









LD 1

LD 2

LD 3

UPPER TRANSITION BED

UPPER SANDSTONE

LOWER COAL ZONE

LD 6

LD 7

LD 8

UPPER SANDSTONE

LOWER COAL ZONE

UPPER TRANSITION BED

UPPER COAL ZONE

DD 1

DD 2

DD 3

DD 4

LD 11

LD 12

LD 13

LD 14

TOP MARKER  
INTERMEDIATE MARKER  
BOTTOM MARKER

BOTTOM MARKER  
INTERMEDIATE MARKER  
TOP MARKER

32.18

84.62

212.40

220.28

228.56

32.25

81.98

215.30

223.50

231.08

108.74

170.60

293.72

134.96

209.09

352.70

360.18

95.22

400

78.69

114.53

199.86

41.97

116.60

209.30

232.21

67.85

116.60

209.30

232.21

67.85

42.71

158.16

163.91

158.16

163.91

199.86

28.00

158.16

163.91

199.86

26.80

96.05

87.65

232.21

26.15

26.80

96.05

87.65

232.21

Four

178.90

222.92

232.21

111.43

26.15

178.90

222.92

232.21

37.95

142.70

178.90

222.92

232.21

37.95

142.70

178.90

222.92

232.21

18.10

126.93

155.50

201.34

18.10

126.93

155.50

201.34

76.60

198.60

126.93

155.50

201.34

76.60

198.60

126.93

155.50

201.34

10.11

14.05

95.03

126.93

155.50

201.34

10.11

14.05

95.03

126.93

155.50

201.34

216.10

198.60

222.08

126.93

155.50

201.34

216.10

198.60

222.08

126.93

155.50

201.34

29.06

216.10

198.60

222.08

126.93

155.50

201.34

29.06

216.10

198.60

222.08

126.93

155.50

201.34

123.78

188.42

198.60

222.08

126.93

155.50

201.34

123.78

188.42

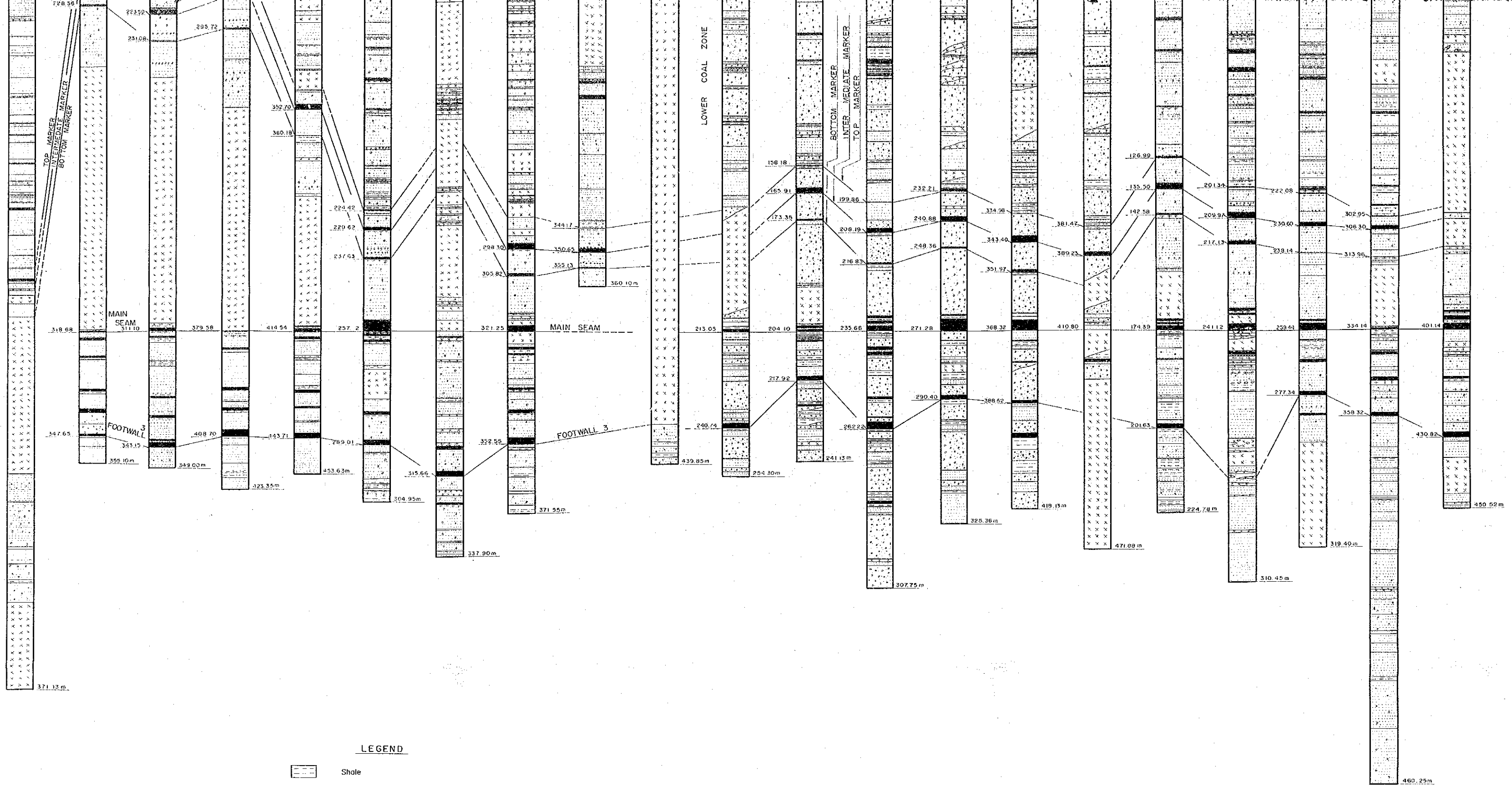
198.60

222.08







126.93

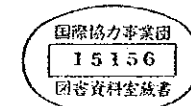
155.50

201.34



LEGEND

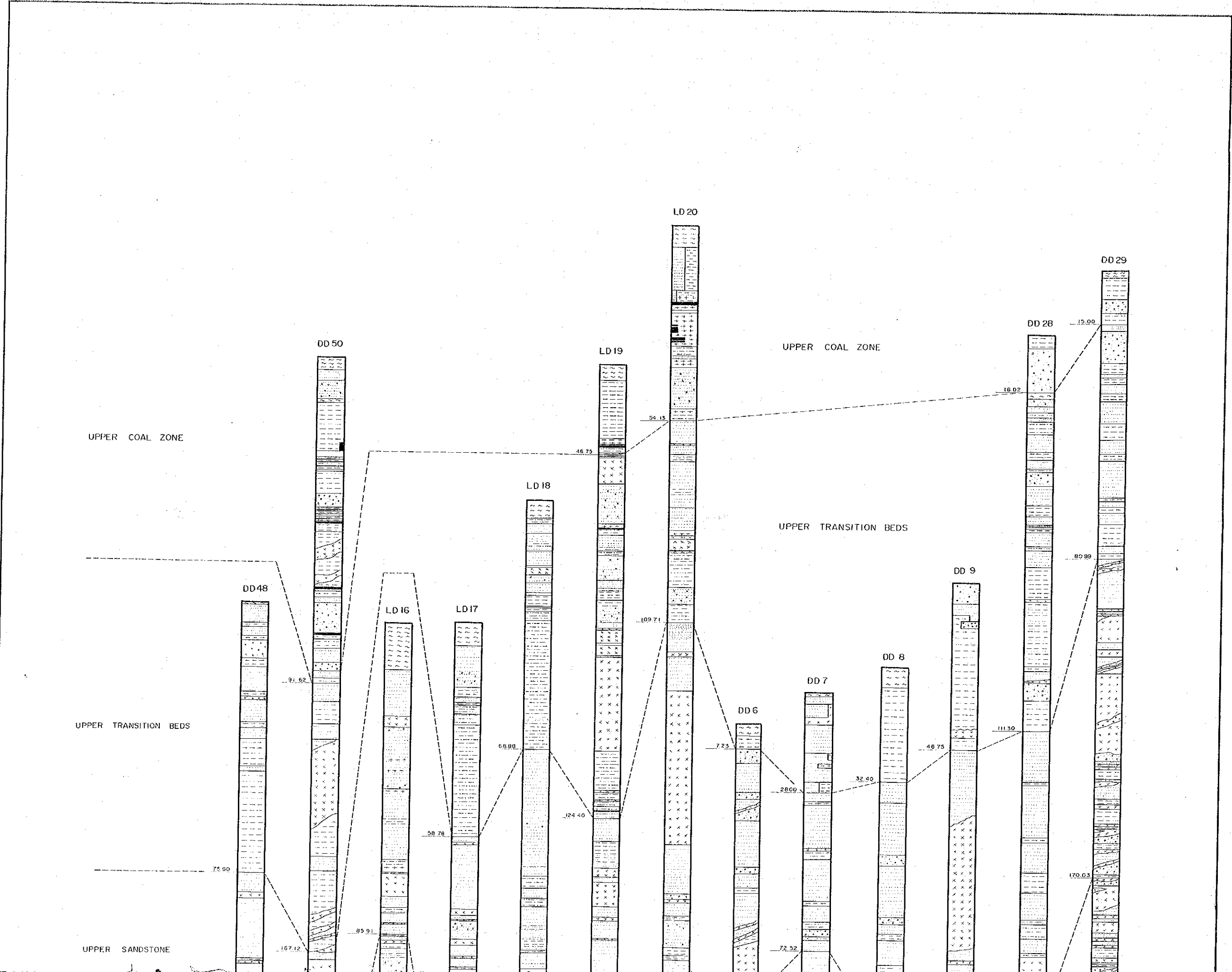
-  Shale
-  Shale, Sandy
-  Sandstone, fine to medium grained
-  Sandstone, Coarse grained
-  Coal
-  Dolerite



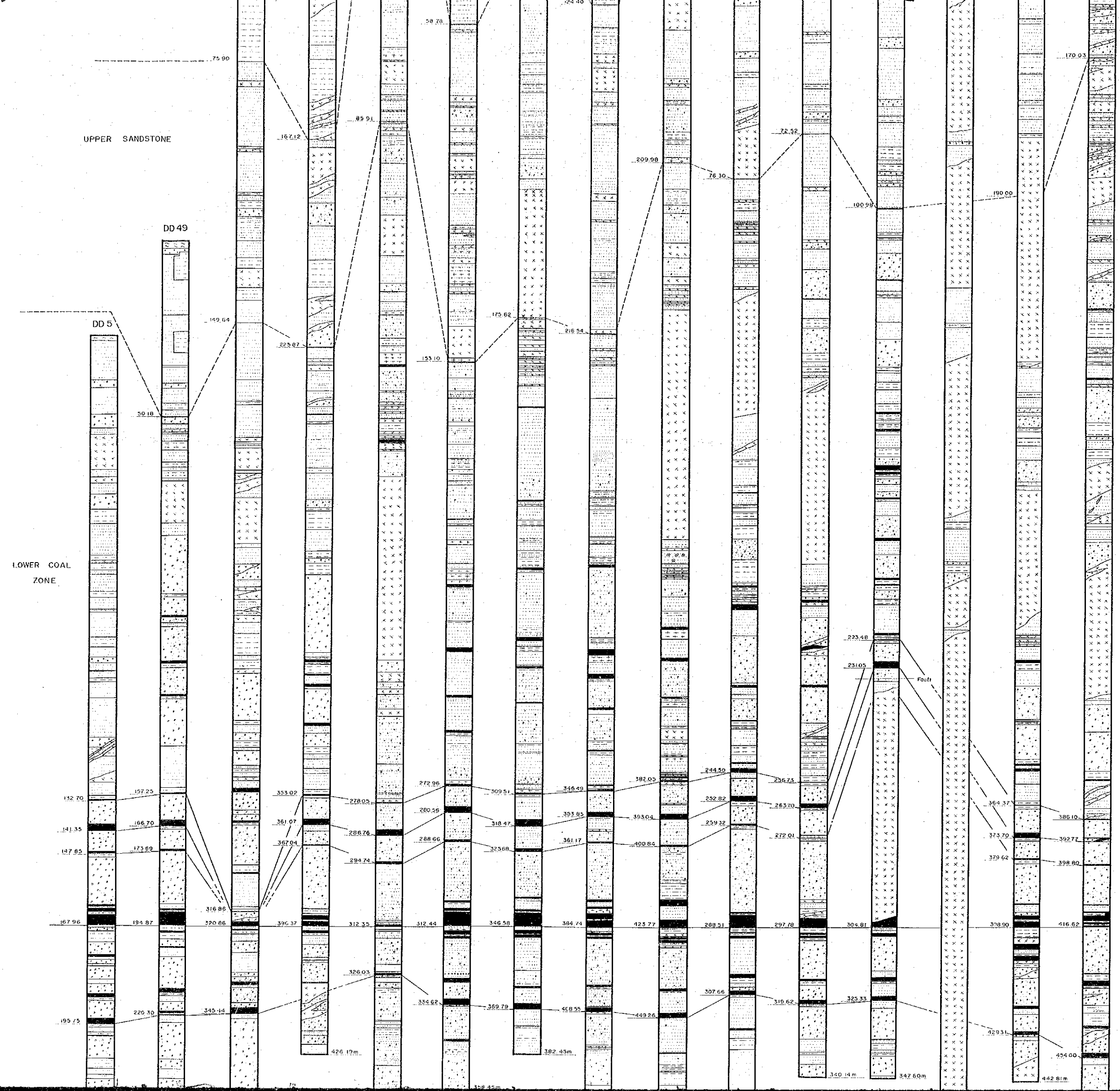
JAPAN INTERNATIONAL COOPERATION AGENCY

Correlation of Geologic Sequence  
(Northern Part)

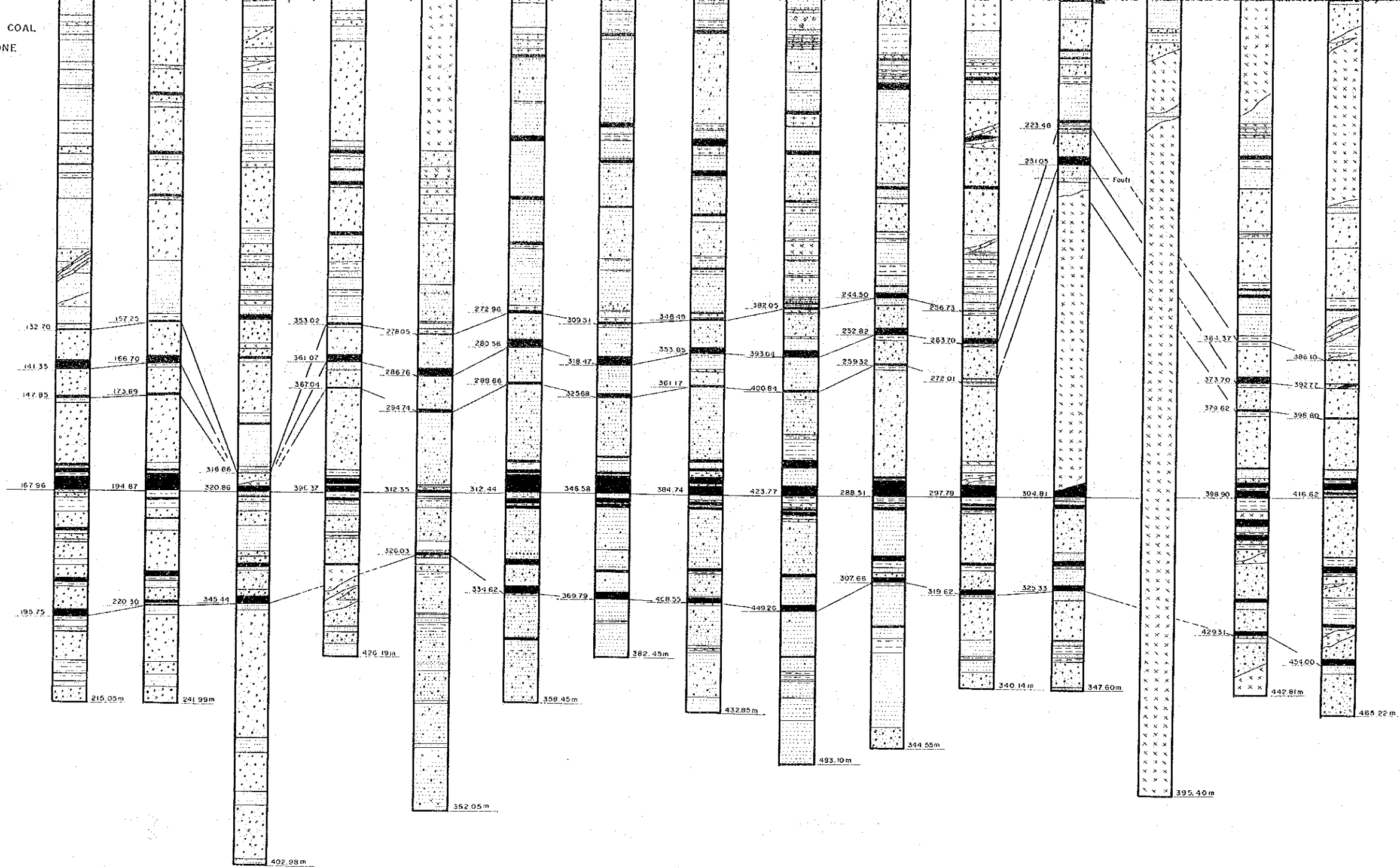
Dwg. No.	5a	Scale	1 : 500
Date	Sep., 1985	Prepared by	H. Nozaki, S. Morikawa, H. Watanabe













LOWER COAL ZONE



**LEGEND**

-  Shale
-  Shale, Sandy
-  Sandstone, fine to medium grained
-  Sandstone, Coarse grained
-  Coal
-  Dolerite

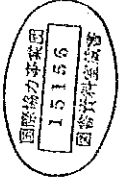
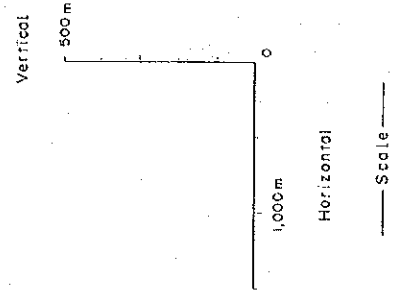
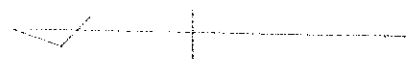
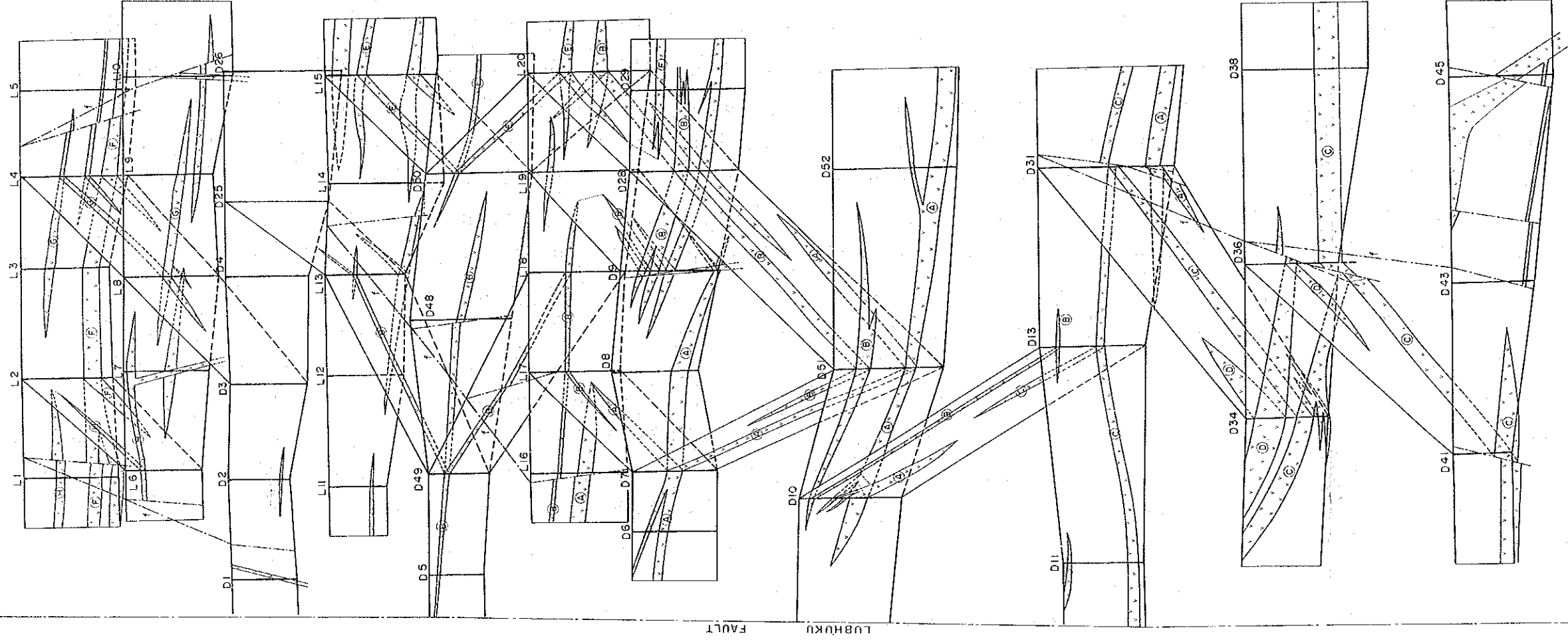


JAPAN INTERNATIONAL COOPERATION AGENCY

Correlation of Geologic Sequence  
(Southern Part)

Dwg. No.	5b	Scale	1 : 500
Date	Sep., 1985	Prepared by	H. Nozaki, S. Morikawa I. H. Watanabe





LEGEND

- Dolerite
- Main Intrusions
- Fault Plane
- Bore Hole No. (DDI)
- Bore Hole No. (LDI)












JAPAN INTERNATIONAL COOPERATION AGENCY

Fence Diagram of  
Dolerite Intrusions

CwgNo.	6	Scale	H=1:25,000 V=1:10,000
Date	Oct, 1985	Prepared by	S. Morikawa H. Warabe



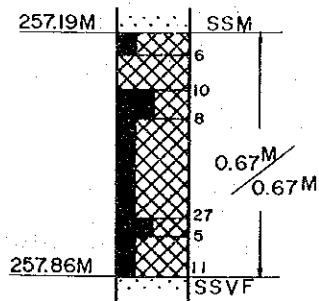
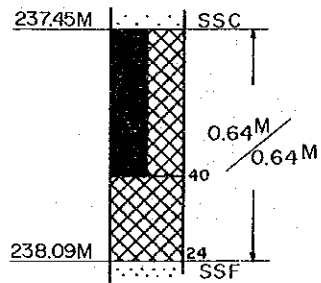
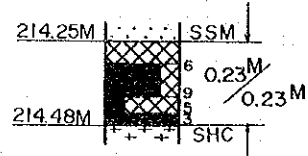
## LEGEND

	COAL, BRIGHT
	COAL, BRIGHT BANDED DULL
	COAL, BRIGHT AND DULL
	COAL, DULL BANDED BRIGHT
	COAL, DULL
	COAL, SHALY OR SHALE COALY, (SHCO)
	SHALE, CARBONACEOUS, (SHC)
	SHALE, (SH)
	SHALE, SANDY, (SHS)
	SANDSTONE, (SSF, SSM, SSC)
	DOLERITE, (DO)

Drawing 7a

COAL SEAM COLUMNAR SECTION OF LD I

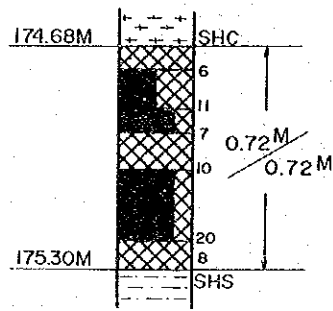
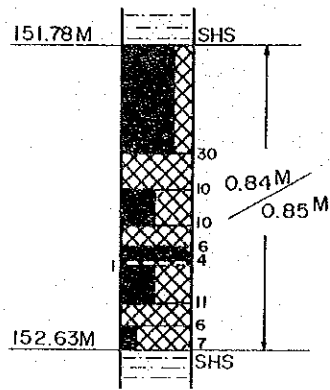
SCALE = 1 : 20



