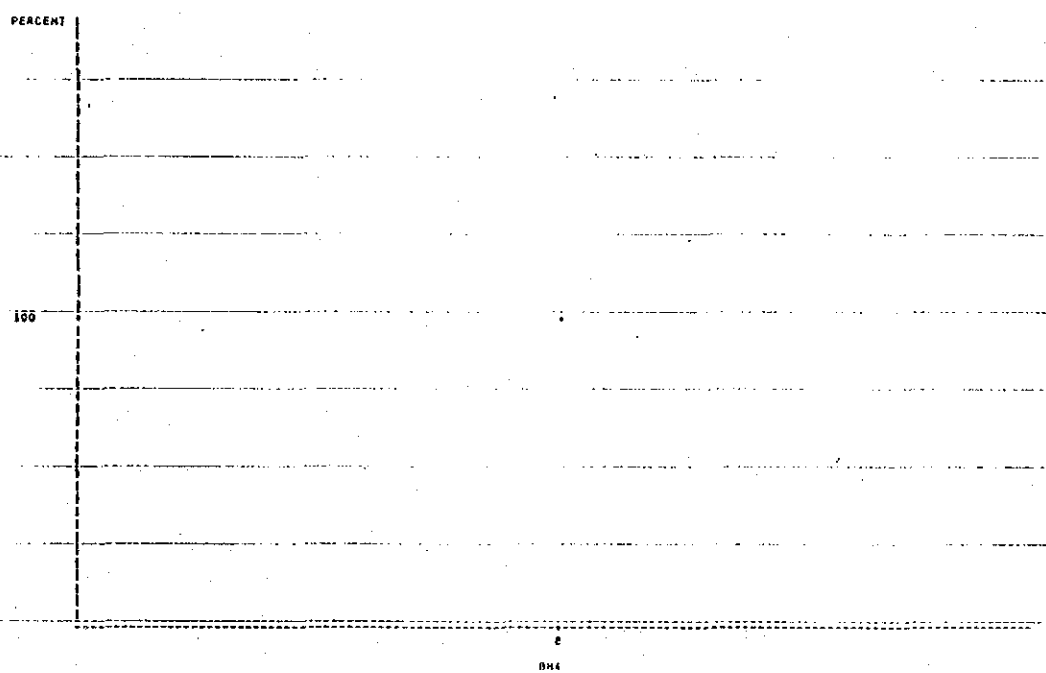
Histogram of Zn Contents Distribution in Lithological Code III • IV



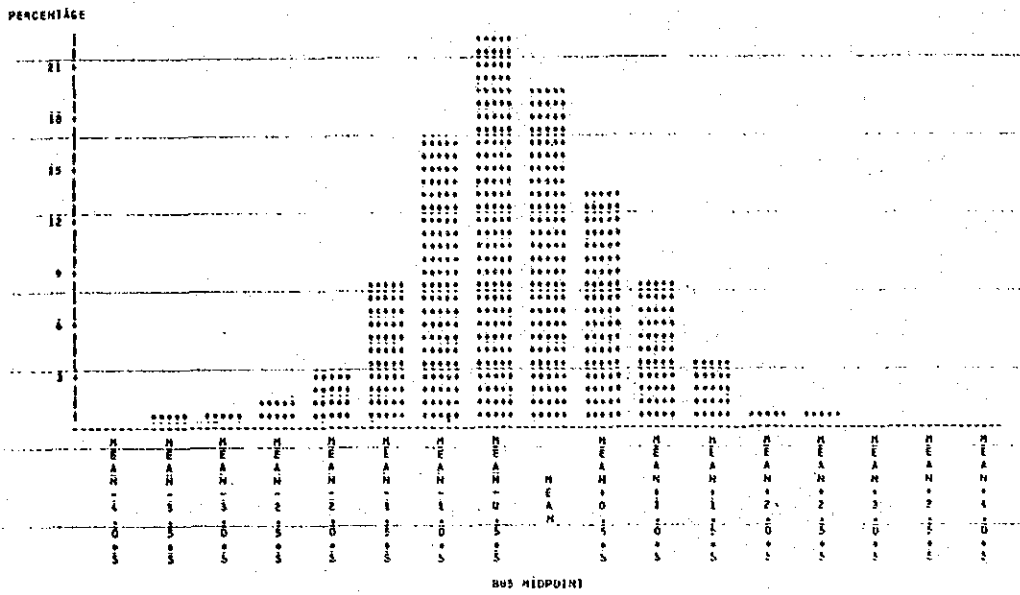
Cumulative Frequency Curve of Zn Contents Distribution in Lithological Code III • IV



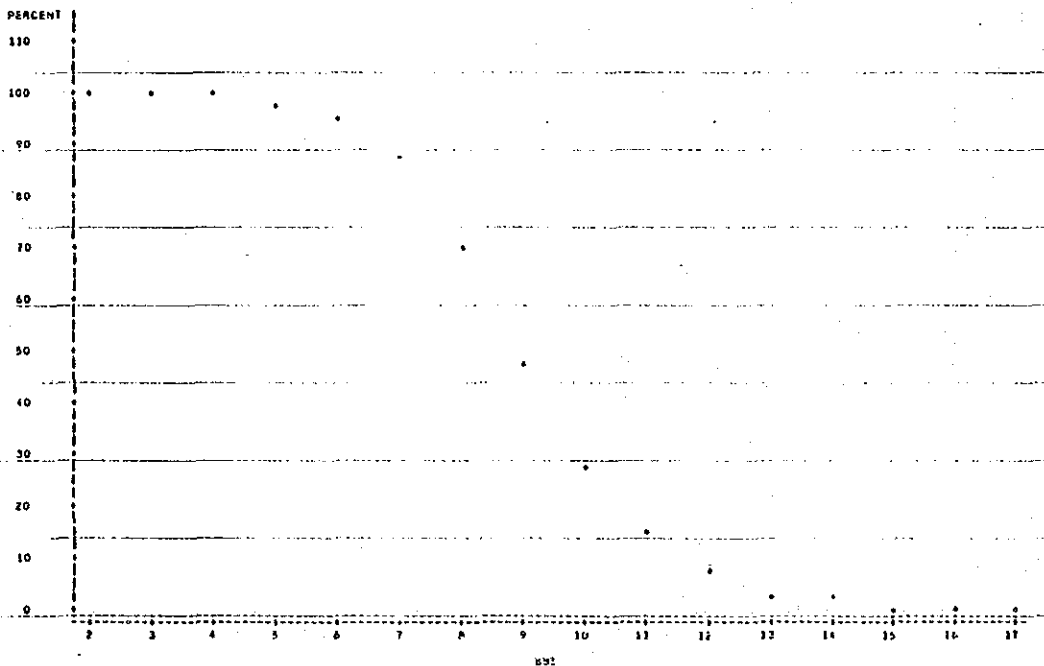
Histogram of Ag Contents Distribution in Lithological Code I • II • III • IV



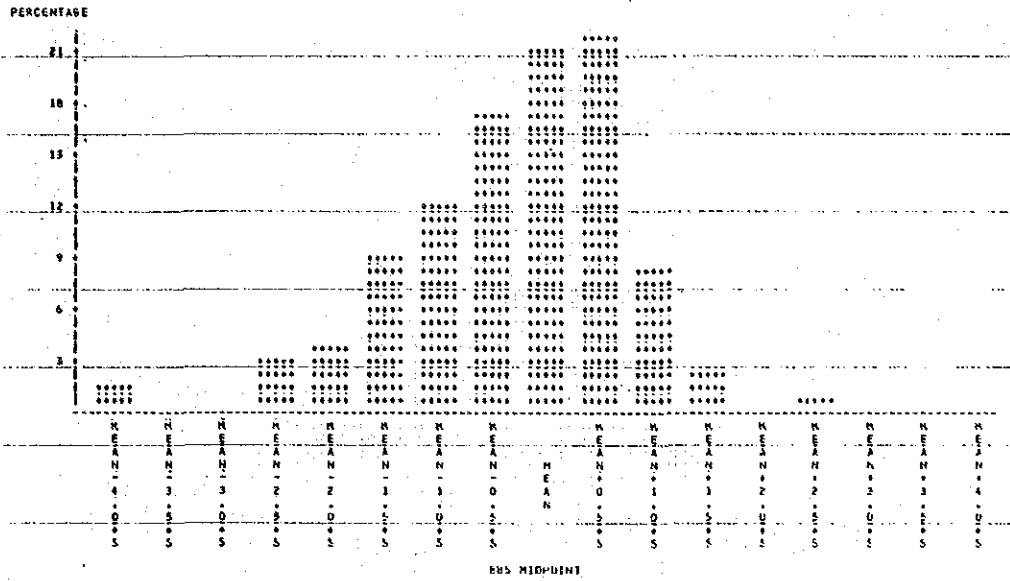
Cumulative Frequency Curve of Ag Contents Distribution in Lithological Code I • II • III • IV



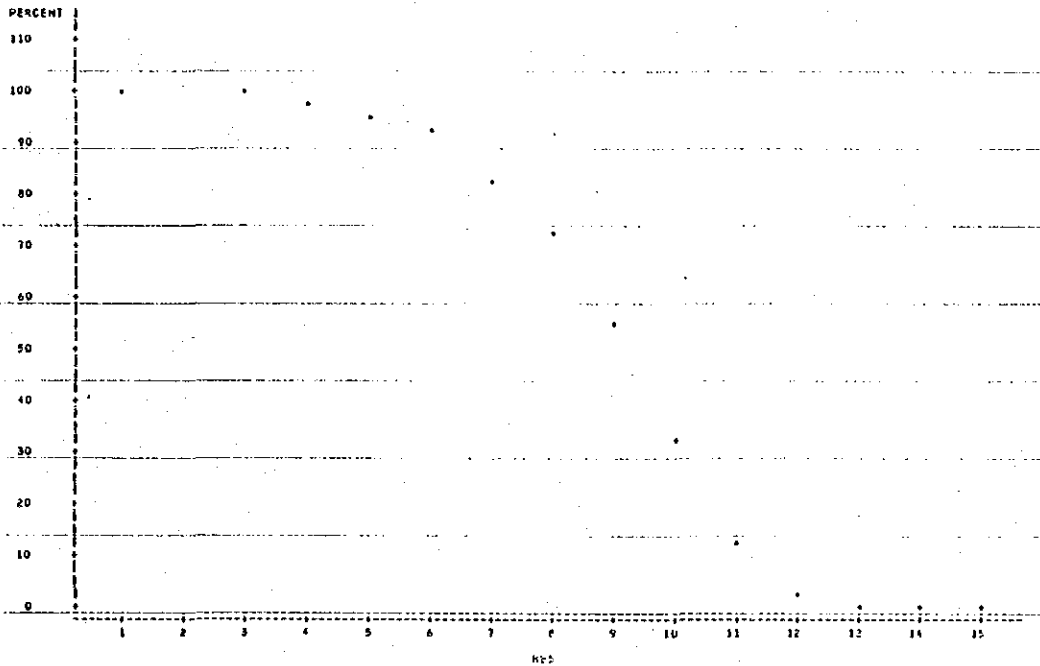
Histogram of N_j Contents Distribution in Lithological Code I



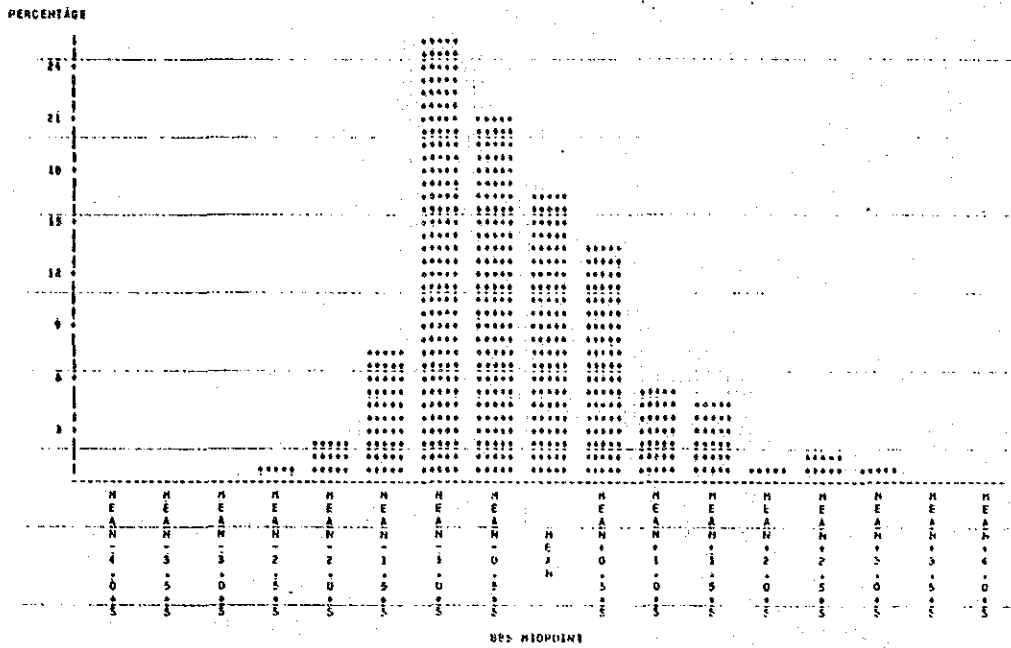
Cumulative Frequency Curve of N_j Contents Distribution in Lithological Code I



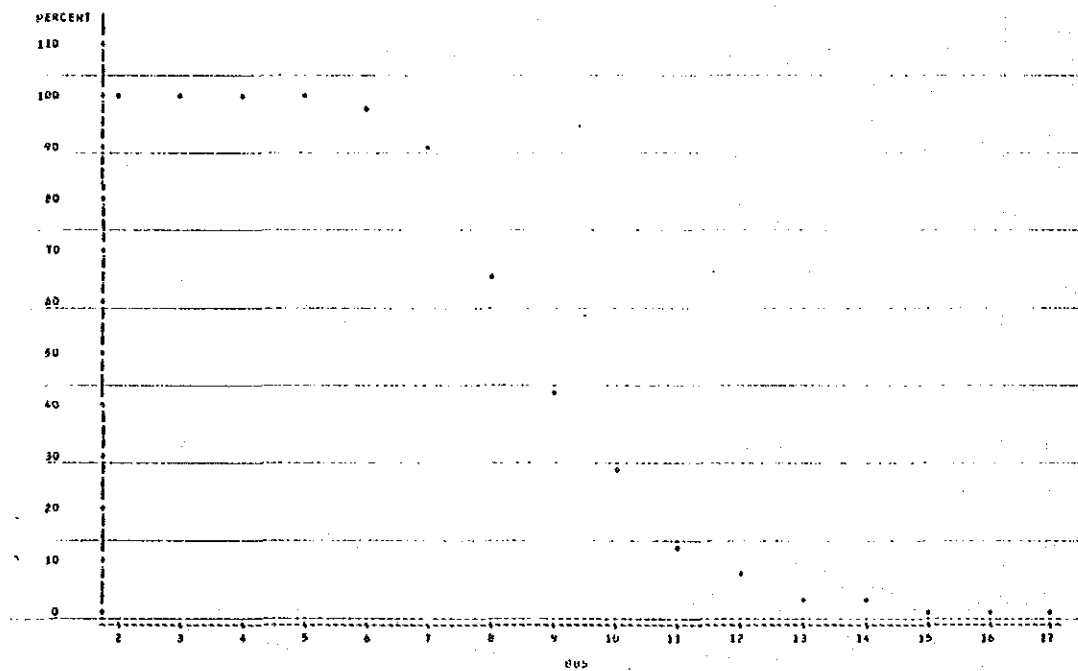
Histogram of N_i Contents Distribution in Lithological Code II



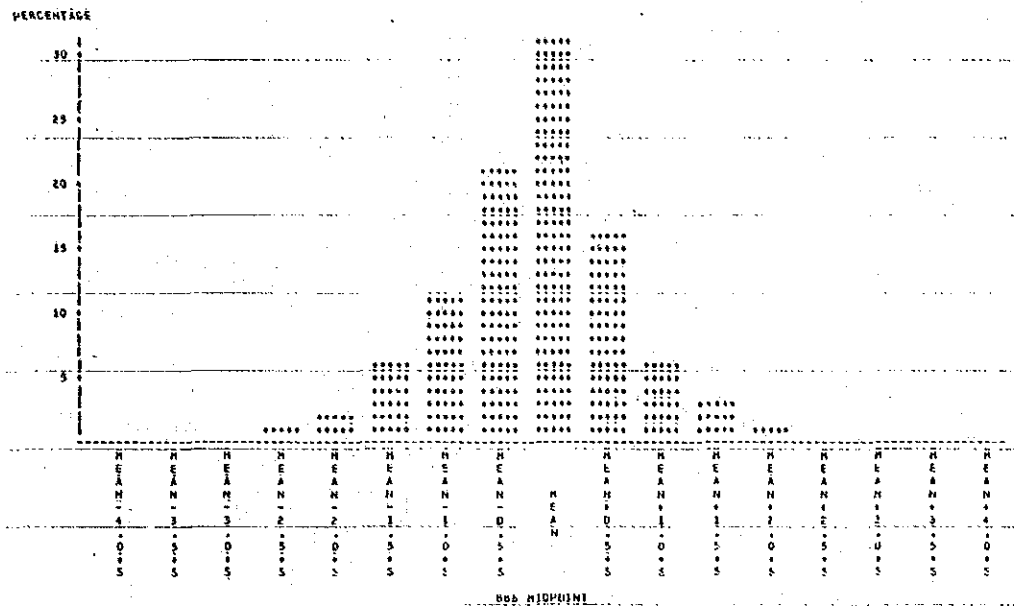
Cumulative Frequency Curve of N_i Contents Distribution in Lithological Code II



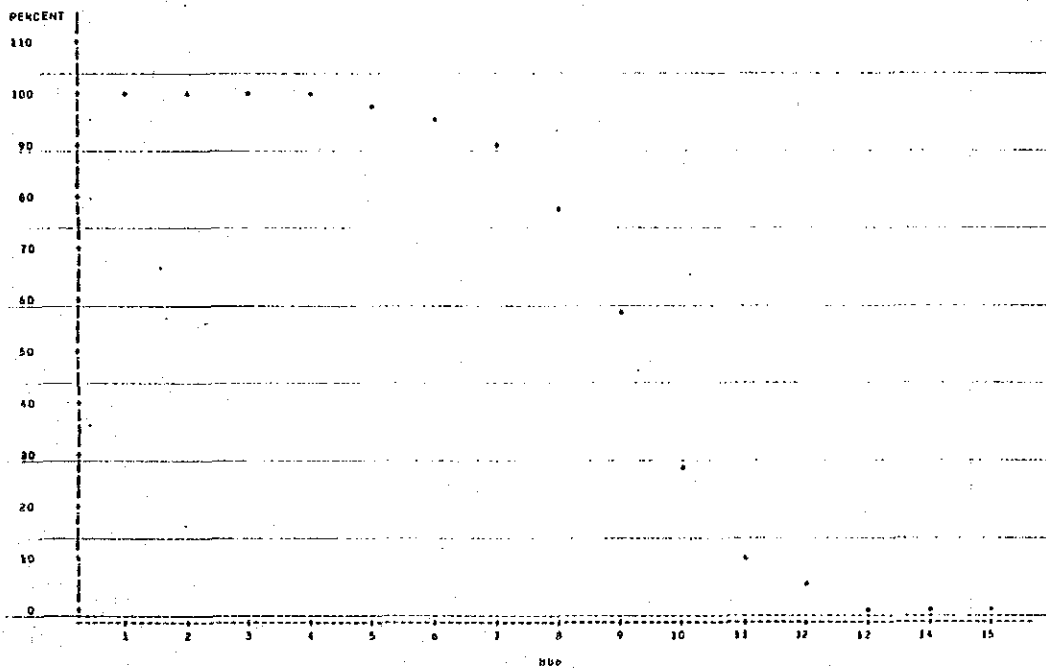
Histogram of Ni Contents Distribution in Lithological Code III-IV



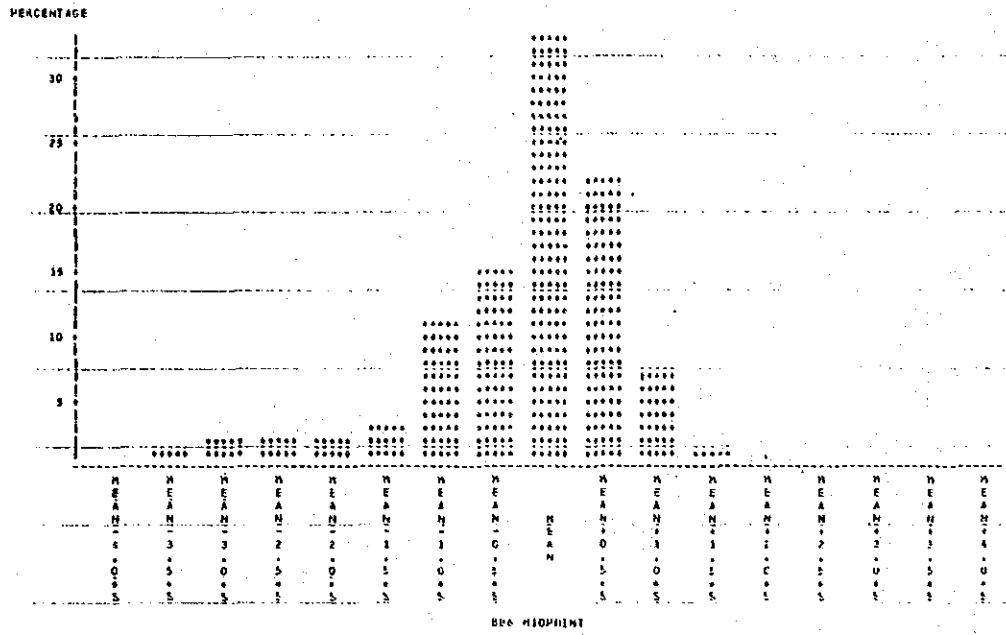
Cumulative Frequency Curve of Ni Contents Distribution in Lithological Code III-IV



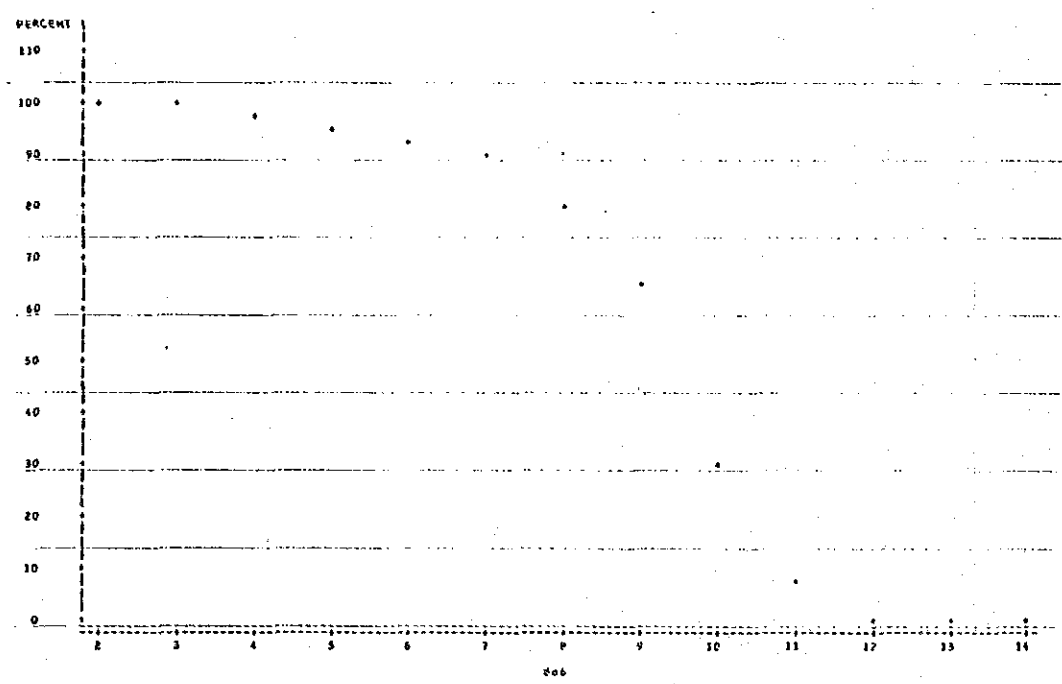
Histogram of Co Contents Distribution in Lithological Code I



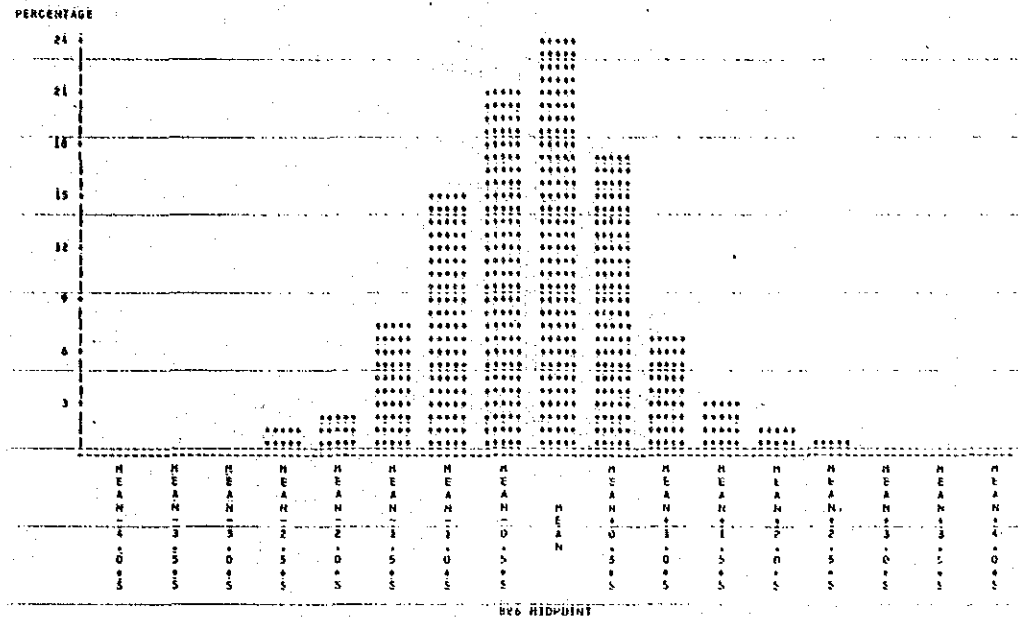
Cumulative Frequency Curve of Co Contents Distribution in Lithological Code I



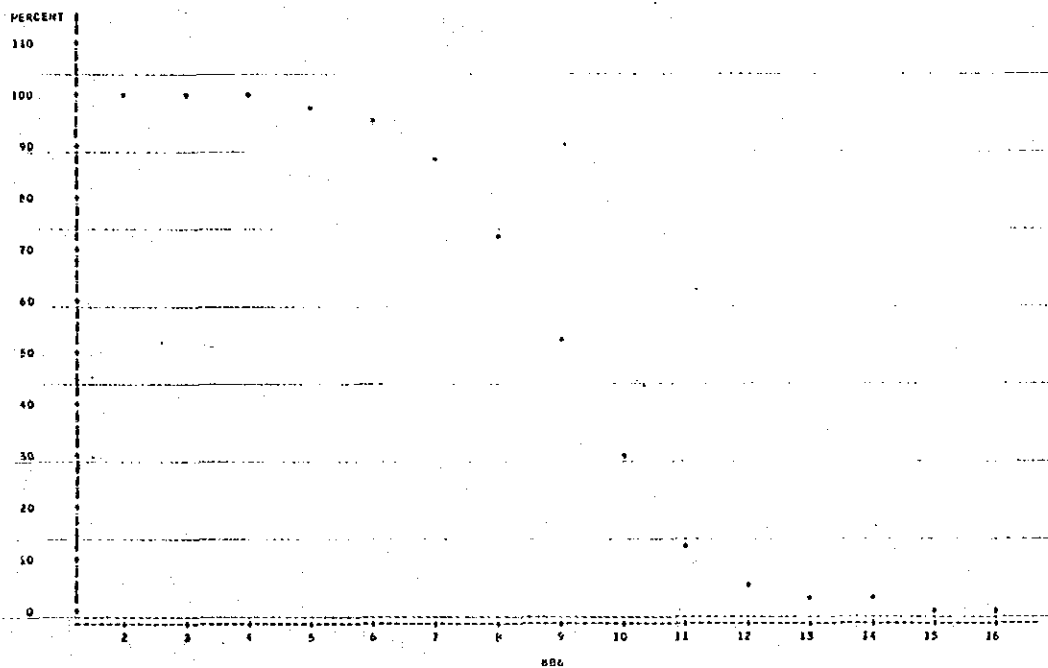
Histogram of Co Contents Distribution in Lithological Code II



