

250

270

290

300

310

320

330

340

350

360

370

380

390

400

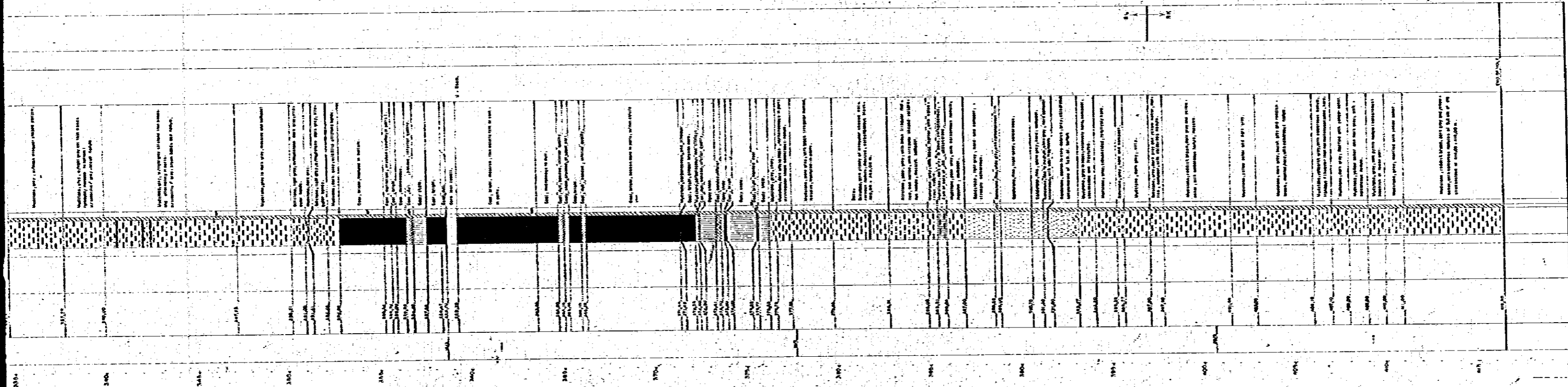
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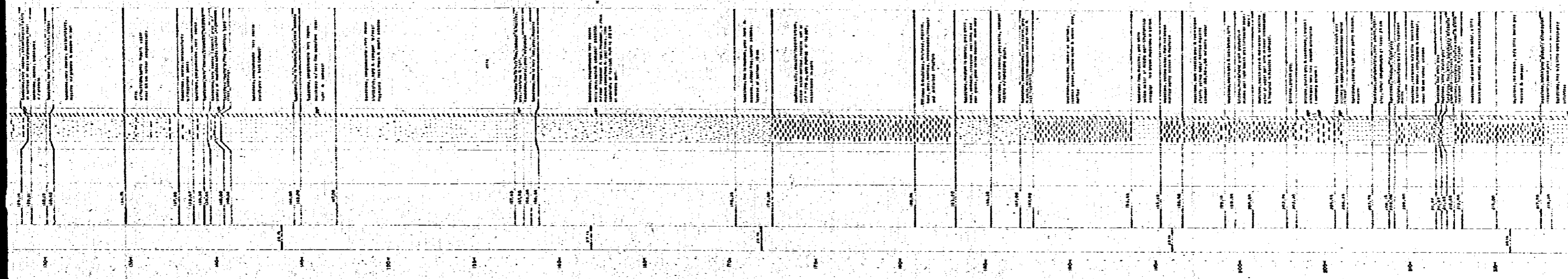
420

430

440

Scale: 1 inch = 100 feet





1000'

900'

800'

700'

600'

500'

400'

300'

200'

100'

0'

100'

200'

300'

400'

500'

600'

700'

800'

900'

1000'

1100'

1200'

1300'

1400'

1500'

1600'

1700'

1800'

1900'

2000'

2100'

2200'

2300'

2400'

2500'

2600'

2700'

2800'

2900'

3000'

3100'

3200'

3300'

3400'

3500'

3600'

3700'

3800'

3900'

1000'

900'

800'

700'

600'

500'

400'

300'

200'

100'

0'

100'

200'

300'

400'

500'

600'

700'

800'

900'

1000'

1100'

1200'

1300'

1400'

1500'