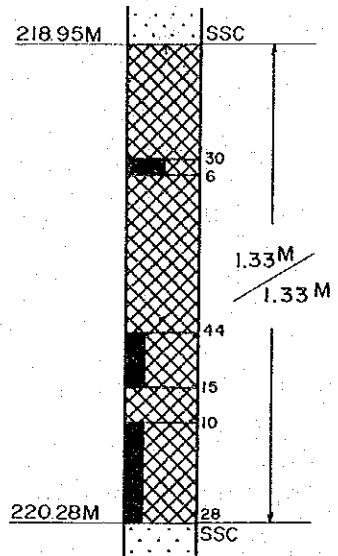
Drawing 7b-1

COAL SEAM COLUMNAR SECTION OF LD 2 1/2

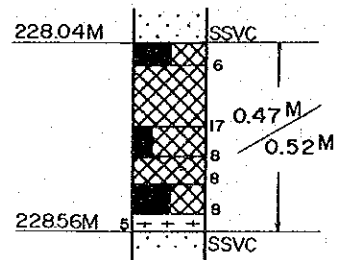
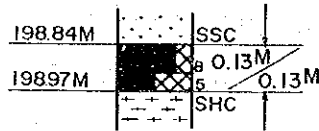
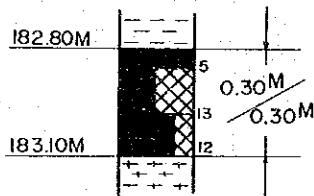
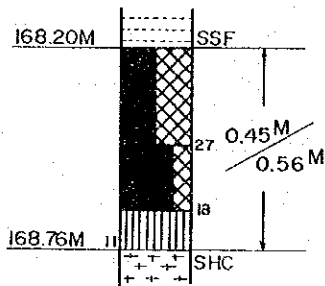
SCALE = 1 : 20



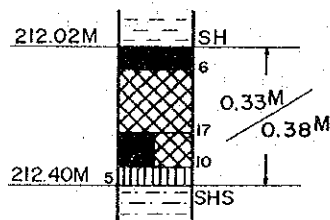
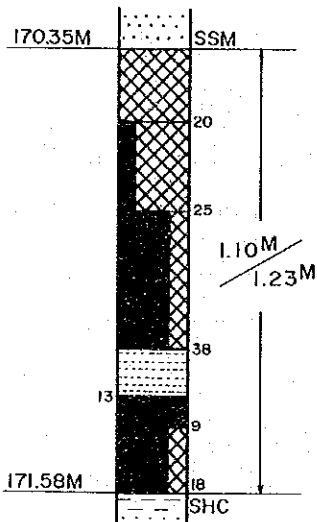
UPPER COAL SEAM



INTERMEDIATE MARKER



BOTTOM MARKER

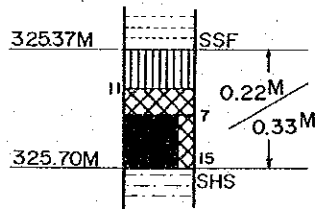
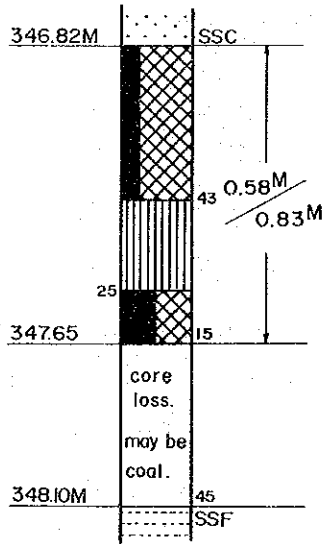
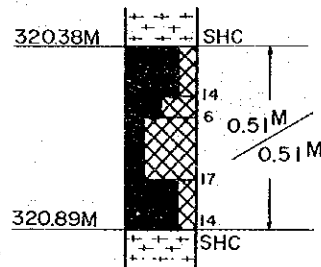
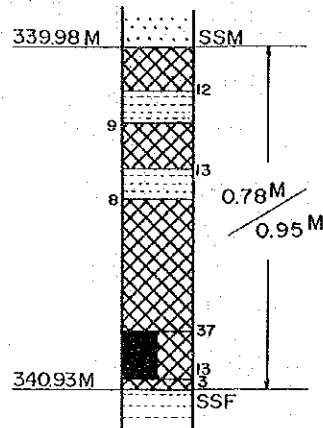
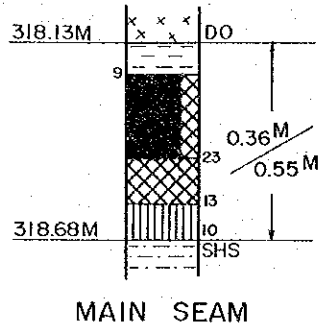


TOP MARKER

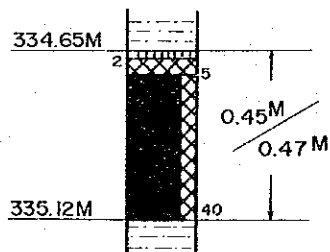
Drawing 7b-2

COAL SEAM COLUMNAR SECTION OF LD 2 2/2

SCALE = 1 : 20



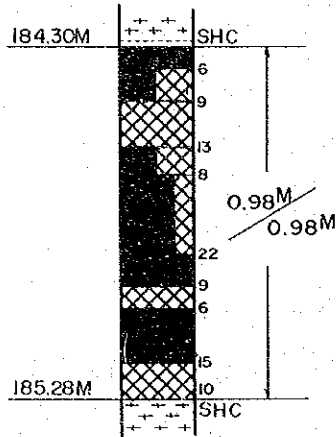
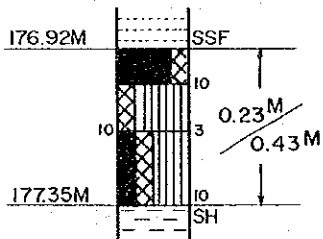
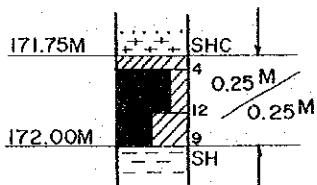
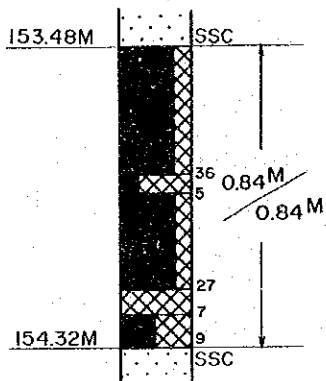
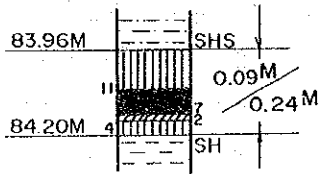
FOOTWALL 3



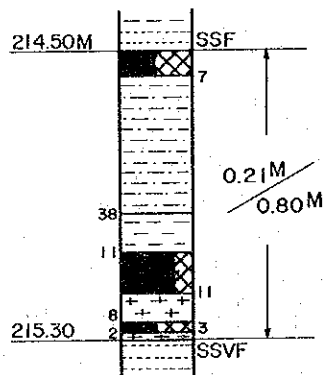
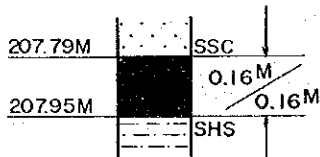
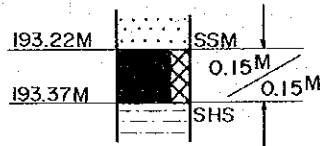
Drawing 7c-1

COAL SEAM COLUMNAR SECTION OF LD3 1/2

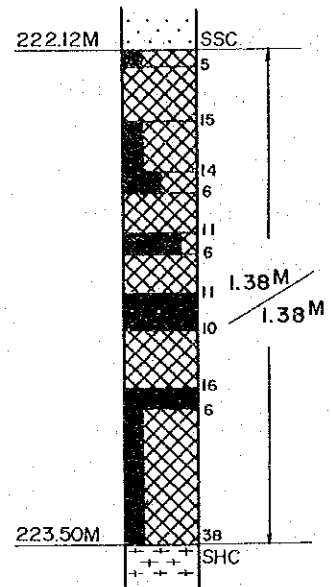
SCALE = 1 : 20



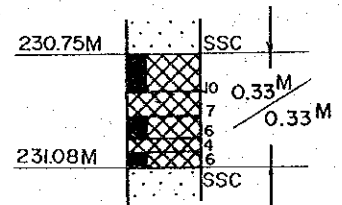
UPPER COAL SEAM



TOP MARKER



INTERMEDIATE MARKER



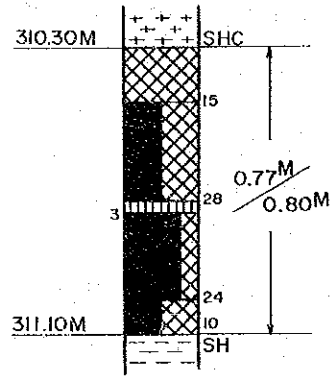
BOTTOM MARKER



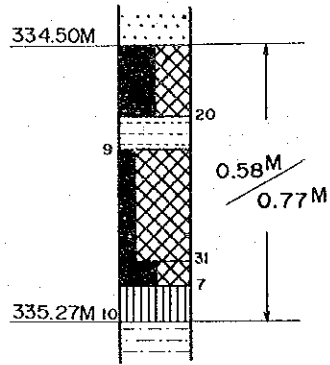
Drawing 7c-2

COAL SEAM COLUMNAR SECTION OF LD 3 2/2

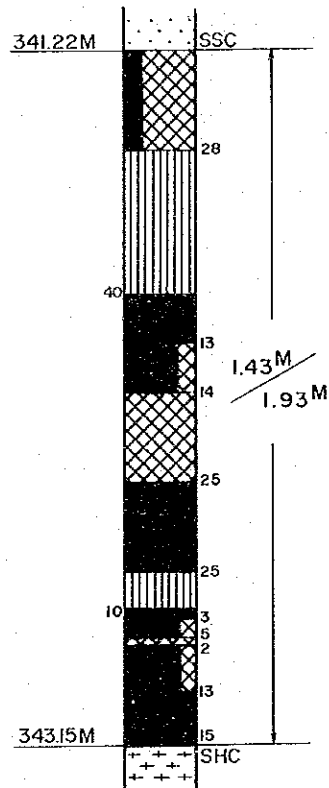
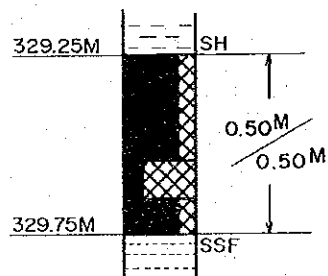
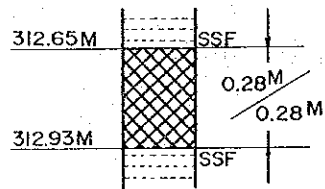
SCALE = 1 : 20



MAIN SEAM

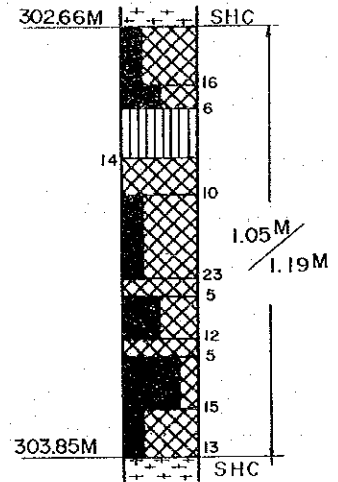
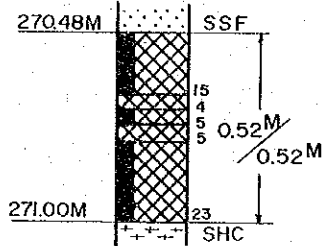
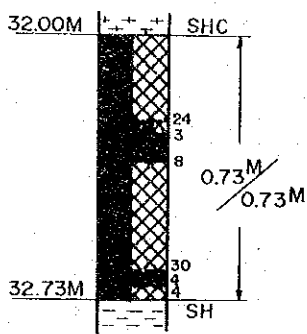


FOOTWALL 3

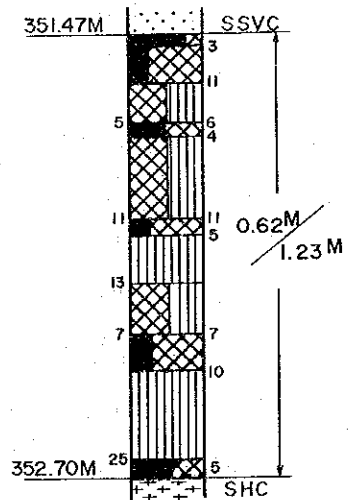
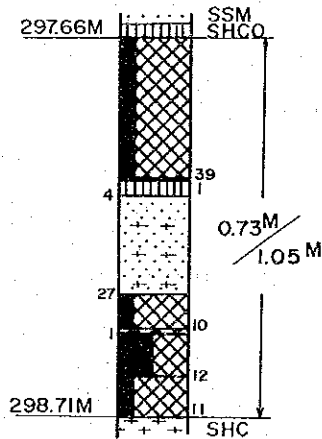
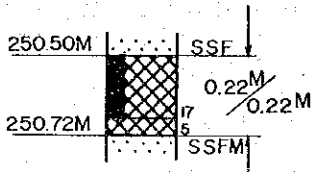
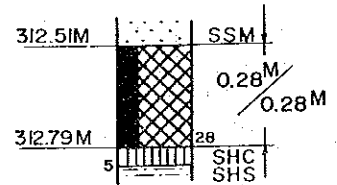
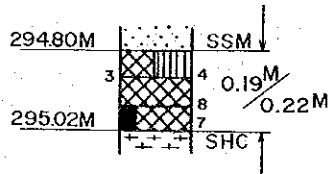
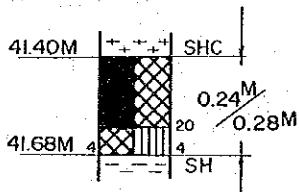




Drawing 7e-1  
 COAL SEAM COLUMNAR SECTION OF LD5 1/2  
 SCALE = 1 : 20



UPPER COAL

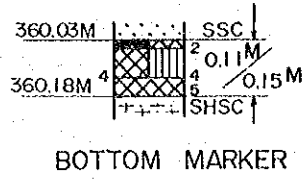


INTERMEDIATE MARKER

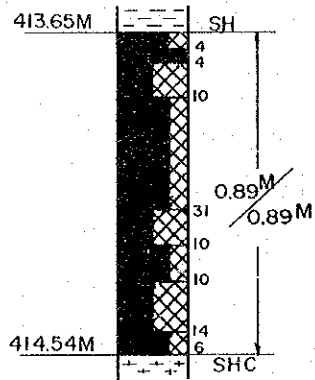
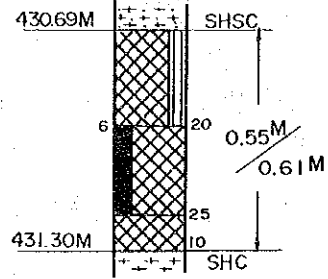
Drawing 7e-2

COAL SEAM COLUMNAR SECTION OF LD5 2/2

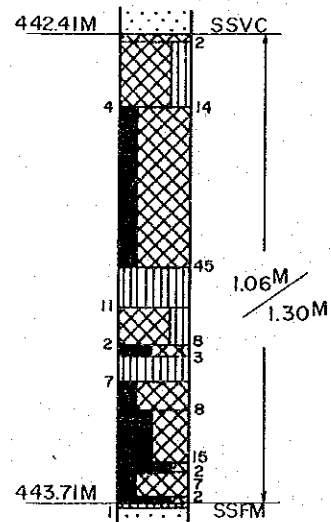
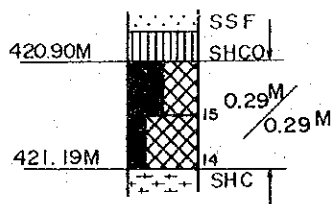
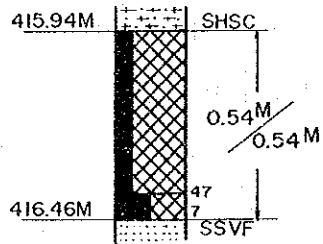
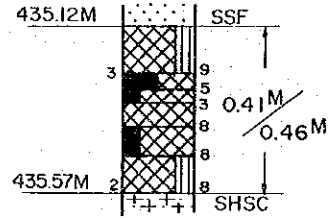
SCALE = 1 : 20



BOTTOM MARKER



MAIN SEAM

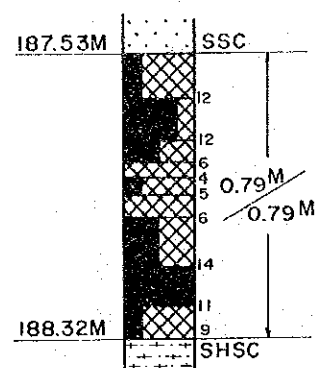
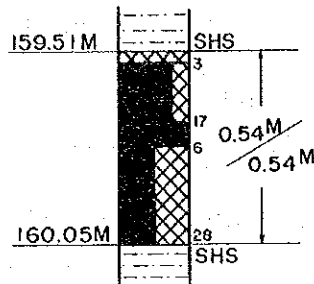
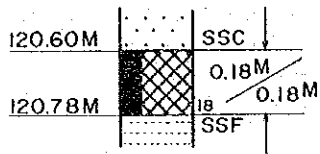


FOOTWALL 3

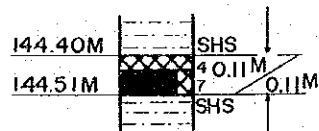
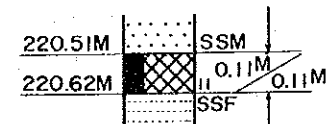
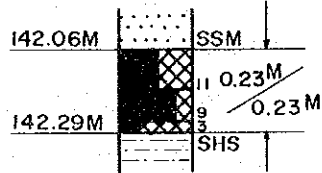
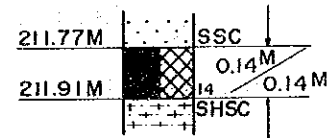
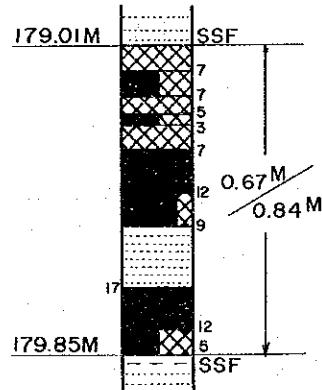
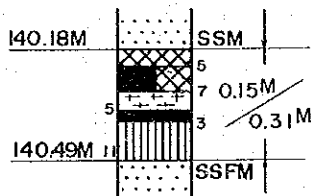
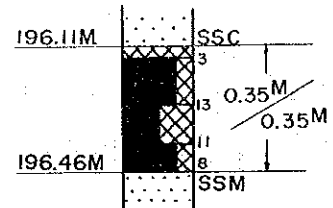
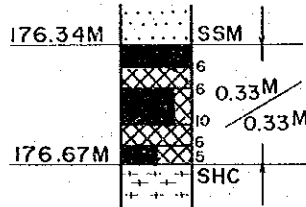
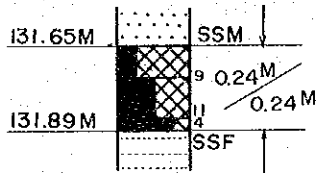
Drawing 7f-1

COAL SEAM COLUMNAR SECTION OF LD6 1/3

SCALE = 1 : 20



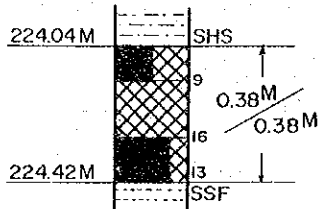
UPPER COAL SEAM



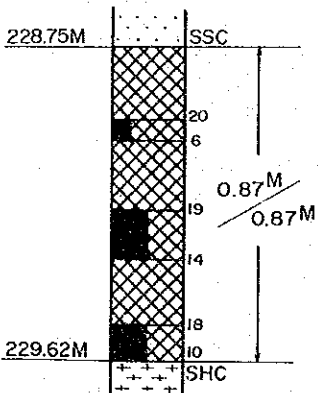
Drawing 7f-2

COAL SEAM COLUMNAR SECTION OF LD 6 2/3

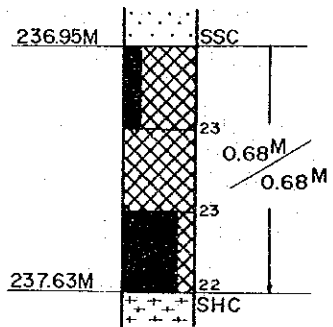
SCALE = 1 : 20



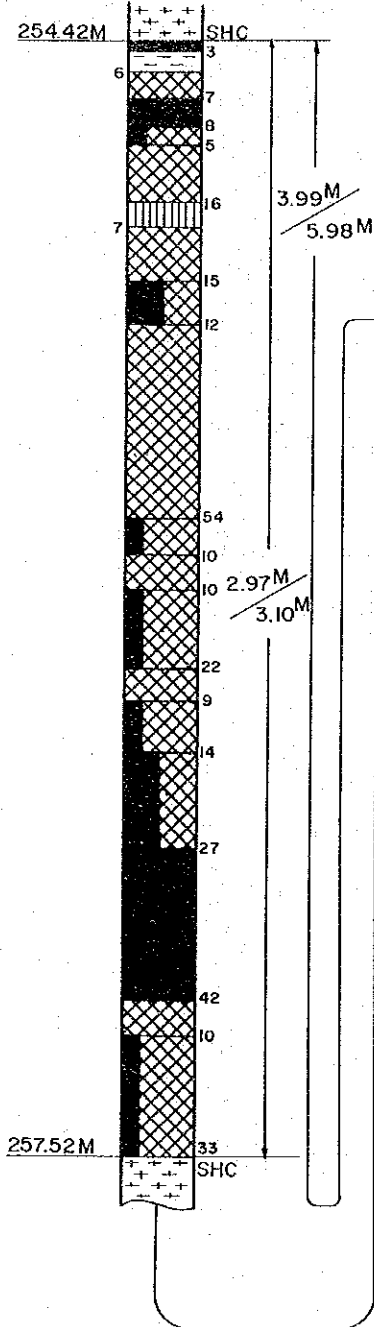
TOP MARKER



INTERMEDIATE MARKER

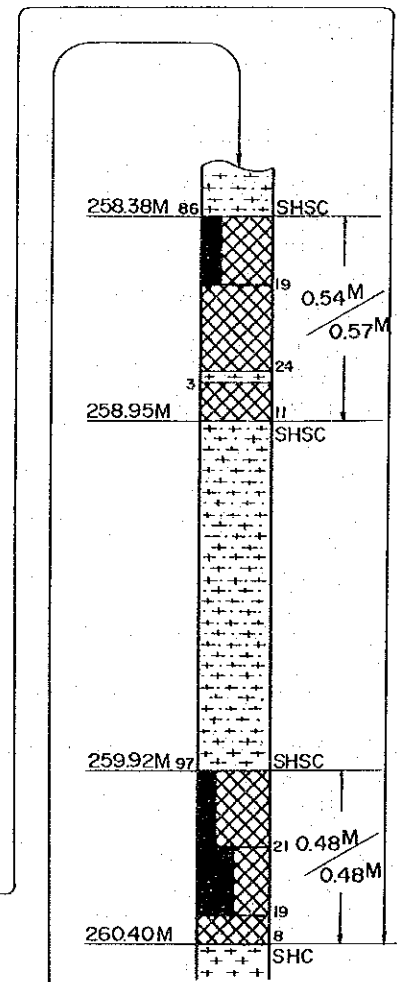


BOTTOM MARKER



MAIN SEAM

(254.42 ~ 257.52 M)

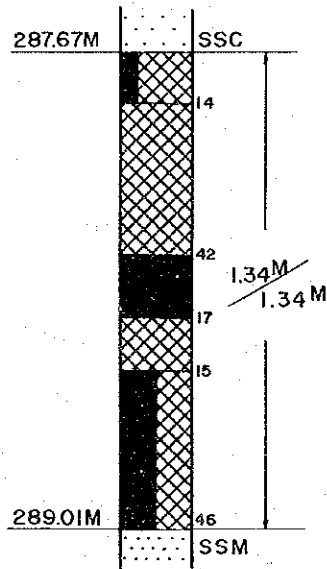
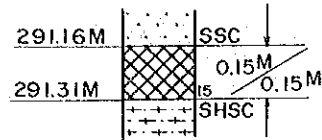
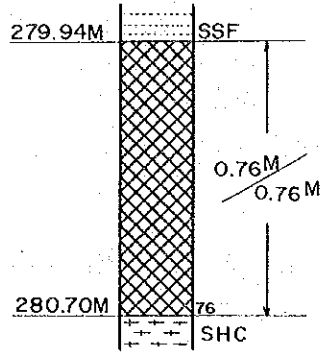