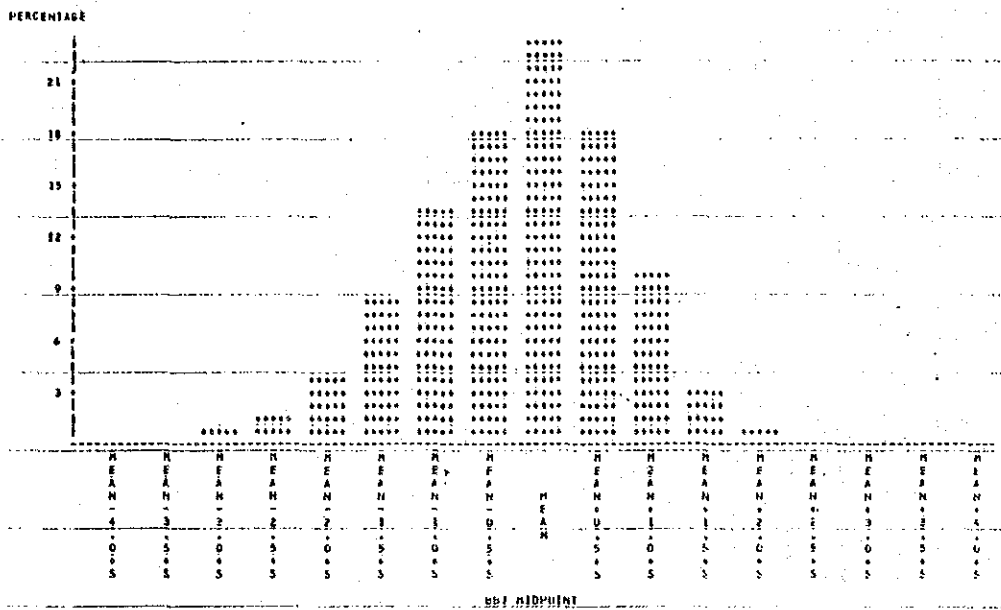
Cumulative Frequency Curve of Co Contents Distribution in Lithological II



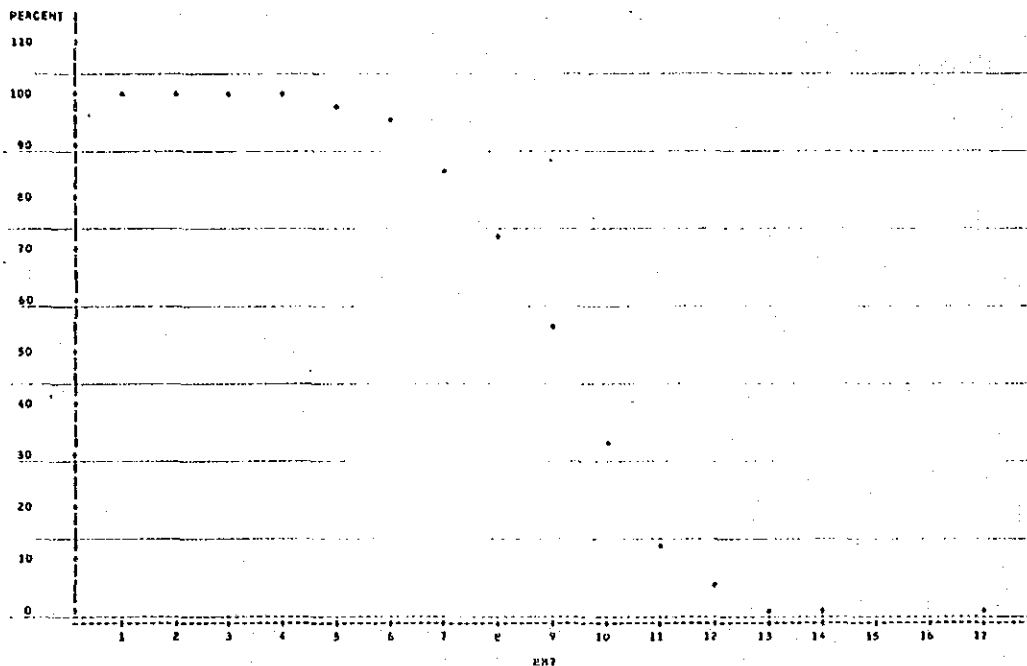
Histogram of Co Contents Distribution in Lithological Code III • IV



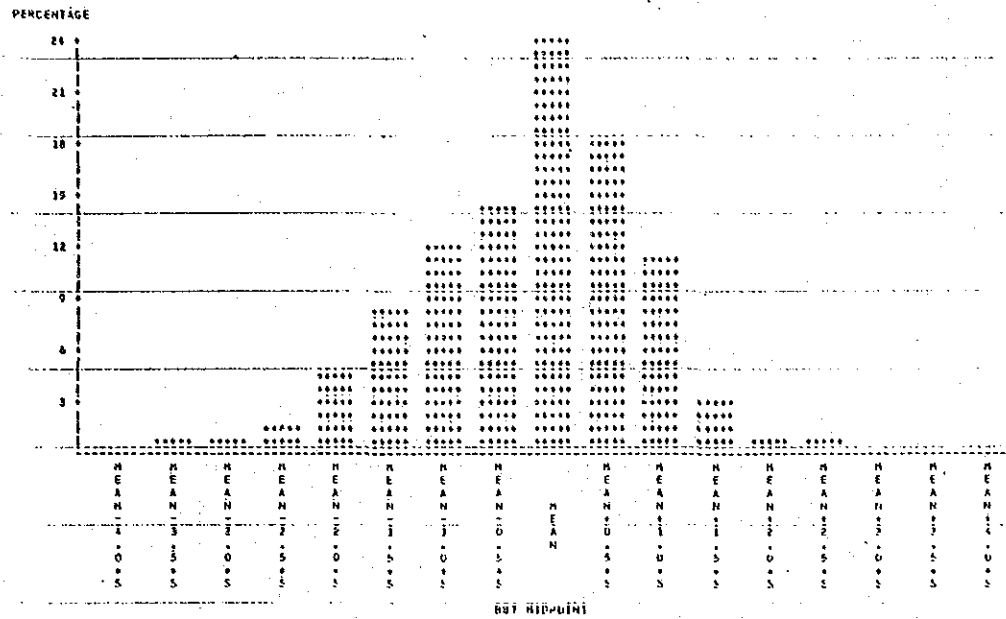
Cumulative Frequency Curve of Co Contents Distribution in Lithological Code III • IV



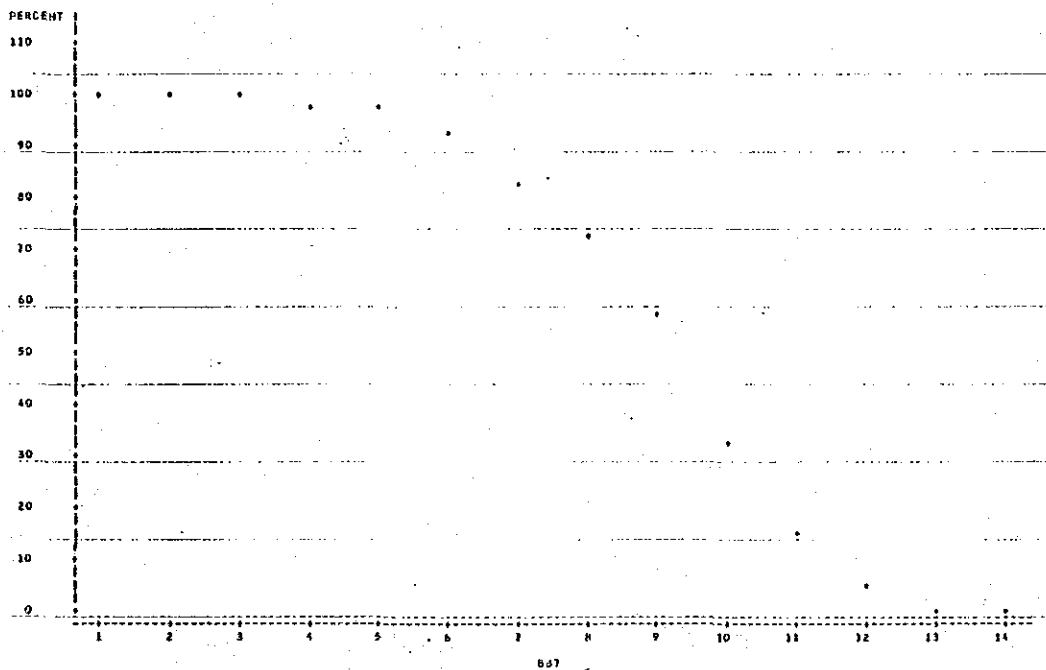
Histogram of Mn Contents Distribution in Lithological Code I



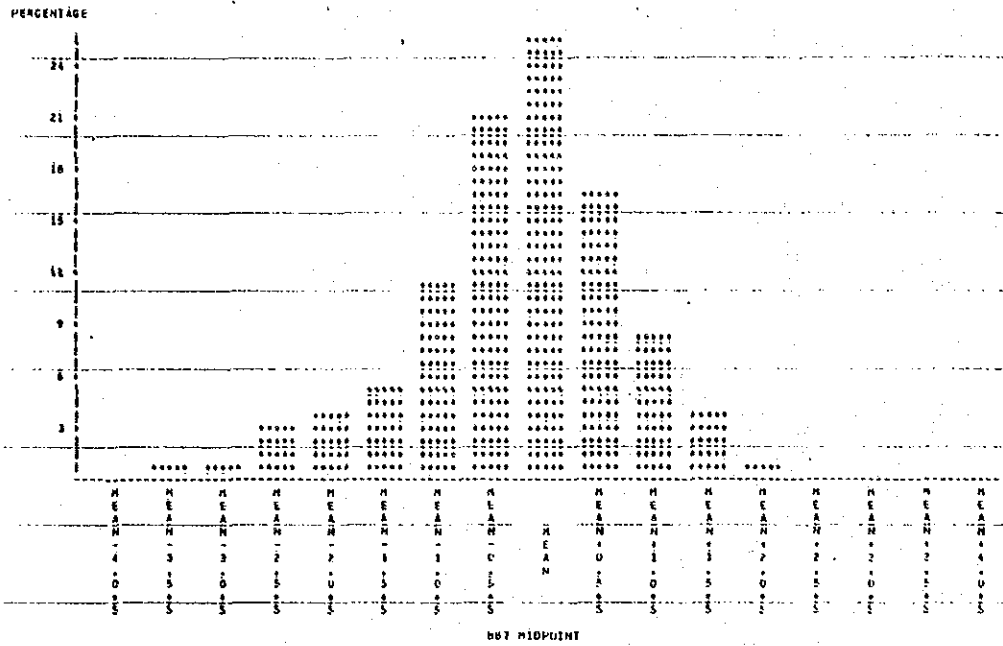
Cumulative Frequency Curve of Mn Contents Distribution in Lithological Code I



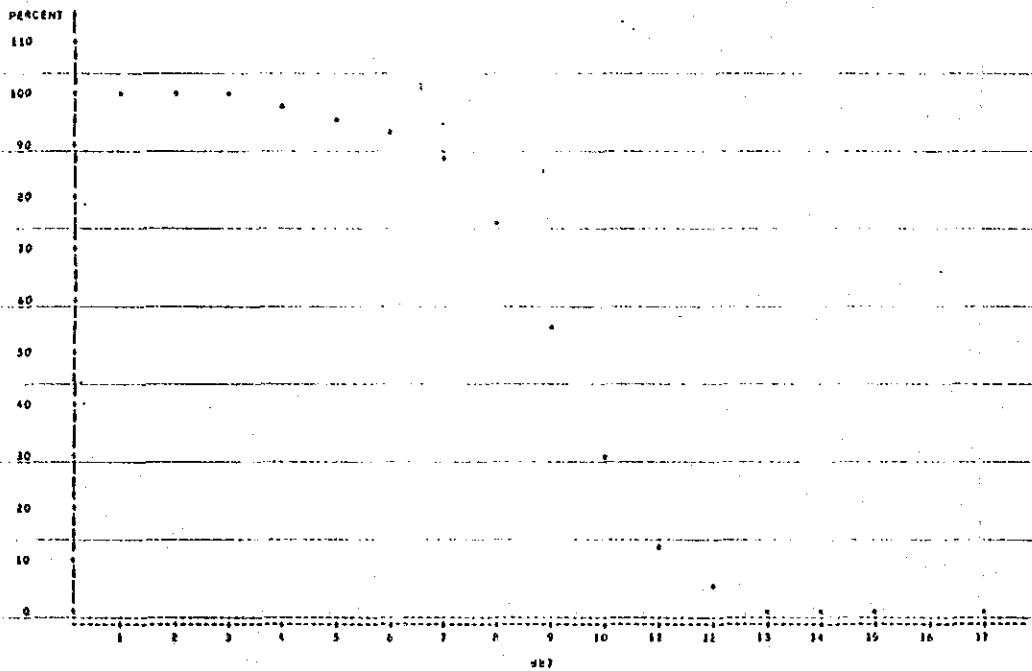
Histogram of Mn Contents Distribution in Lithological Code II



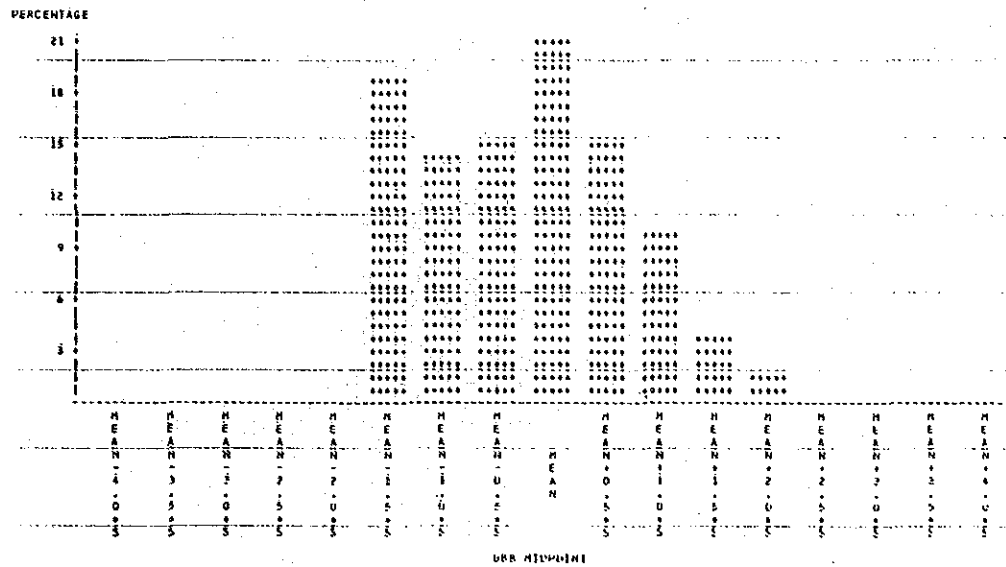
Cumulative Frequency Curve of Mn Contents Distribution in Lithological Code II



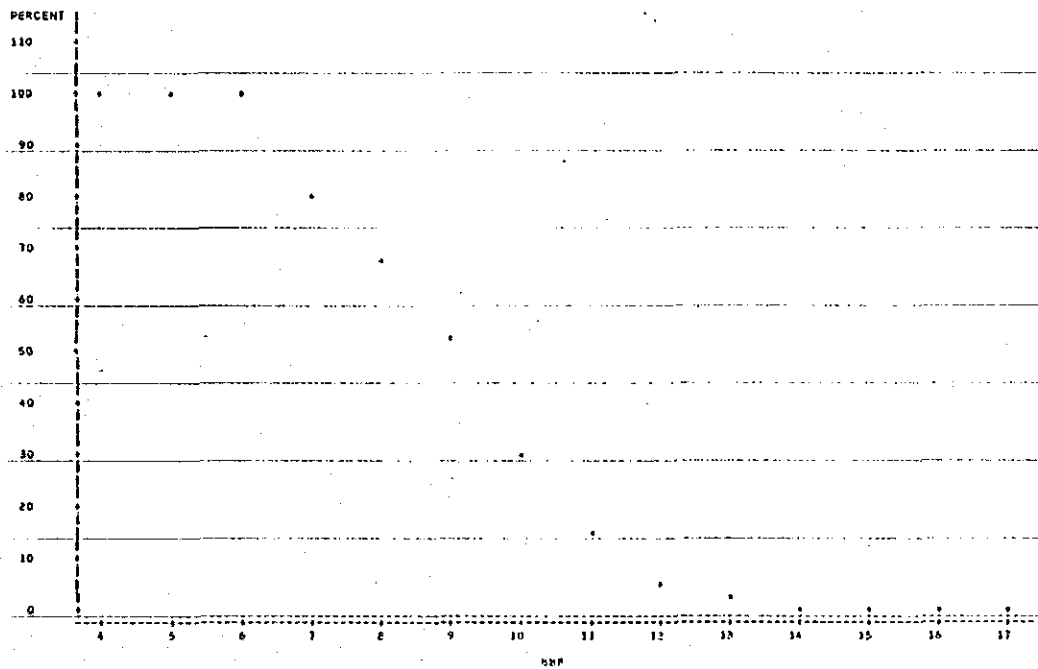
Histogram of Mn Contents Distribution in Lithological Code III • IV



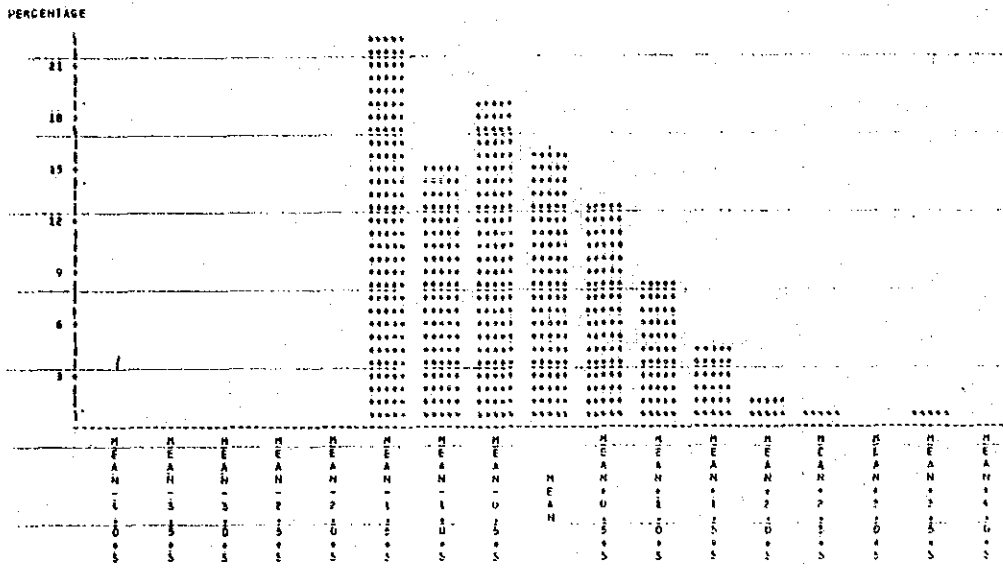
Cumulative Frequency Curve of Mn Contents Distribution in Lithological Code III • IV



Histogram of As Contents Distribution in Lithological Code I

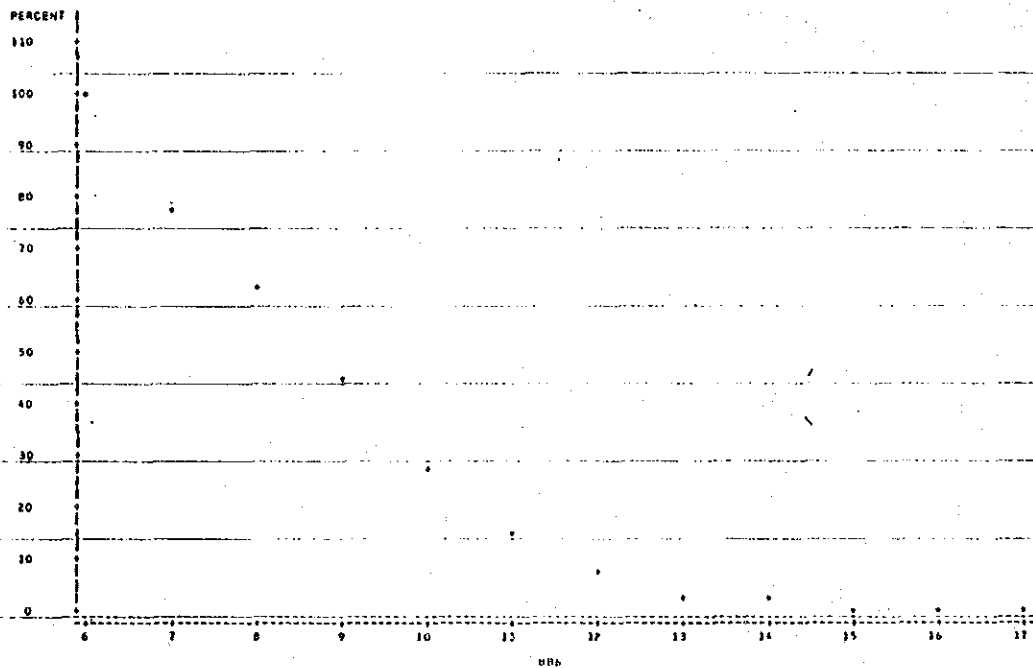


Cumulative Frequency Curve of As Contents Distribution in Lithological Code I

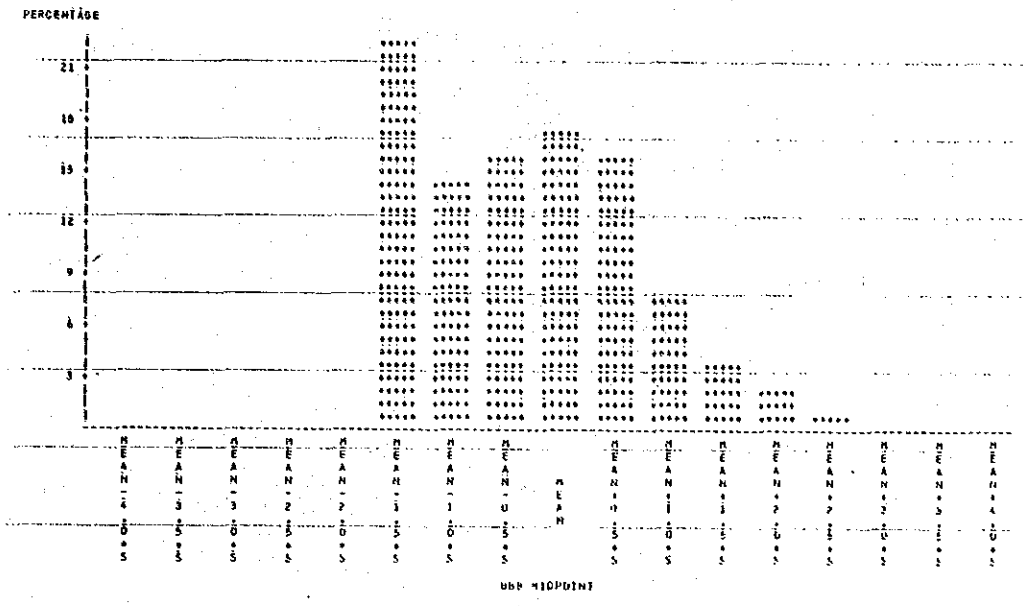


end #10PHHT

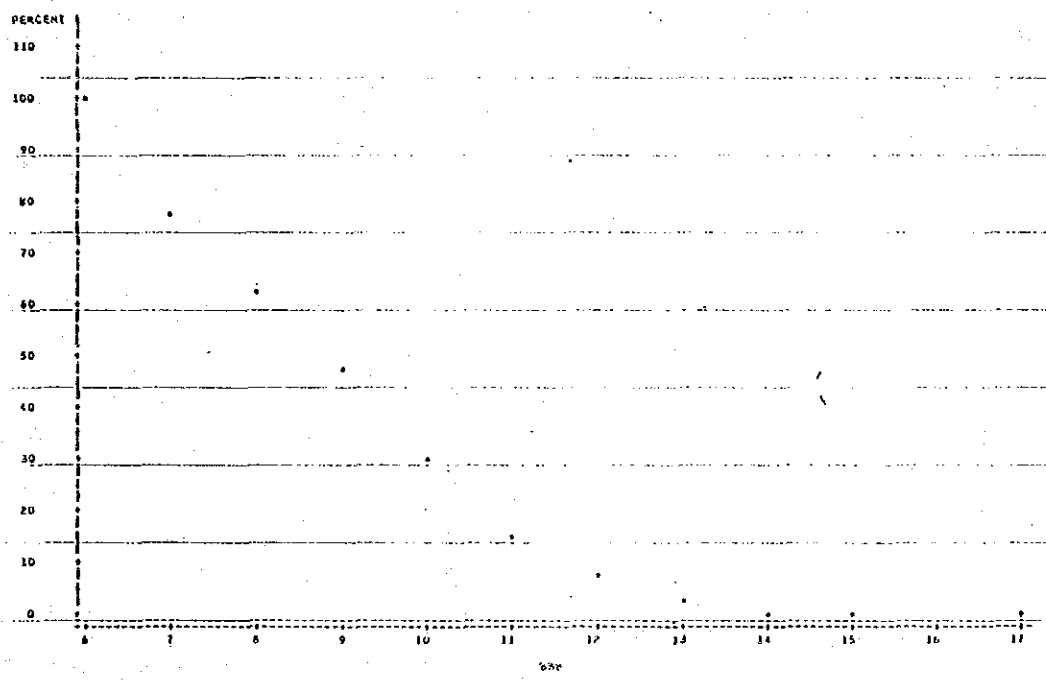
Histogram of As Contents Distribution in Lithological Code II



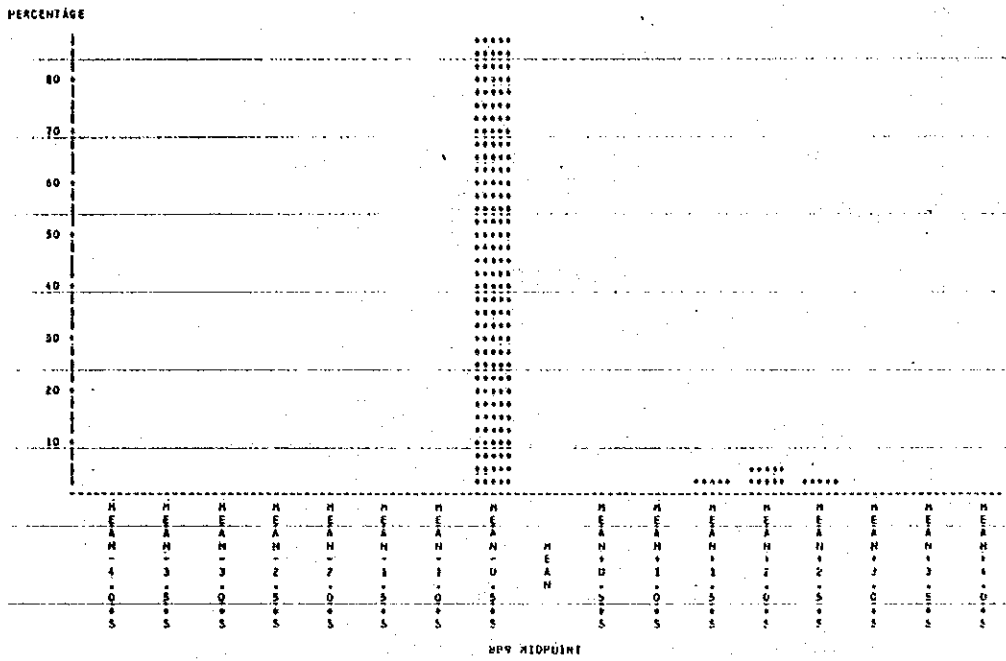
Cumulative Frequency Curve of As Contents Distribution in Lithological Code II