1600'

1700'

1800'

1900'

2000'

2100'

2200'

2300'

2400'

2500'

2600'

2700'

2800'

2900'

3000'

3100'

3200'

3300'

3400'

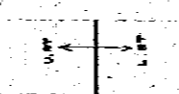
3500'

3600'

3700'

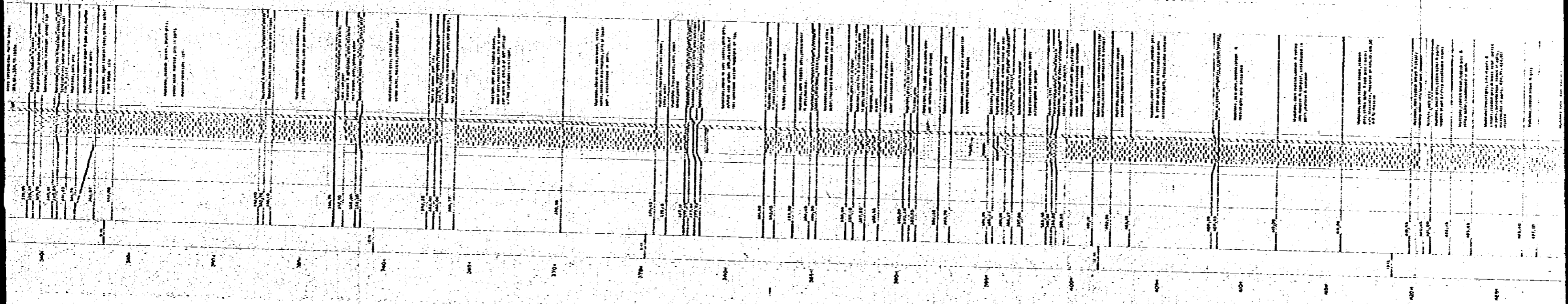
3800'

3900'