Drawing 7f-3

COAL SEAM COLUMNAR SECTION OF LD6 3/3

SCALE = 1 : 20

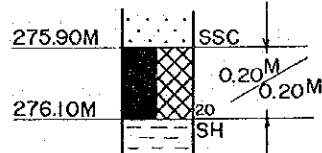
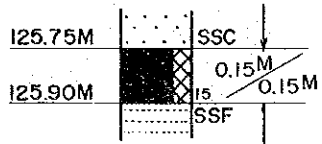
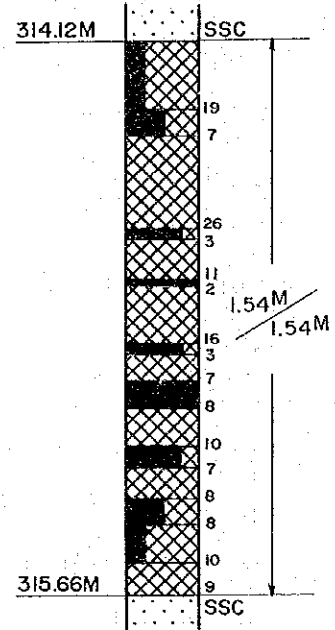
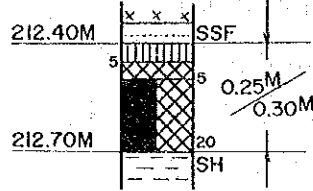
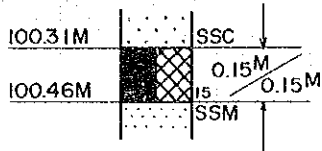


FOOTWALL 3

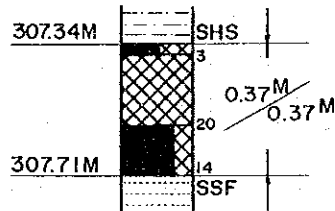
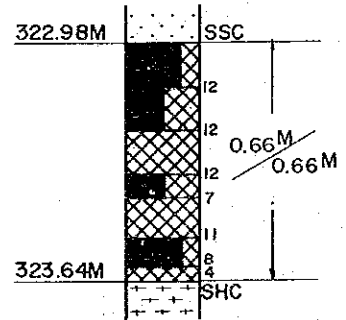
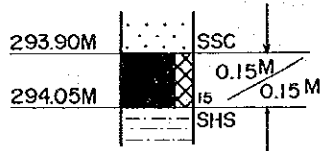
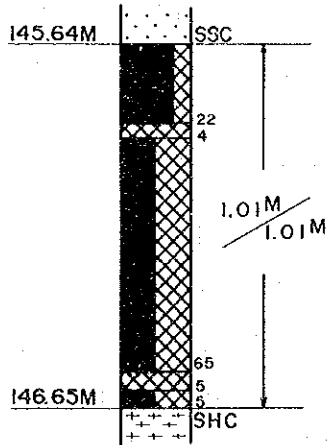
Drawing 7g

COAL SEAM COLUMNAR SECTION OF LD7

SCALE = 1 : 20



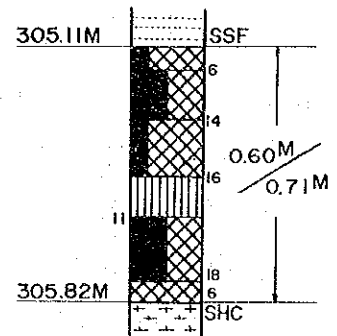
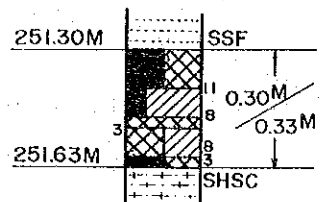
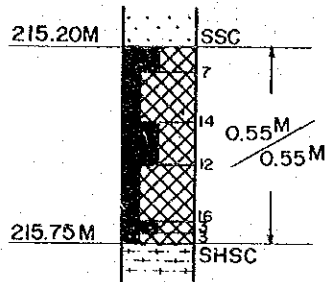
FOOTWALL 3



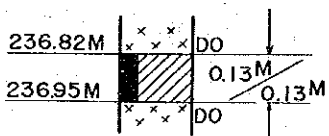
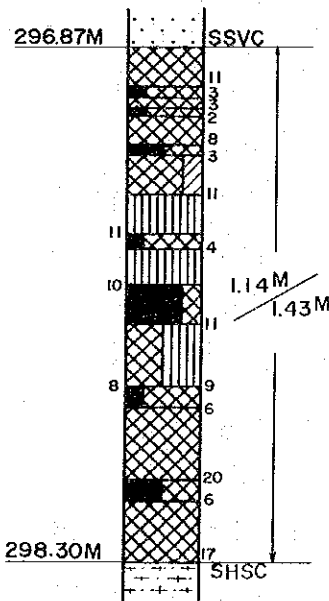
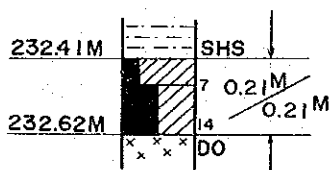
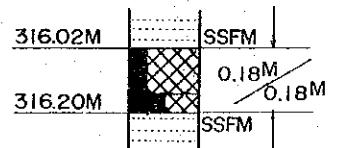
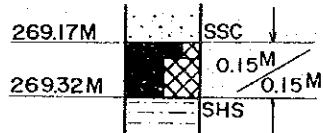
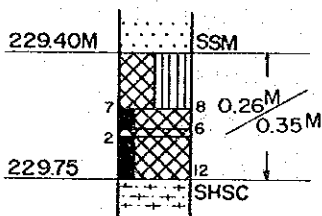
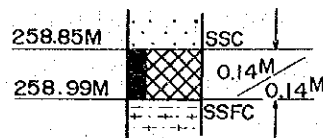
Drawing 7h-1

COAL SEAM COLUMNAR SECTION OF LD 8 1/2

SCALE = 1 : 20



BOTTOM MARKER

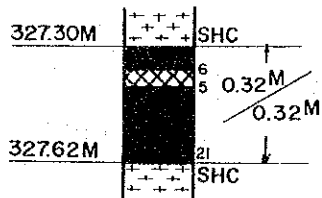
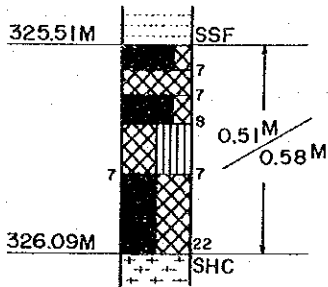
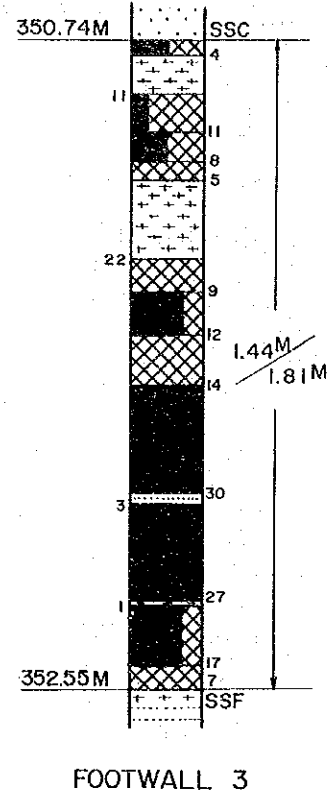
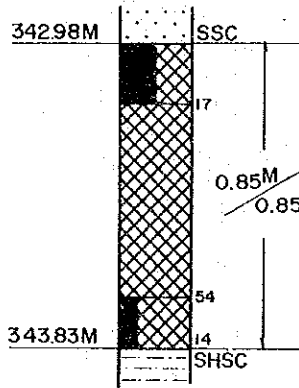
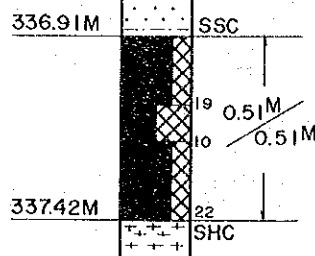
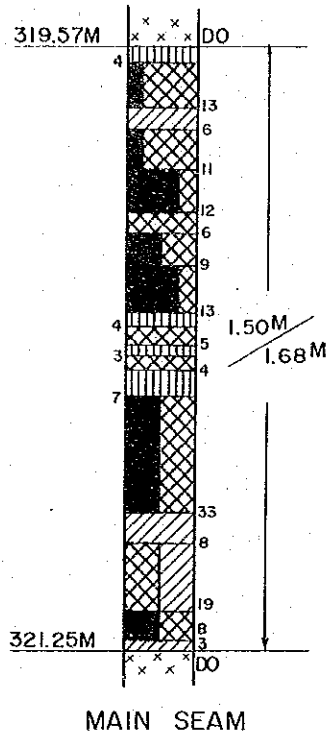


INTERMEDIATE MARKER

Drawing 7h-2

COAL SEAM COLUMNAR SECTION OF LD8 2/2

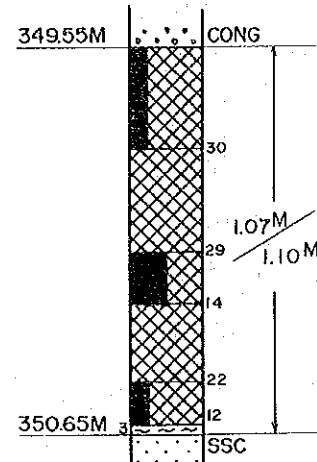
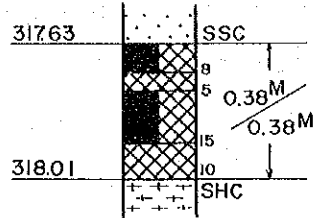
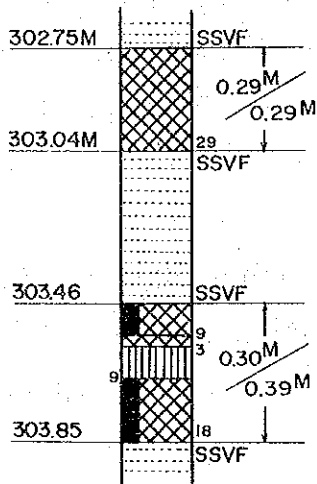
SCALE = 1 : 20



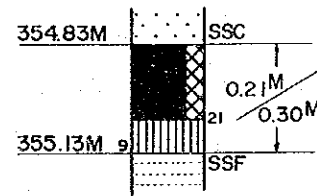
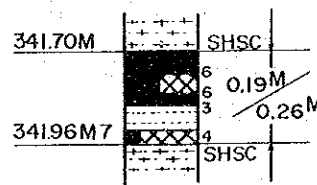
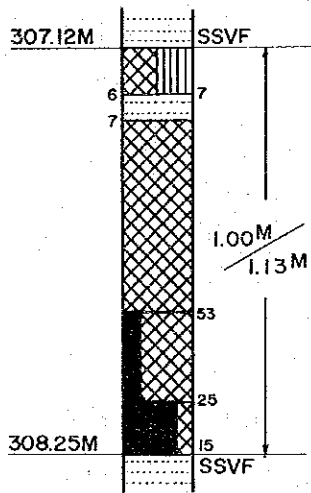
Drawing 7i

COAL SEAM COLUMNAR SECTION OF LD 9

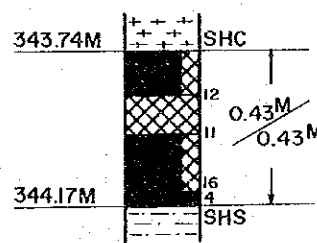
SCALE = 1 : 20



INTERMEDIATE MARKER



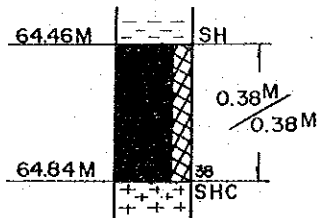
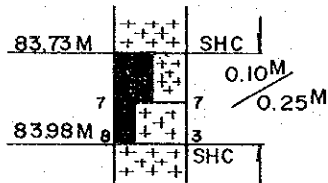
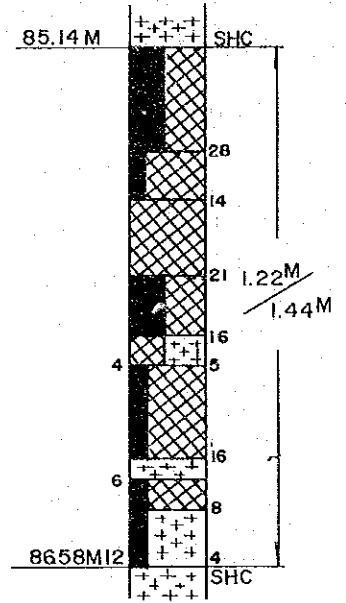
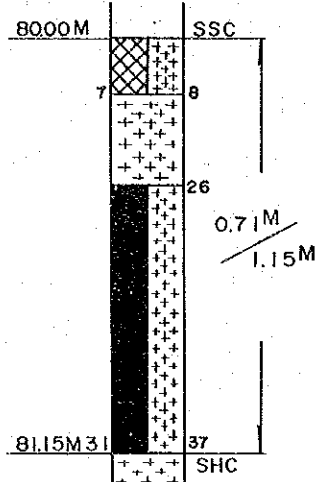
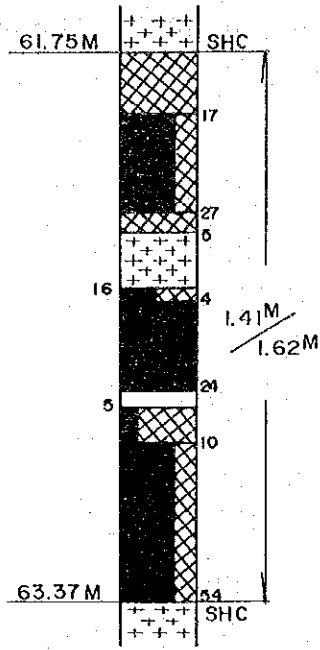
BOTTOM MARKER



UPPER COAL SEAM

Drawing 7j

COAL SEAM COLUMNAR SECTION OF LD 10  
SCALE = 1:20

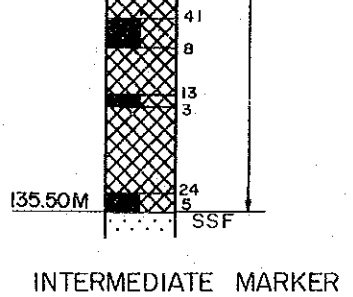
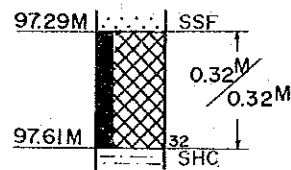
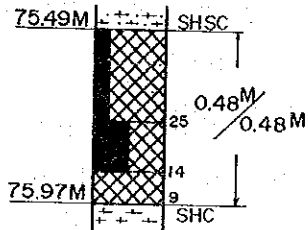
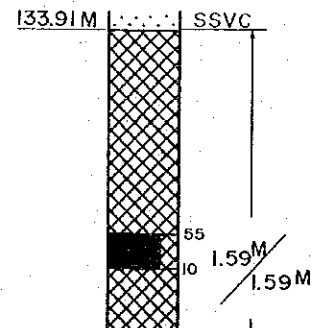
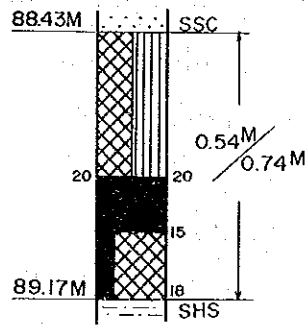
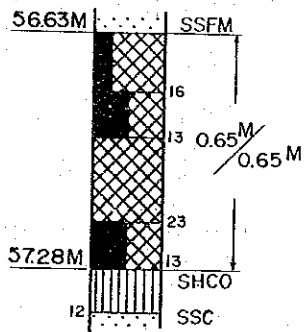
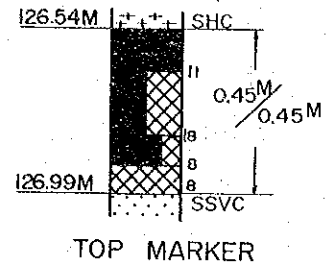
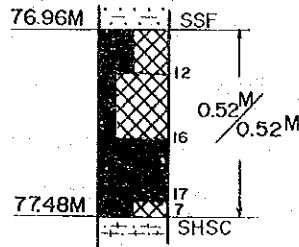
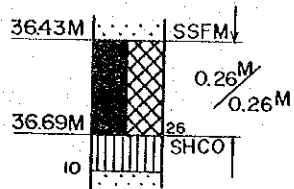