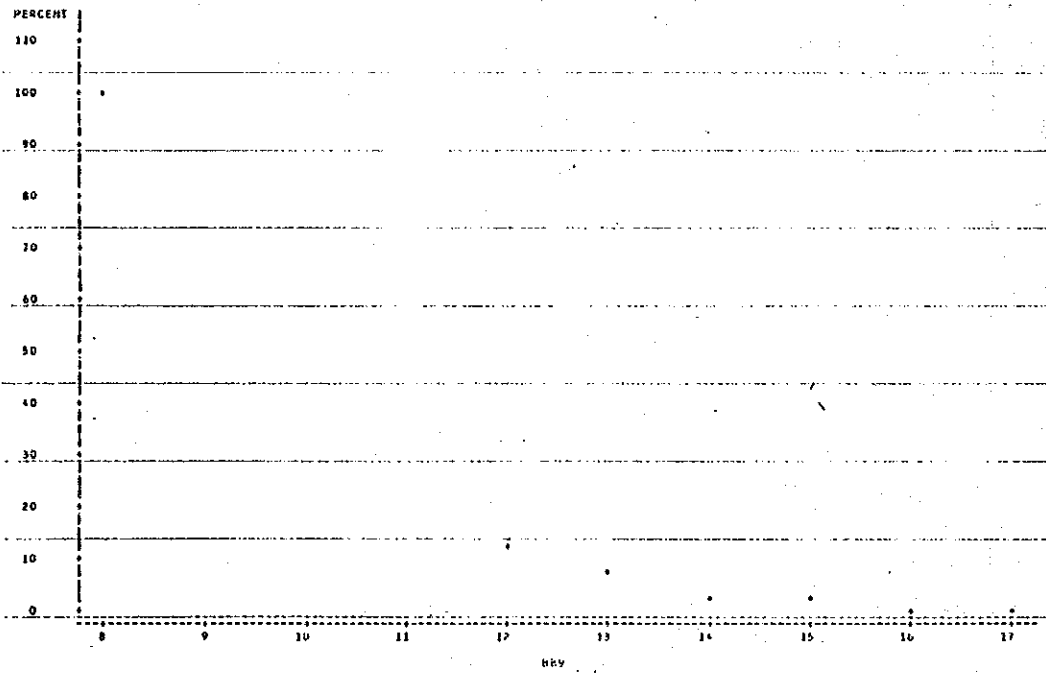
Histogram of As Contents Distribution in Lithological Code III-IV



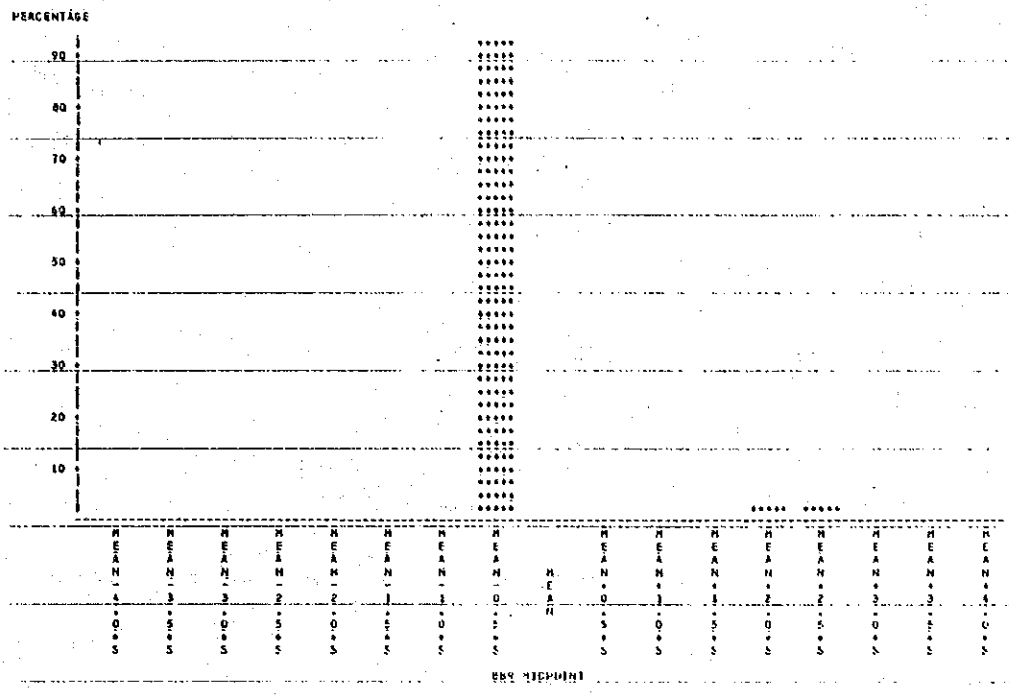
Cumulative Frequency Curve of As Contents Distribution in Lithological Code III-IV



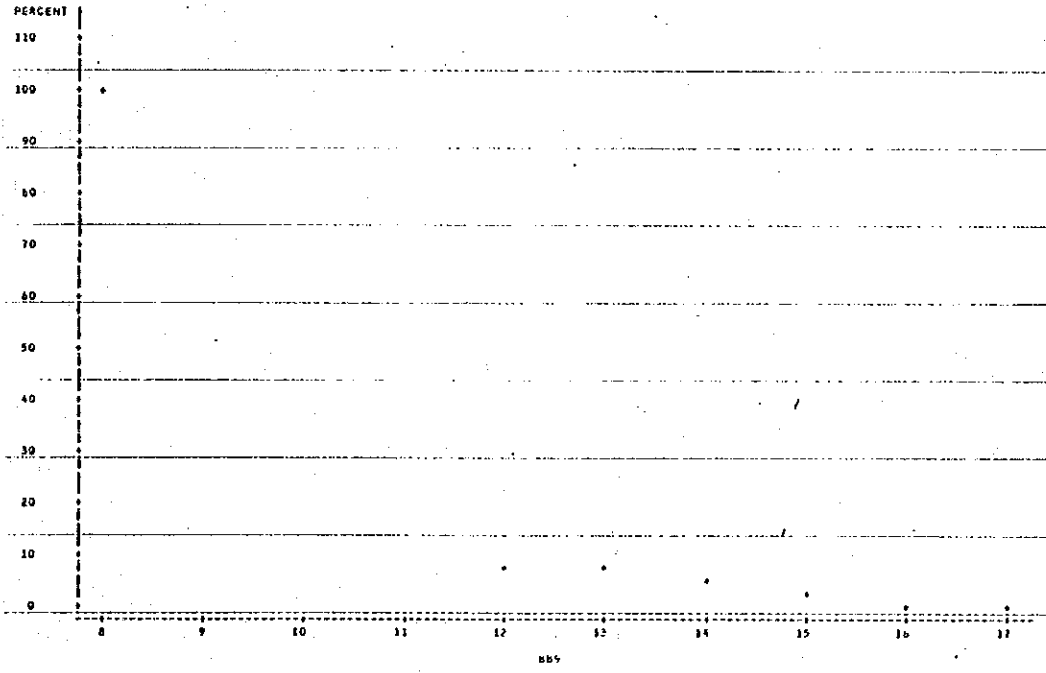
Histogram of Hg Contents Distribution in Lithological Code I



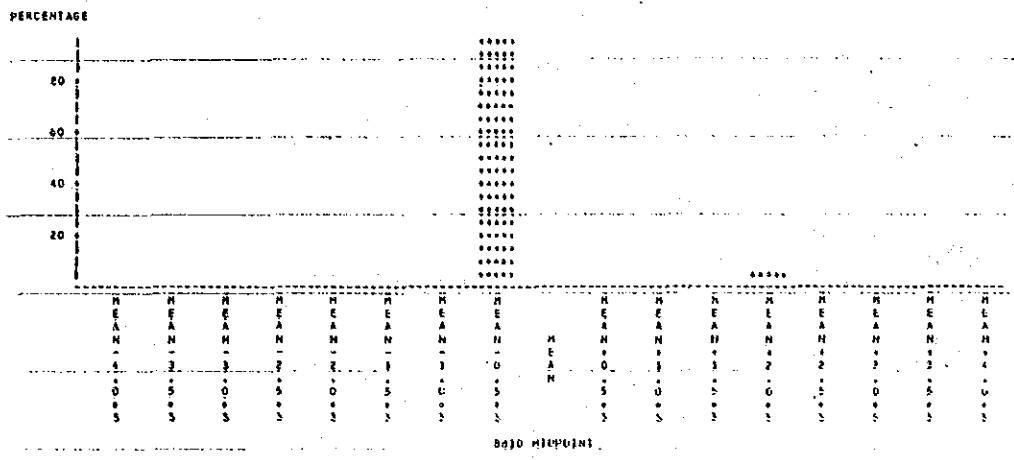
Cumulative Frequency Curve of Hg Contents Distribution in Lithological Code I



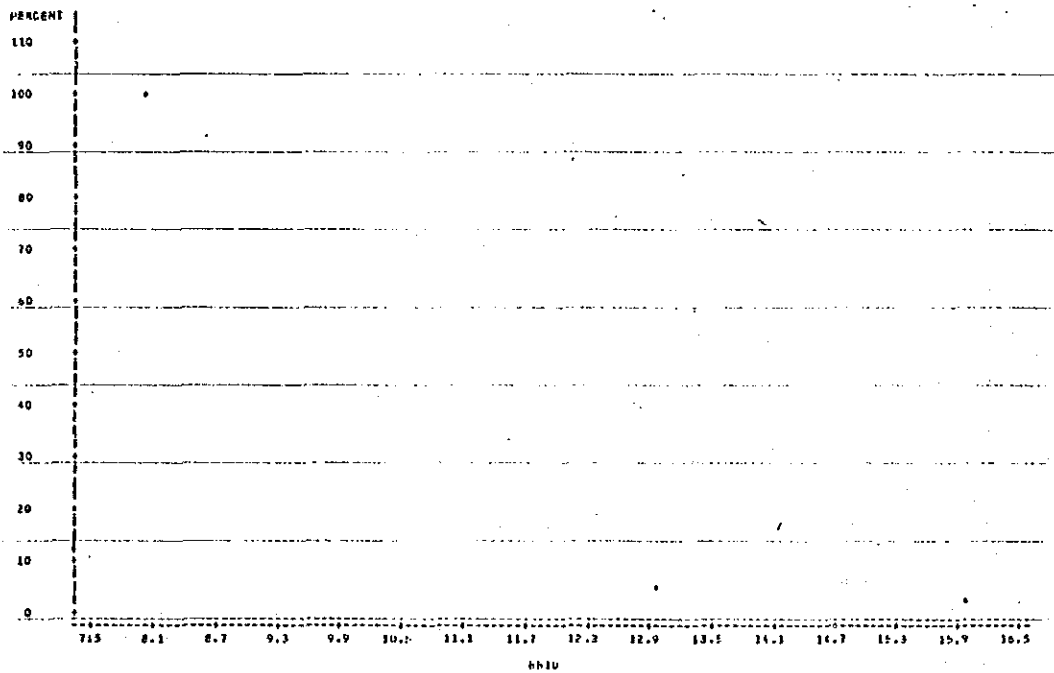
Histogram of Hg Contents Distribution in Lithological Code II • III • IV



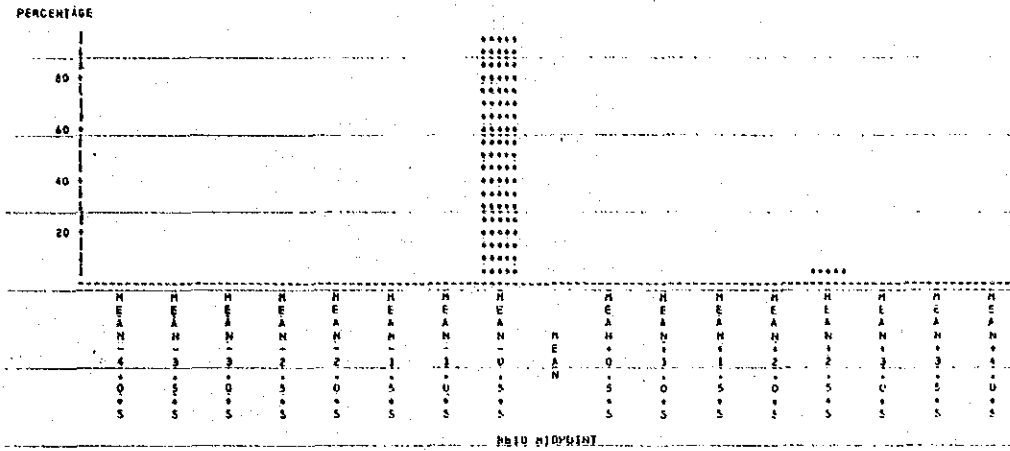
Cumulative Frequency Curve of Hg Contents Distribution in Lithological Code II • III • IV



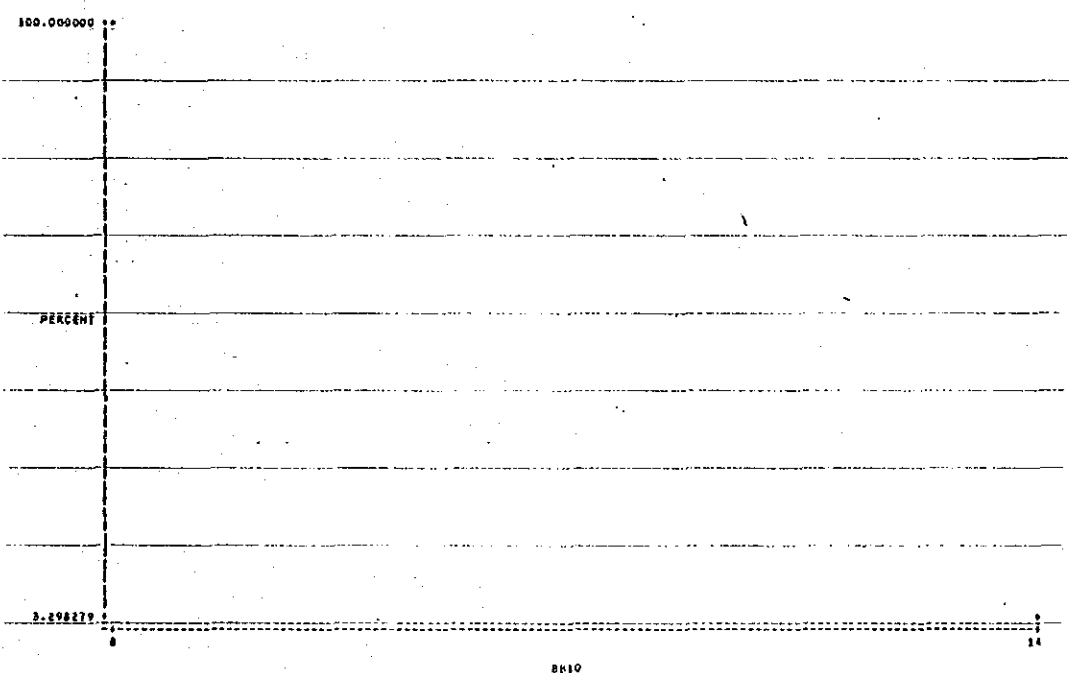
Histogram of Mo Contents Distribution in Lithological Code I



Cumulative Frequency Curve of Mo Contents Distribution in Lithological Code I

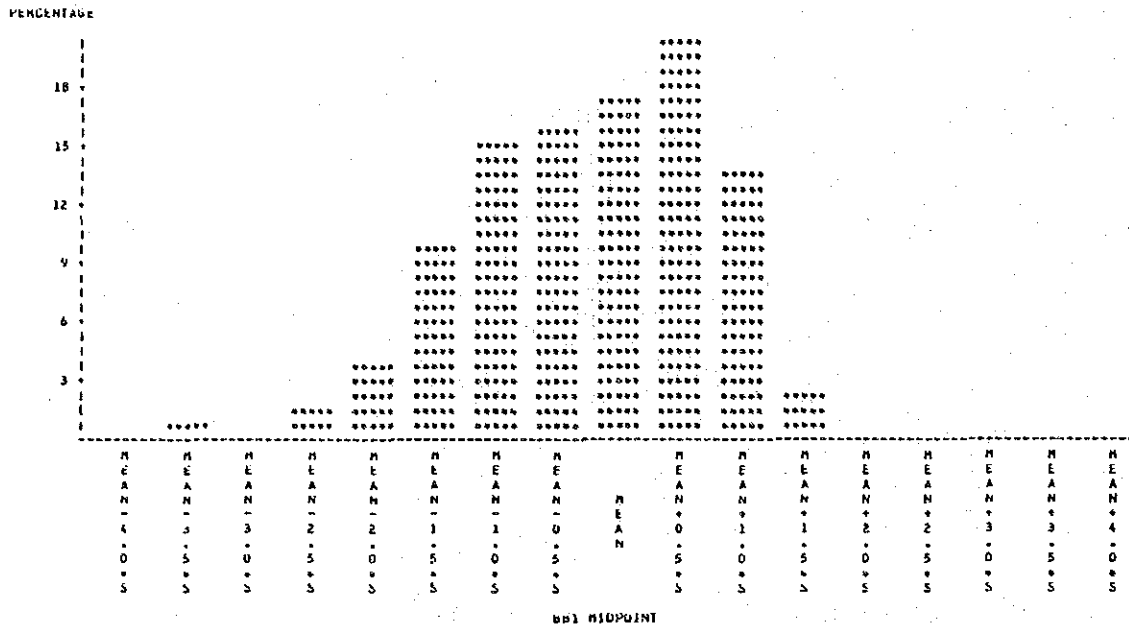


Histogram of Mo Contents Distribution in Lithological Code II • III • IV

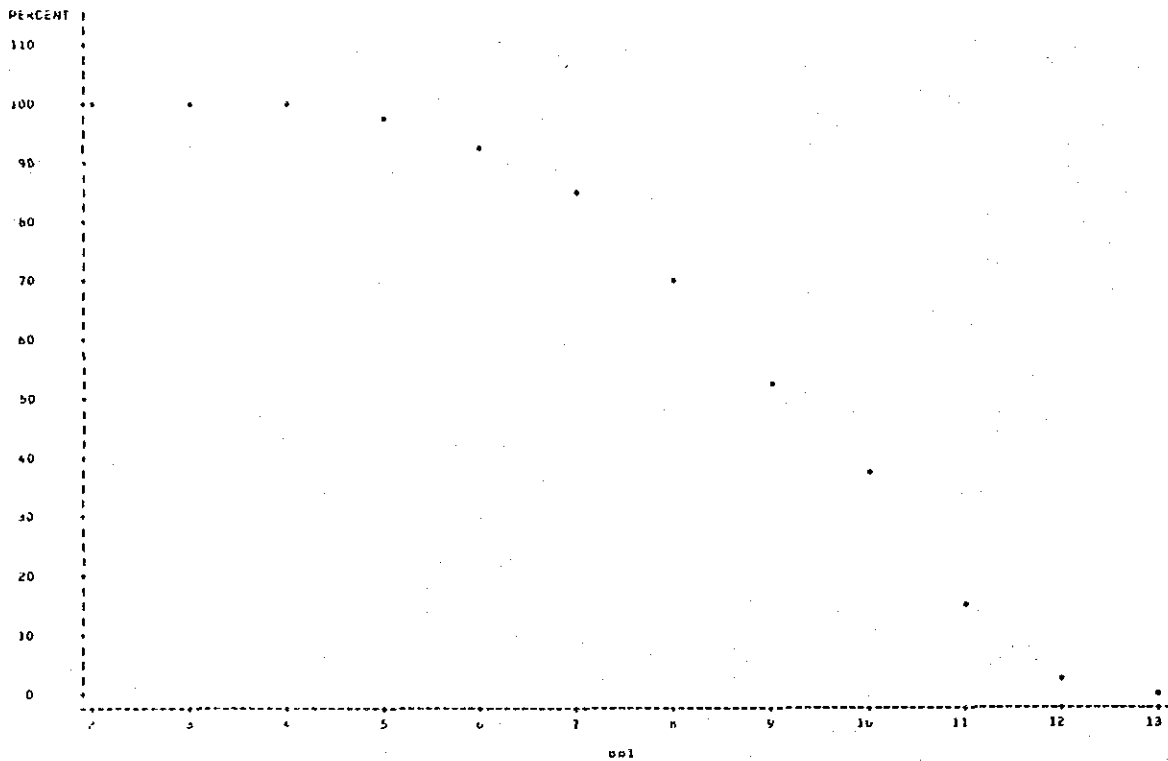


Cumulative Frequency Curve of Mo Contents Distribution in Lithological Code II • III • IV

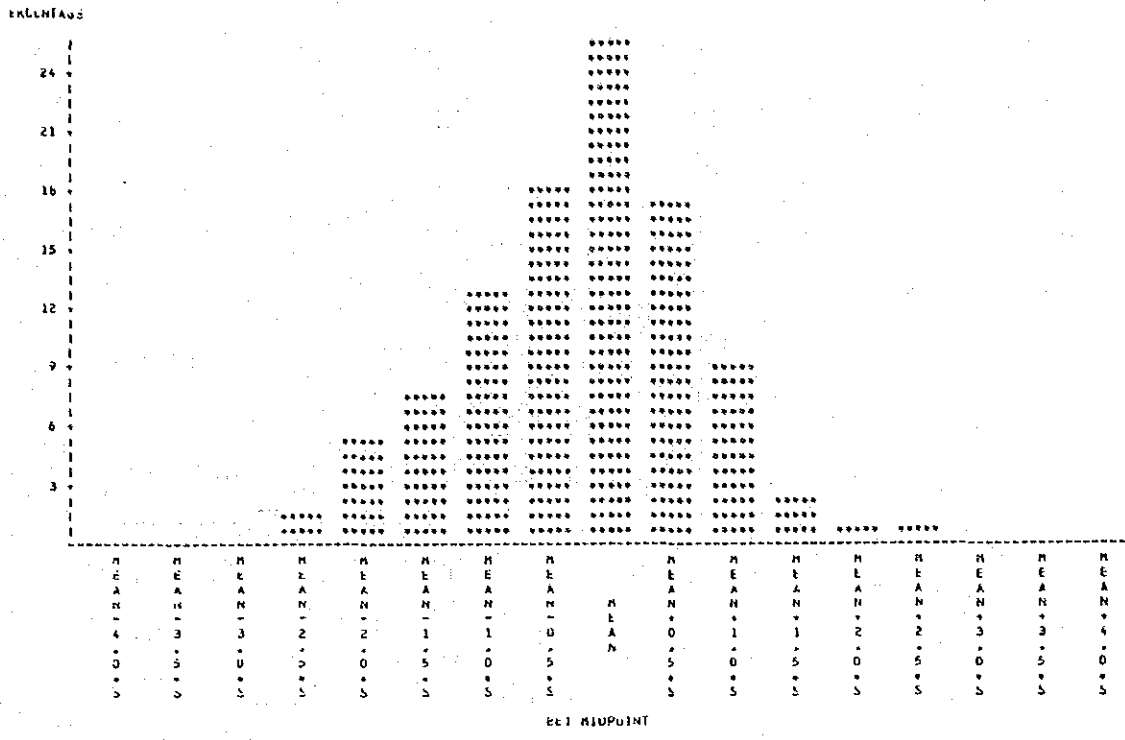
(Bohol - Siguijor Area)



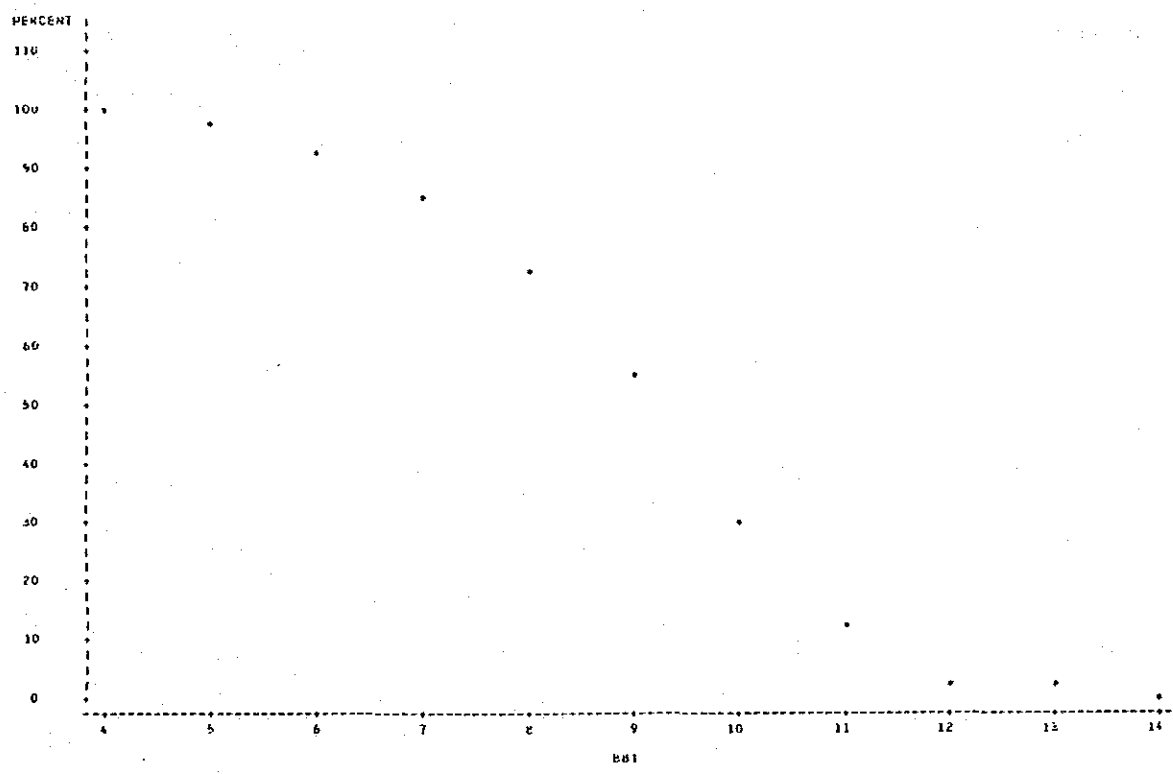
Histogram of Cu Contents Distribution in Lithological Code I



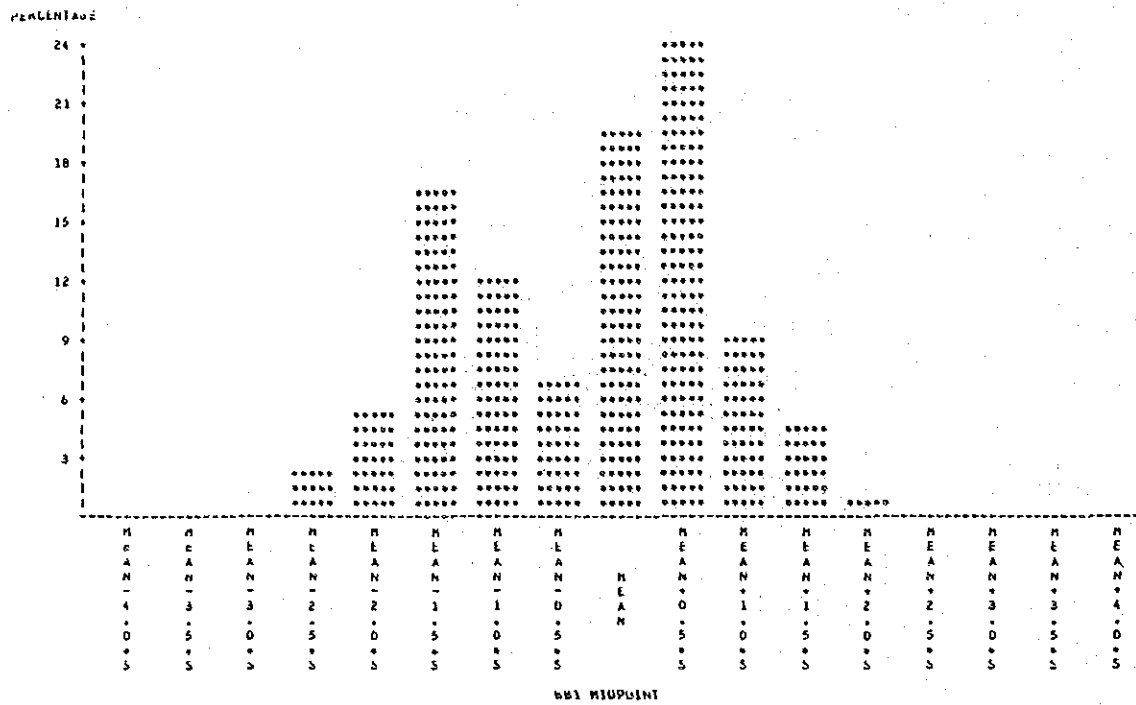
Cumulative Frequency Curve of Cu Contents Distribution in Lithological Code I