Station 62

Station 63



200

210

220

230

240

250

260

270

280

290

300

310

320

330

340

350

360

370

380

390

400

410

420

200

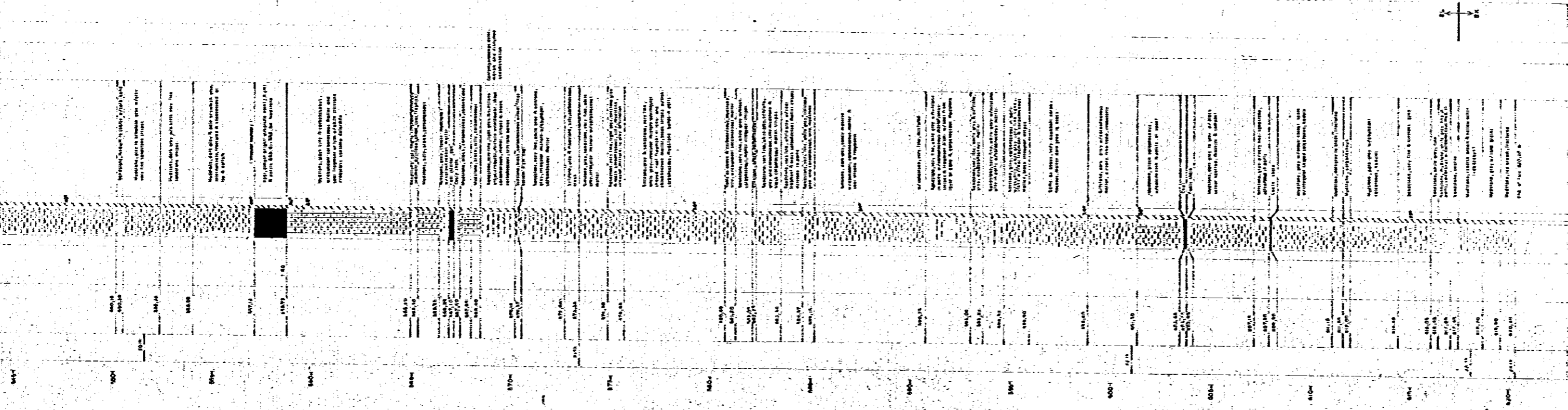
210

220

230