Drawing 7k-1

COAL SEAM COLUMNAR SECTION OF LD 11 1/2

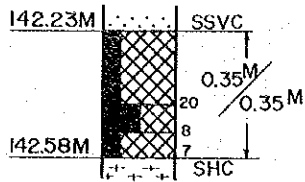
SCALE = 1 : 20



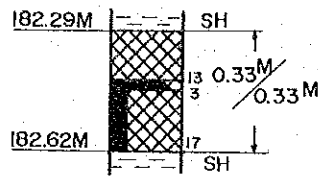
Drawing 7k-2

COAL SEAM COLUMNAR SECTION OF LD 11 2/2

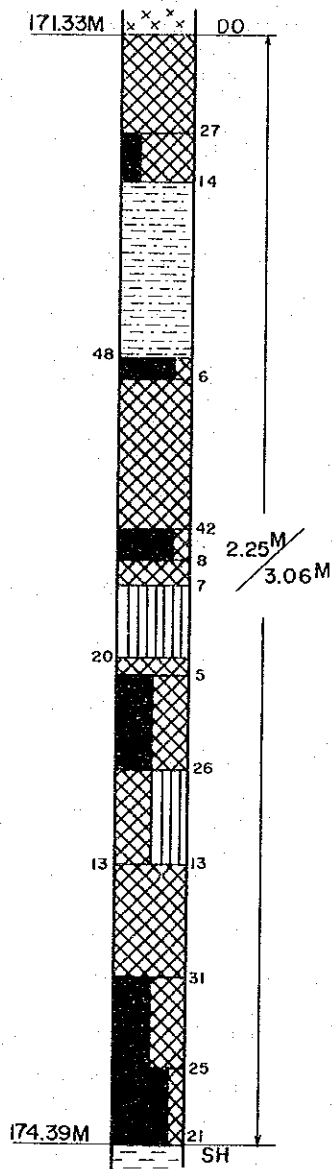
SCALE = 1:20



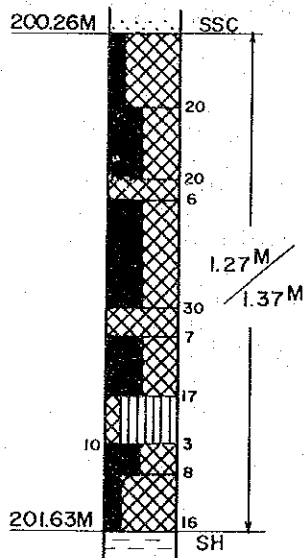
BOTTOM MARKER



FOOTWALL 3



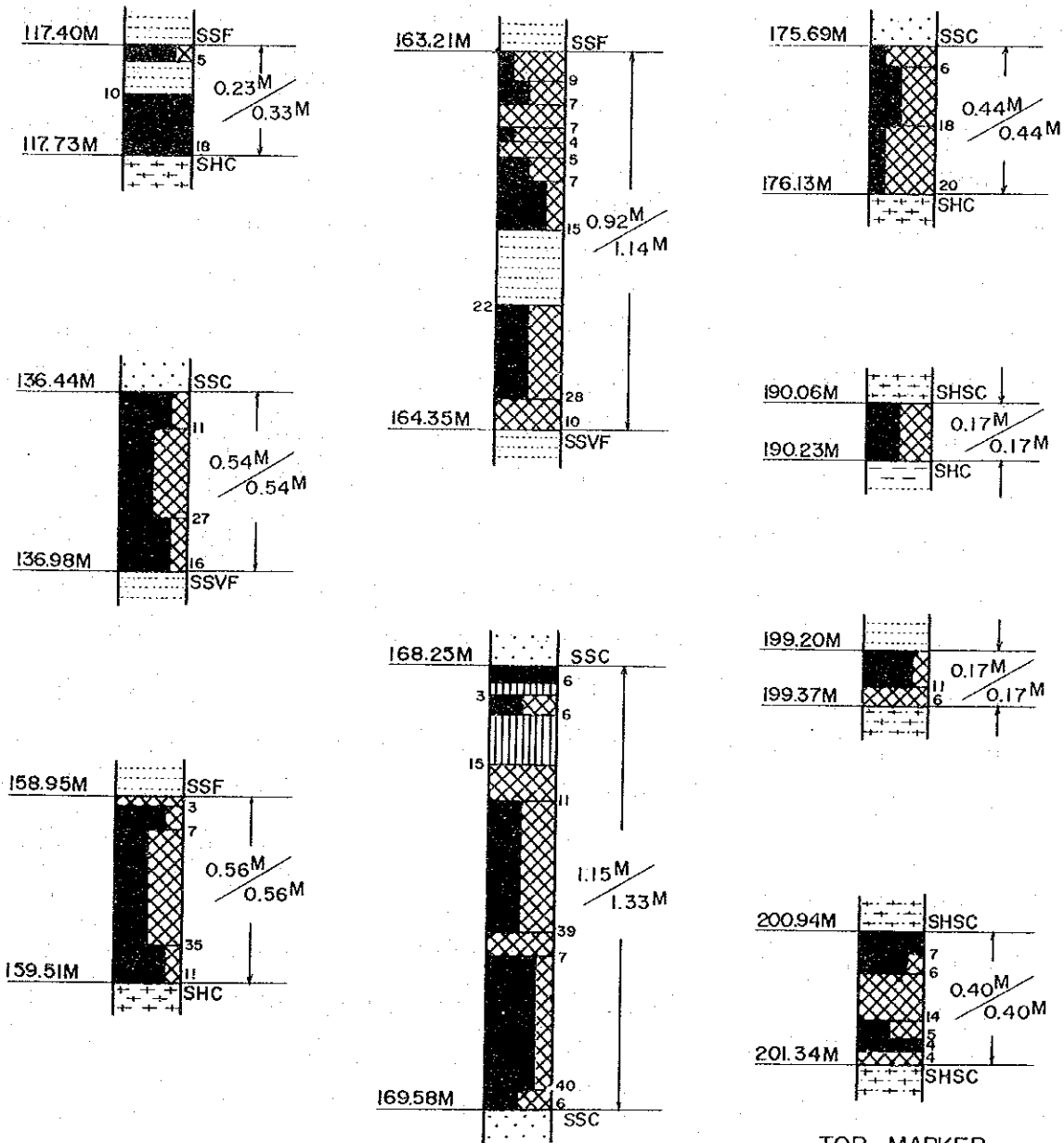
MAIN SEAM



Drawing 71-1

COAL SEAM COLUMNAR SECTION OF LD 12 1/3

SCALE = 1 : 20



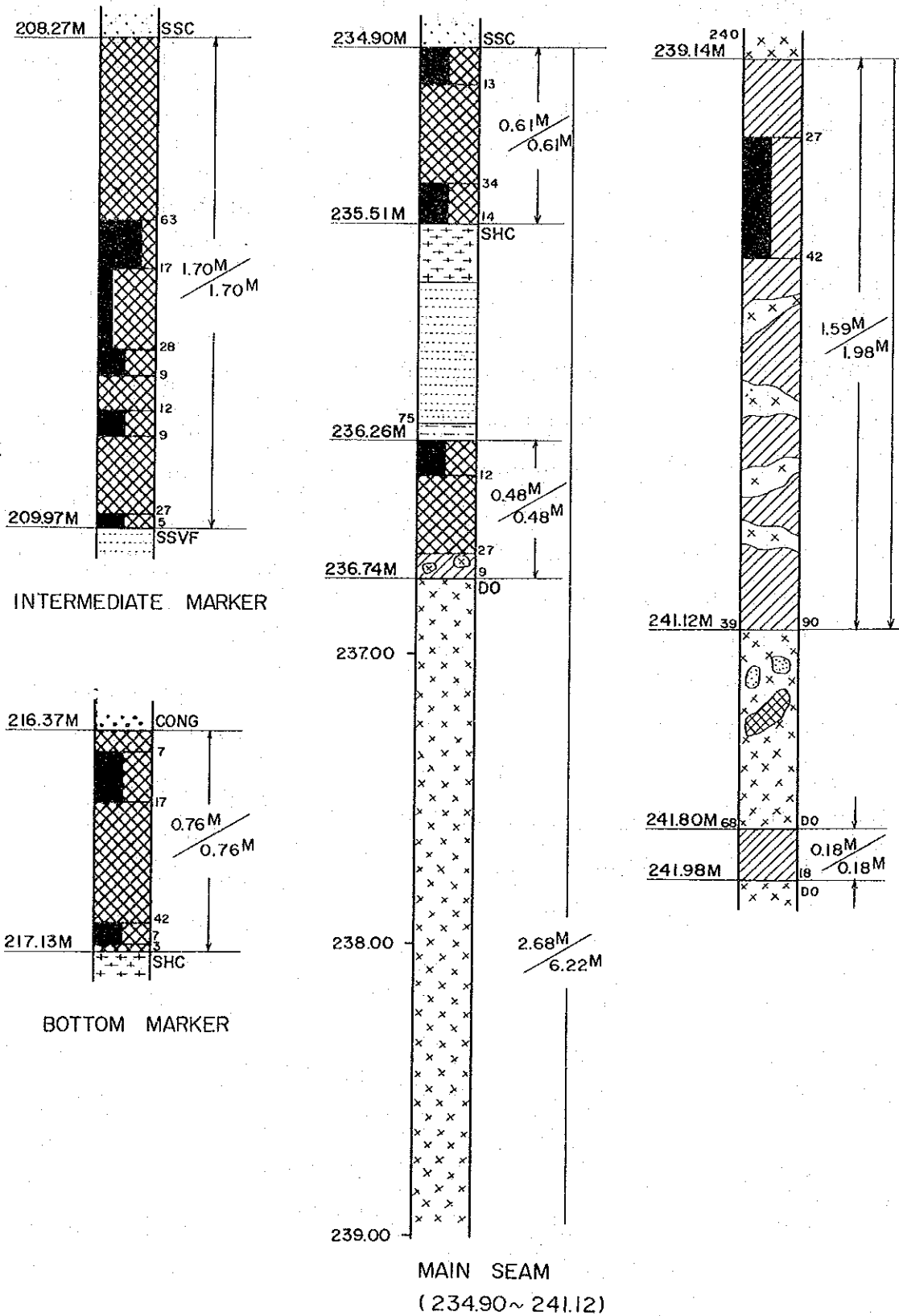
UPPER COAL SEAM

TOP MARKER

Drawing 71-2

COAL SEAM COLUMNAR SECTION OF LD 12 2/3

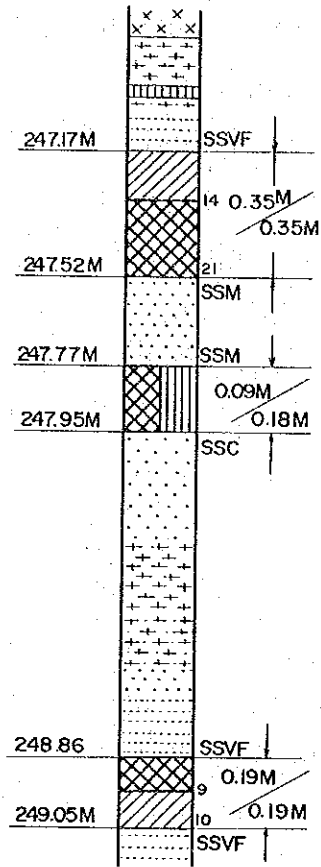
SCALE = 1 : 20



Drawing 72-3

COAL SEAM COLUMNAR SECTION OF LD12 3/3

SCALE=1:20



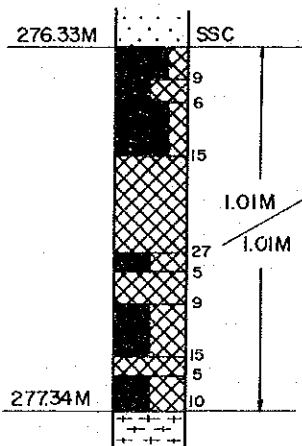
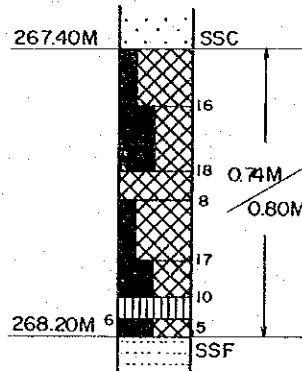
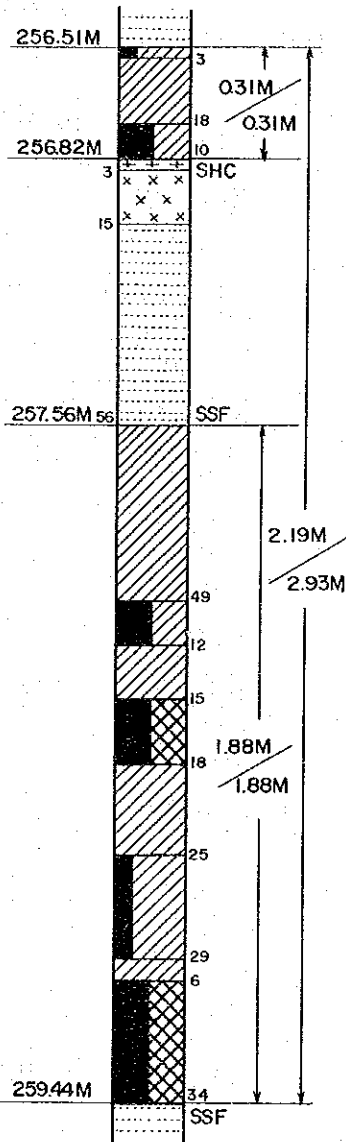
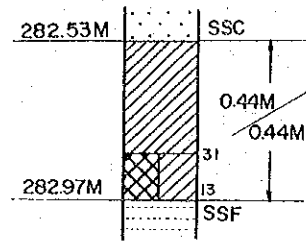
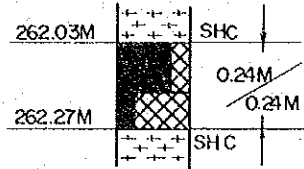
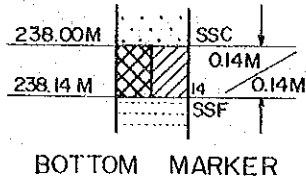




Drawing 7m-2

COAL SEAM COLUMNAR SECTION OF LD13 2/2

SCALE = 1 : 20

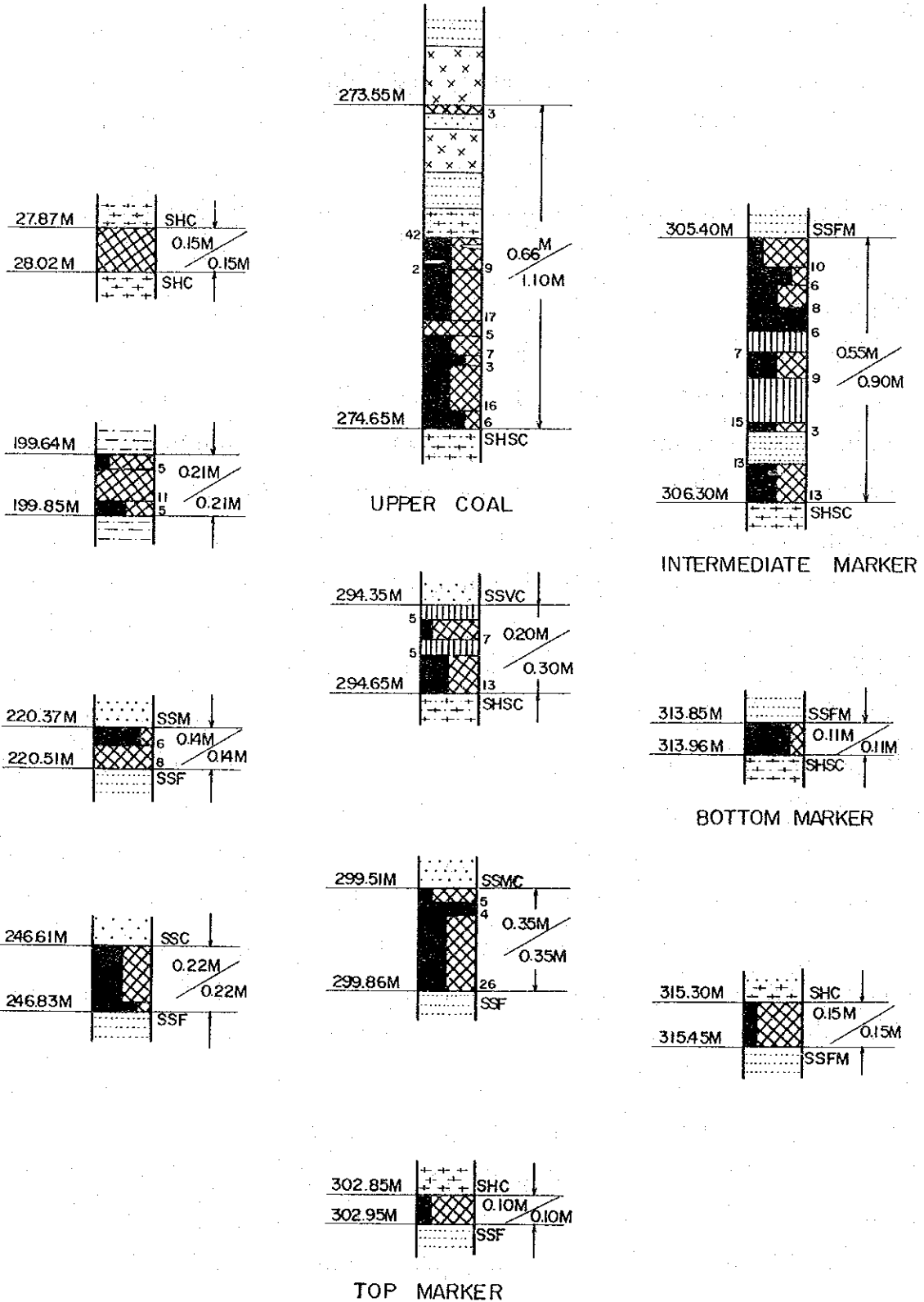


FOOTWALL 3

Drawing 7n-1

COAL SEAM COLUMNAR SECTION OF LD14 1/2

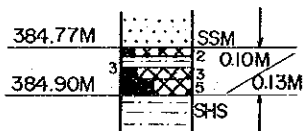
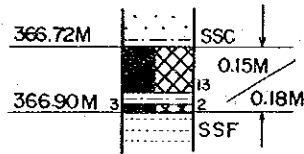
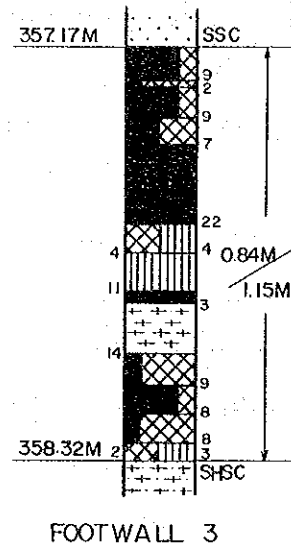
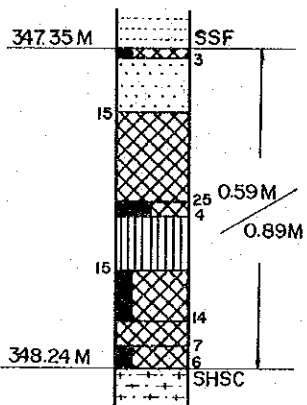
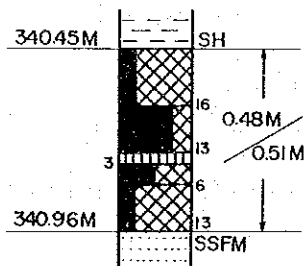
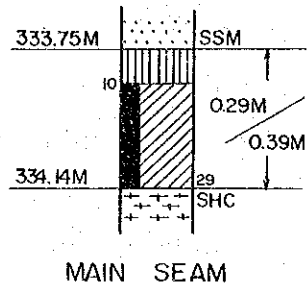
SCALE = 1 : 20



Drawing 7n-2

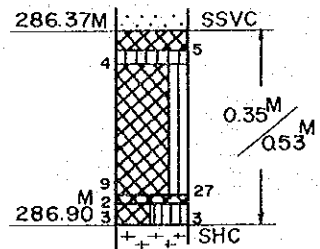
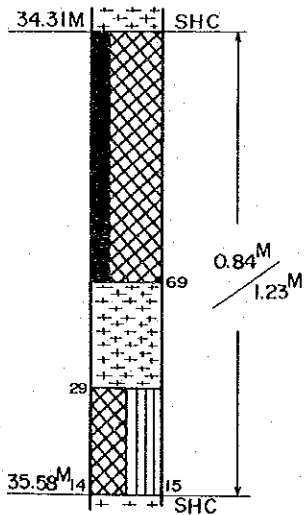
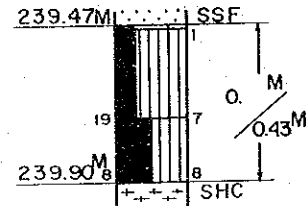
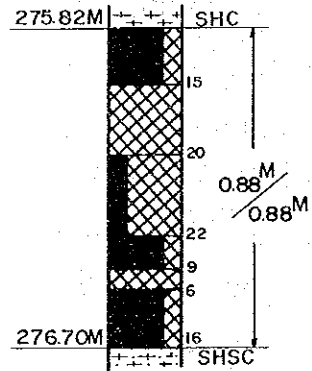
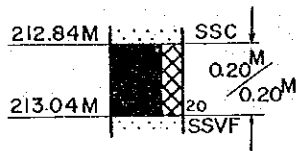
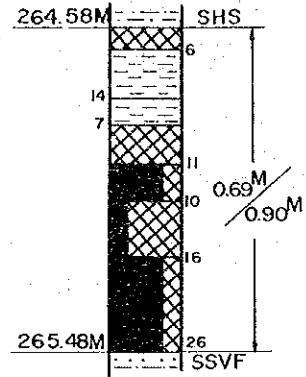
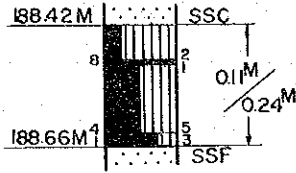
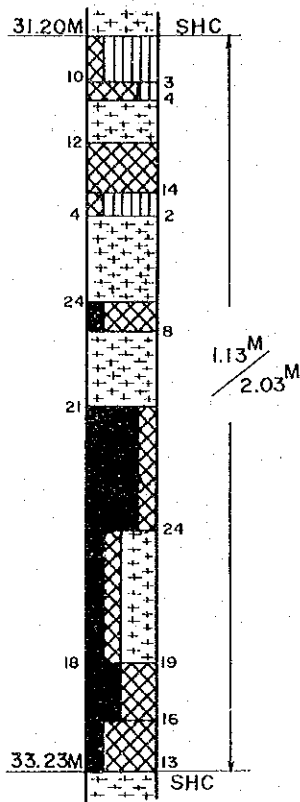
COAL SEAM COLUMNAR SECTION OF LDI4 2/2

SCALE = 1 : 20



Drawing 70-1

COAL SEAM COLUMNAR SECTION OF LD15 1/2  
SCALE = 1 : 20

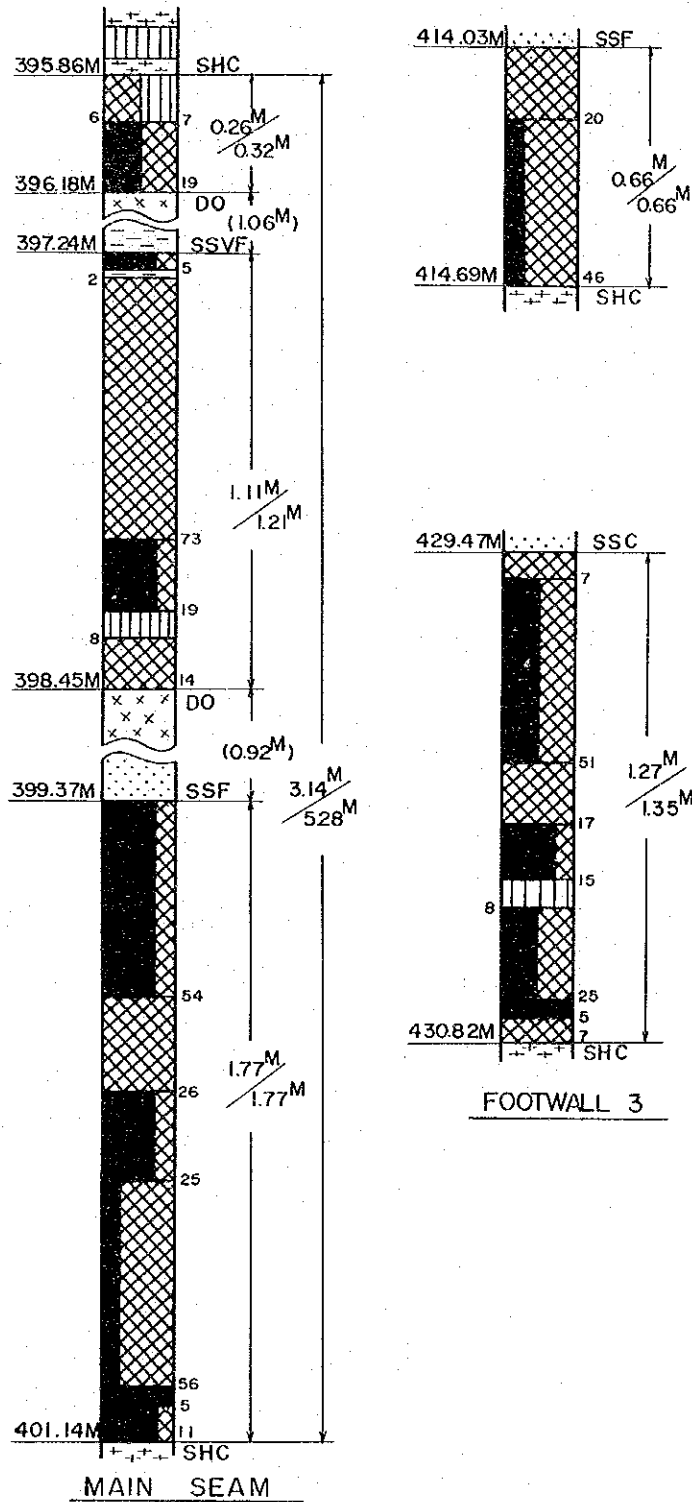


UPPER COAL

Drawing 70-2

COAL SEAM COLUMNAR SECTION OF LD15 2/2

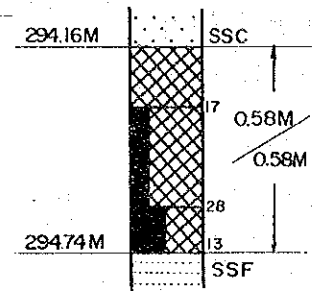
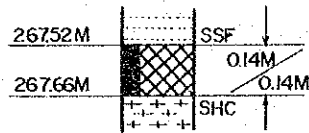
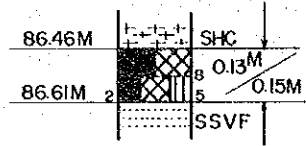
SCALE = 1:20



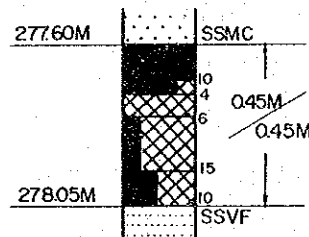
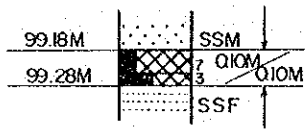
Drawing 7p-1

COAL SEAM COLUMNAR SECTION OF LDIG 1/2

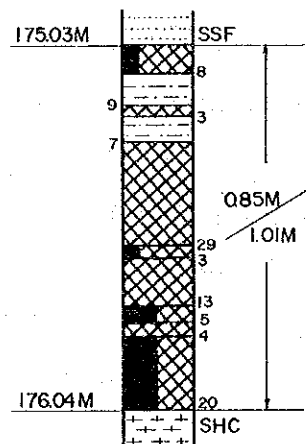
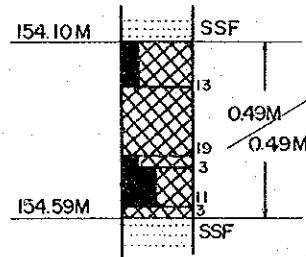
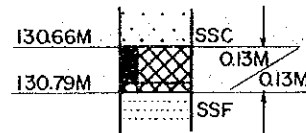
SCALE = 1 : 20