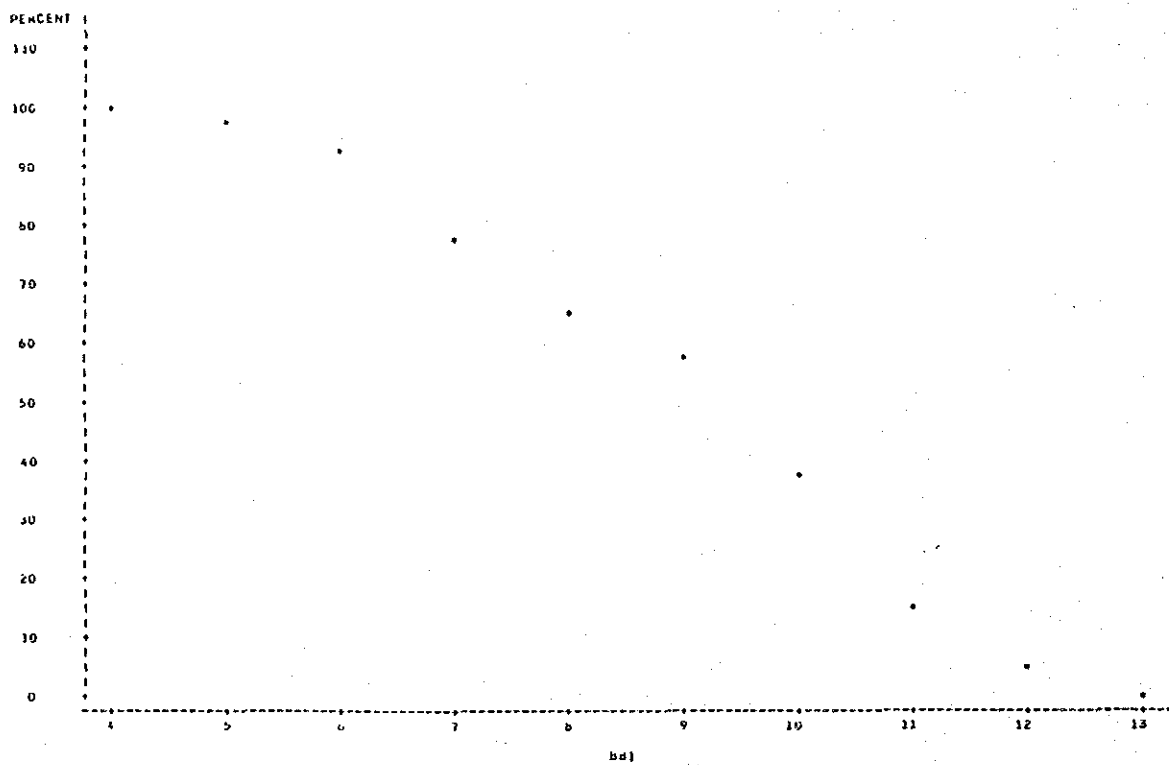
Histogram of Cu Contents Distribution in Lithological Code II-III



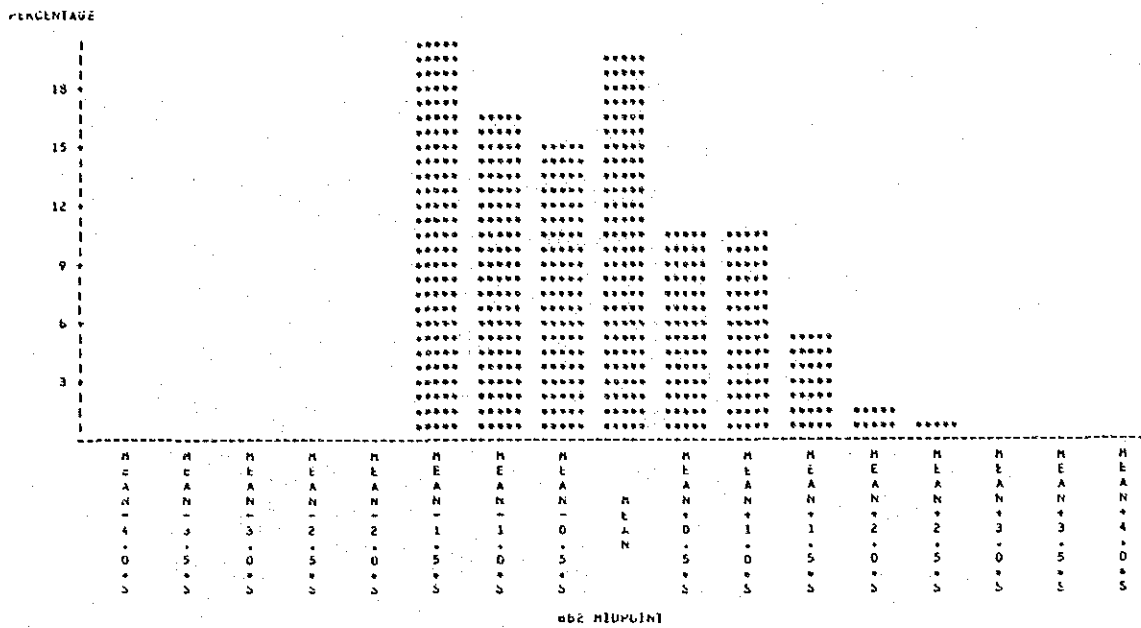
Cumulative Frequency Curve of Cu Contents Distribution in Lithological Code II-III



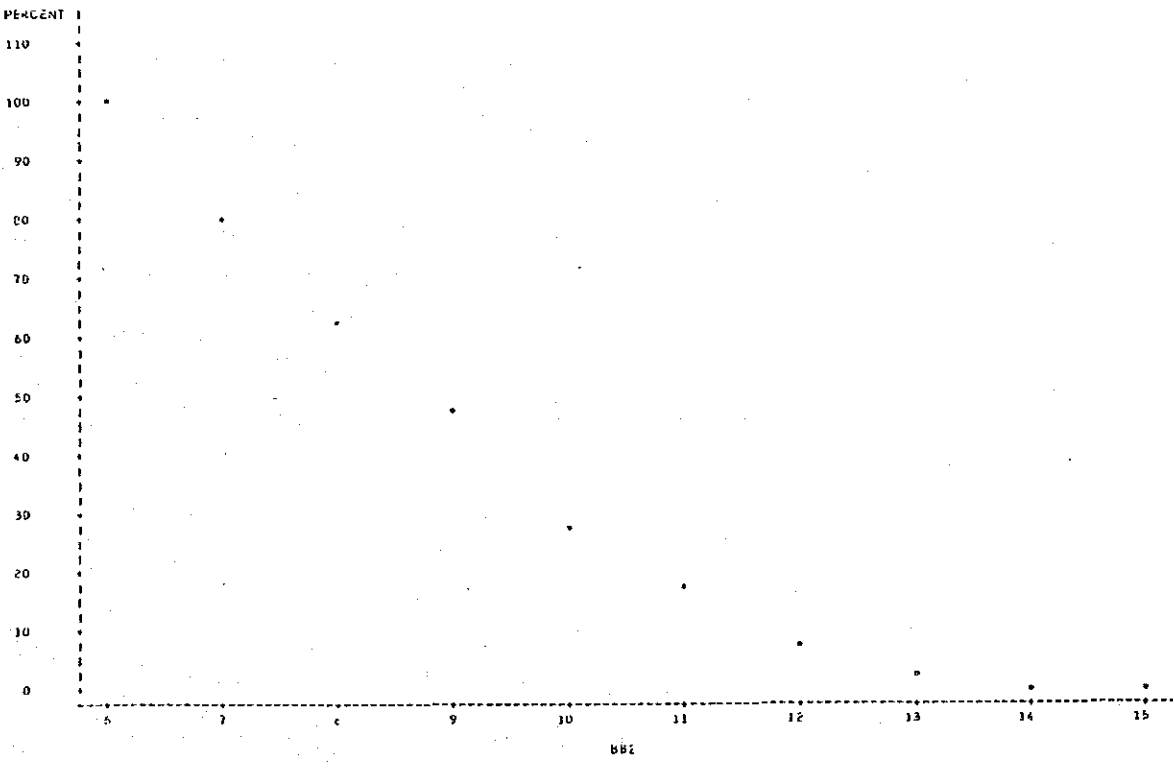
Histogram of Cu Contents Distribution in Lithological Code IV



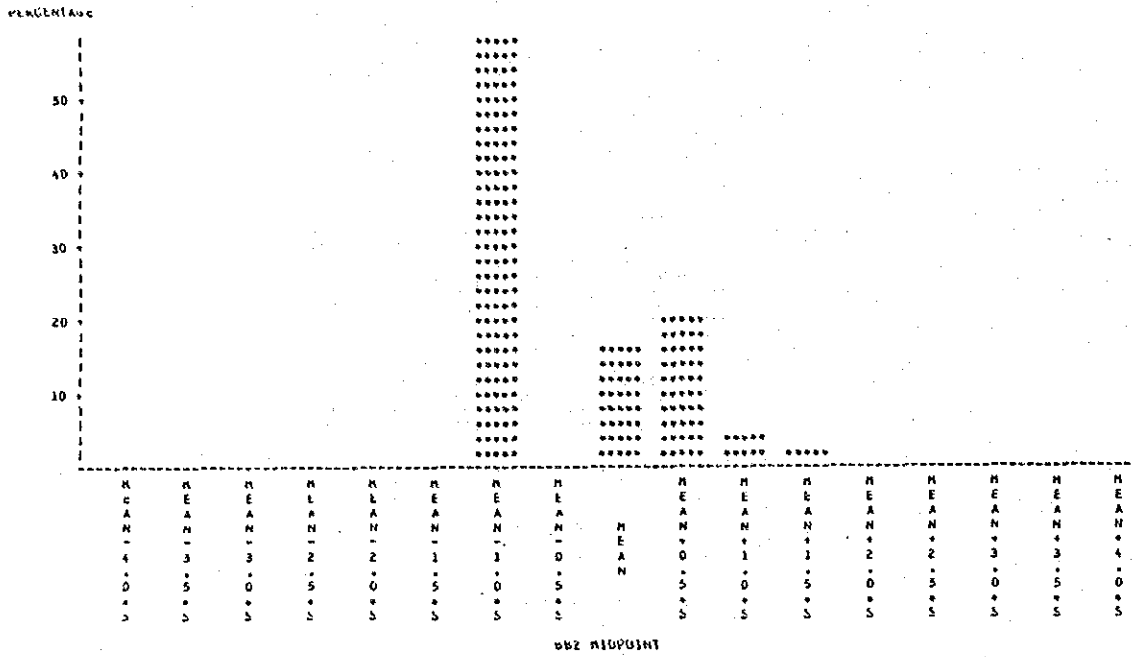
Cumulative Frequency Curve of Cu Contents Distribution in Lithological Code IV



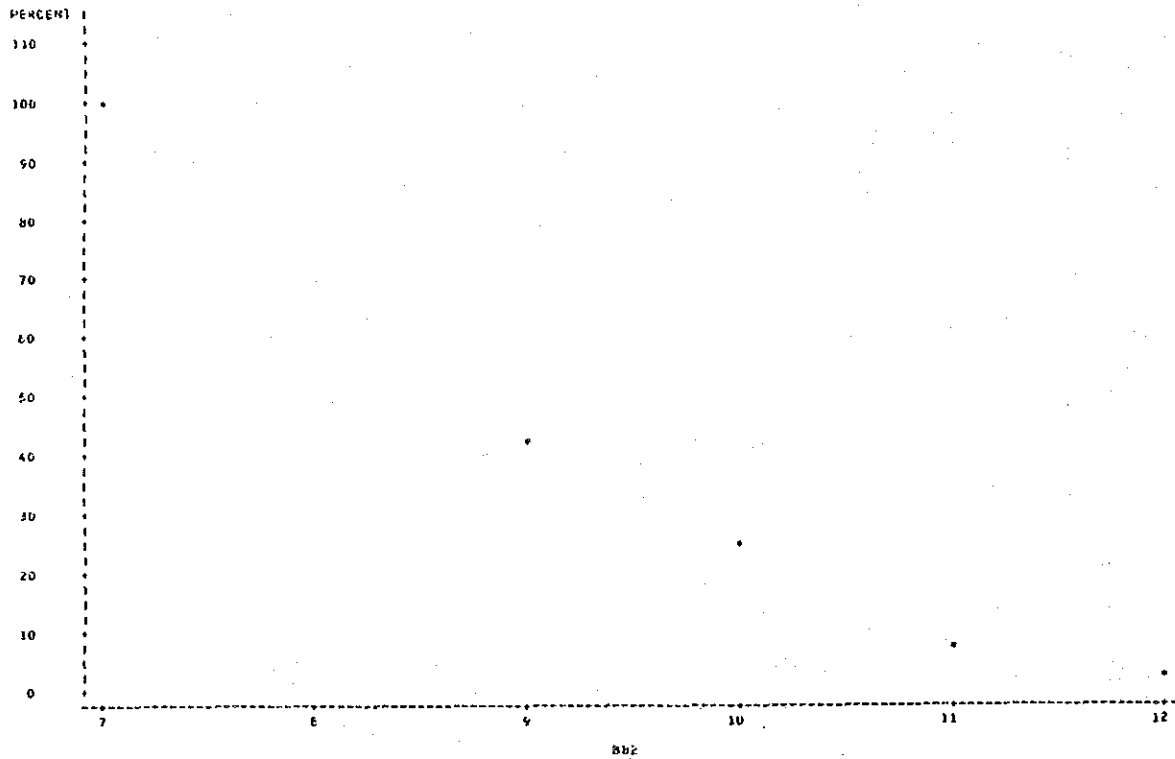
Histogram of Pb Contents Distribution in Lithological Code I



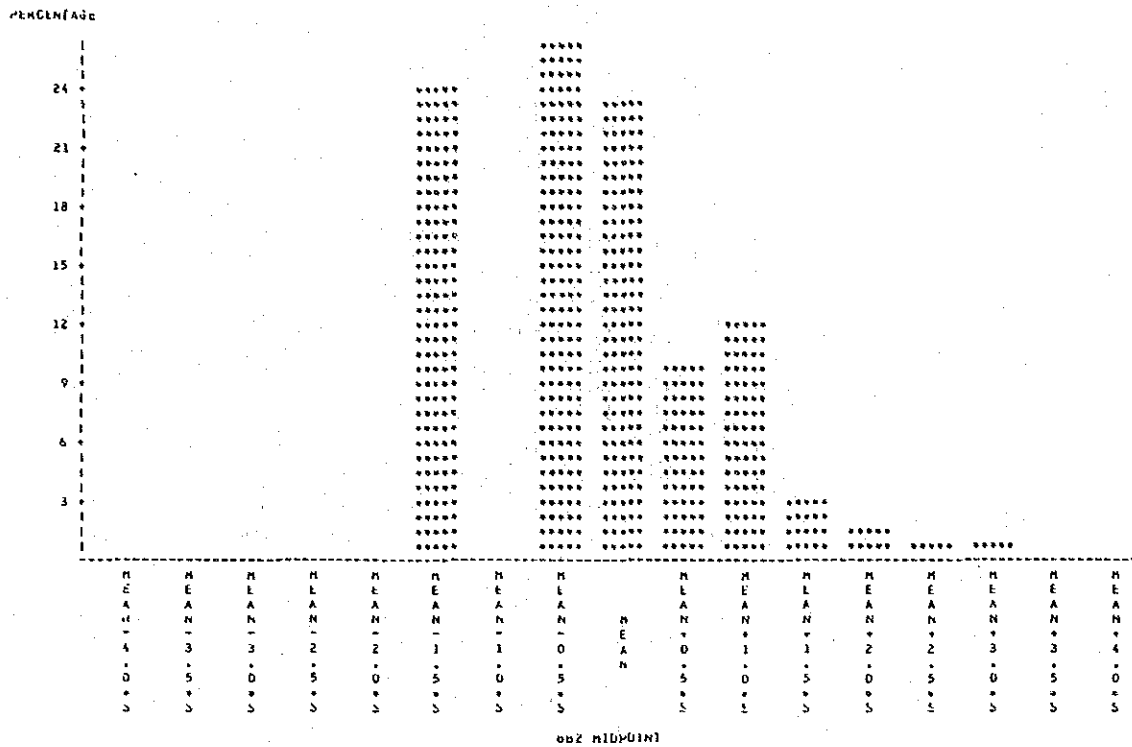
Cumulative Frequency Curve of Pb Contents Distribution in Lithological Code I



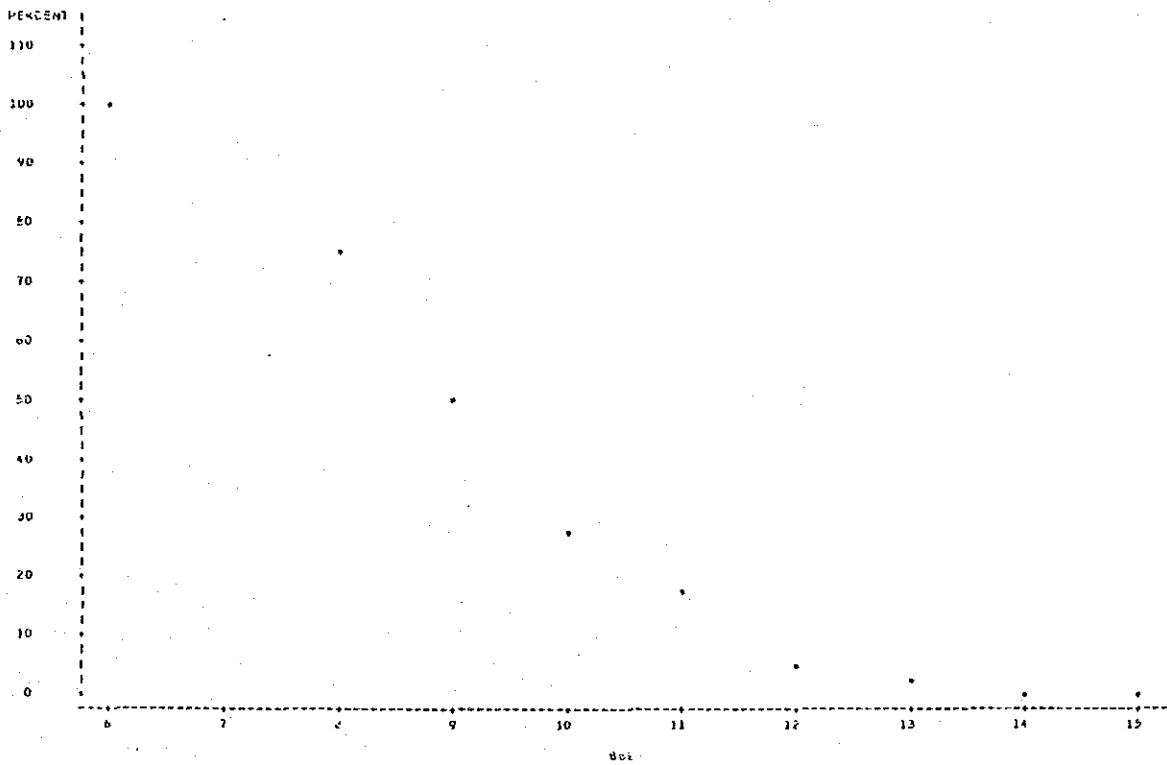
Histogram of Pb Contents Distribution in Lithological Code II



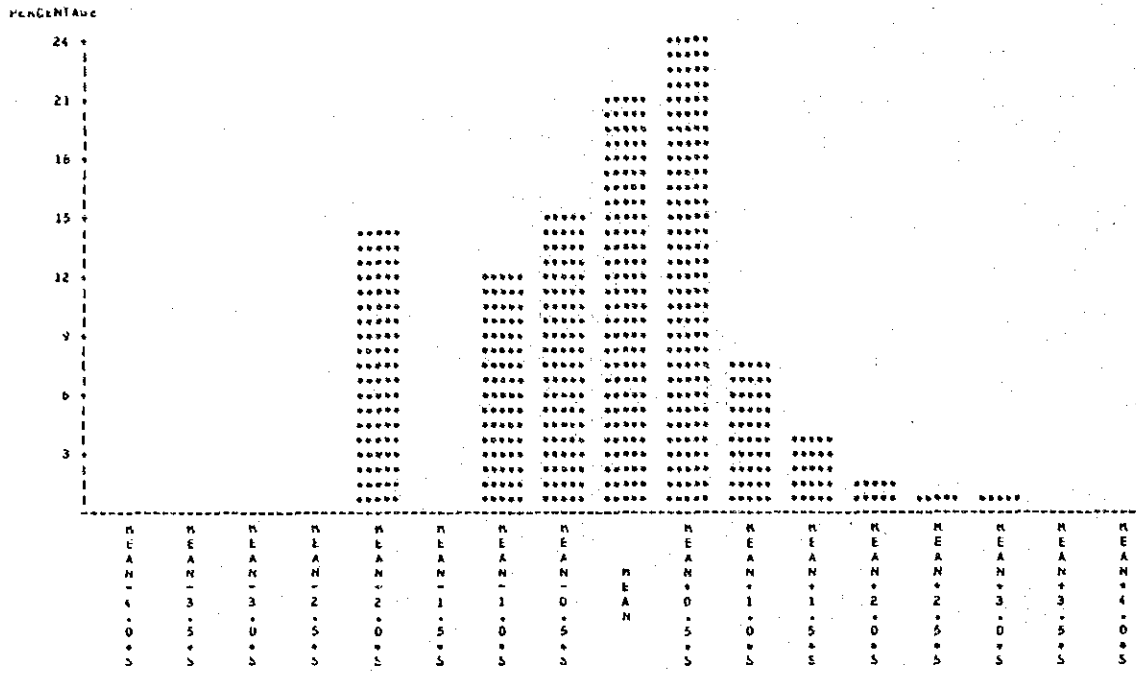
Cumulative Frequency Curve of Pb Contents Distribution in Lithological Code II



Histogram of Pb Contents Distribution in Lithological Code III

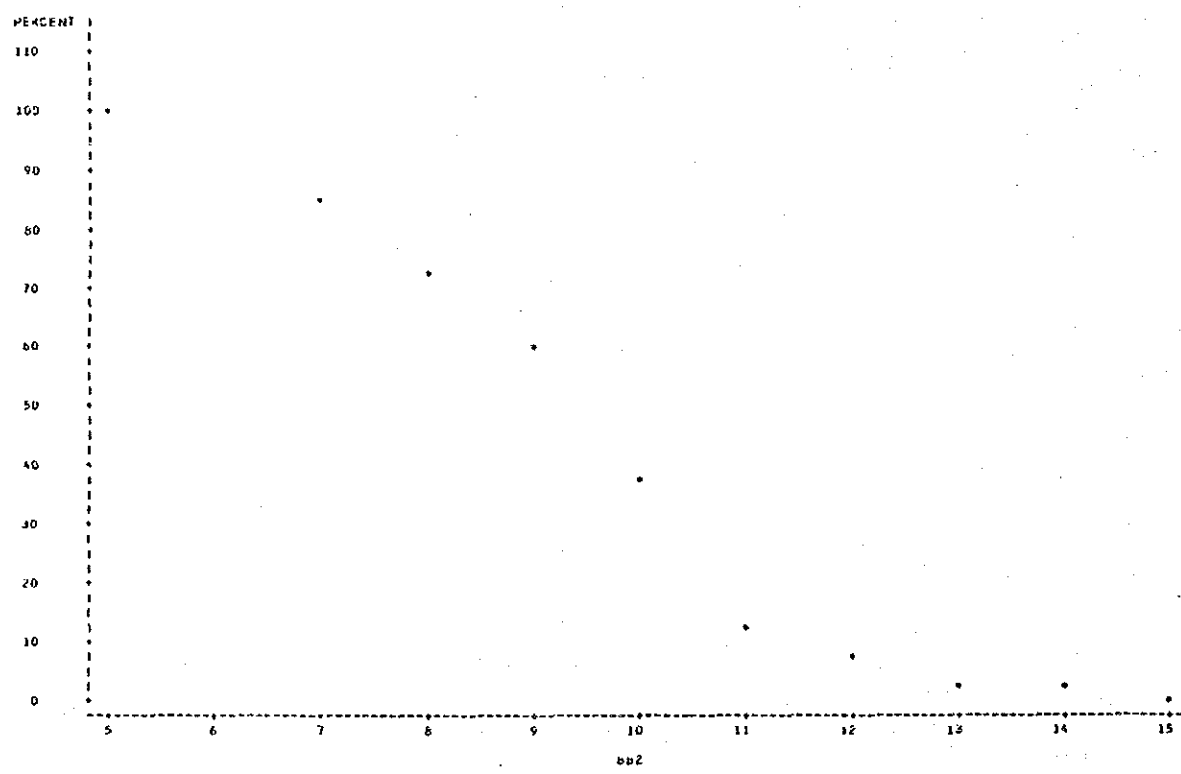


Cumulative Frequency Curve of Pb Contents Distribution in Lithological Code III

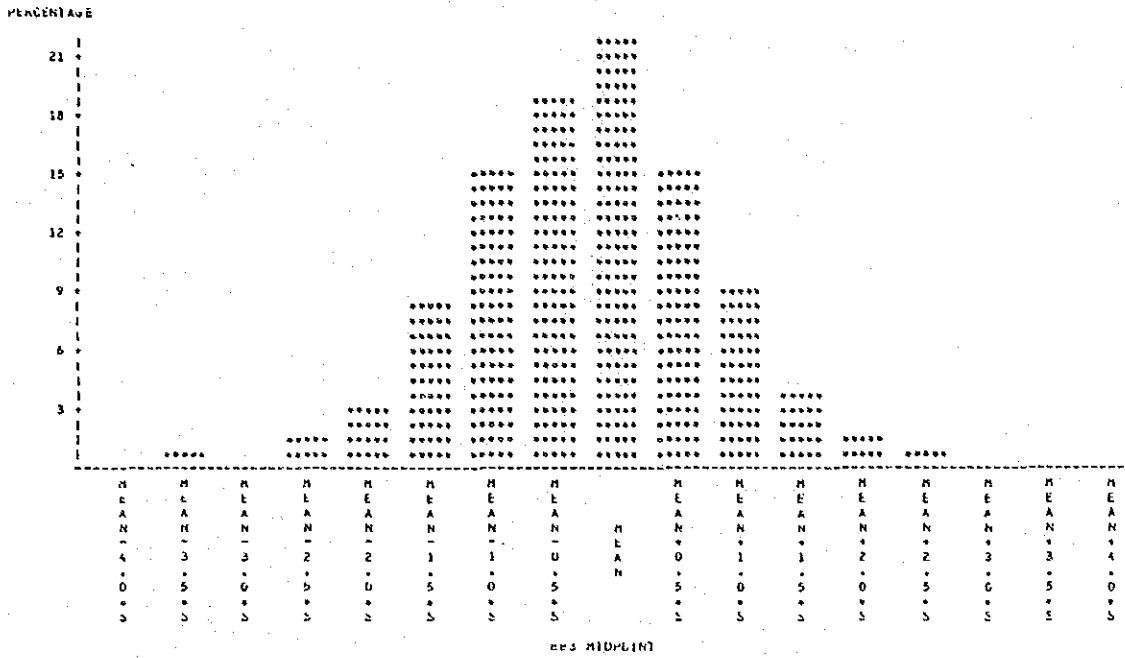


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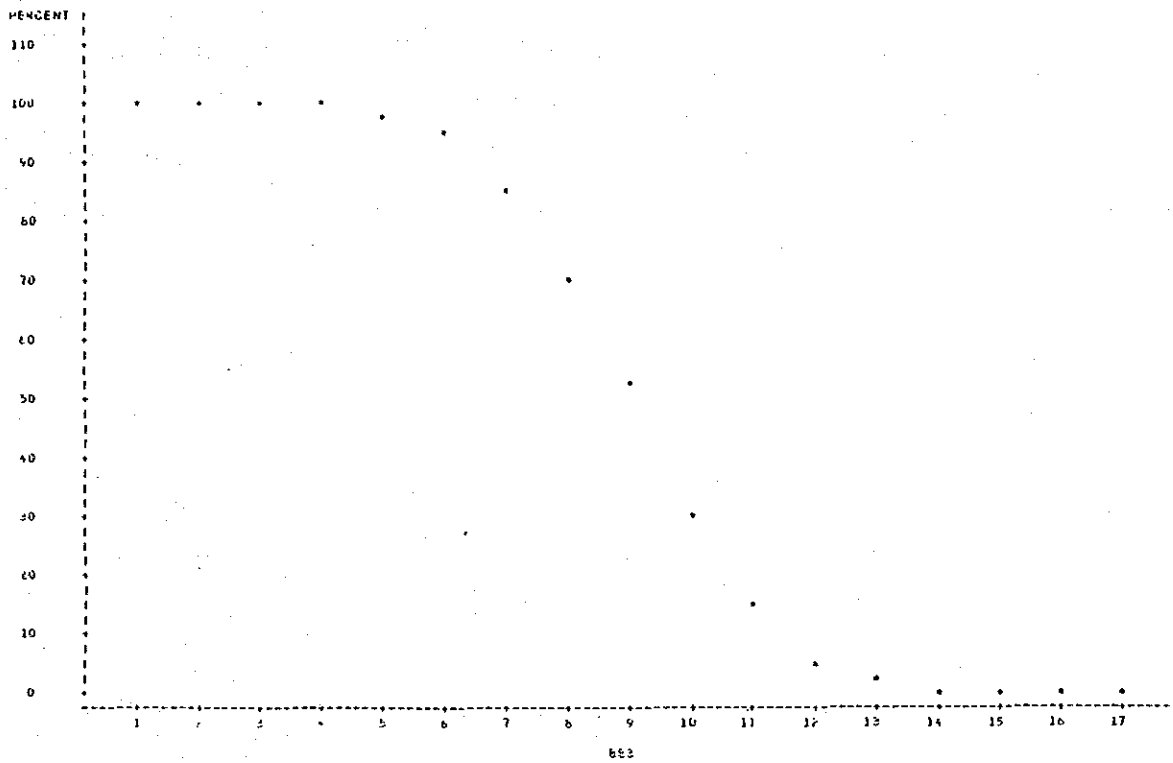
Histogram of Pb Contents Distribution in Lithological Code IV