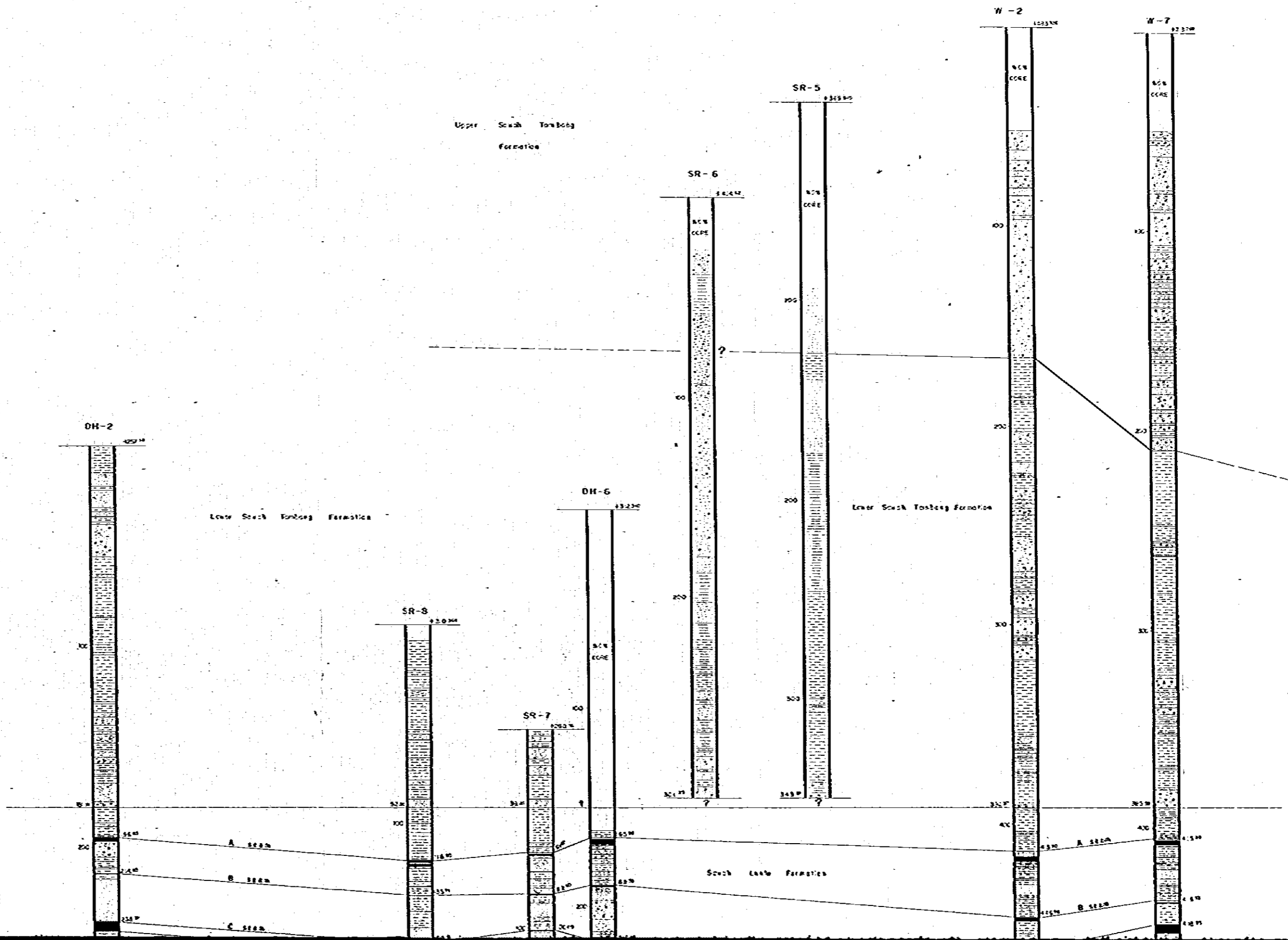
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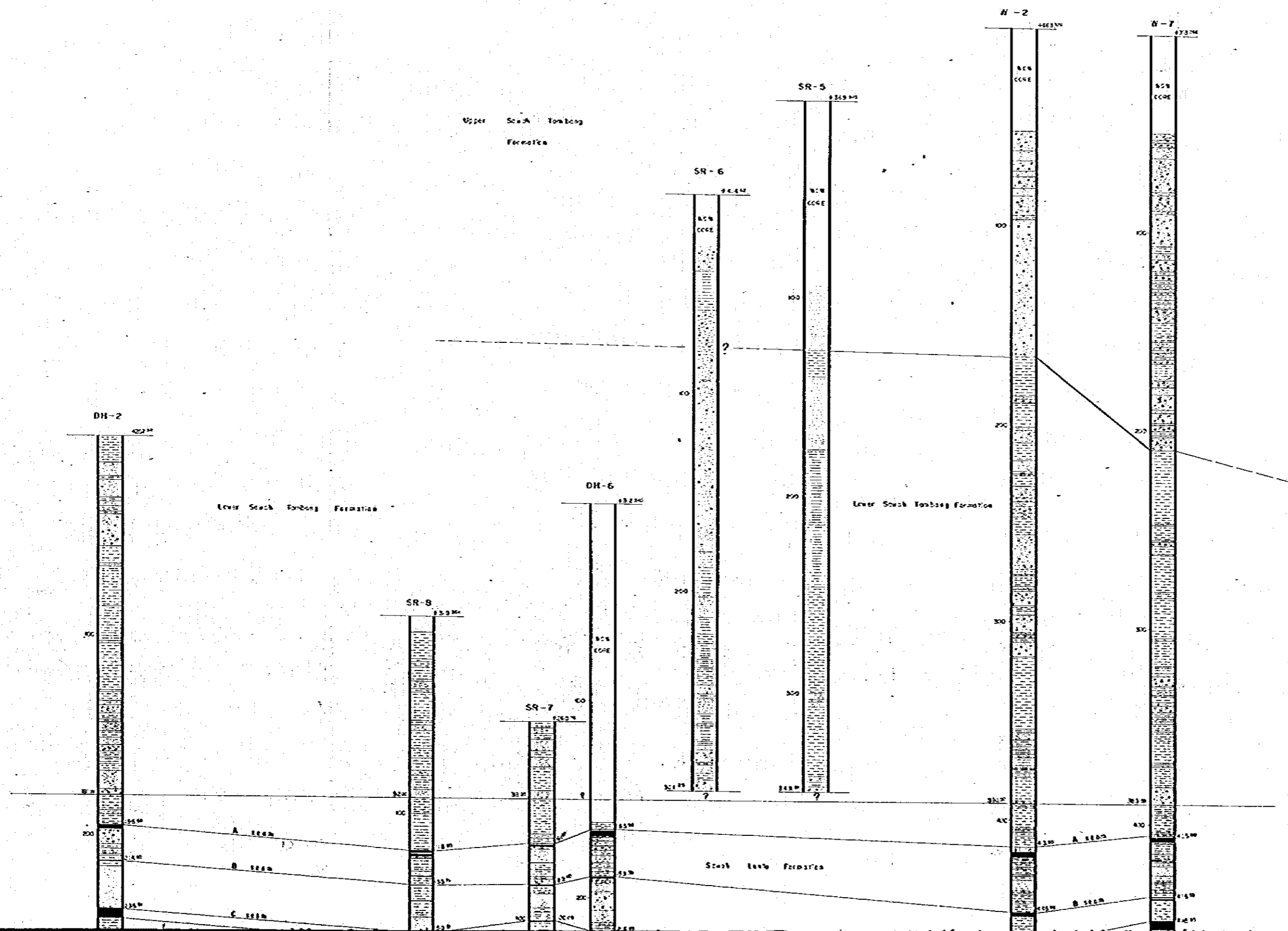
Scale 1:50,000
Vertical scale 1:50,000
Horizontal scale 1:50,000