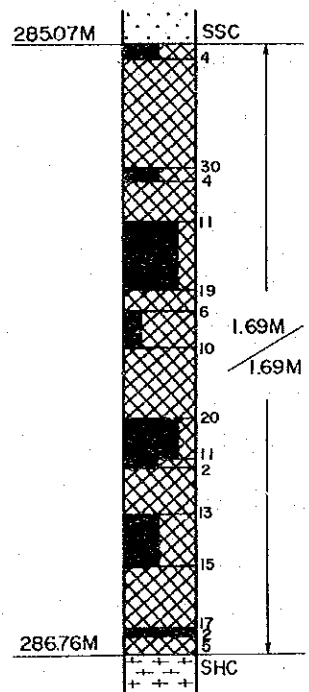
BOTTOM MARKER



TOP MARKER



UPPER COAL SEAM

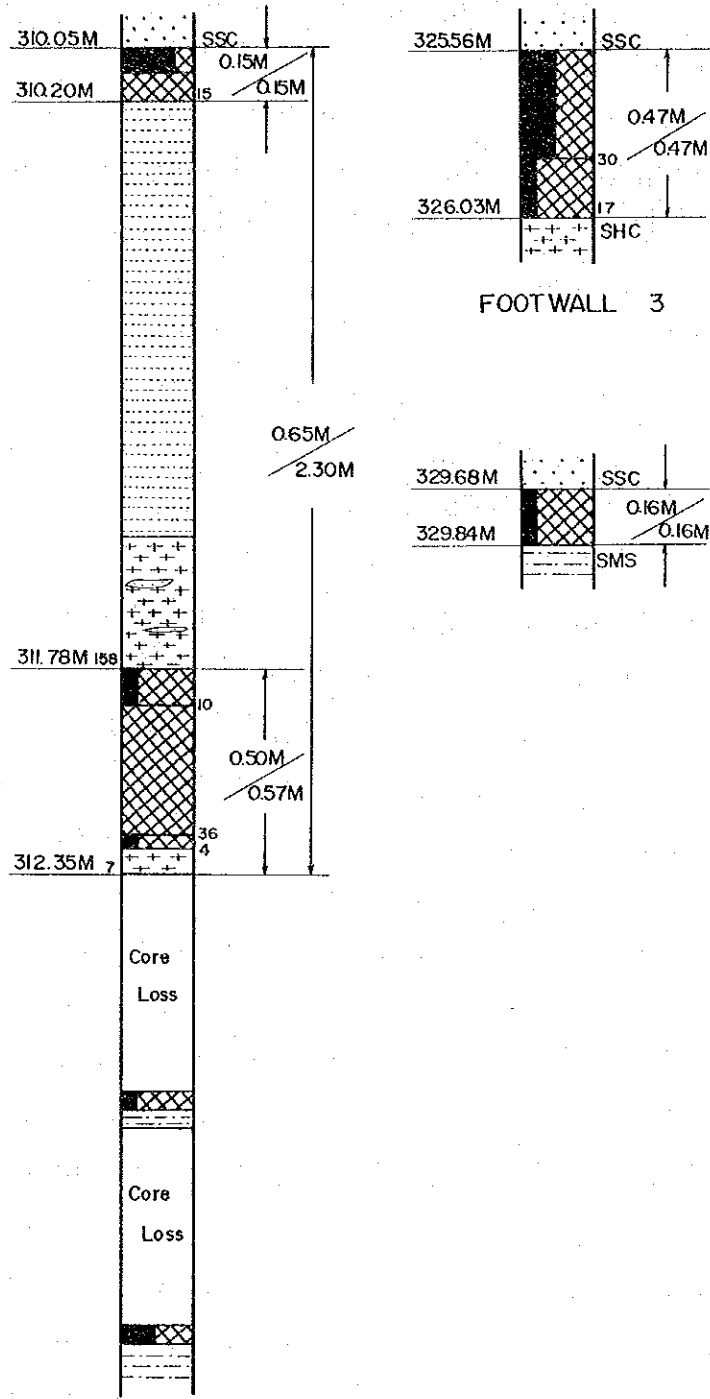


INTERMEDIATE MARKER

Drawing 7p-2

COAL SEAM COLUMNAR SECTION OF LD16 2/2

SCALE = 1 : 20

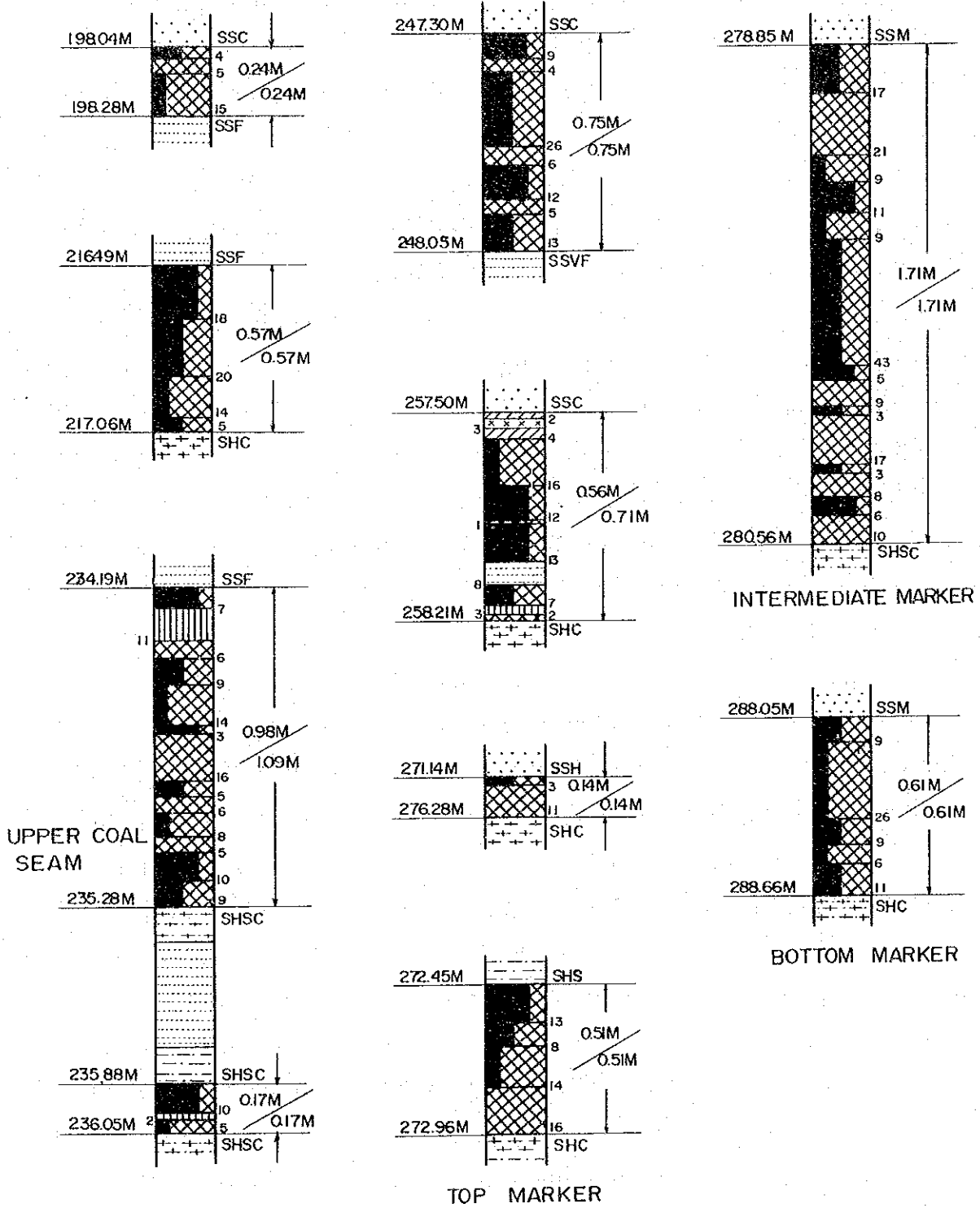


MAIN SEAM  
(310.05M ~ 312.35M)

Drawing 7q-1

COAL SEAM COLUMNAR SECTION OF LDI7 1/3

SCALE = 1 : 20

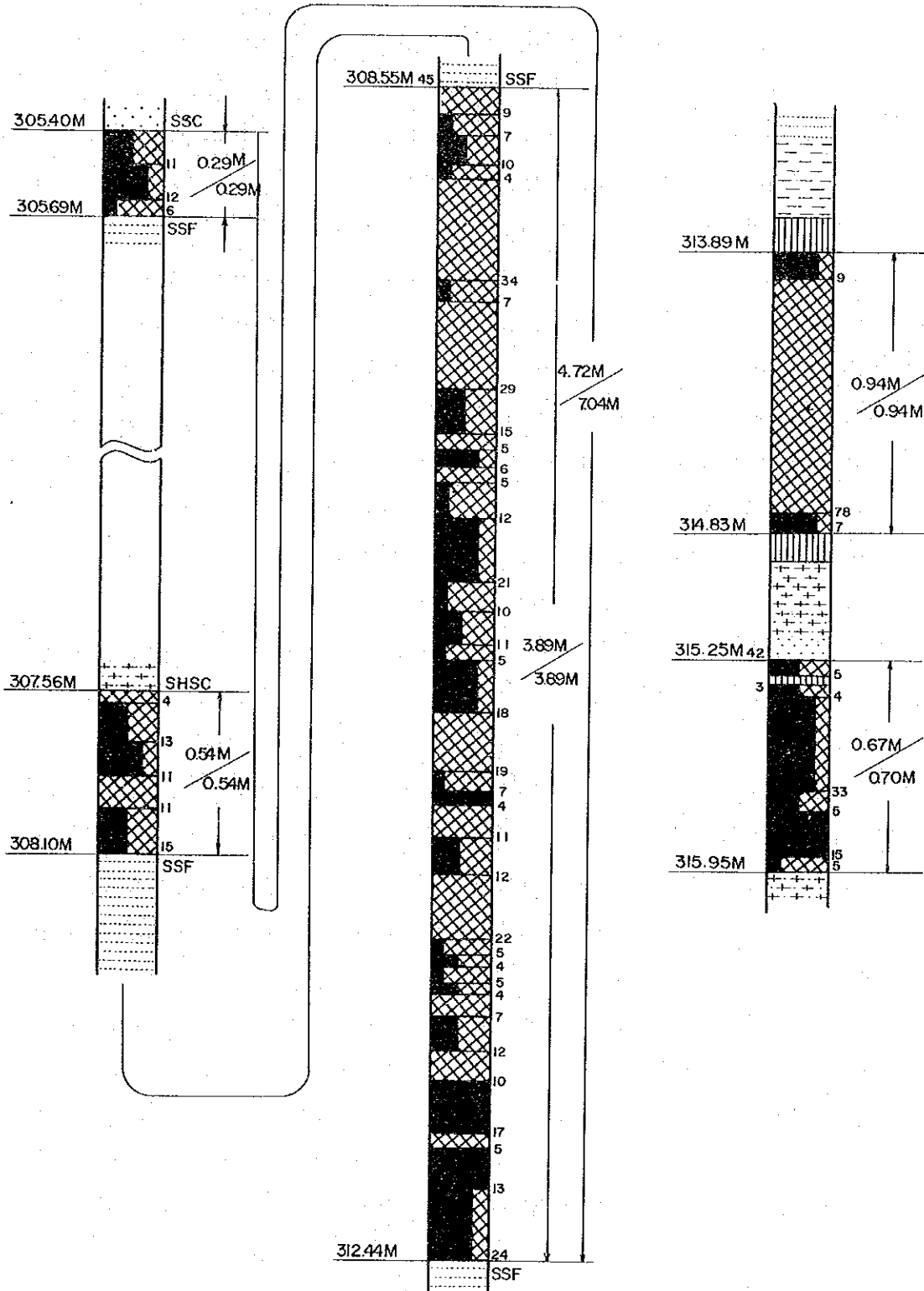




Drawing 7q-2

COAL SEAM COLUMNAR SECTION OF LD17 2/3

SCALE = 1:20

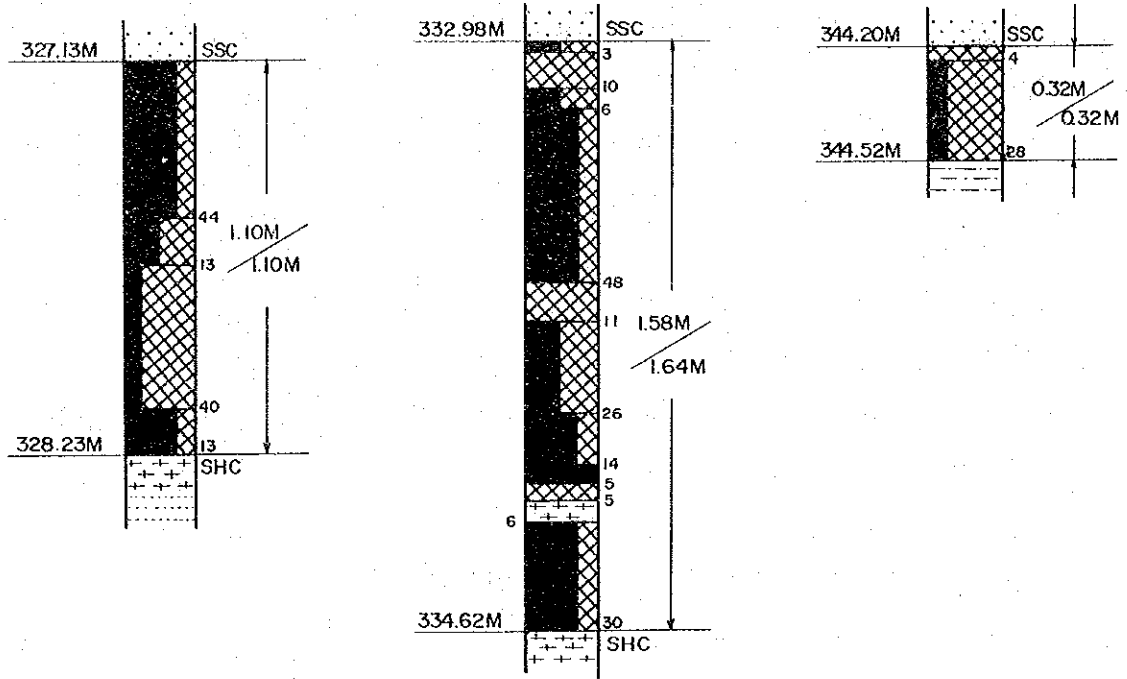


MAIN SEAM (305.40M~312.44M)

Drawing 7q-3

COAL SEAM COLUMNAR SECTION OF LD17 3/3

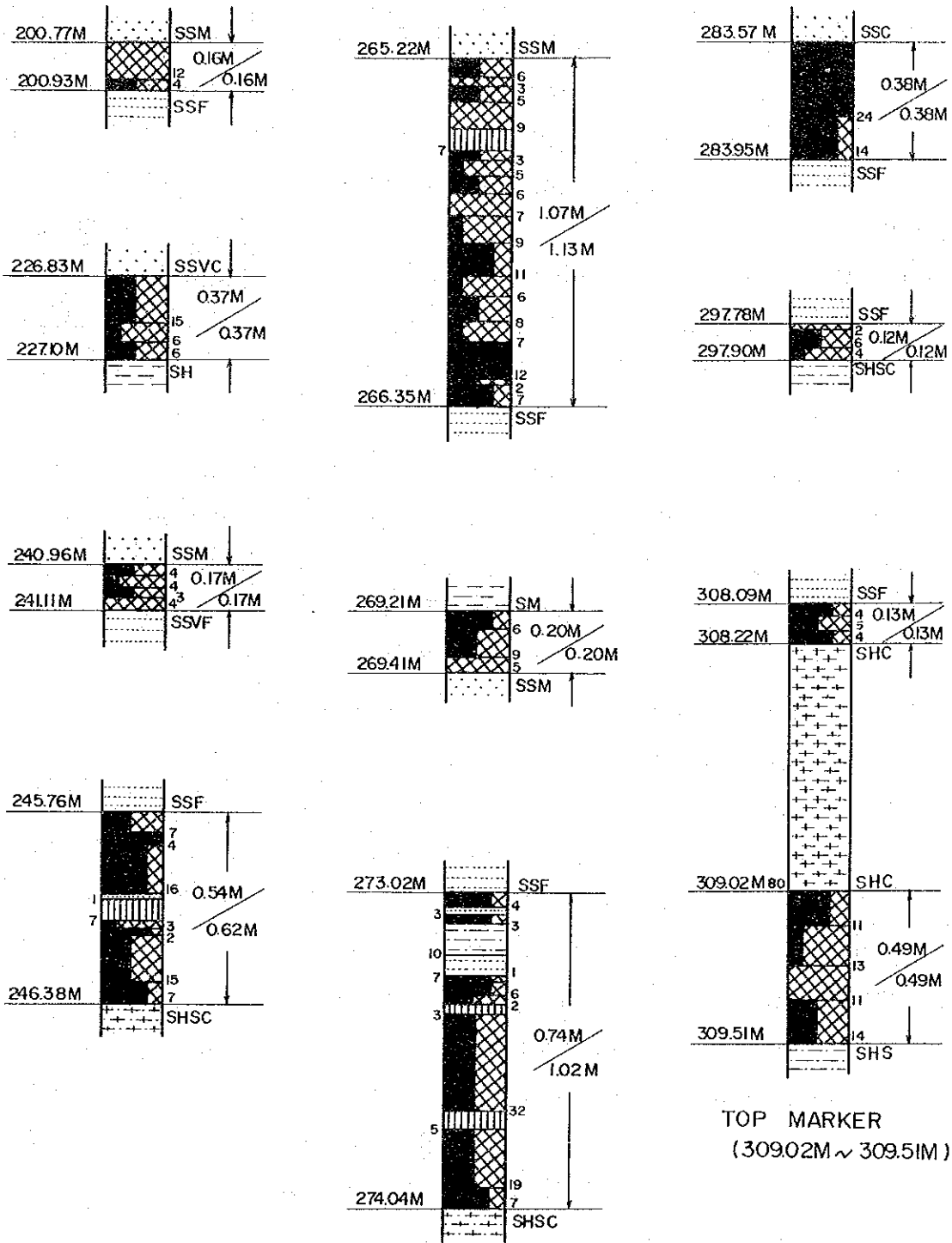
SCALE = 1:20



FOOTWALL 3

Drawing 7r-1

COAL SEAM COLUMNAR SECTION OF LD18 1/3  
SCALE = 1 : 20

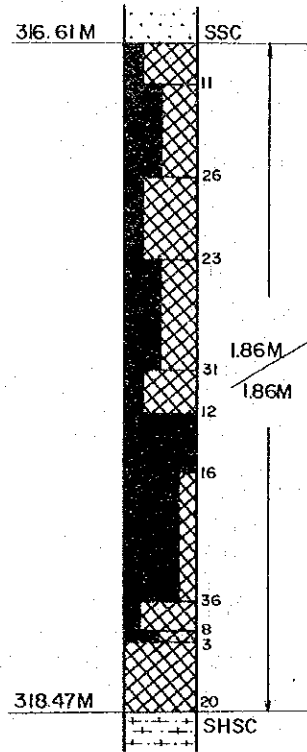


UPPER COAL SEAM

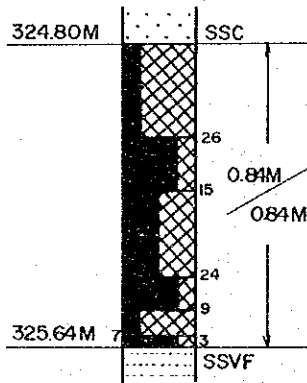
Drawing 7r-2

COAL SEAM COLUMNAR SECTION OF LD18 - 2/3

SCALE = 1:20



INTERMEDIATE MARKER

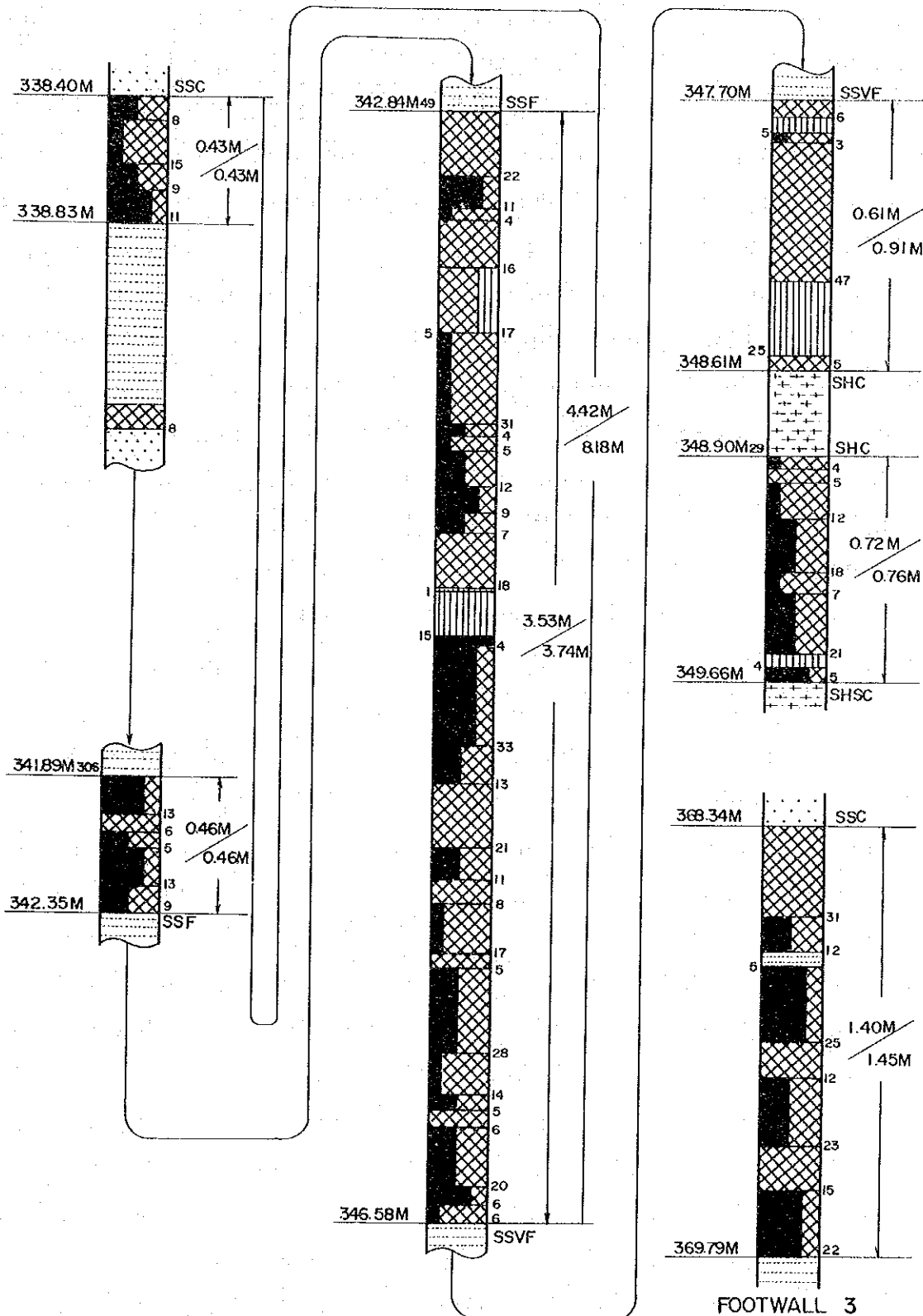


BOTTOM MARKER

Drawing 7r-3

COAL SEAM COLUMNAR SECTION OF LD18 3/3

SCALE = 1 : 20



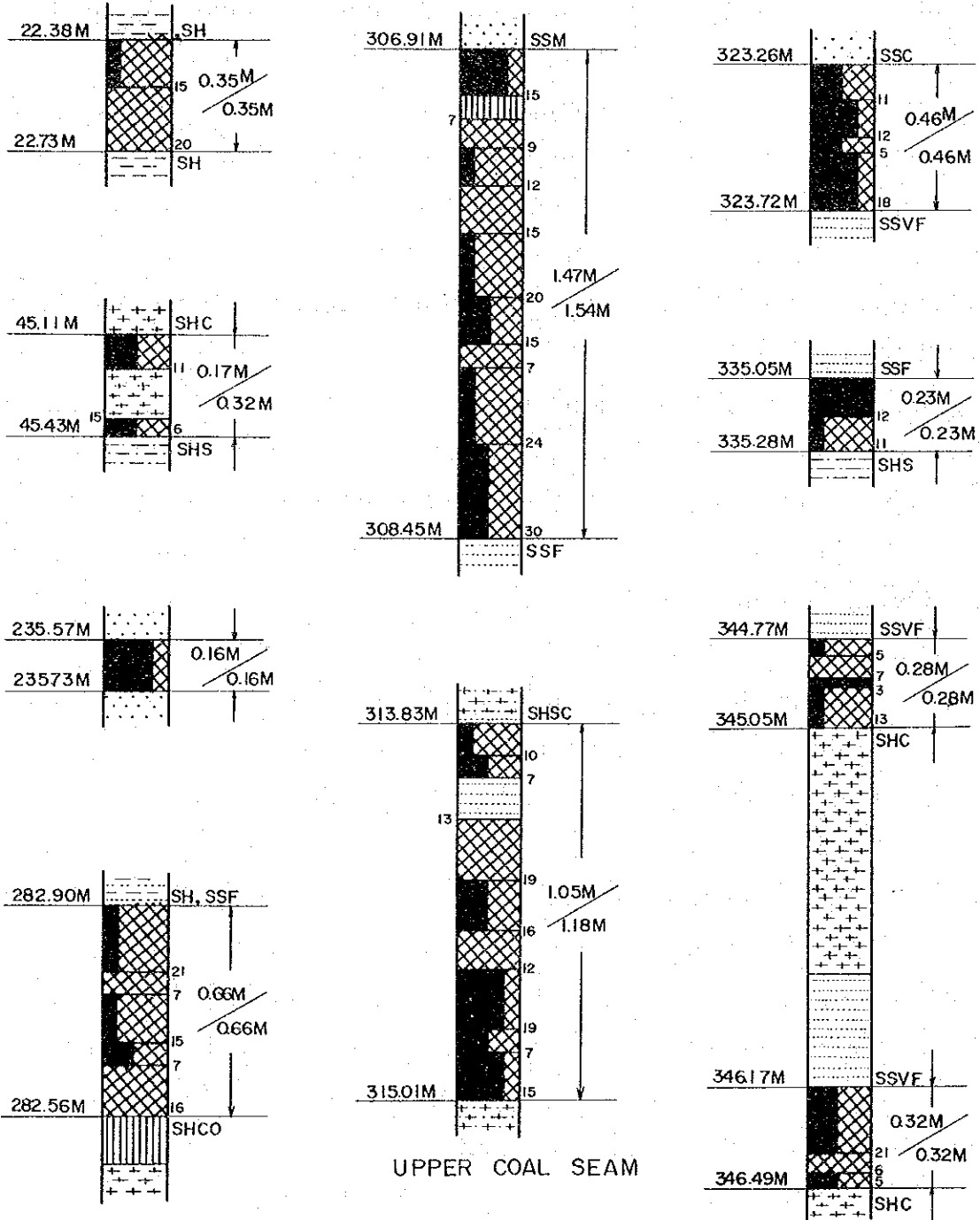
MAIN SEAM ( 338.40M~ 346.58M)