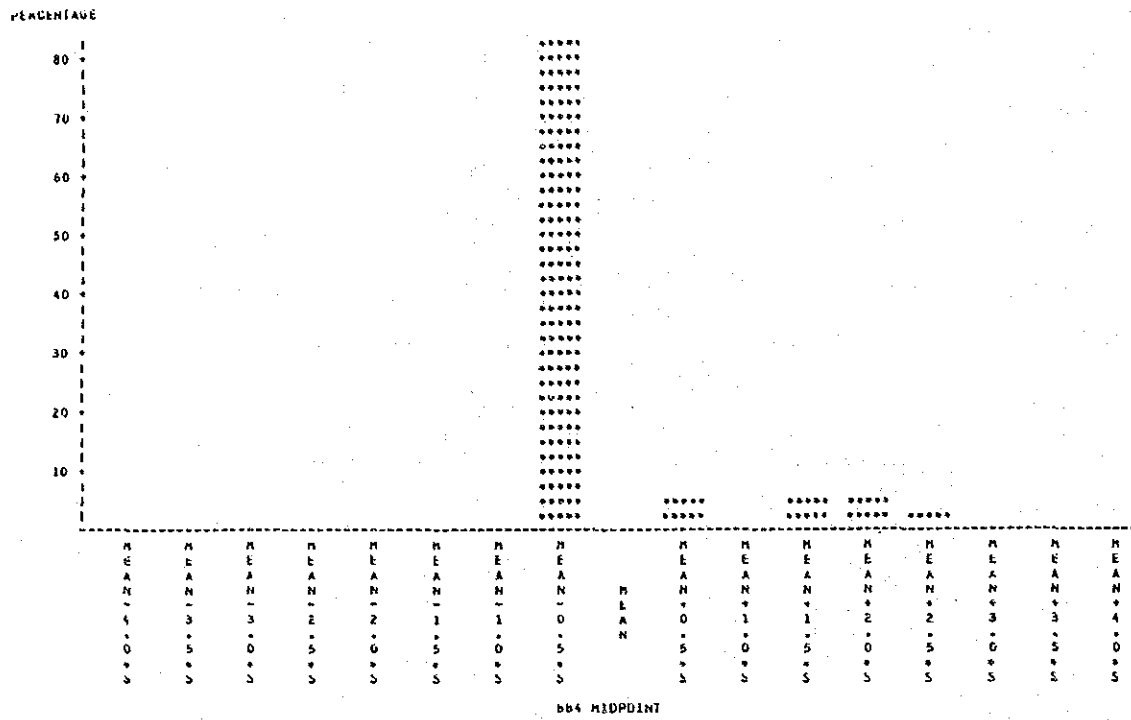
Cumulative Frequency Curve of Pb Contents Distribution in Lithological Code IV



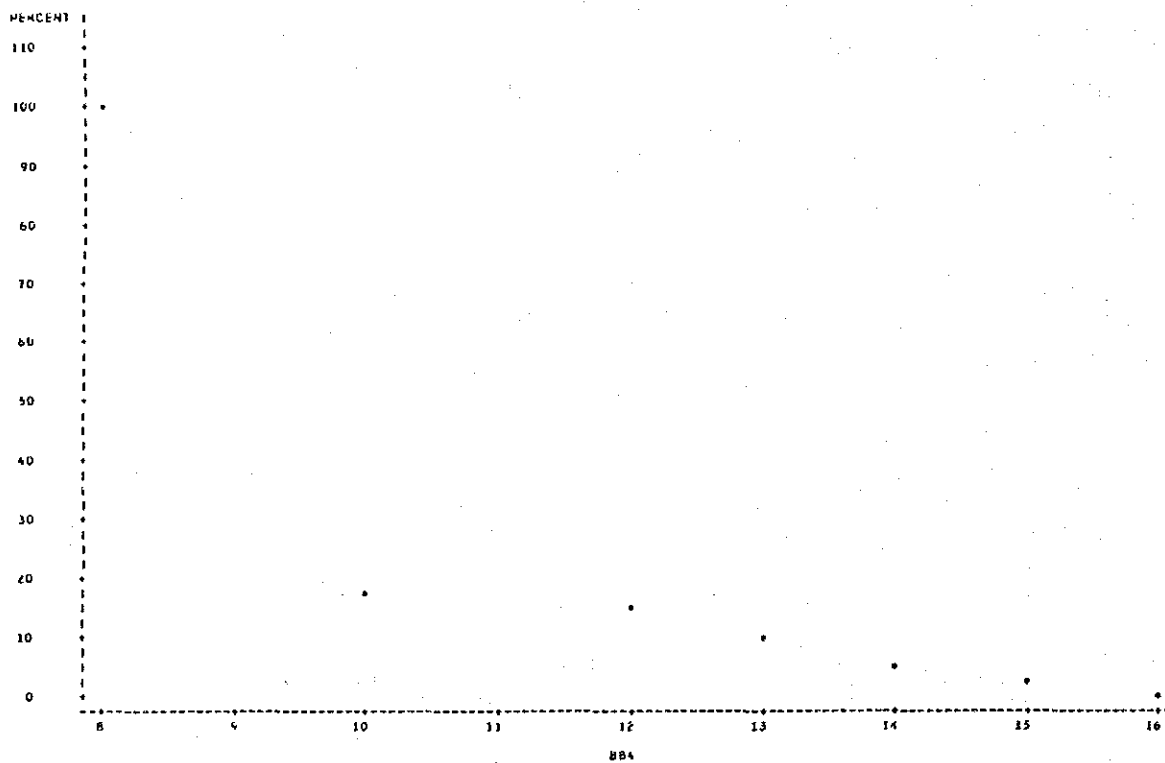
Histogram of Zn Contents Distribution in Lithological Code I-VI



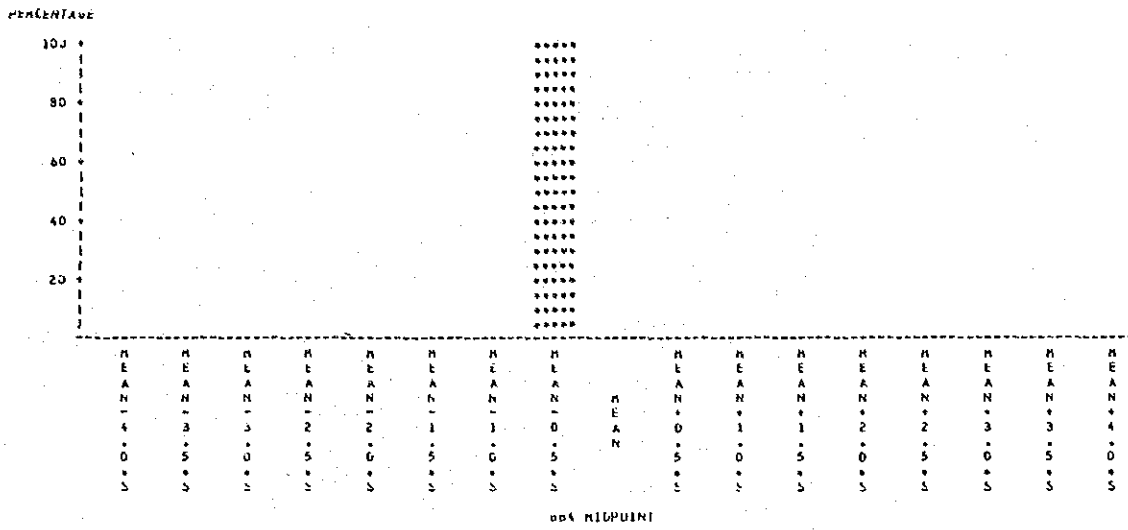
Cumulative Frequency Curve of Zn Contents Distribution in Lithological Code I-IV



Histogram of Ag Contents Distribution in Lithological Code I

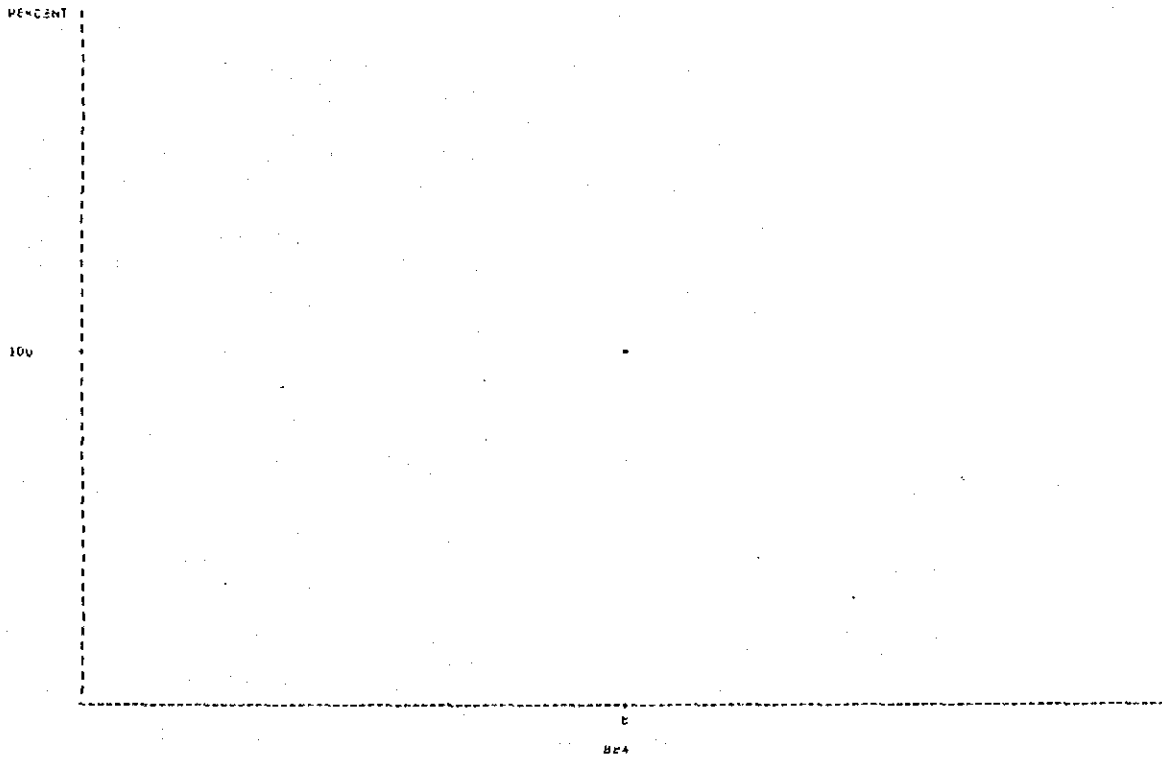


Cumulative Frequency Curve of Ag Contents Distribution in Lithological Code I

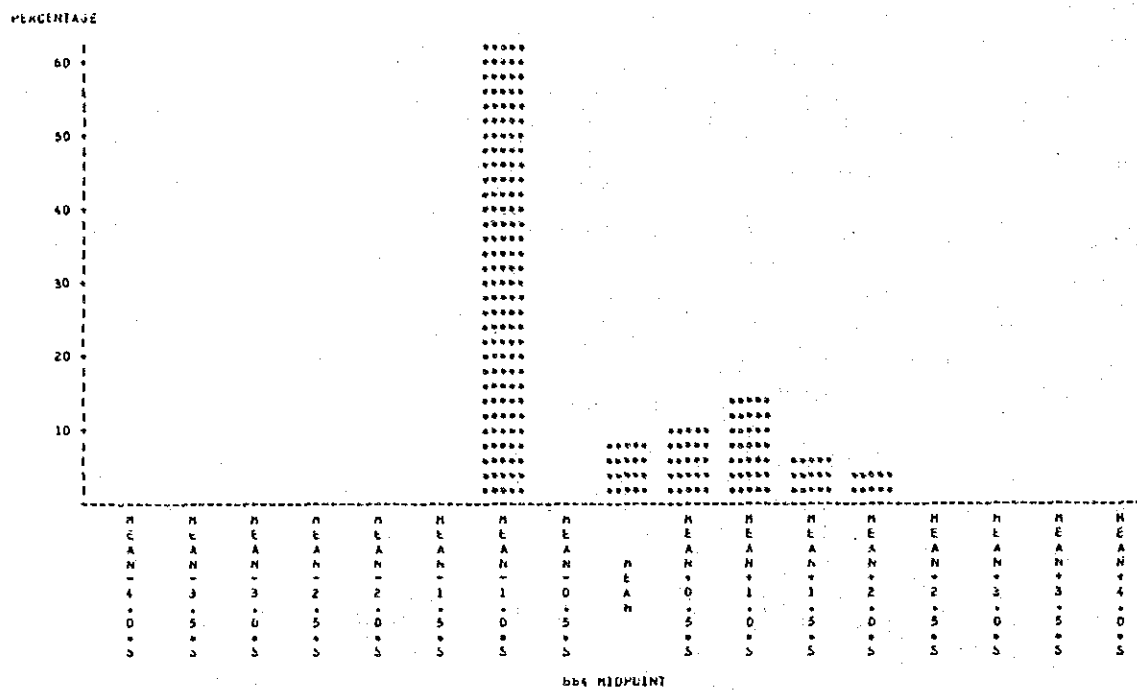


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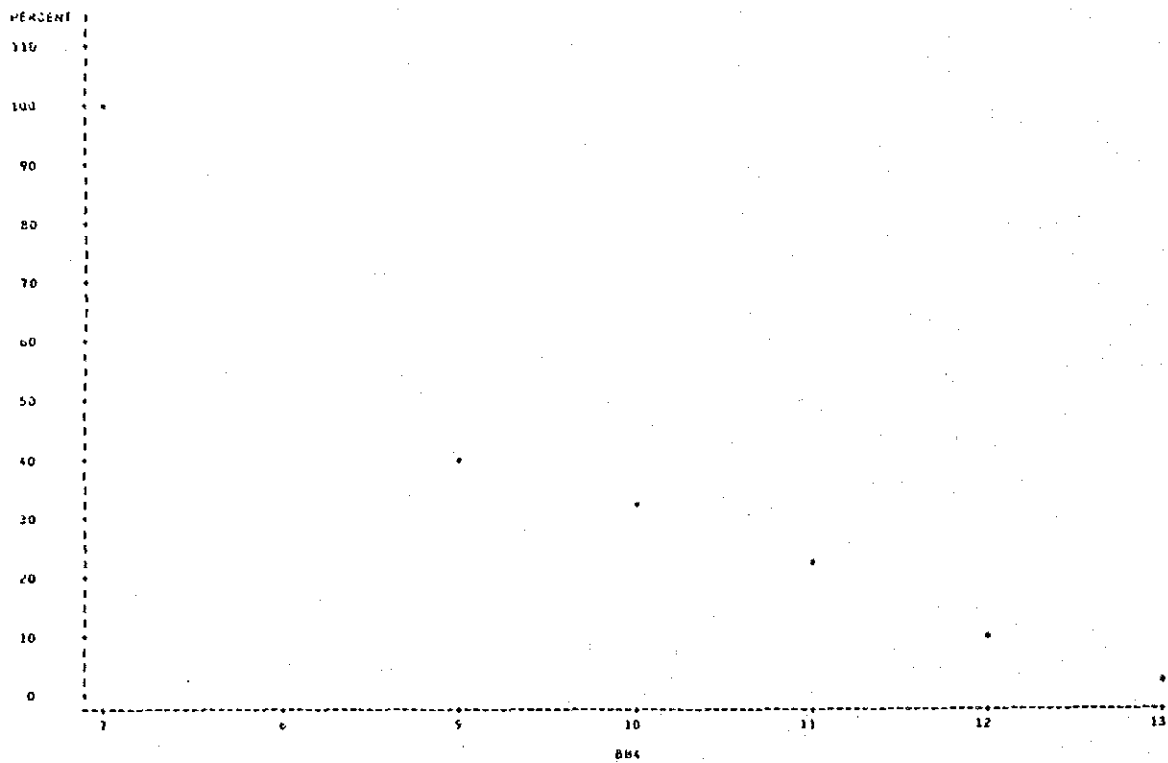
Histogram of Ag Contents Distribution in Lithological Code II-III



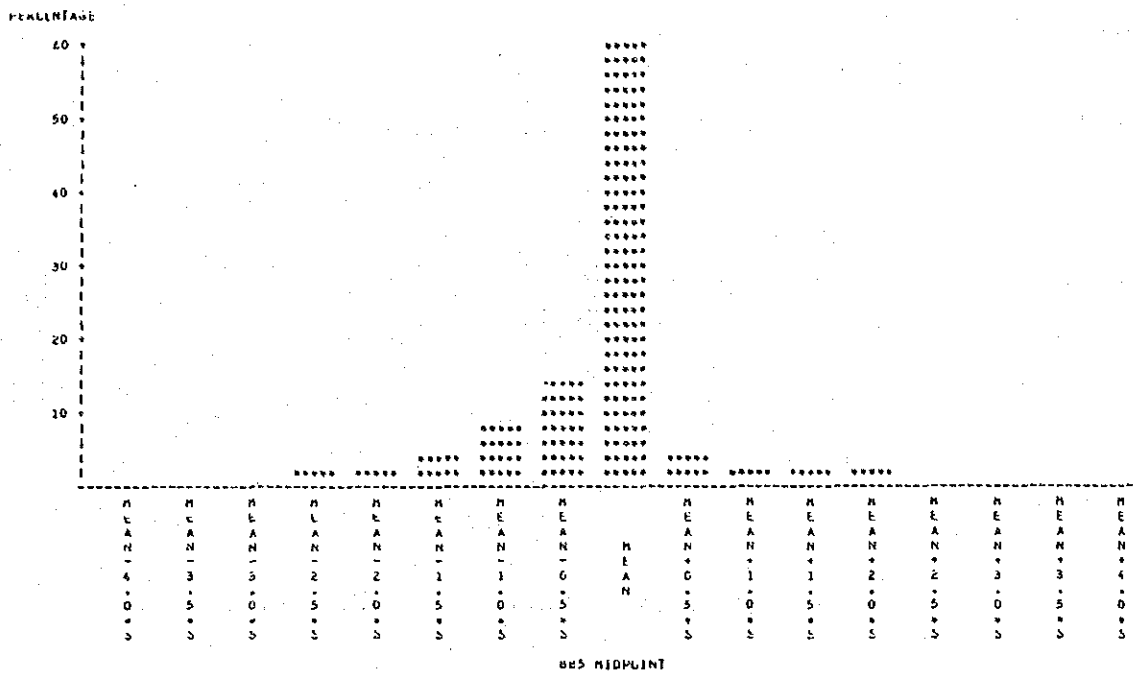
Cumulative Frequency Curve of Ag Contents Distribution in Lithological Code II-III



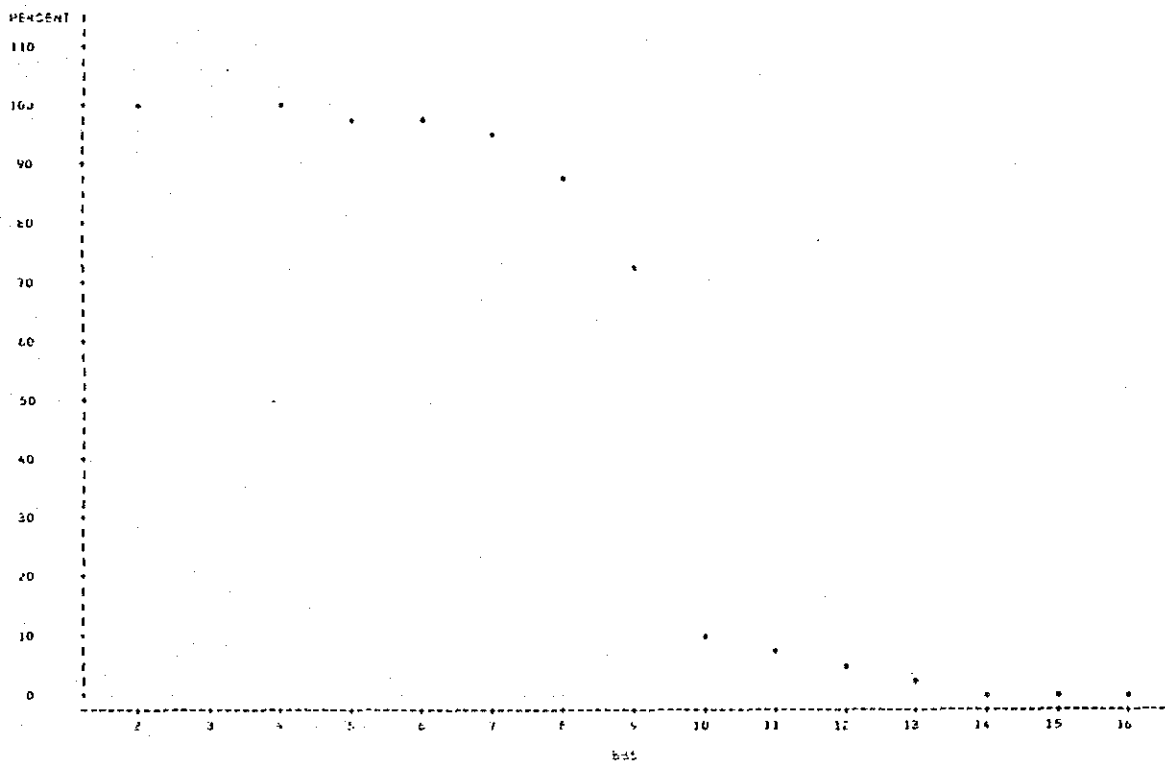
Histogram of Ag Contents Distribution in Lithological Code IV



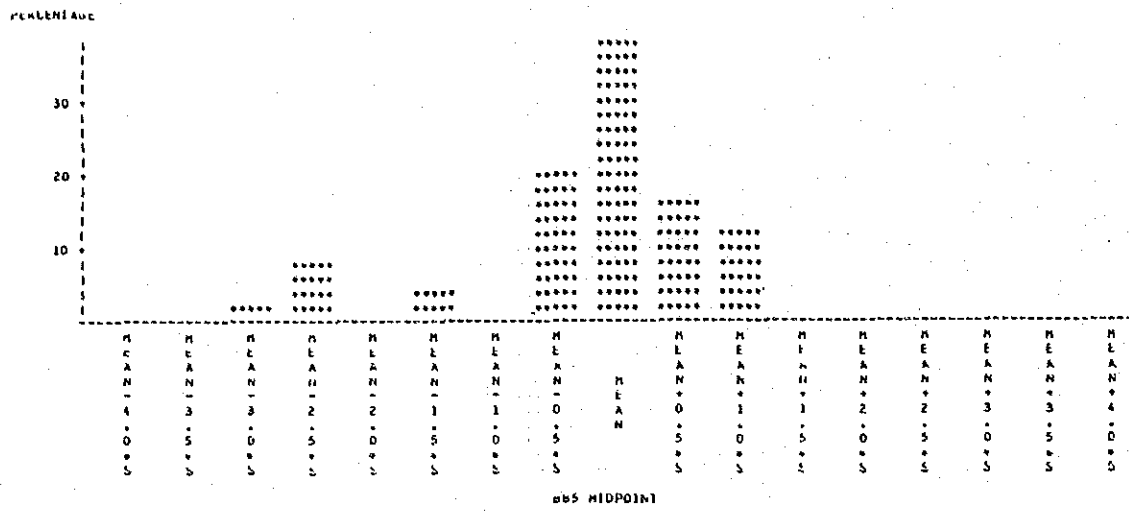
Cumulative Frequency Curve of Ag Contents Distribution in Lithological Code IV



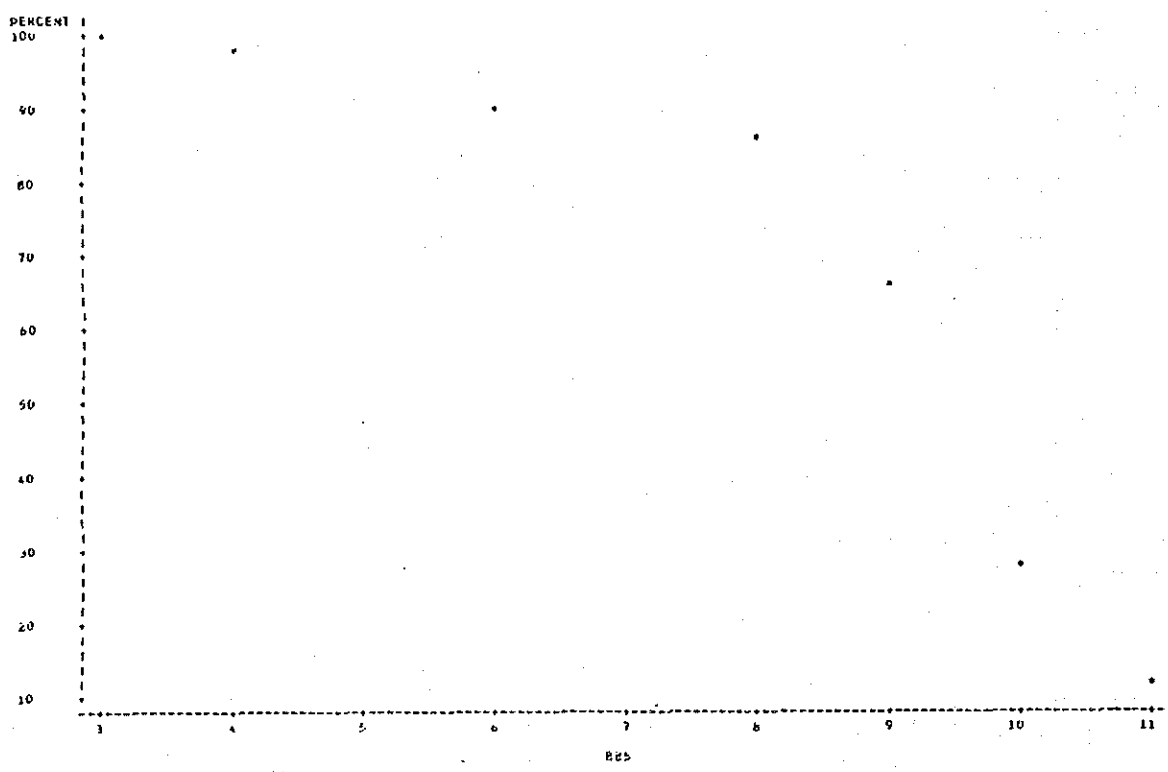
Histogram of Ni Contents Distribution in Lithological Code I



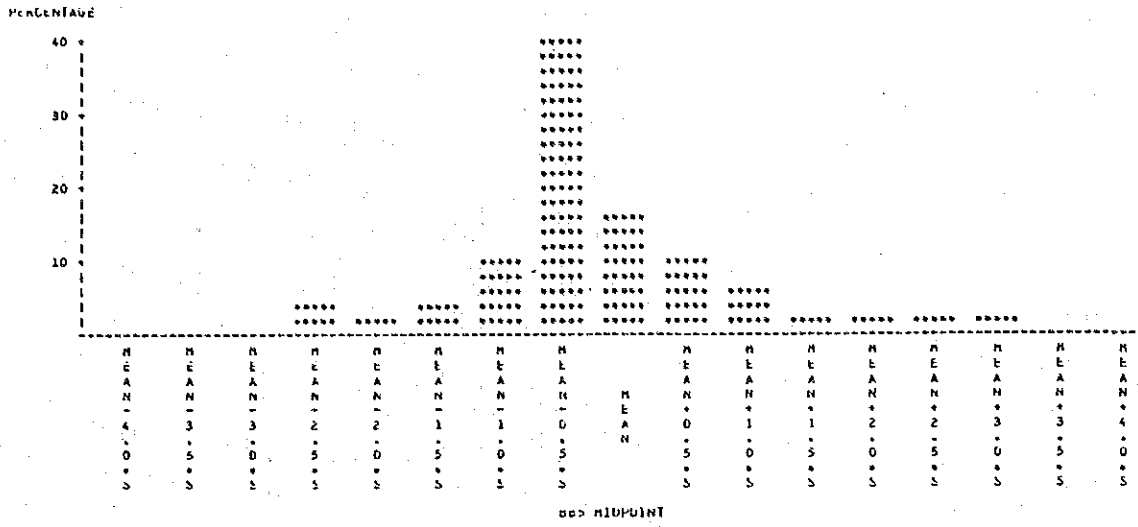
Cumulative Frequency Curve of Ni Contents Distribution in Lithological Code I