FOOTWALL 3

Drawing 7s-1

COAL SEAM COLUMNAR SECTION OF LDI9 1/3

SCALE = 1:20



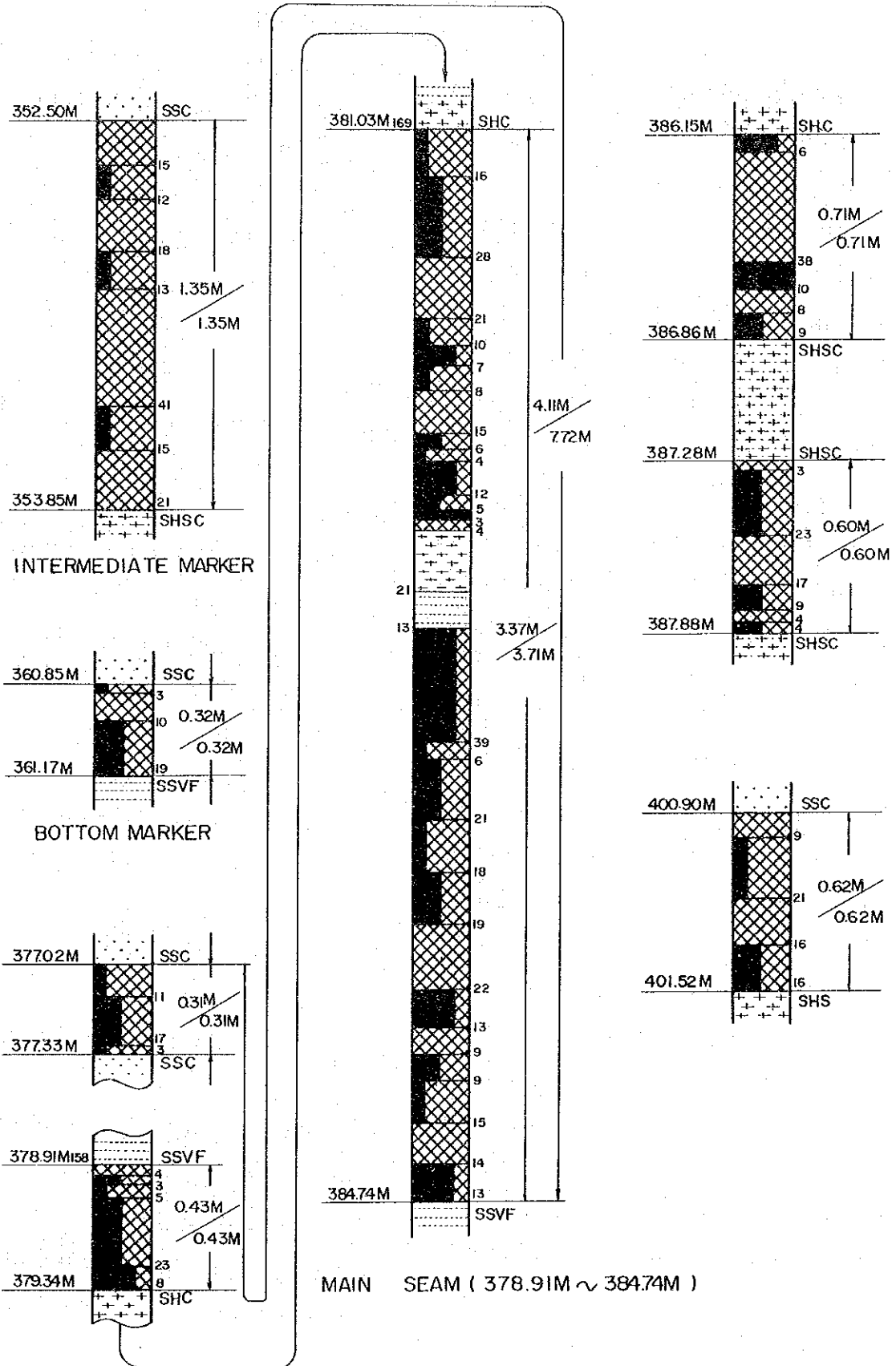
UPPER COAL SEAM

TOP MARKER  
(346.17M ~ 346.49M)

Drawing 7s-2

COAL SEAM COLUMNAR SECTION OF LD19 2/3

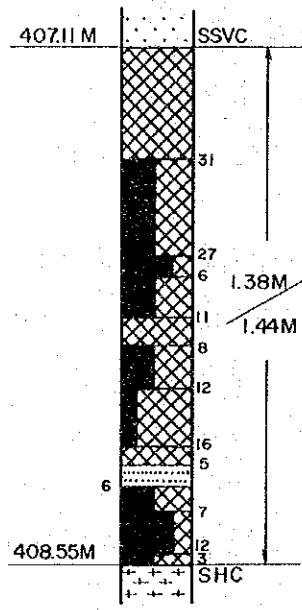
SCALE = 1:20



Drawing 7s-3

COAL SEAM COLUMNAR SECTION OF LD 19 3/3

SCALE = 1 : 20



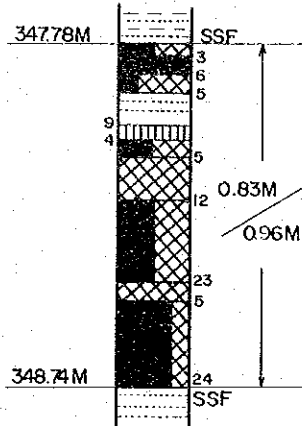
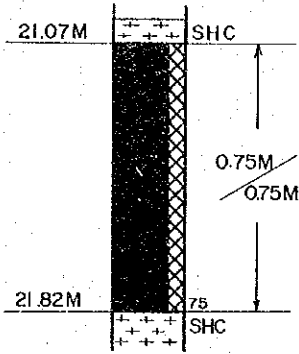
FOOTWALL 3



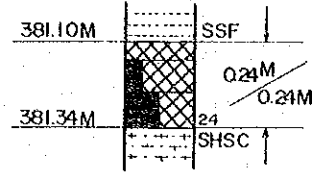
Drawing 71-1

COAL SEAM COLUMNAR SECTION OF LD 20 1/2

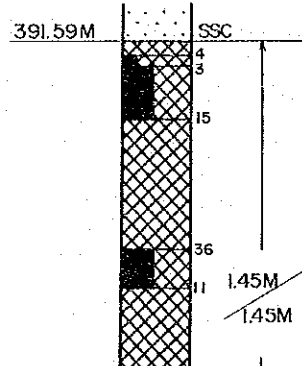
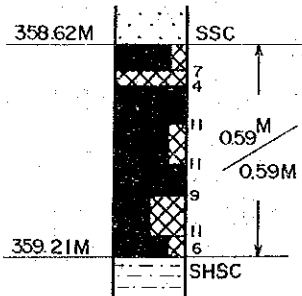
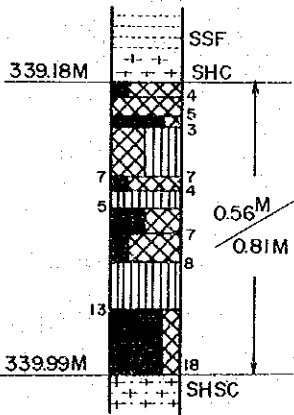
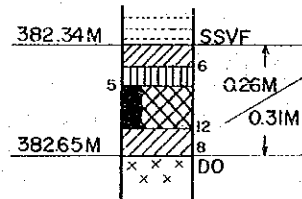
SCALE = 1 : 20



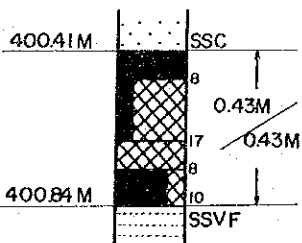
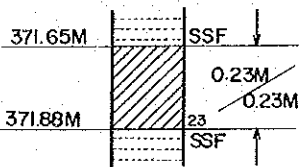
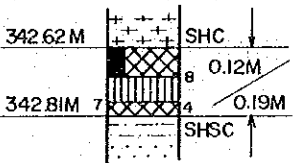
UPPER COAL



TOP MARKER



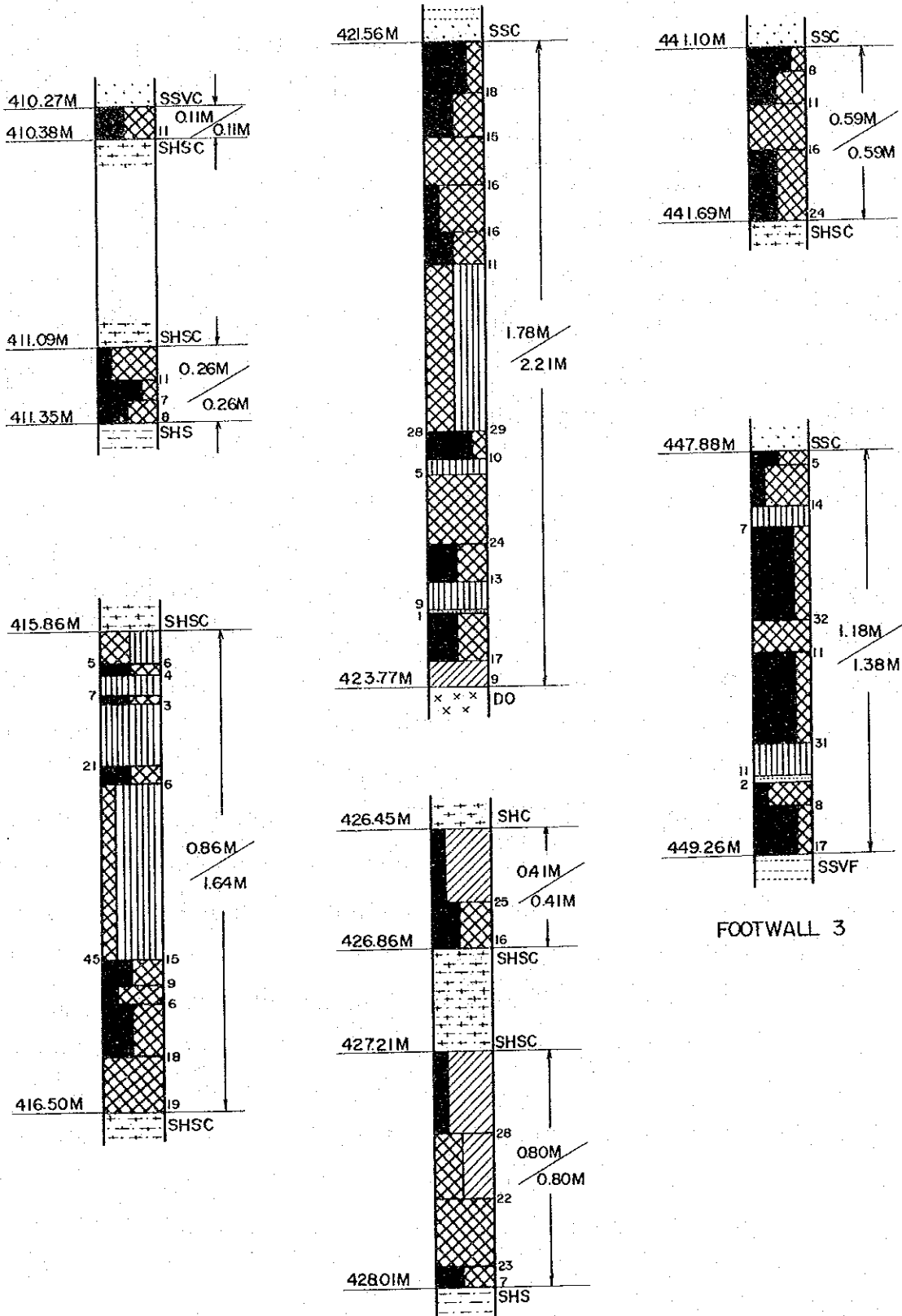
INTERMEDIATE MARKER



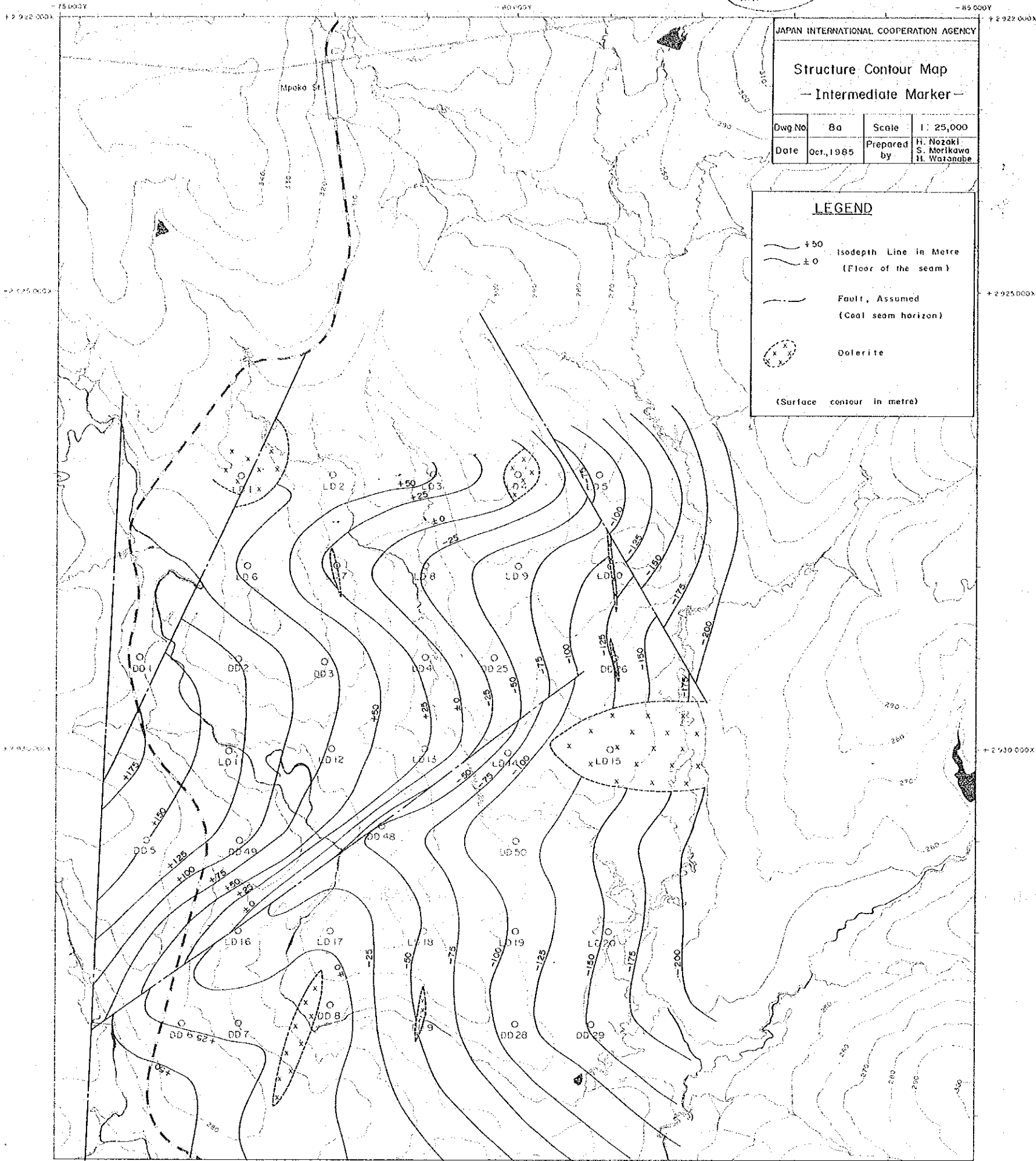
BOTTOM MARKER

Drawing 71-2

COAL SEAM COLUMNAR SECTION OF LD 20 2/2  
SCALE = 1:20



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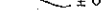
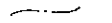
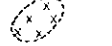
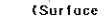


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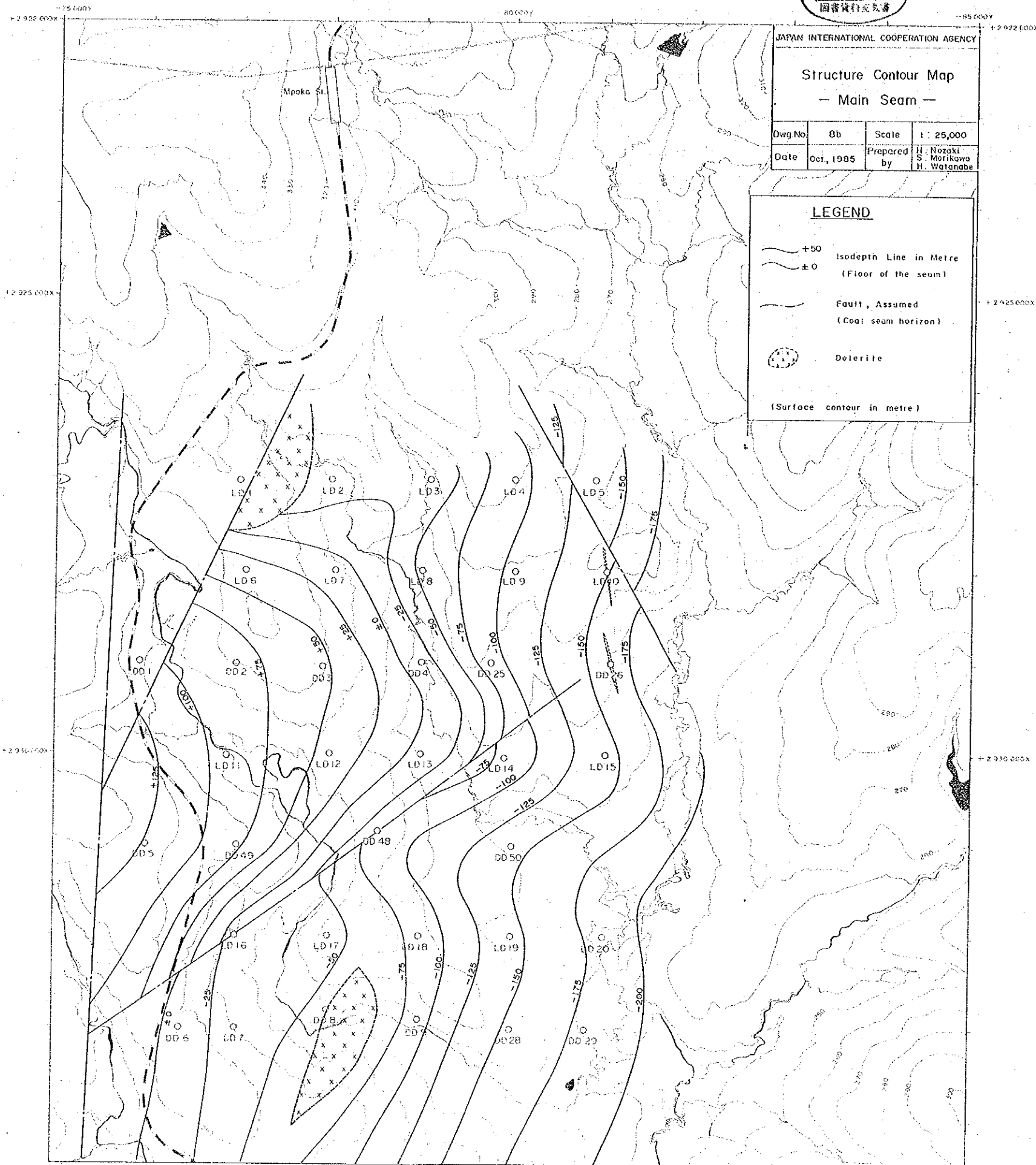
Structure Contour Map  
- Intermediate Marker -

Dwg No	Ba	Scale	1: 25,000
Date	Oct., 1985	Prepared by	H. Nozaki S. Morikawa H. Watanabe

LEGEND

-  +50 Isodepth Line in Metre
-  ± 0 (Floor of the seam)
-  Fault, Assumed (Coal seam horizon)
-  Dolerite
-  (Surface contour in metre)

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Structure Contour Map  
— Main Seam —

Dwg No.	8b	Scale	1 : 25,000
Date	Oct, 1985	Prepared by	H. Nozaki S. Morikawa H. Watanabe

LEGEND

- +50 Isodepth Line in Metre
- ±0 (Floor of the seam)
- Fault, Assumed (Coal seam horizon)
- Dolerite
- (Surface contour in metre)

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




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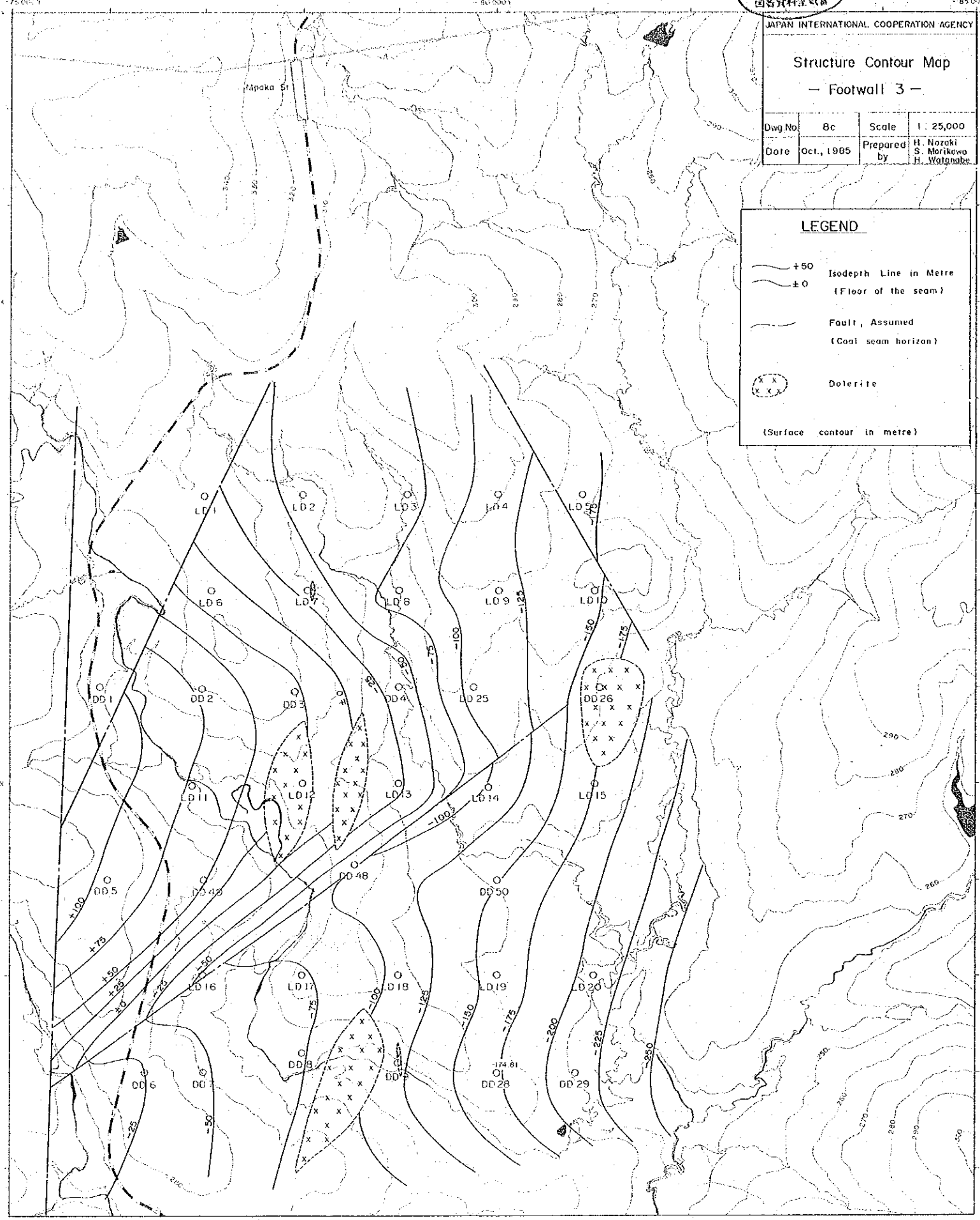
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### Structure Contour Map - Footwall 3 -

Dwg No.	8c	Scale	1: 25,000
Date	Oct., 1965	Prepared by	H. Nozaki S. Morikawa H. Watanabe

#### LEGEND

-  +50 Isodepth Line in Metre
-  ±0 (Floor of the seam)
-  Fault, Assumed (Coal seam horizon)
-  Dolerite
-  (Surface contour in metre)



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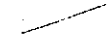
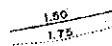
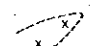
INTERNATIONAL COOPERATION AGENCY

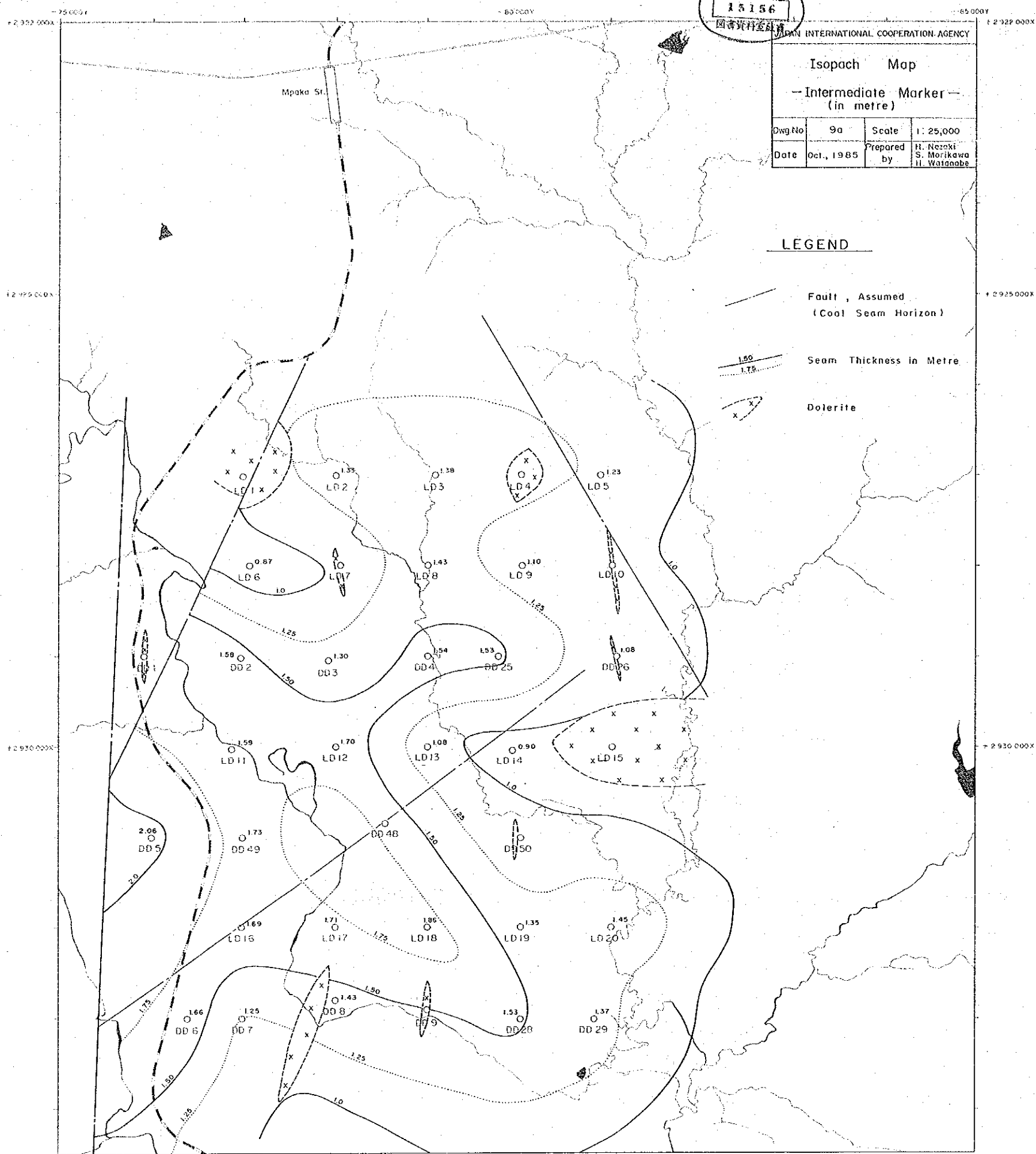
Isopach Map

— Intermediate Marker —  
(in metre)

Dwg No	9a	Scale	1:25,000
Date	Oct., 1985	Prepared by	H. Nozaki S. Morikawa H. Watanabe

LEGEND

-  Fault, Assumed  
(Coal Seam Horizon)
-  Seam Thickness in Metre
-  Dolerite








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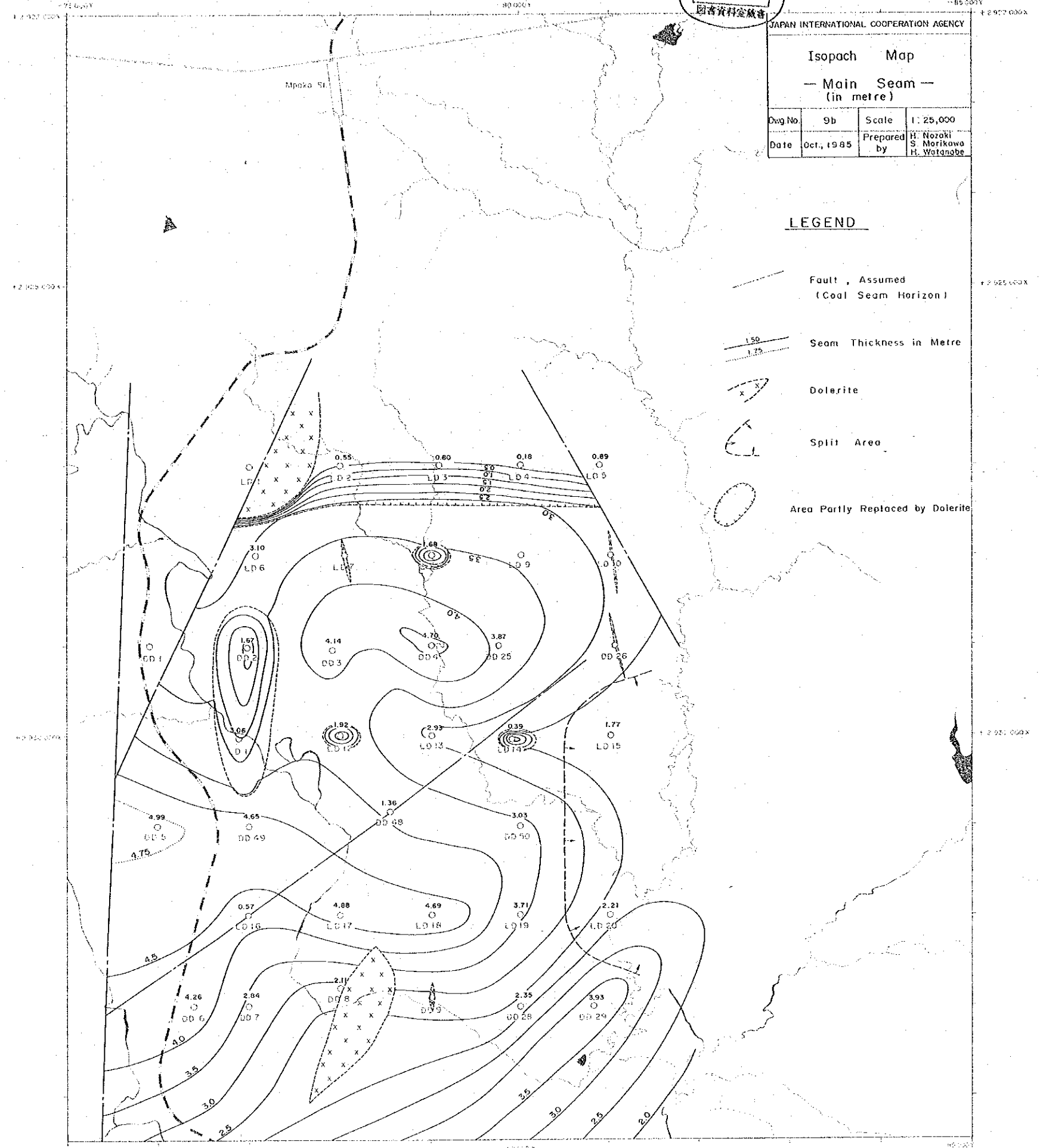
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Isopach Map  
— Main Seam —  
(in metre)

Dwg No.	9b	Scale	1:25,000
Date	Oct, 1985	Prepared by	H. Nozaki S. Morikawa H. Watanabe

LEGEND

-  Fault, Assumed  
(Coal Seam Horizon)
-  Seam Thickness in Metre
-  Dolerite
-  Split Area
-  Area Partly Replaced by Dolerite






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図書資料室

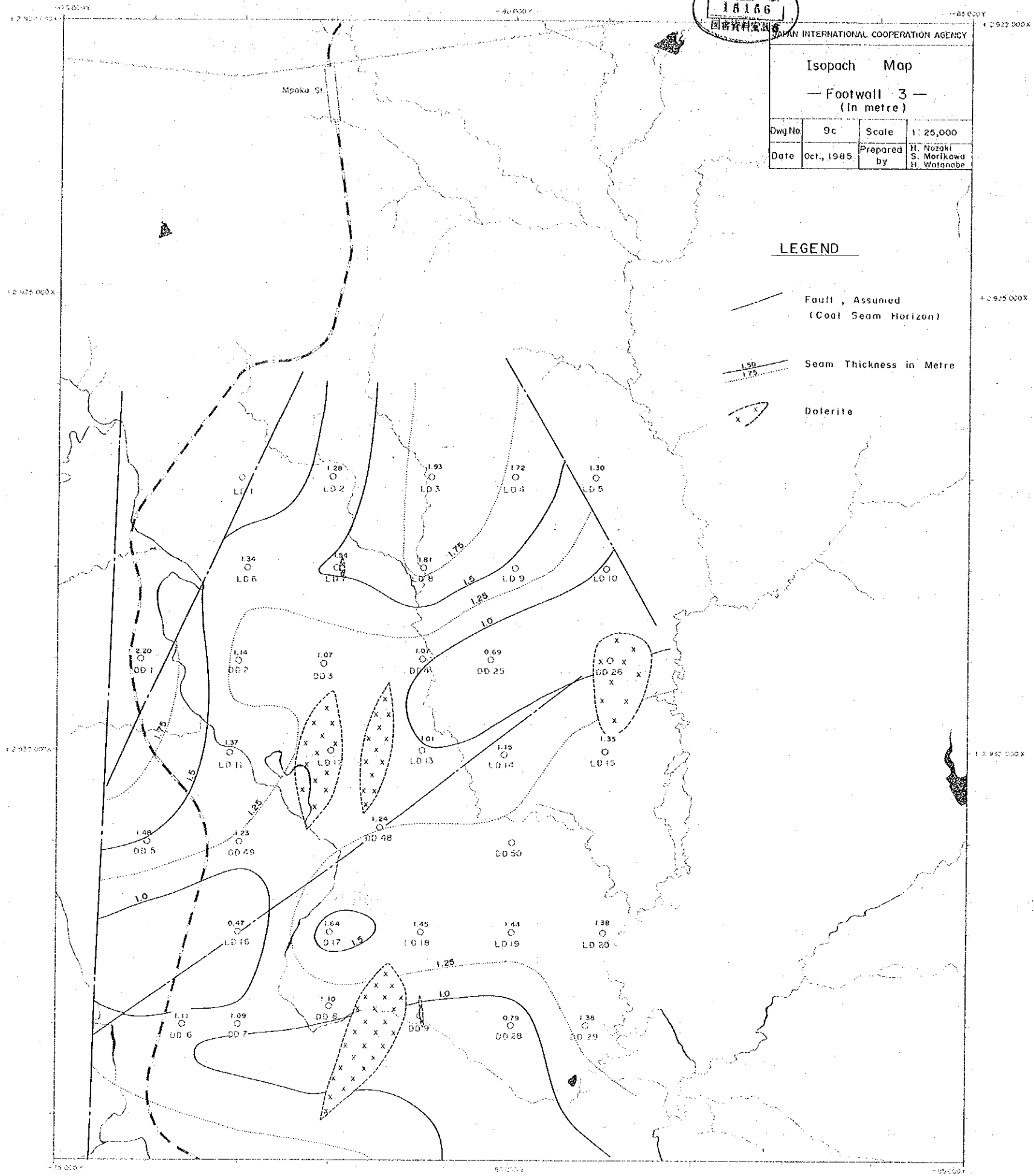
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Isopach Map  
— Footwall 3 —  
(In metre)

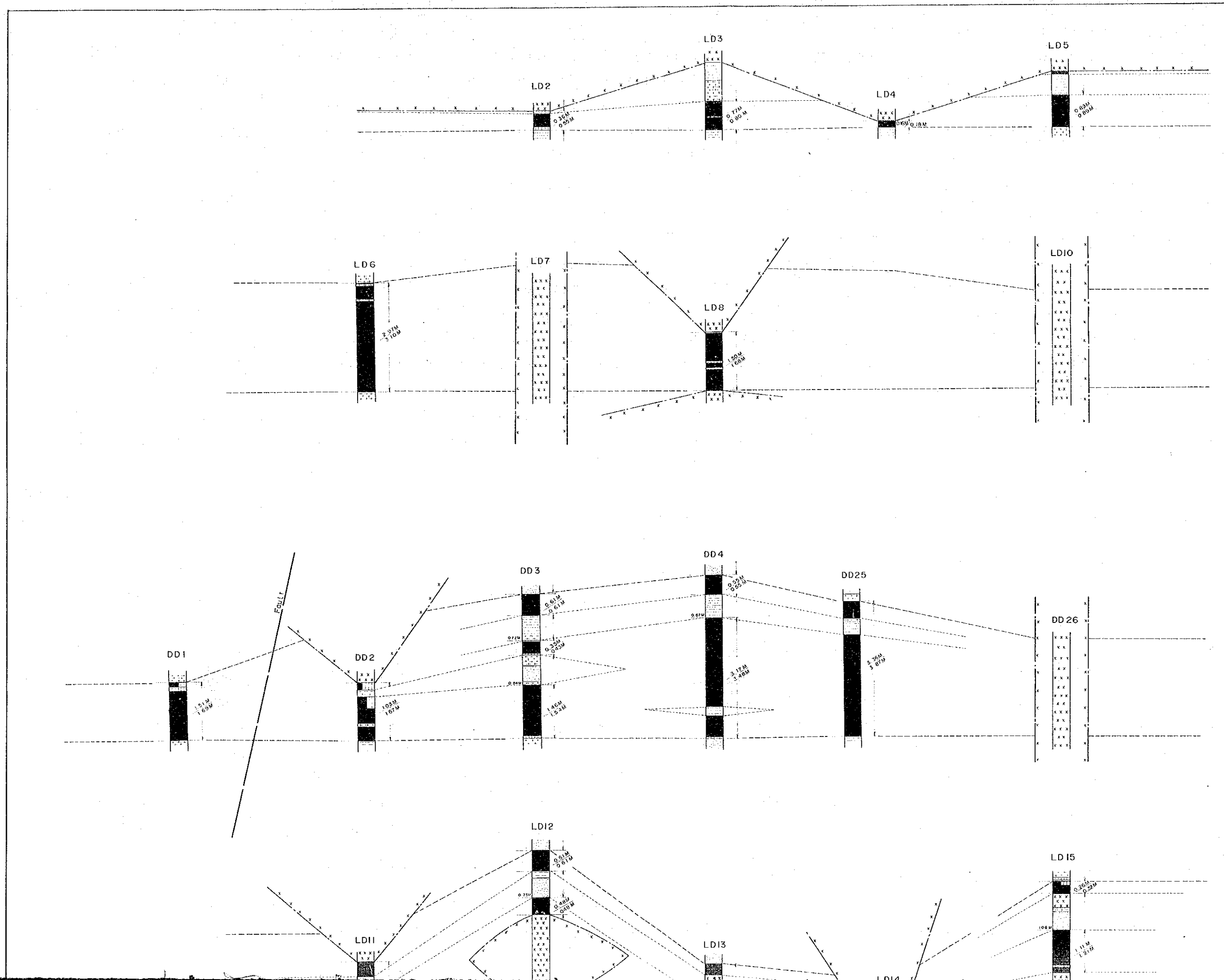
Dwg No.	9c	Scale	1: 25,000
Date	Oct., 1985	Prepared by	H. Nozaki S. Morikawa H. Watanabe

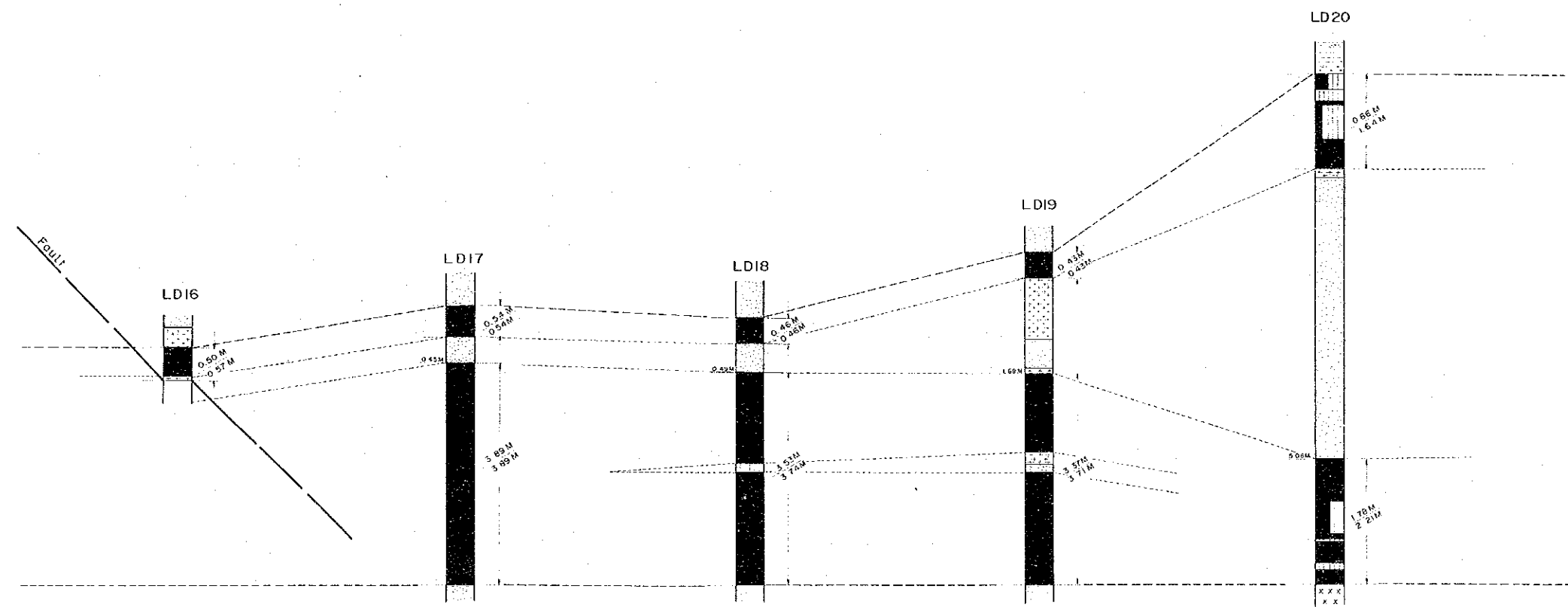
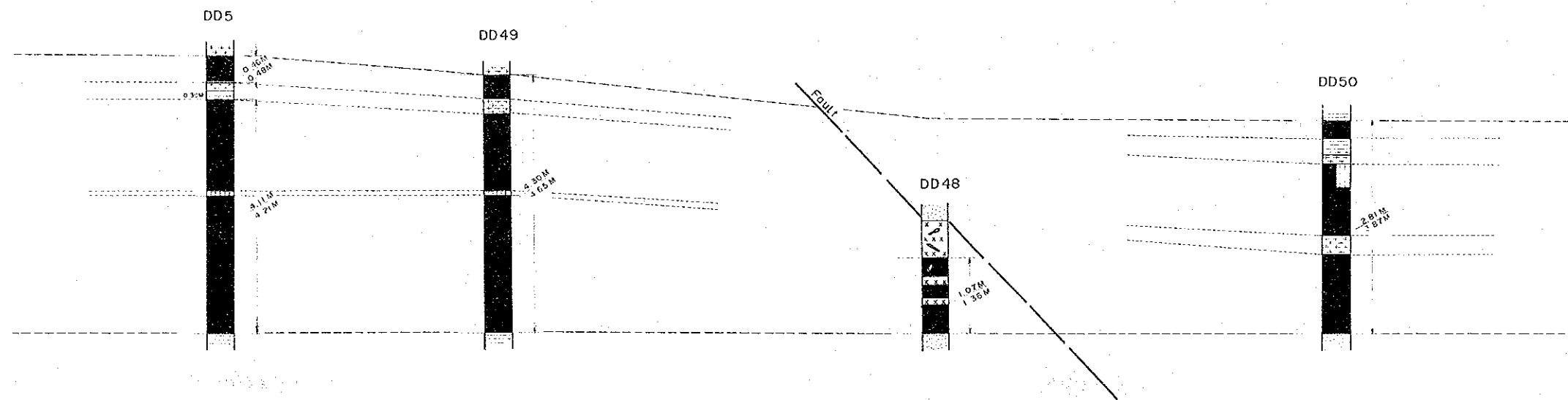
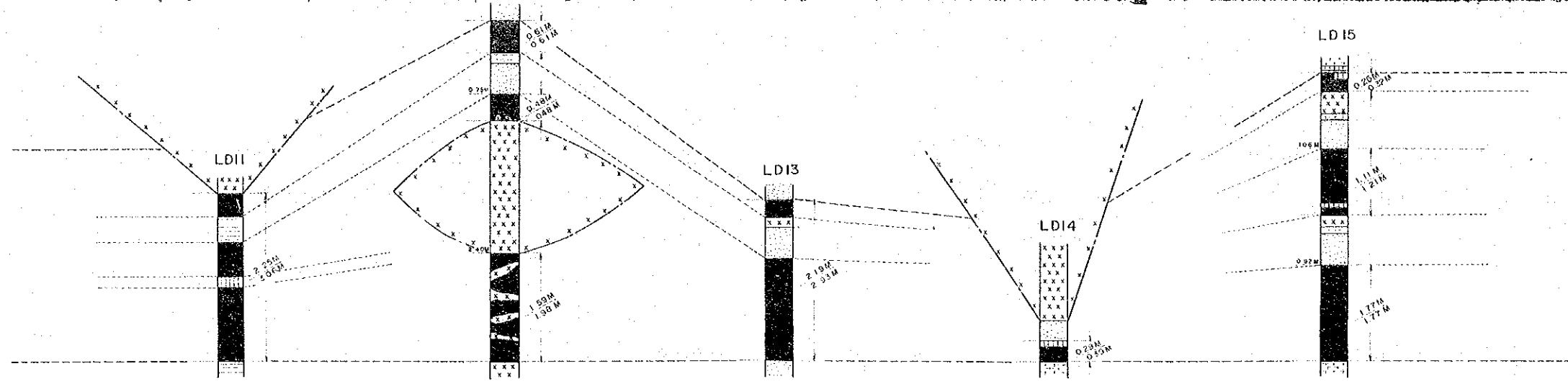
LEGEND

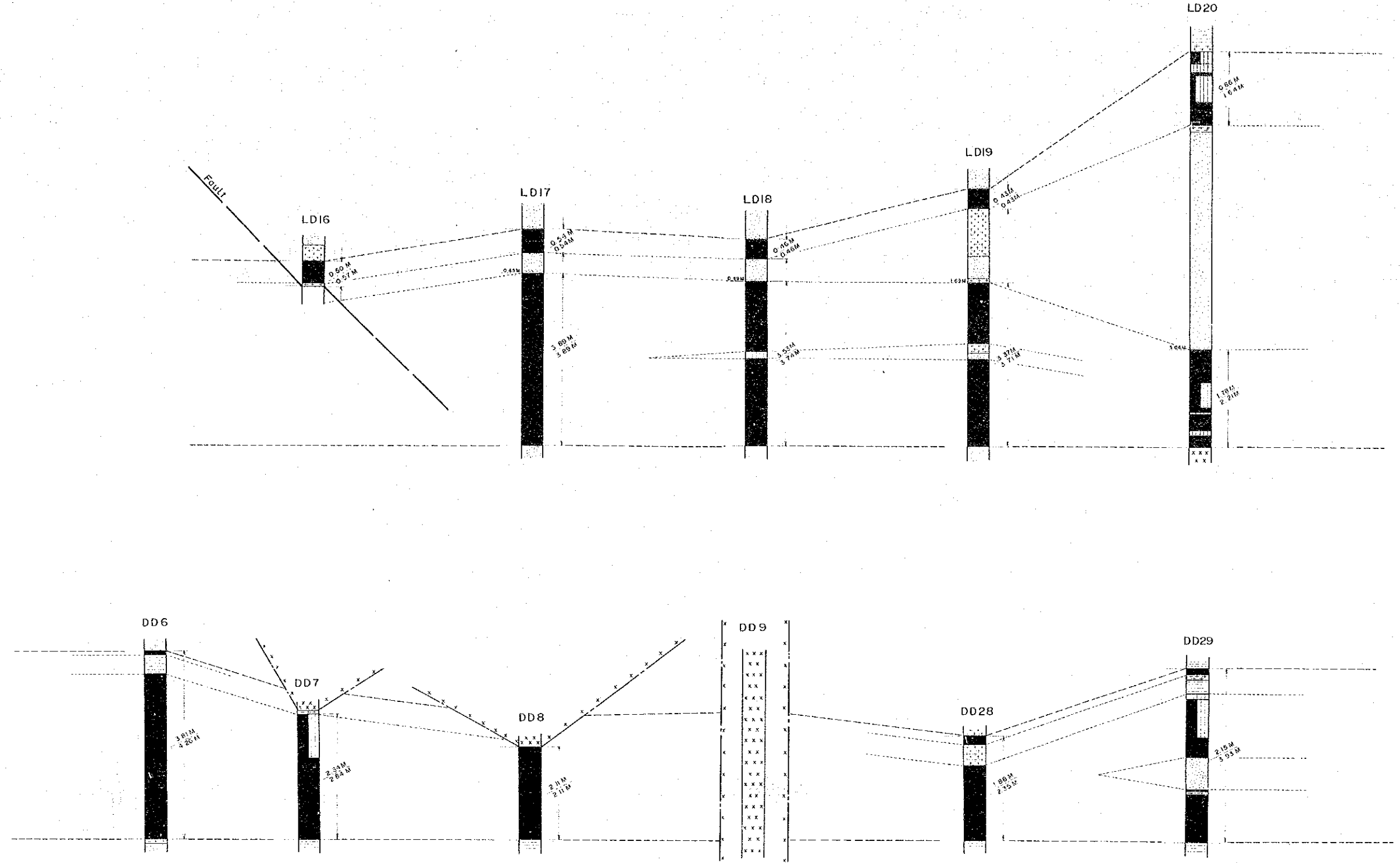
-  Fault, Assumed  
(Coal Seam Horizon)
-  Seam Thickness in Metre
-  Dolerite