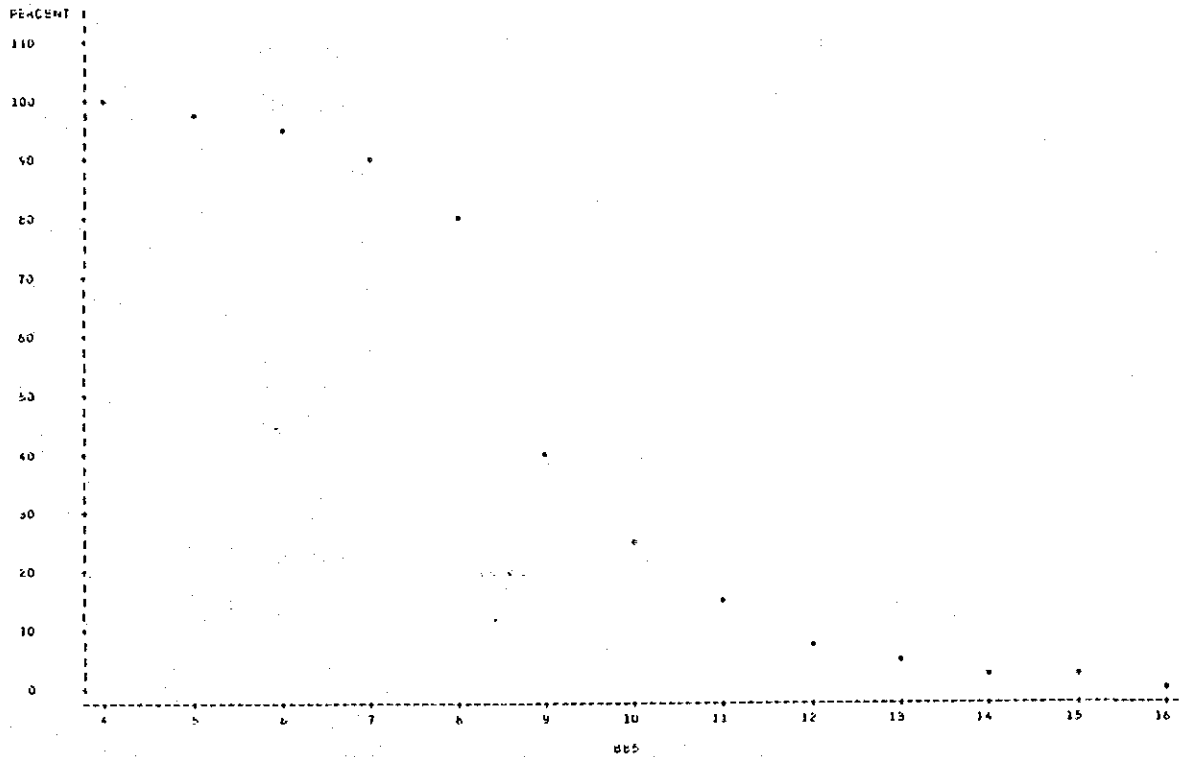
Histogram of Ni Contents Distribution in Lithological Code II



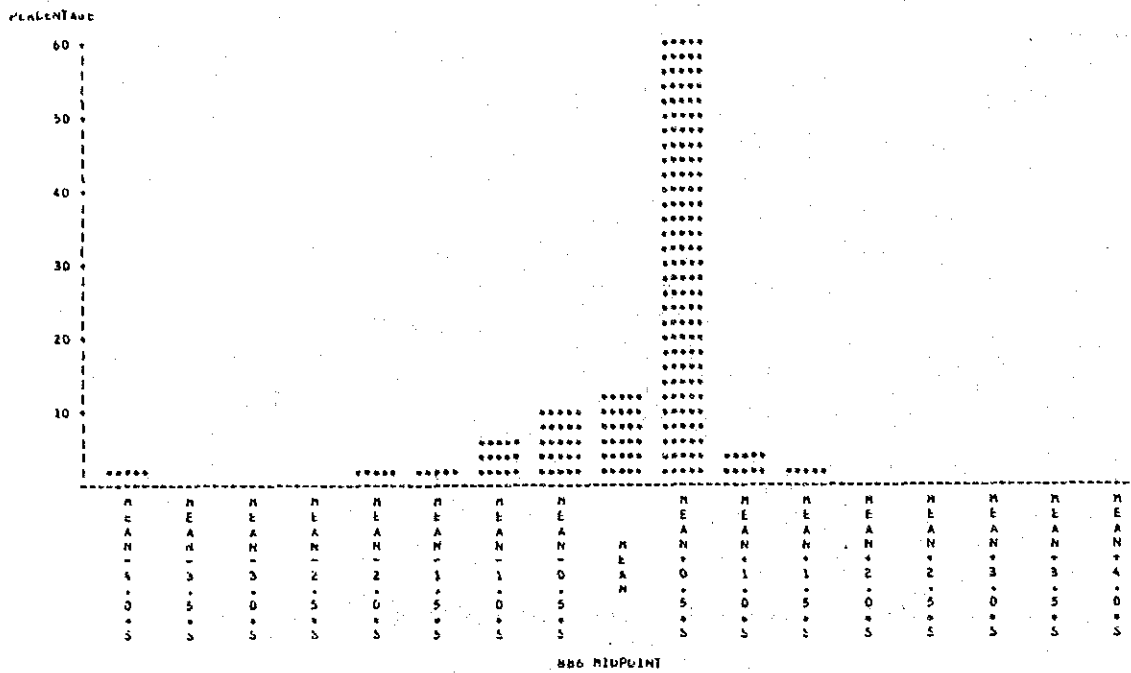
Cumulative Frequency Curve of Ni Contents Distribution in Lithological Code II



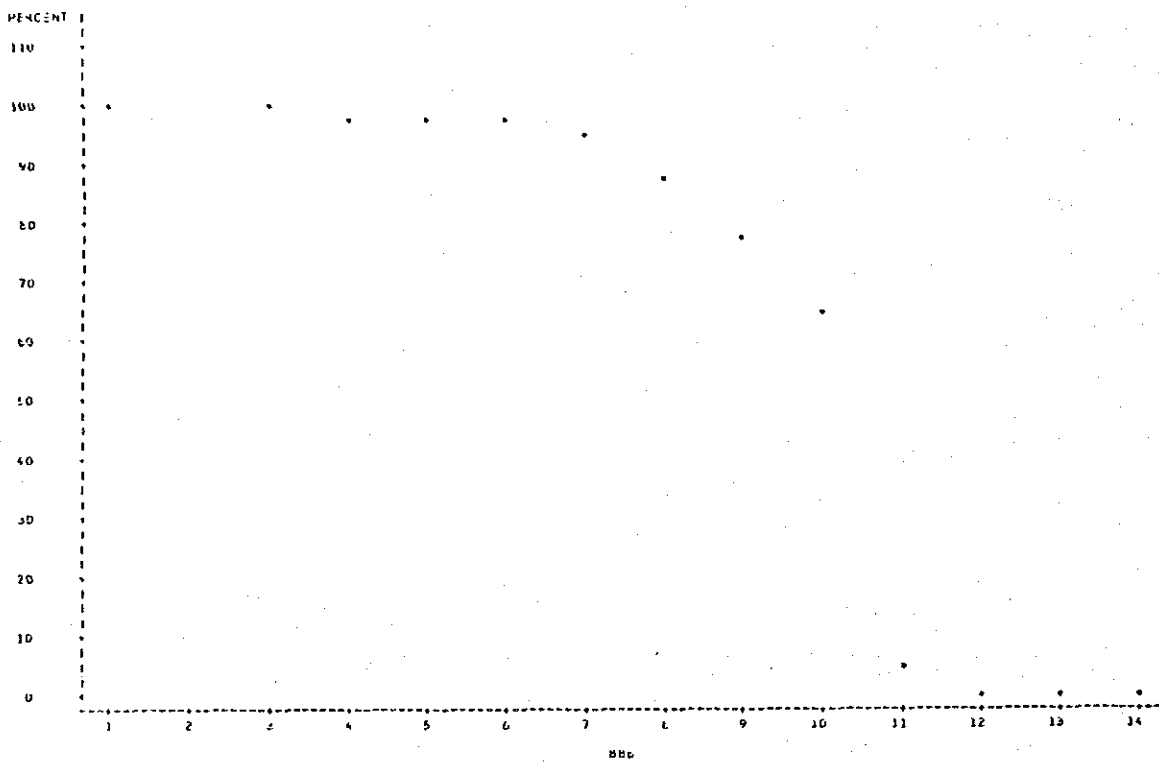
Histogram of Ni Contents Distribution in Lithological Code III-IV



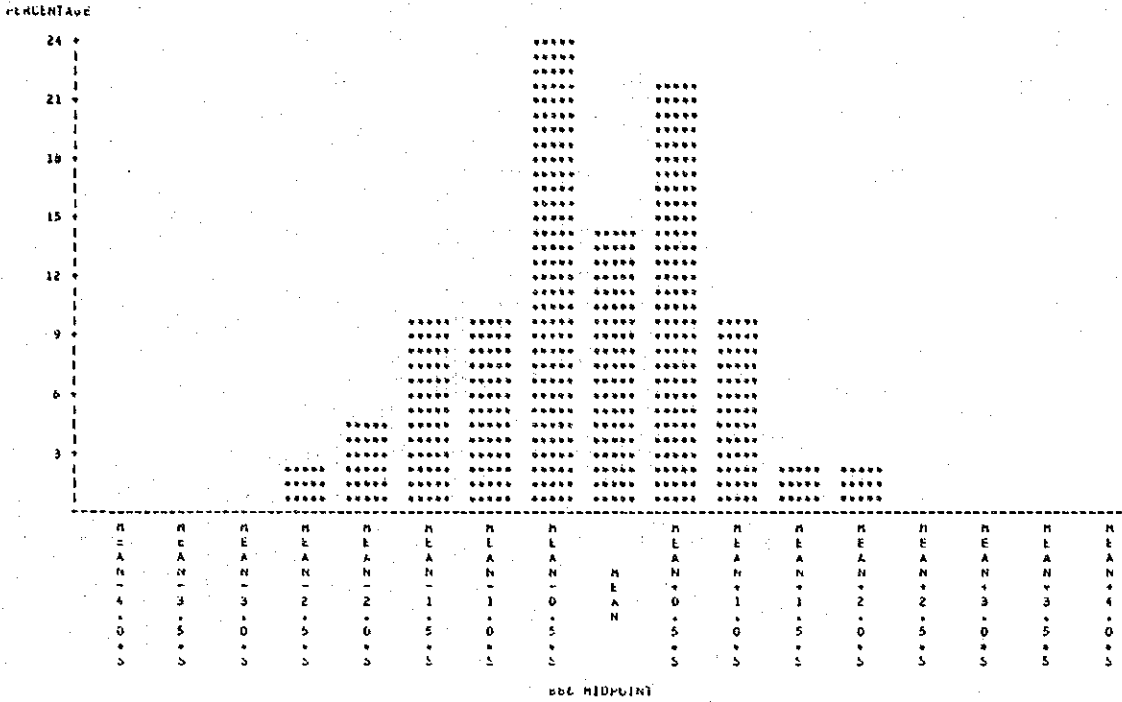
Cumulative Frequency Curve of Ni Contents Distribution in Lithological Code III-IV



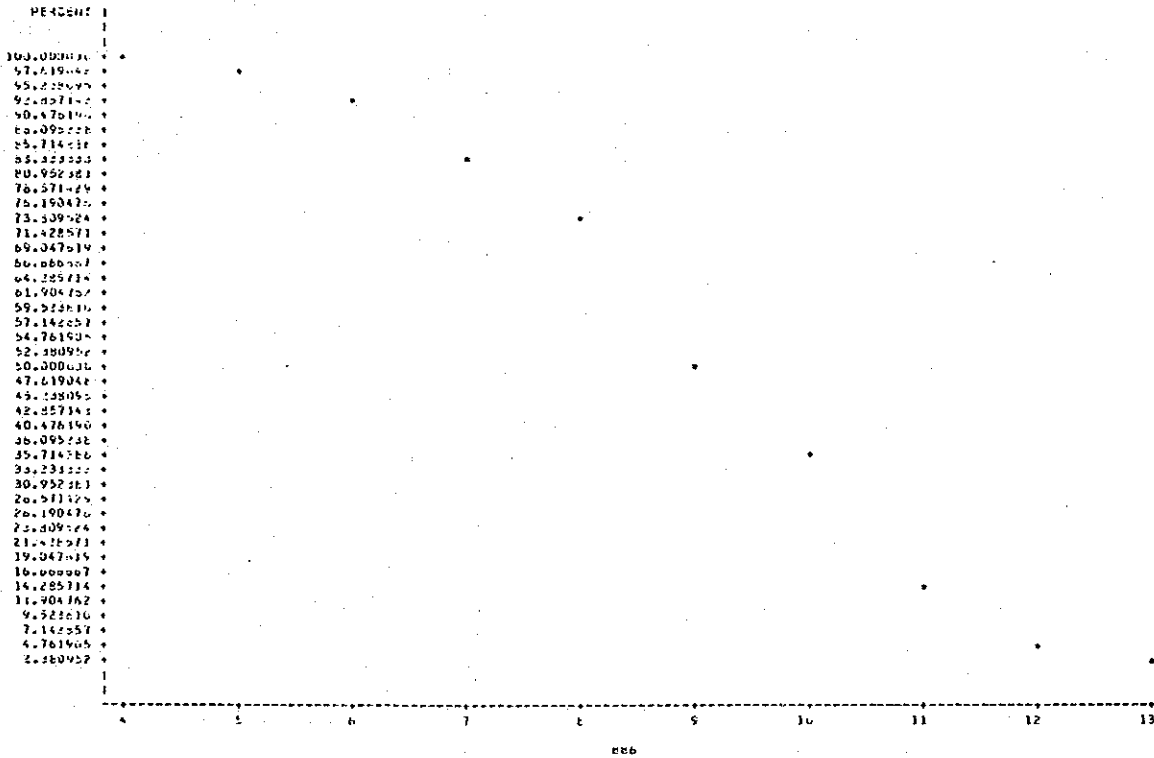
Histogram of Co Contents Distribution in Lithological Code I



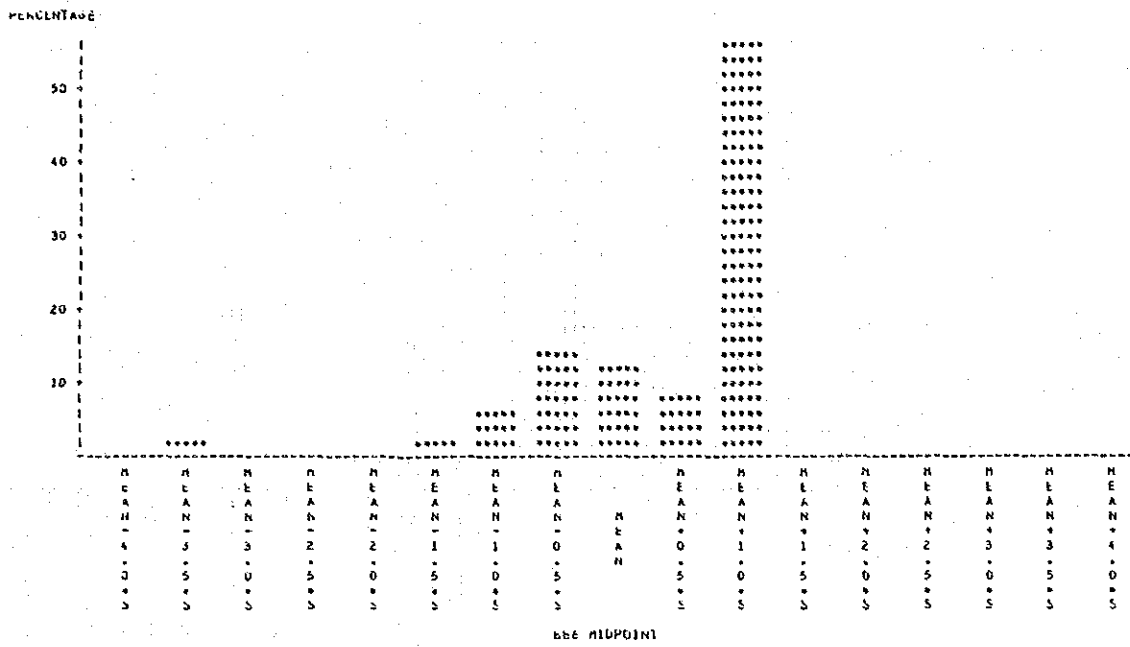
Cumulative Frequency Curve of Co Contents Distribution in Lithological Code I



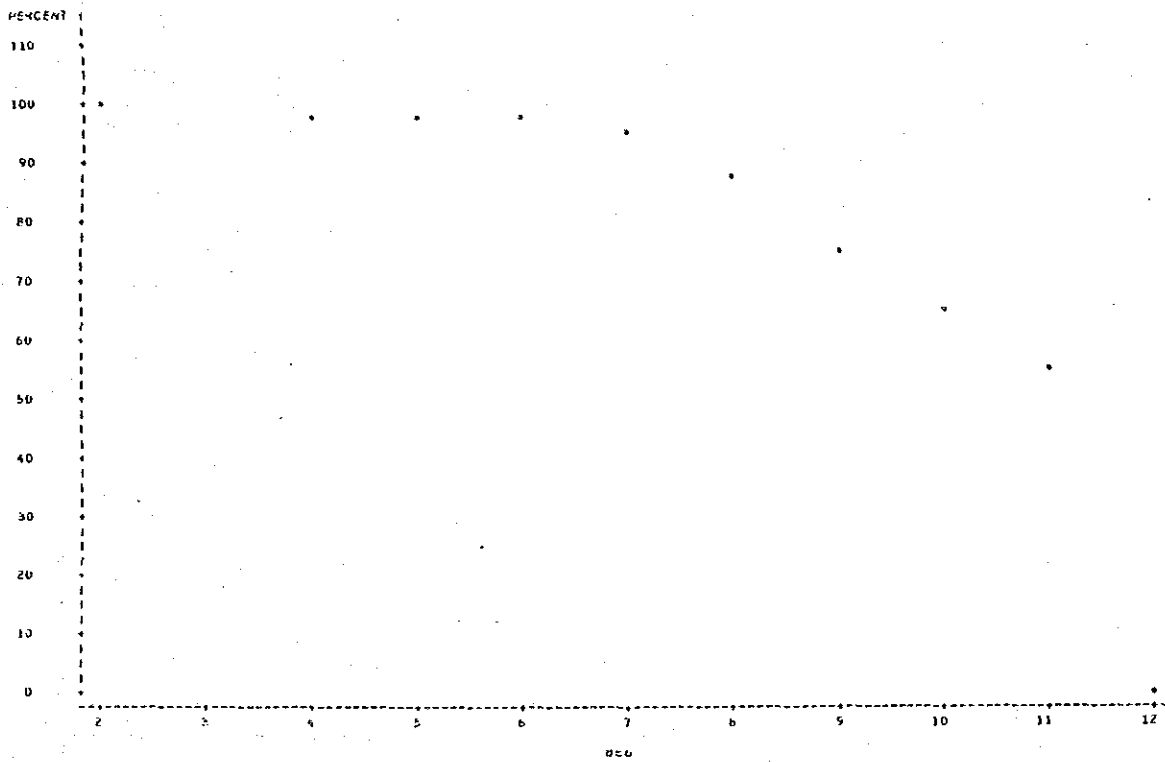
Histogram of Co Contents Distribution in Lithological Code II



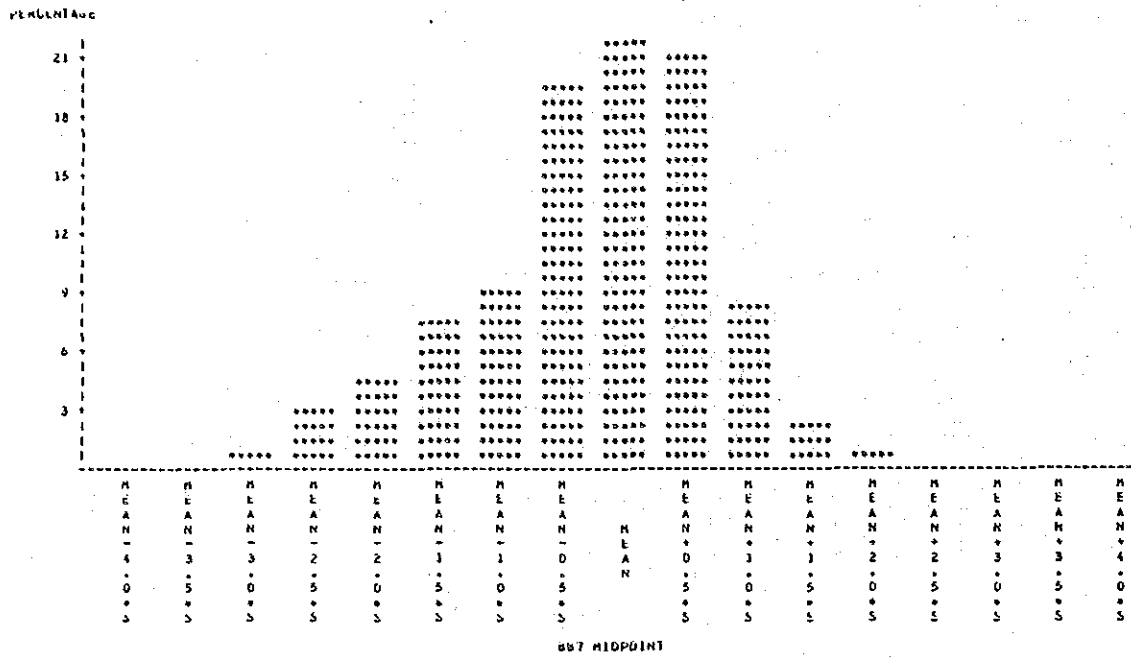
Cumulative Frequency Curve of Co Contents Distribution in Lithological Code II



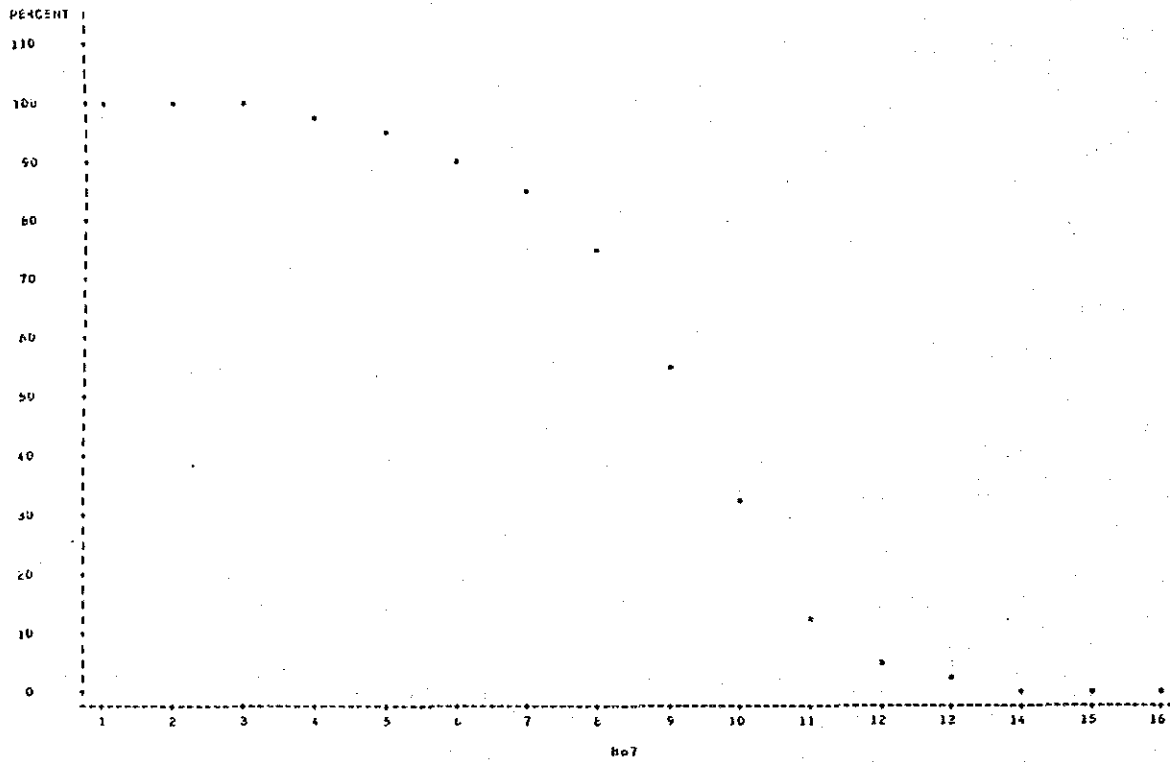
Histogram of Co Contents Distribution in Lithological Code IV



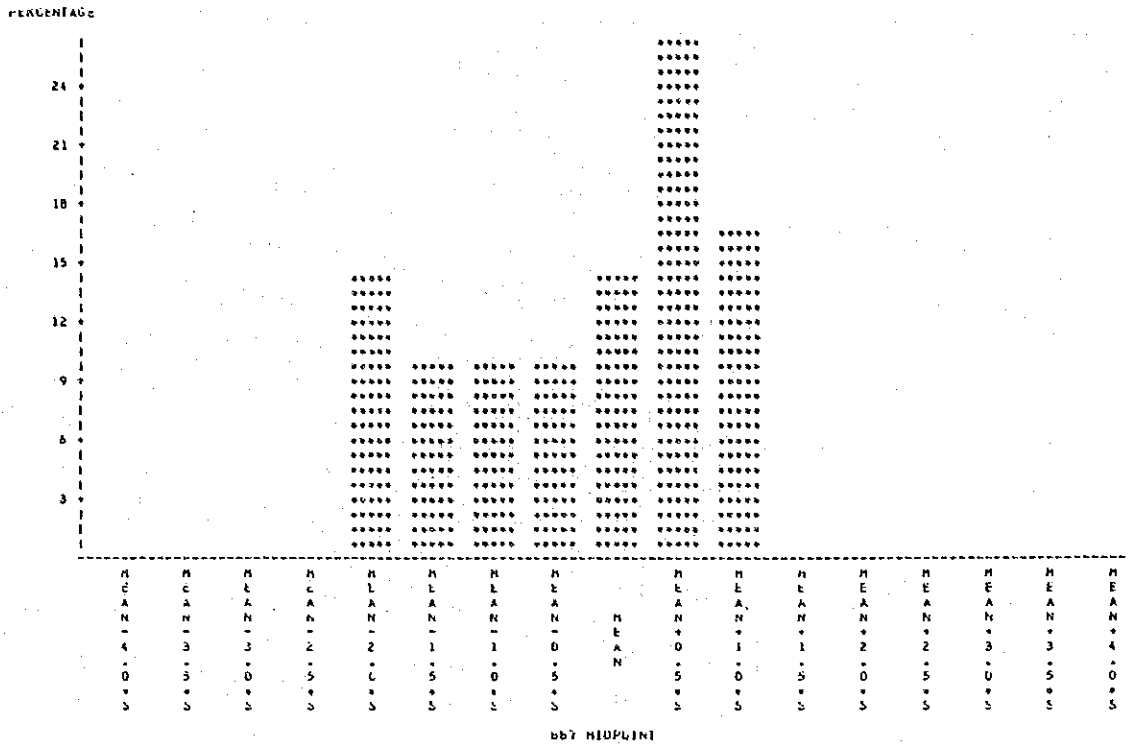
Cumulative Frequency Curve of Co Contents Distribution in Lithological Code IV