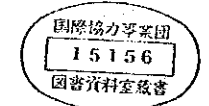






**LEGEND**

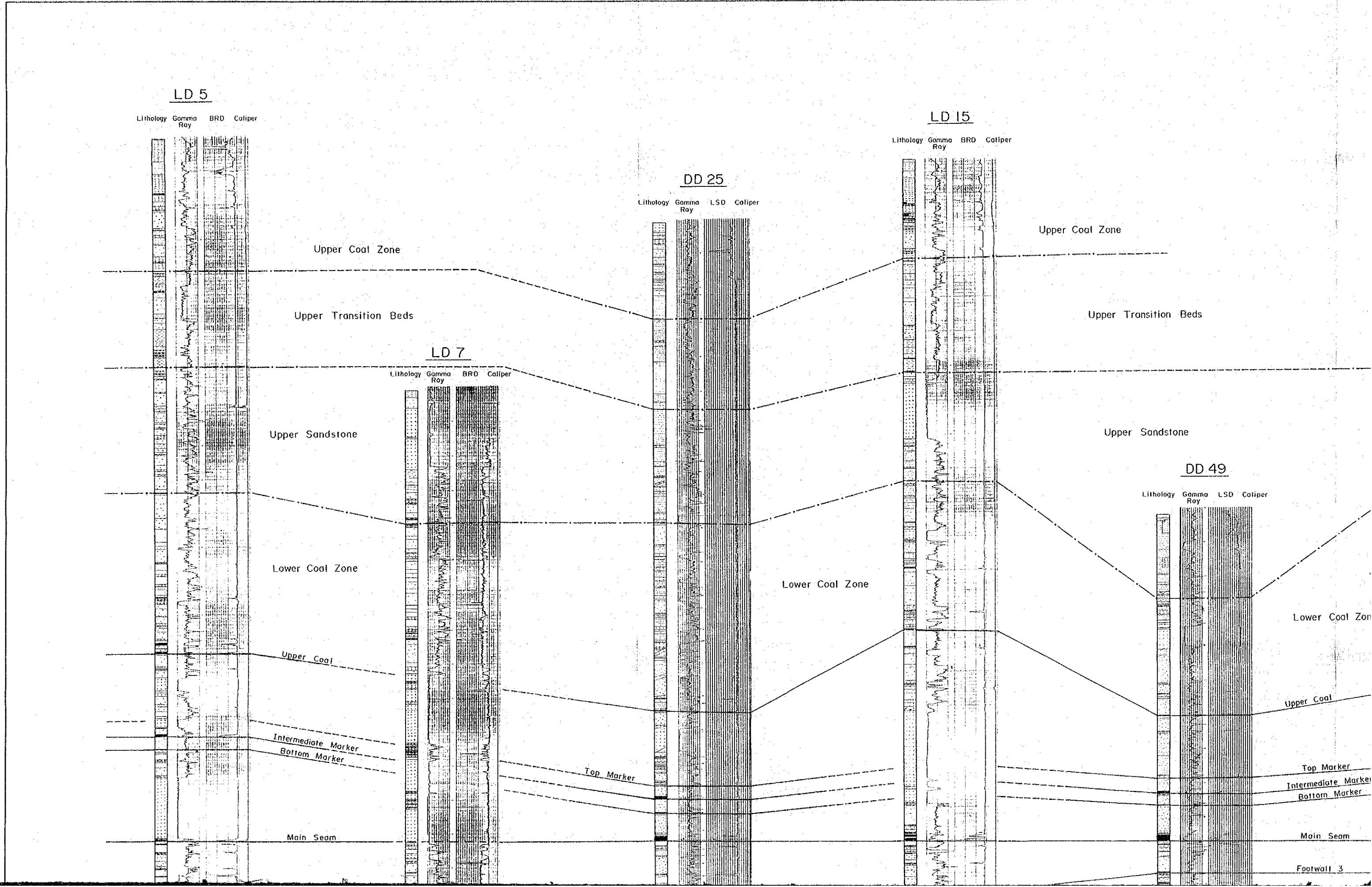
-  Shale, Shale, Carbonaceous
-  Shale, Sandy
-  Sandstone
-  Shale, coaly
-  Coal
-  Dolerite

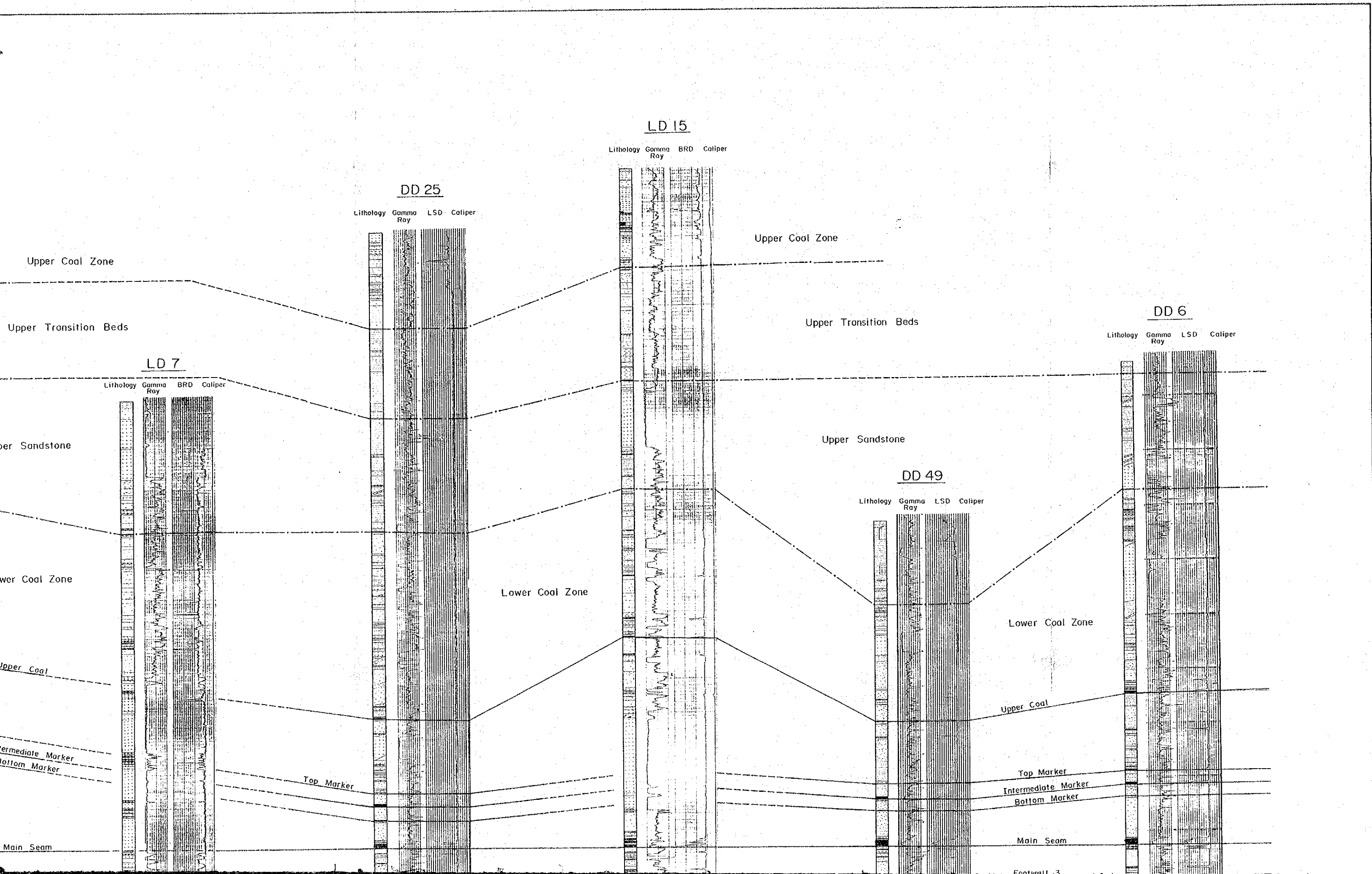


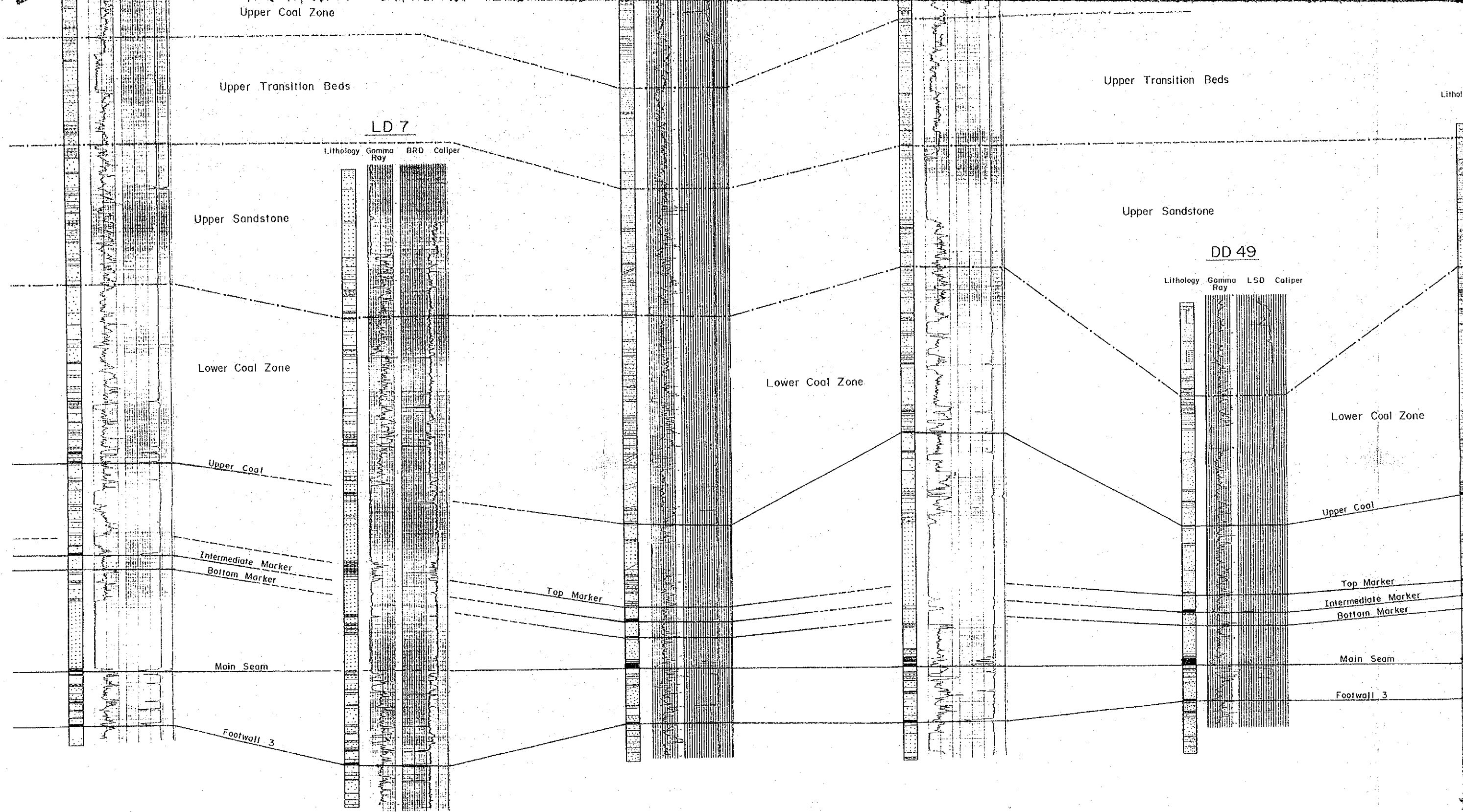
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**Coal Section of Main Seam**









Dwg. No.	10	Scale	1 : 50
Date	Sep., 1985	Prepared by	H. Nozaki S. Morikawa H. Watanabe

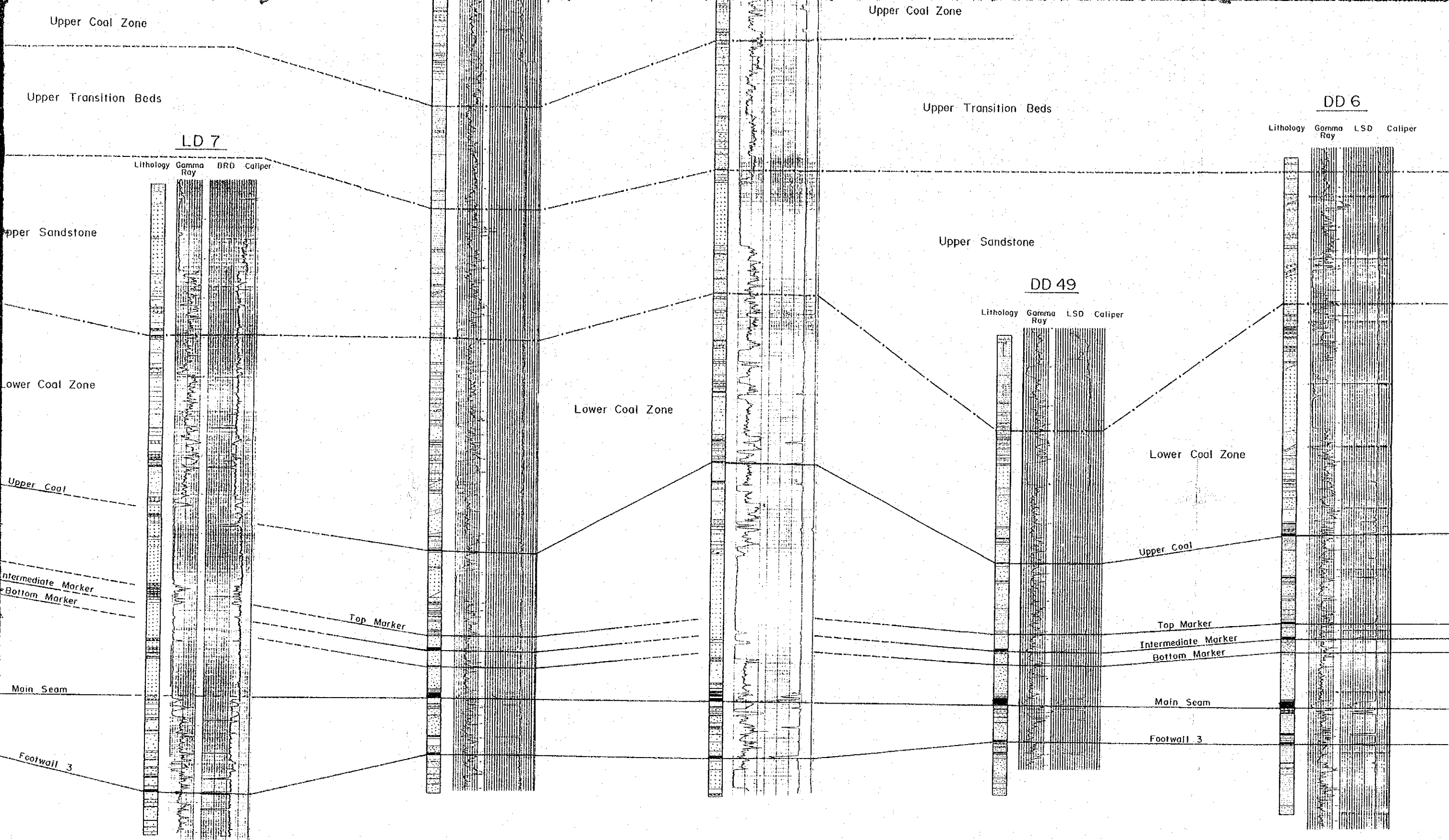






Lithology

- |   |                                    |   |                    |
|---|------------------------------------|---|--------------------|
|  | Coal                               |  | Overburden Soil    |
|  | Dolerite                           |  | Shale              |
|  | Fine-grained Sandstone             |  | Sandy Shale        |
|  | Medium-to Coarse-grained Sandstone |  | Carbonaceous Shale |



**Lithology**

	Coal		Overburden Soil
	Dolerite		Shale
	Fine-grained Sandstone		Sandy Shale
	Medium-to Coarse-grained Sandstone		Carbonaceous Shale

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<b>Correlation of Geophysical Logging</b>			
Dwg. No.	11	Scale	1 : 1,000
Date	Oct., 1985	Prepared by	H. Nozaki M. Sugawara







Drawing 12-c Results of Coal Analysis and Testing (in Swaziland)

Sample Number	Coal Seam	Depth (m)	Cal. Val. (cal/g)	RAW COAL (AIR DRY BASIS)											WASHED COAL (AIR-DRY BASIS)												
				Proximate Analysis (%)				Cal. Val. (MJ/kg)	Total Sul. (%)	H.G.L.	Ultimate Analysis (%)					Ash Fusion Point			Size of Coal Washed	S.G.	Float Yield (%)	Cal. Val. (cal/g)	H <sub>2</sub> O (%)	Ash (%)	Vol. Mat. (%)	Fix. Carbo. (%)	Cal. Val. (MJ/kg)
				H <sub>2</sub> O	Ash	Vol. Mat.	Fix. Carbo.				C	H	N	S	O	DT(°C)	HT(°C)	FT(°C)									
LD13-1	Intermediate Marker	229.52 - 230.60	5330	4.4	26.2	7.1	62.3	22.3	0.43	59	62.92	0.87	0.43	0.43	4.75	1240	1350	1390	-25mm	F1.5	0.0	7872	4.4	24.0	7.1	64.5	32.1
																			+0.5mm	1.5-1.6	0.0						
																				1.6-1.8	87.5						
																				F1.6	0.0						
																				F1.8	87.5						
																				S1.8	12.5	4039	4.5	41.5	7.1	46.9	16.9
LD13-2A	Main Seam	256.51 - 256.82	5258	8.0	24.3	7.2	60.5	22.0	0.52	61	60.70	0.58	0.32	0.53	5.57	1210	1290	1380	-25mm	F1.5	0.0						
																				1.5-1.6	0.0						
																				1.6-1.8	86.2						
																				F1.6	0.0						
																				F1.8	86.2	5545	8.5	20.9	7.5	63.1	23.2
																				S1.8	13.8	3513	4.6	45.3	5.7	44.4	14.7
LD13-2B	Main Seam	257.56 - 259.44	-	4.8	44.8	6.7	43.7	-	0.45	54	45.36	0.74	0.21	0.44	3.65	1230	1270	1330	-25mm	F1.5	0.0						
																				1.5-1.6	0.0						
																				1.6-1.8	35.9						
																				F1.6	0.0						
																				F1.8	35.9	5330	6.1	25.4	7.2	61.3	22.3
																				S1.8	64.1		4.0	55.7	6.4	33.9	-
LD14-1	Intermediate Marker	305.40 - 306.30	-	1.4	54.1	5.8	38.7	-	0.28	64	39.42	1.74	0.55	0.28	2.51	+1400	+1400	+1400	-25mm	F1.5	16.8	7457	1.5	10.7	7.2	80.6	31.2
																				1.5-1.6	13.4	6501	1.5	20.0	6.7	71.8	27.2
																				1.6-1.8	12.2	5115	1.5	35.4	6.4	56.7	21.4
																				F1.6	30.2	7027	1.5	14.8	7.0	76.7	29.4
																				F1.8	42.4	6477	1.5	20.8	6.8	70.9	27.1
																				S1.8	57.6	-	1.3	78.7	5.0	15.0	-
LD14-3	Footwall 3	357.17 - 358.32	-	2.1	27.6	4.8	65.5	-	0.52	51	64.75	1.91	0.99	0.52	2.13	+1400	+1400	+1400	-25mm	F1.5	6.6	7194	2.1	12.6	6.0	79.3	30.1
																				1.5-1.6	19.5	6907	2.5	14.5	5.6	77.4	28.9
																				1.6-1.8	59.0	5927	2.0	24.3	4.4	69.3	24.8
																				F1.6	26.1	6079	2.4	14.0	5.7	77.9	29.2
																				F1.8	85.1	6262	2.1	21.2	4.8	71.9	26.2
																				S1.8	14.9	-	1.7	64.7	4.7	28.9	-
LD15-0	Upper Coal Seam	275.82 - 276.70	-	1.3	24.3	5.6	68.8	25.5	0.34	-	-	-	-	-	-	-	-	-	-	1.59	-	-	-	-	-	-	-
LD15-2A	Main Seam	397.24 - 398.45	-	1.3	23.2	6.7	68.8	-	0.50	44	82.78	2.86	1.55	0.53	1.88	1160	1190	1230	-25mm	F1.5	26.0	7552	1.2	9.2	6.8	82.8	31.6
																				1.5-1.6	32.6	6692	1.3	18.1	6.2	74.4	28.0
																				1.6-1.8	25.7	5784	1.5	27.7	7.1	63.7	24.2
																				F1.6	58.6	7074	1.3	14.2	6.5	78.0	29.6
																				F1.8	84.3	6692	1.3	16.3	6.7	74.0	28.0
																				S1.8	15.7	-	1.4	49.8	6.6	42.2	-
LD15-2B	Main Seam	399.37 - 401.14	-	1.2	12.0	6.1	80.7	-	0.47	38	83.96	3.03	1.62	0.47	1.52	1170	1230	1270	-25mm	F1.5	69.7	7672	1.2	8.2	6.1	84.5	32.1
																				1.5-1.6	25.5	6764	1.3	18.0	6.0	74.7	28.3
																				1.6-1.8	4.0	5425	1.3	30.5	5.9	62.3	22.7
																				F1.6	95.2	7432	1.2	10.8	6.1	81.9	31.1
																				F1.8	99.2	7337	1.2	11.6	6.1	81.1	30.7
																				S1.8	0.8	-	1.3	53.1	10.4	35.2	-
LD15-3	Footwall 3	429.47 - 430.82	-	0.8	18.2	5.8	75.2	-	0.66	42	81.06	3.12	1.50	0.57	1.75	1310	+1400	+1400	-25mm	F1.5	47.6	7457	0.8	11.2	6.3	81.7	31.2
																				1.5-1.6	27.5	6835	1.0	17.7	6.2	75.1	28.6
																				1.6-1.8	19.0	5832	0.8	28.4	5.6	65.2	24.4
																				F1.6	75.1	7242	0.9	13.6	6.3	79.2	30.3
																				F1.8	94.1	6955	0.8	15.7	5.8	77.7	29.1
																				S1.8	5.9	-	0.8	58.8	6.4	34.0	-
LD16-1	Intermediate Marker	285.07 - 286.76	6788	1.6	17.8	8.3	72.3	28.4	0.42	50	73.21	2.86	1.45	0.41	2.67	1260	1290	1360	-25mm	F1.5	66.1	7122	1.6	14.5	8.6	75.3	29.8
																				1.5-1.6	29.7	6286	1.6	23.1	7.6	67.7	26.3
																				1.6-1.8	3.0	-	-	-	-	-	-
																				F1.6	95.8	6859	1.6	17.2	8.3	72.9	28.7
																				F1.8	99.7	-	-	-	-	-	-
																				S1.8	0.3	-	-	-	-	-	-
																				S1.8	4.2	5282	1.7	33.0	8.0	57.3	22.1
LD16-2	Main Seam	311.78 - 313.65	-	1.1	38.8	8.4	51.7	-	0.45	62	53.58	2.55	1.13	0.46	2.38	+1400	+1400	+1400	-25mm	F1.5	32.9	7170	1.0	14.1	10.1	74.8	30.0
																				1.5-1.6	13.5	6190	1.0	24.1	9.5	65.4	25.9
																				1.6-1.8	21.5	4732	1.3	39.0	8.3	51.4	19.8
																				F1.6	46.4	6883	1.0	17.0	9.9	72.1	28.8
																				F1.8	67.9	6214	1.1	24.0	9.4	65.5	26.