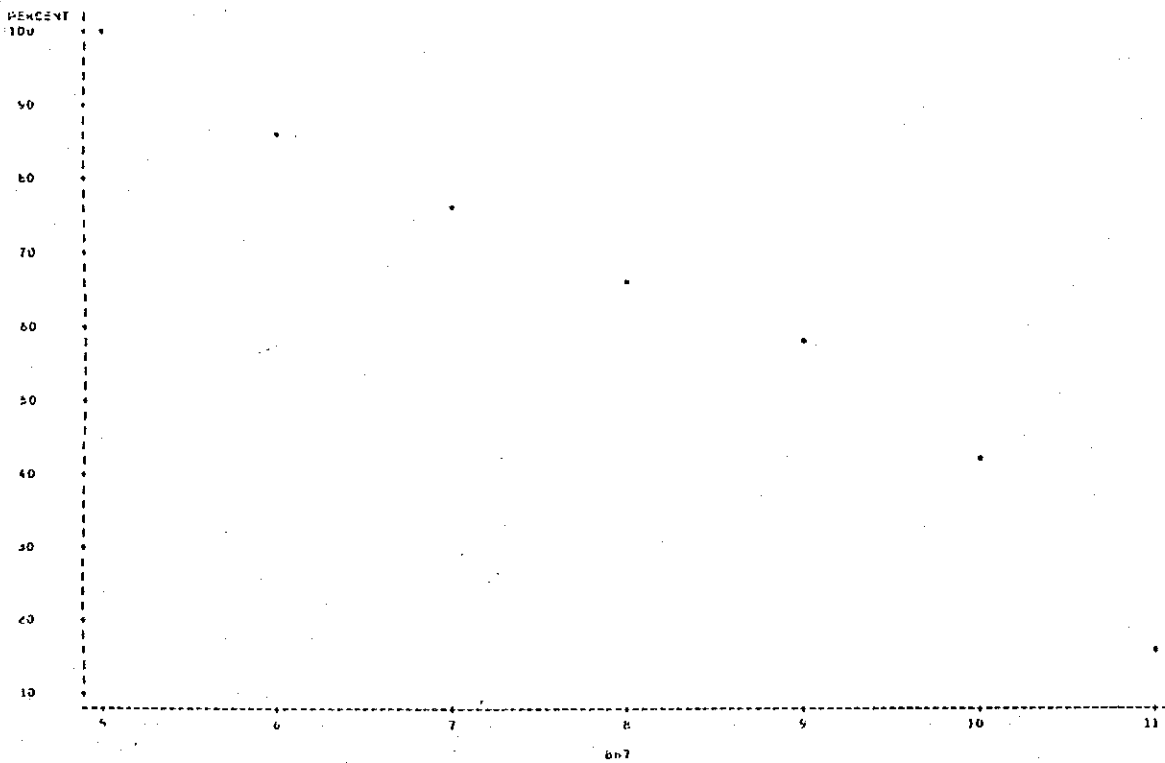
Histogram of Mn Contents Distribution in Lithological Code I



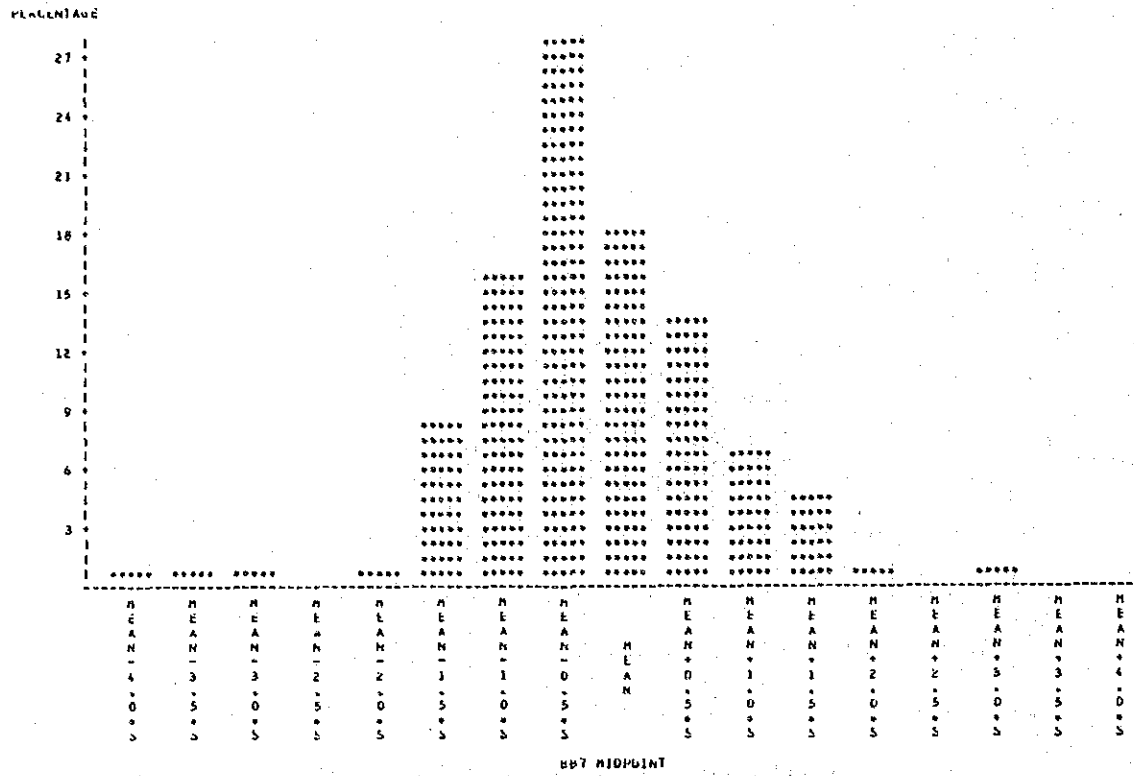
Cumulative Frequency Curve of Mn Contents Distribution in Lithological Code I



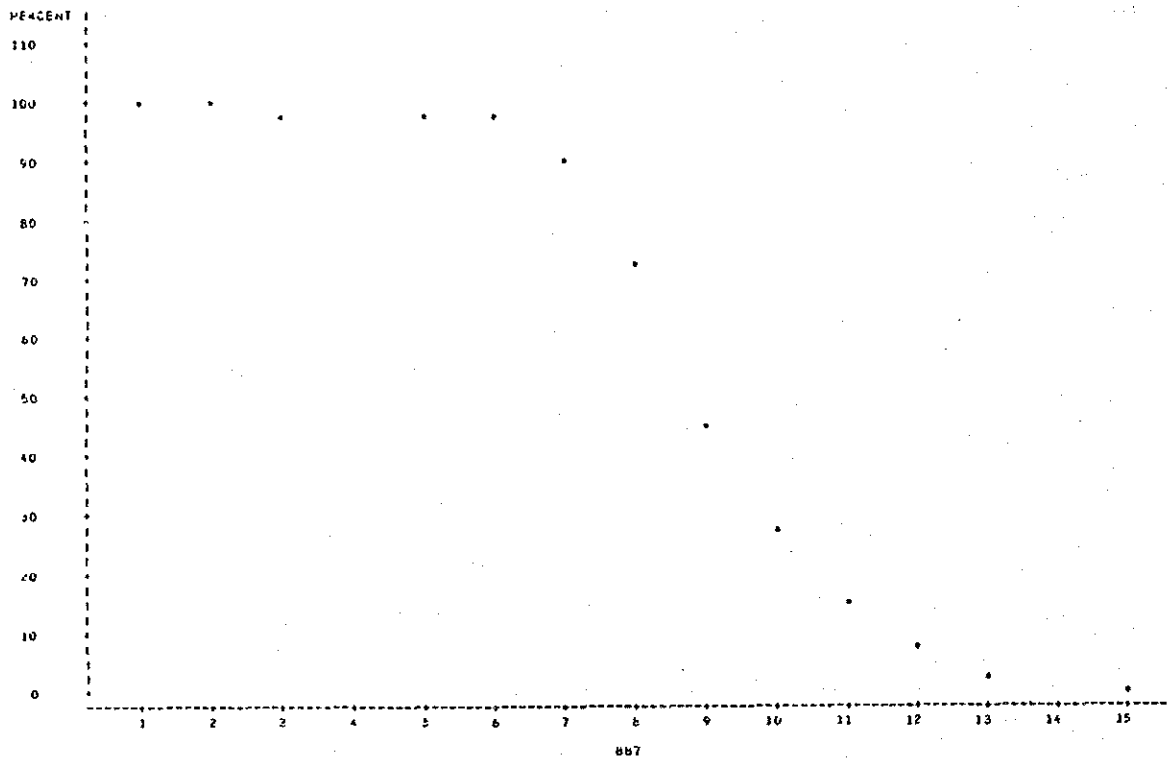
Histogram of Mn Contents Distribution in Lithological Code II



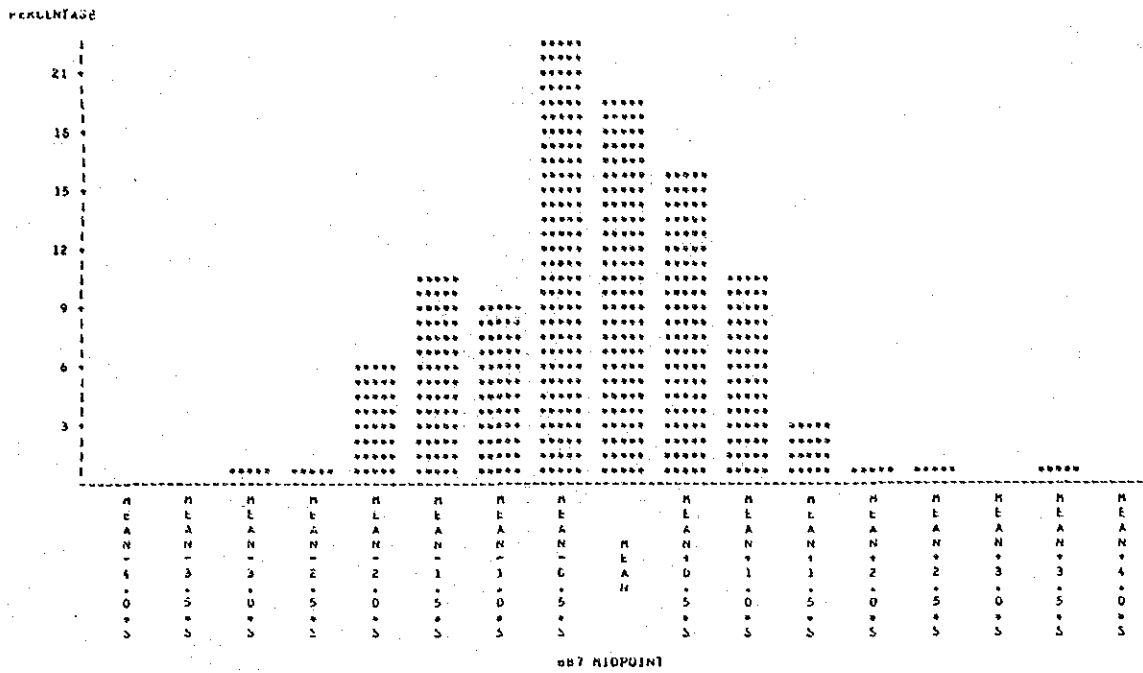
Cumulative Frequency Curve of Mn Contents Distribution in Lithological Code II



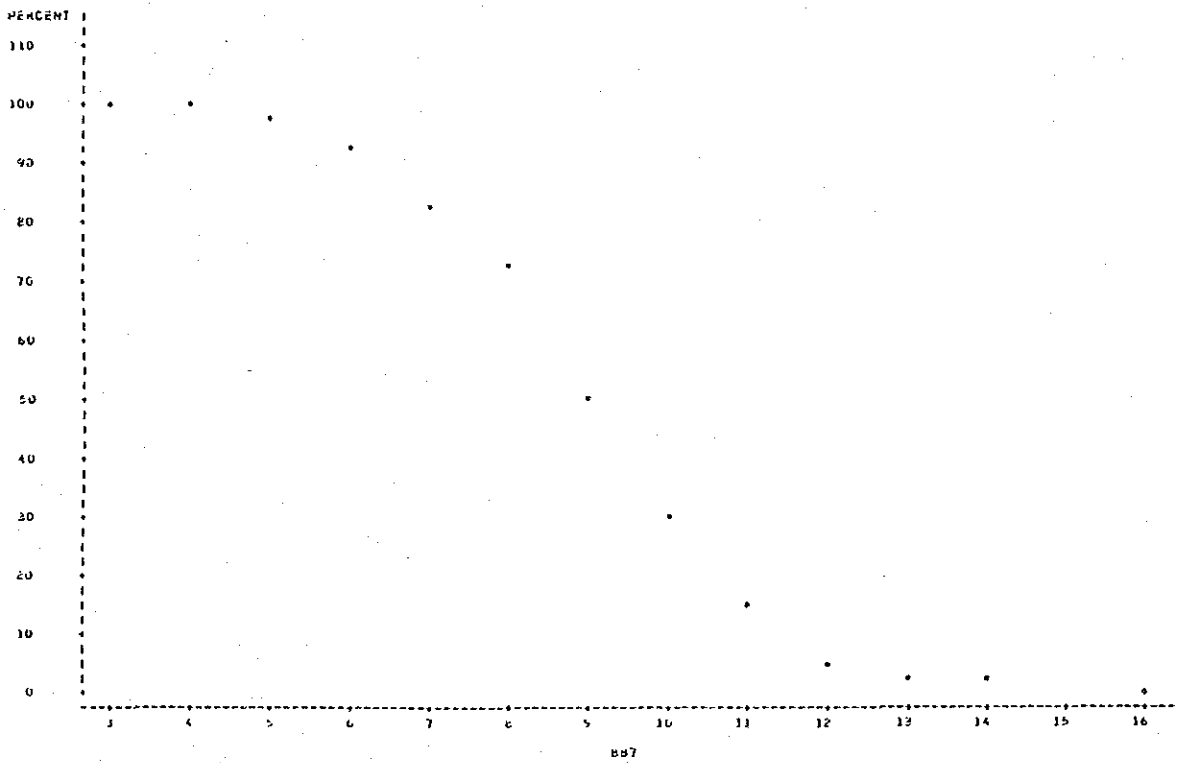
Histogram of Mn Contents Distribution in Lithological Code III



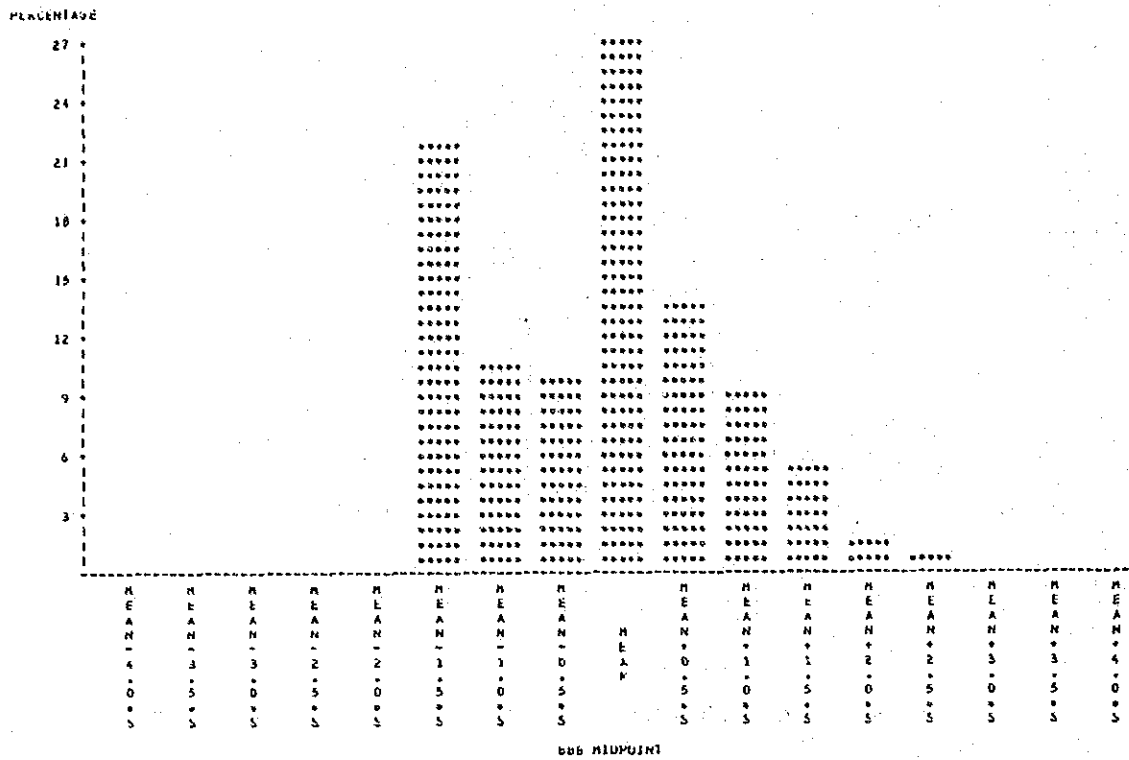
Cumulative Frequency Curve of Mn Contents Distribution in Lithological Code III



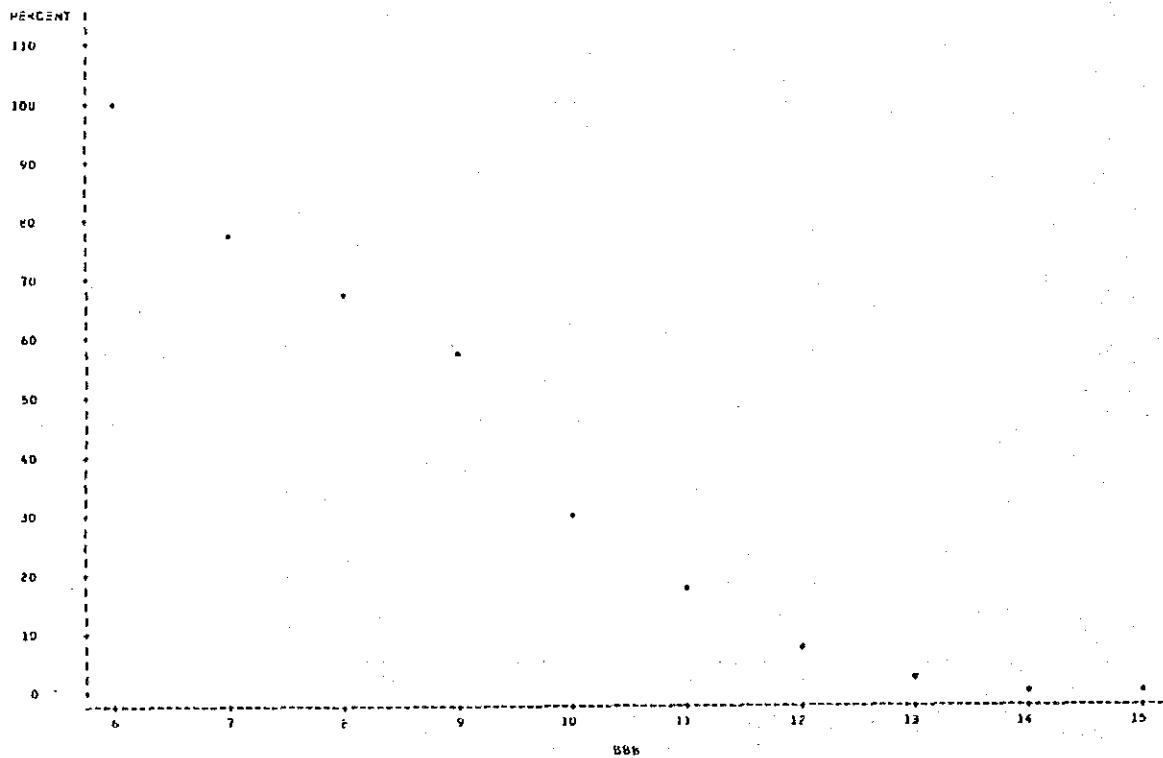
Histogram of Mn Contents Distribution in Lithological Code IV



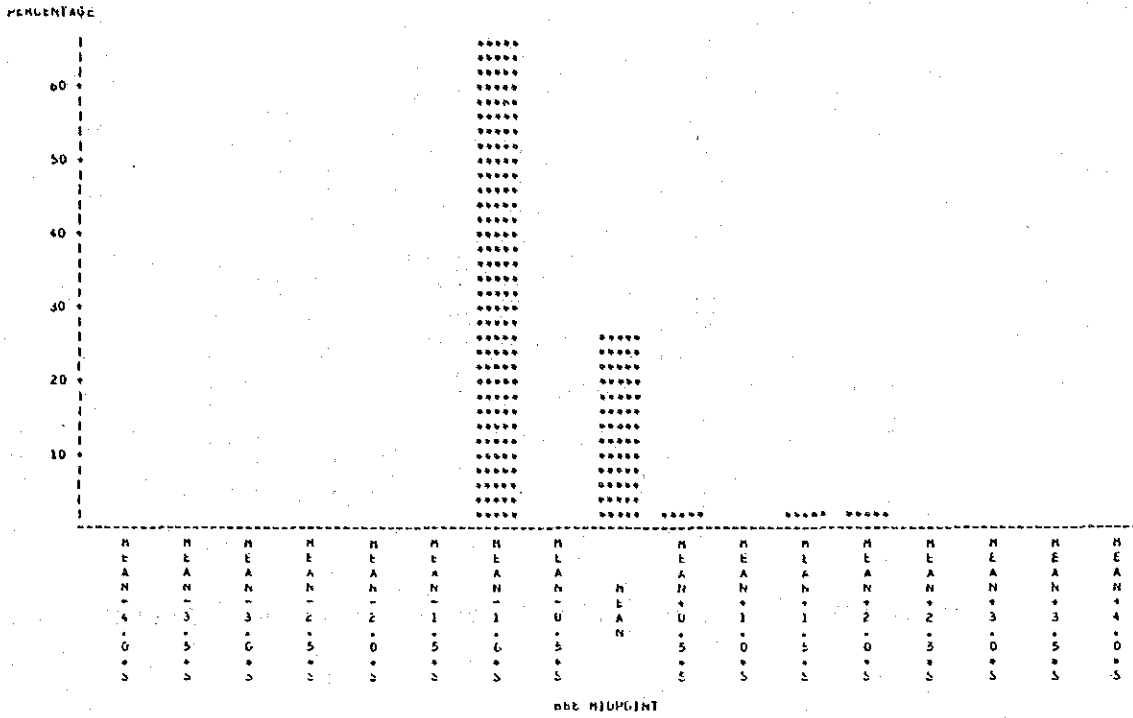
Cumulative Frequency Curve of Mn Contents Distribution in Lithological Code IV



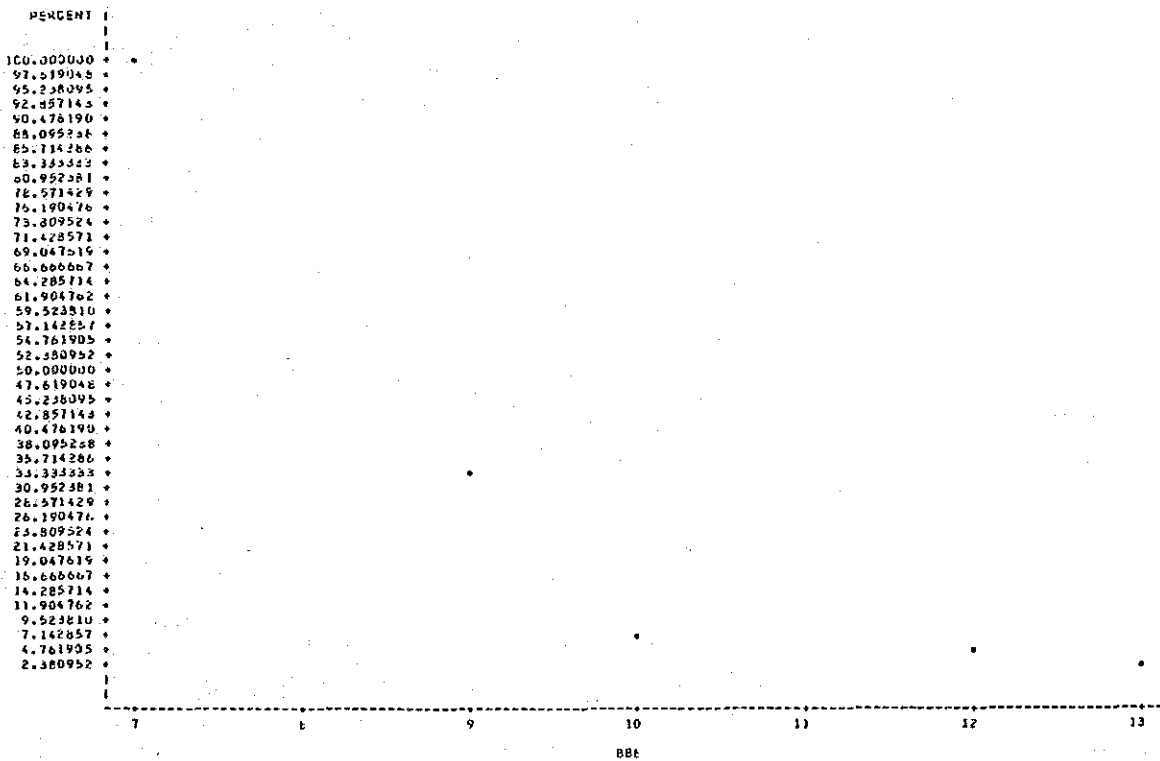
Histogram of As Contents Distribution in Lithological Code I



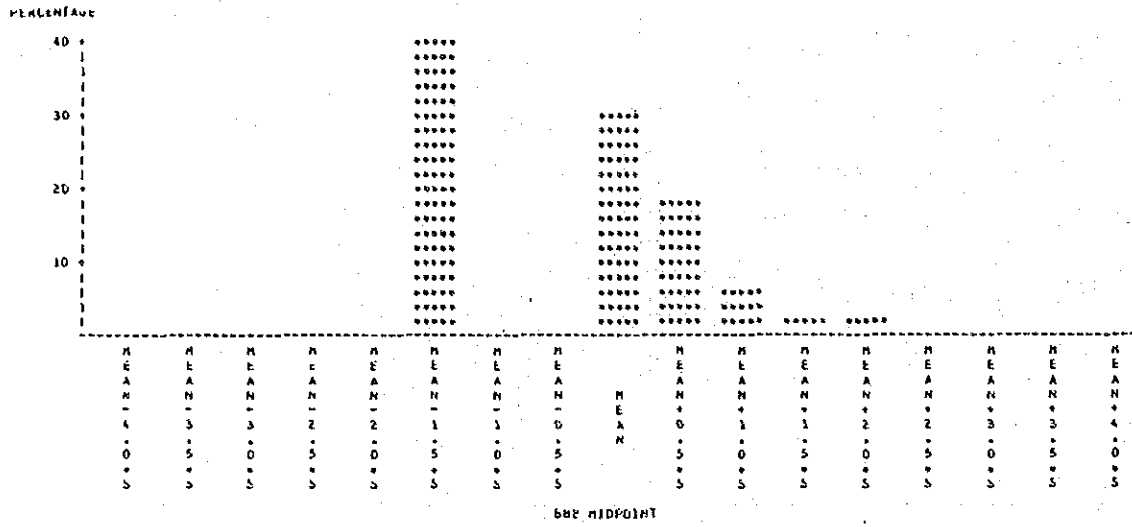
Cumulative Frequency Curve of As Contents Distribution in Lithological Code I



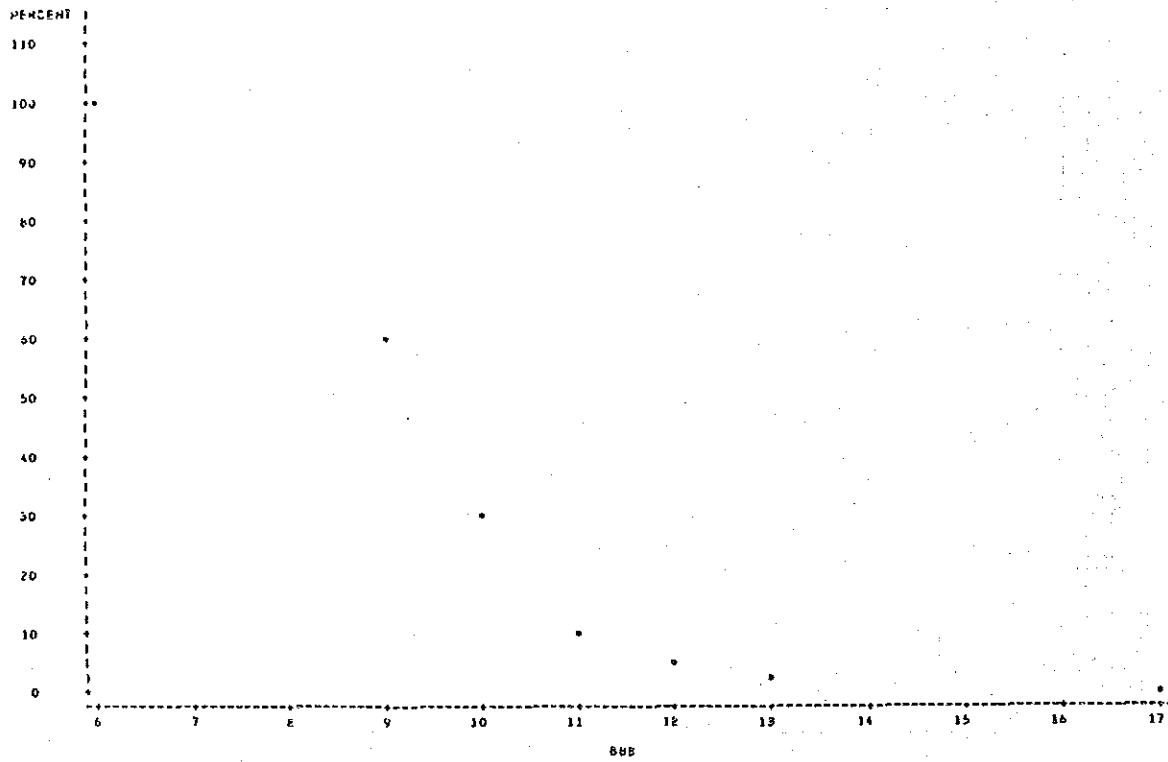
Histogram of As Contents Distribution in Lithological Code II



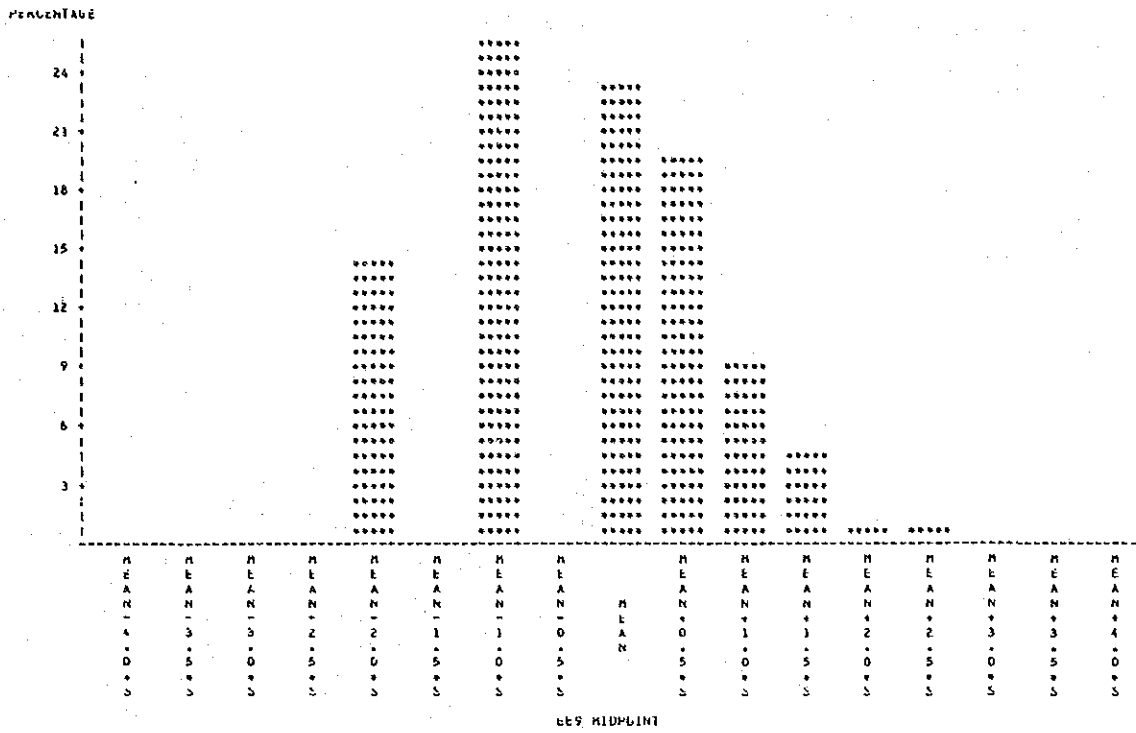
Cumulative Frequency Curve of As Contents Distribution in Lithological Code II



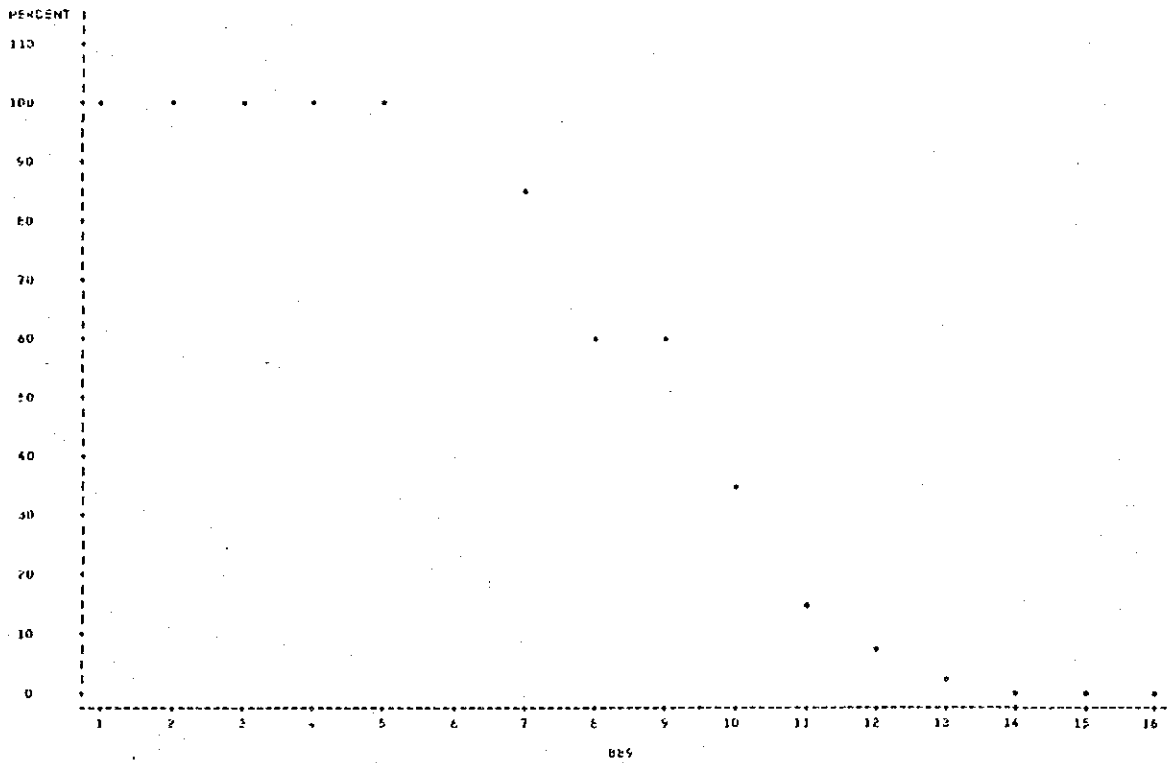
Histogram of As Contents Distribution in Lithological Code III-IV



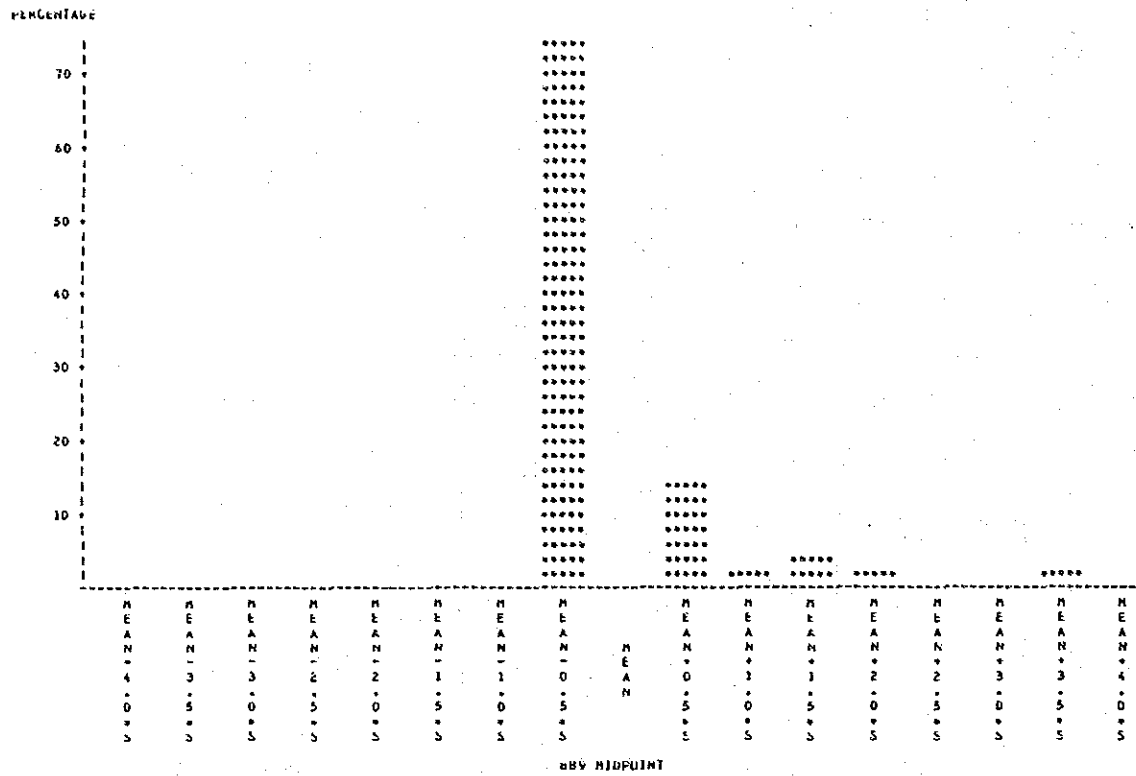
Cumulative Frequency Curve of As Contents Distribution in Lithological Code III-IV



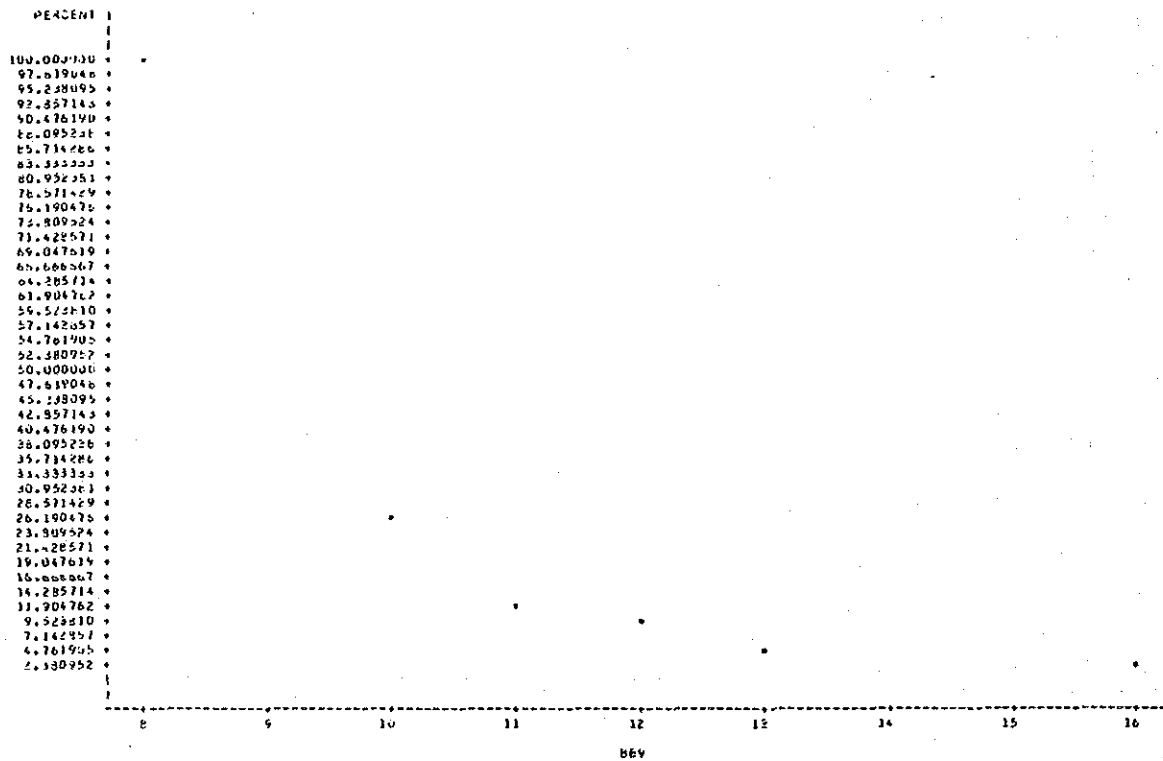
Histogram of Hg Contents Distribution in Lithological Code I



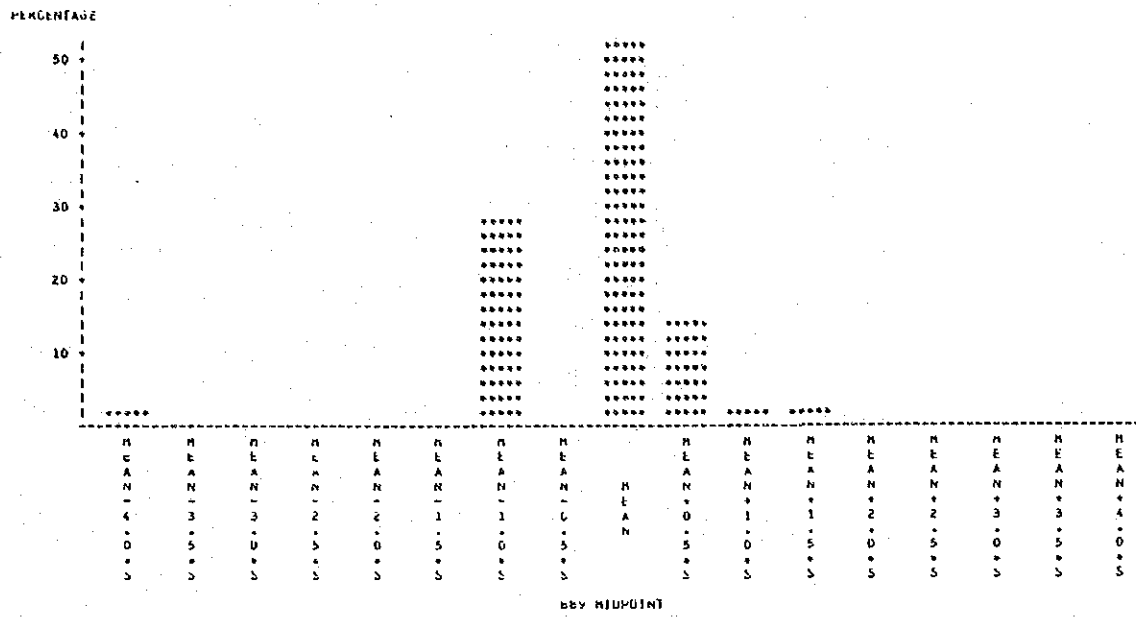
Cumulative Frequency Curve of Hg Contents Distribution in Lithological Code I



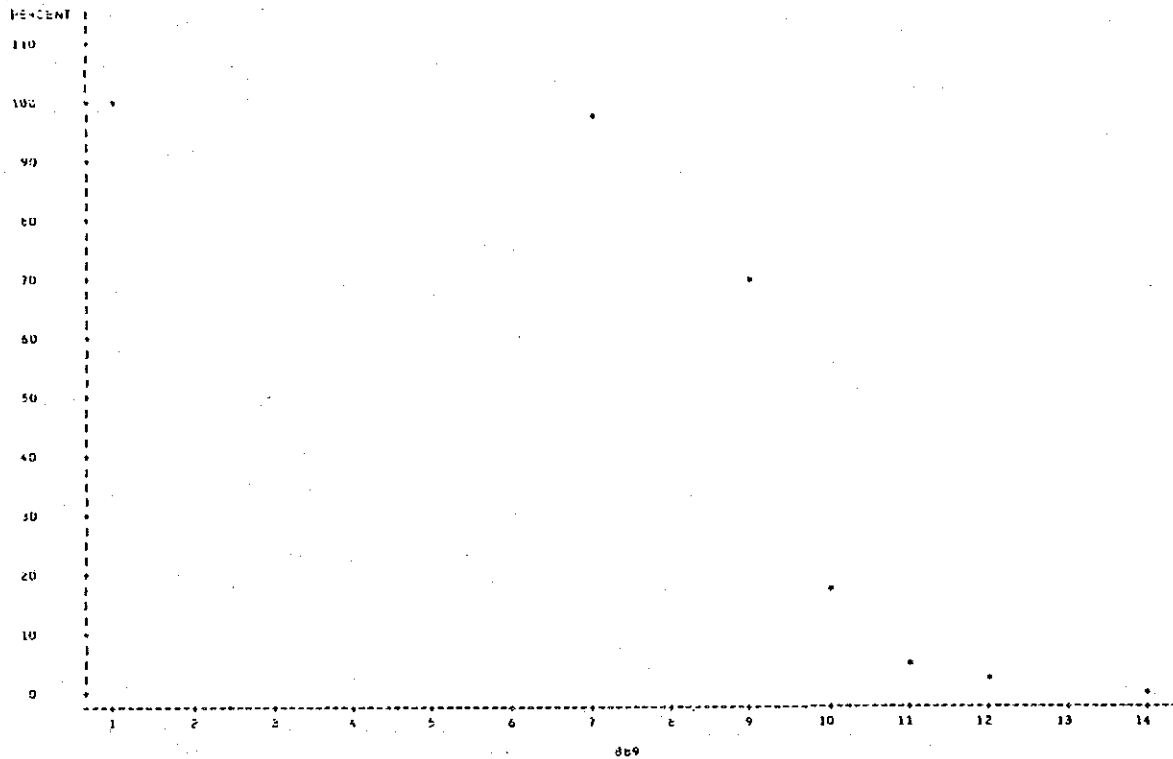
Histogram of Hg Contents Distribution in Lithological Code II



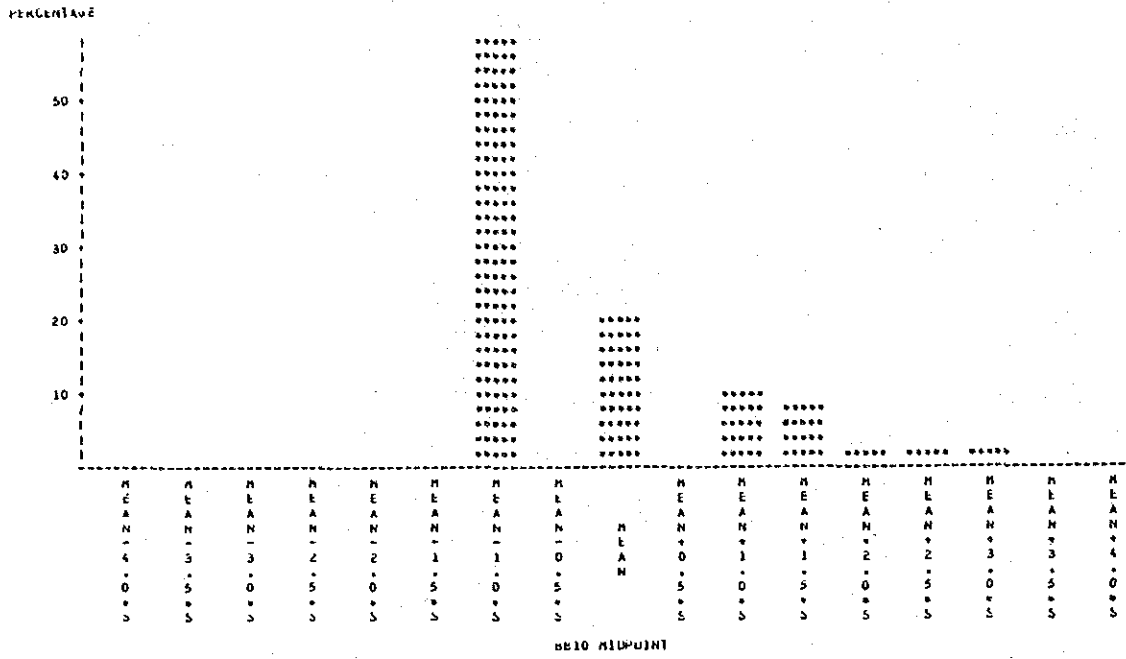
Cumulative Frequency Curve of Hg Contents Distribution in Lithological Code II



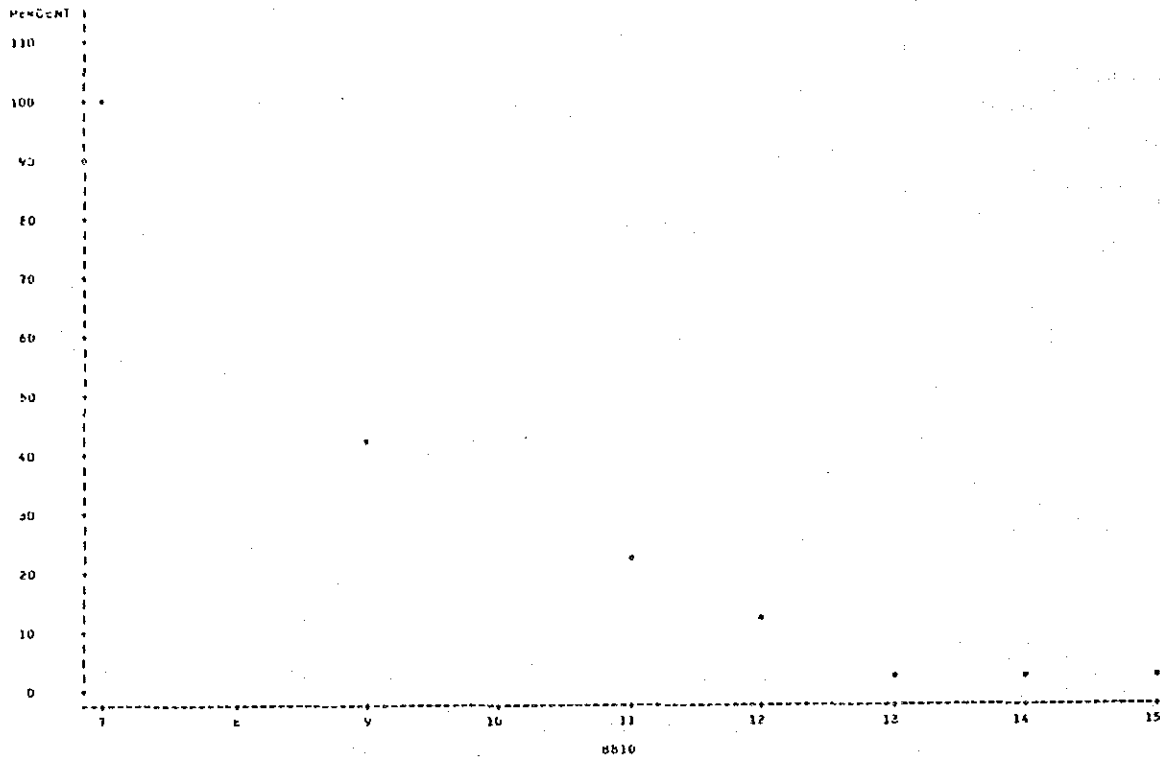
Histogram of Hg Contents Distribution in Lithological Code III-IV



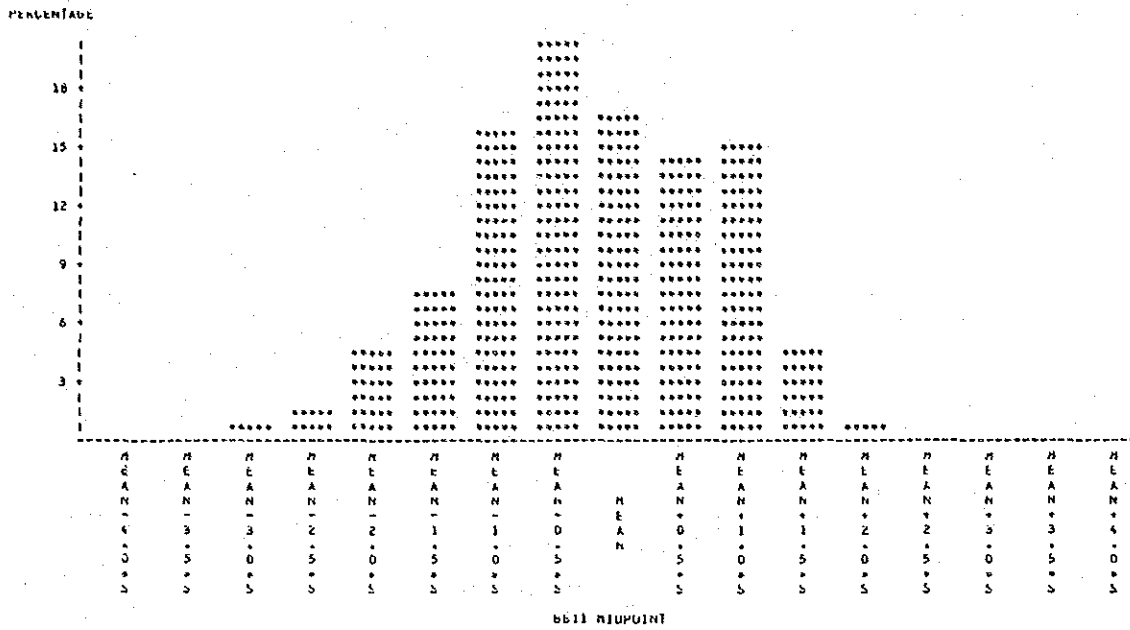
Cumulative Frequency Curve of Hg Contents Distribution in Lithological Code III-IV



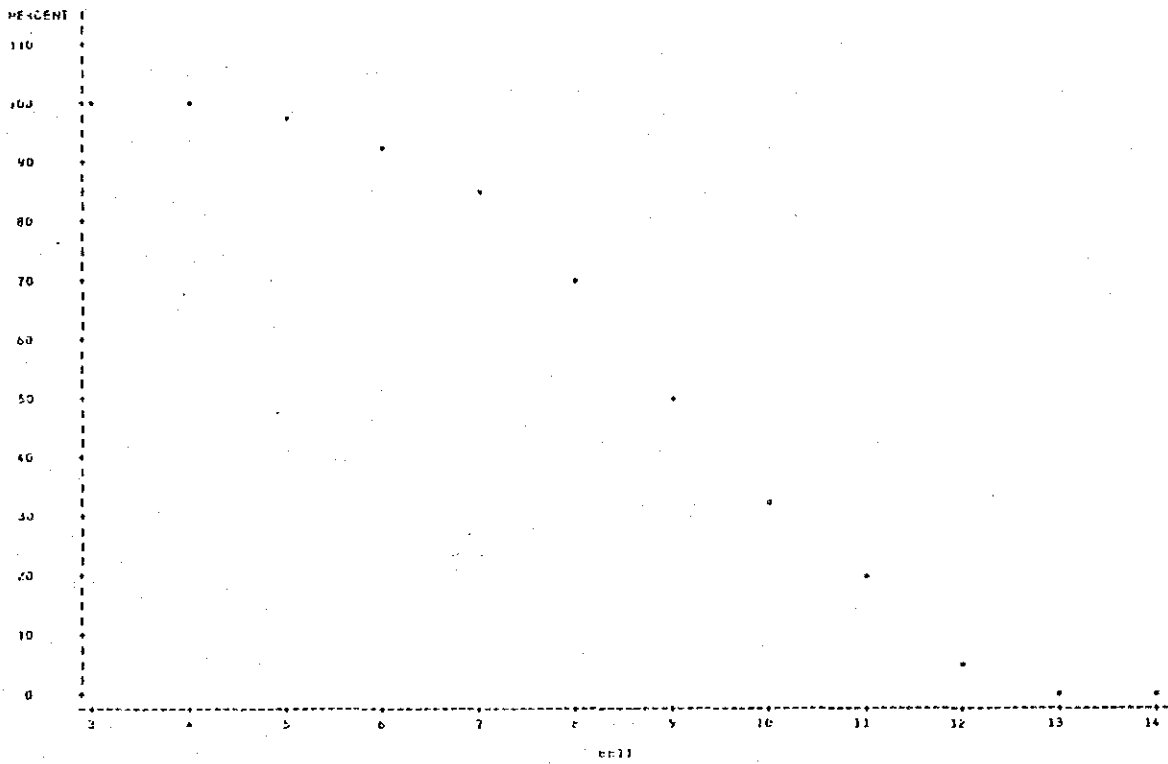
Histogram of Mo Contents Distribution in Lithological Code I-VI



Cumulative Frequency Curve of Mo Contents Distribution in Lithological Code I-VI



Histogram of Ba Contents Distribution in Lithological Code I-VI



Cumulative Frequency Curve of Ba Contents Distribution in Lithological Code I-VI