Scale 1:50,000
Vertical scale 1:50,000
Horizontal scale 1:50,000







DH-2
62.7m

Lower Seak Tongog Formation

SR-8
33.9m

SR-7
25.0m

DH-6
43.2m

SR-6
34.4m

SR-5
43.9m

H-2
44.2m

H-7
47.2m

Lower Seak Tongog Formation

Seak Tongog Formation

60m
200m
240m
255m
260m
265m

60m
100m
110m
120m
130m
140m

60m
33m
35m
37m
39m
41m

60m
80m
100m
120m
140m
160m

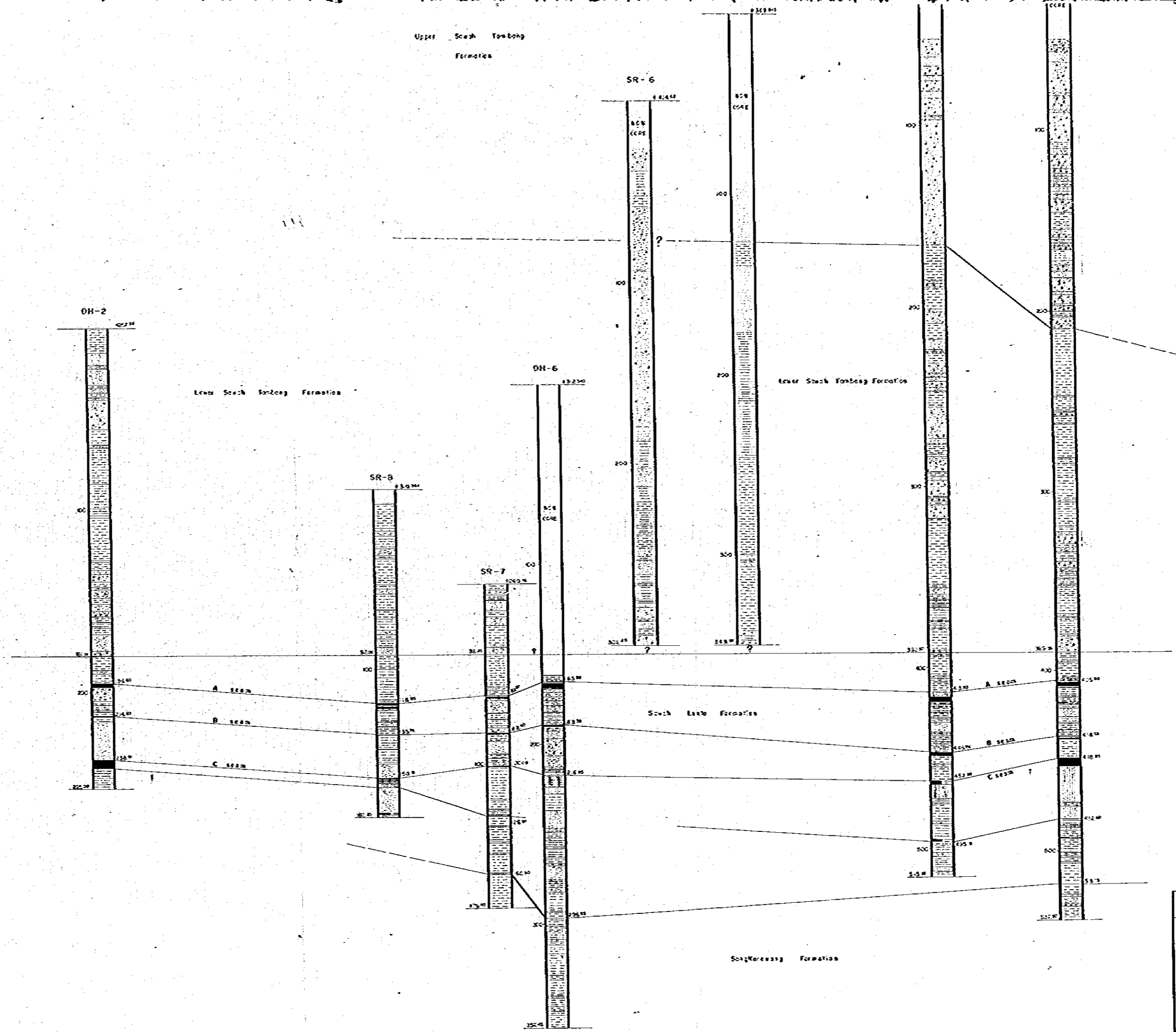
60m
100m
140m
180m
220m
260m
300m
340m
380m
420m

60m
100m
140m
180m
220m
260m
300m
340m
380m
420m

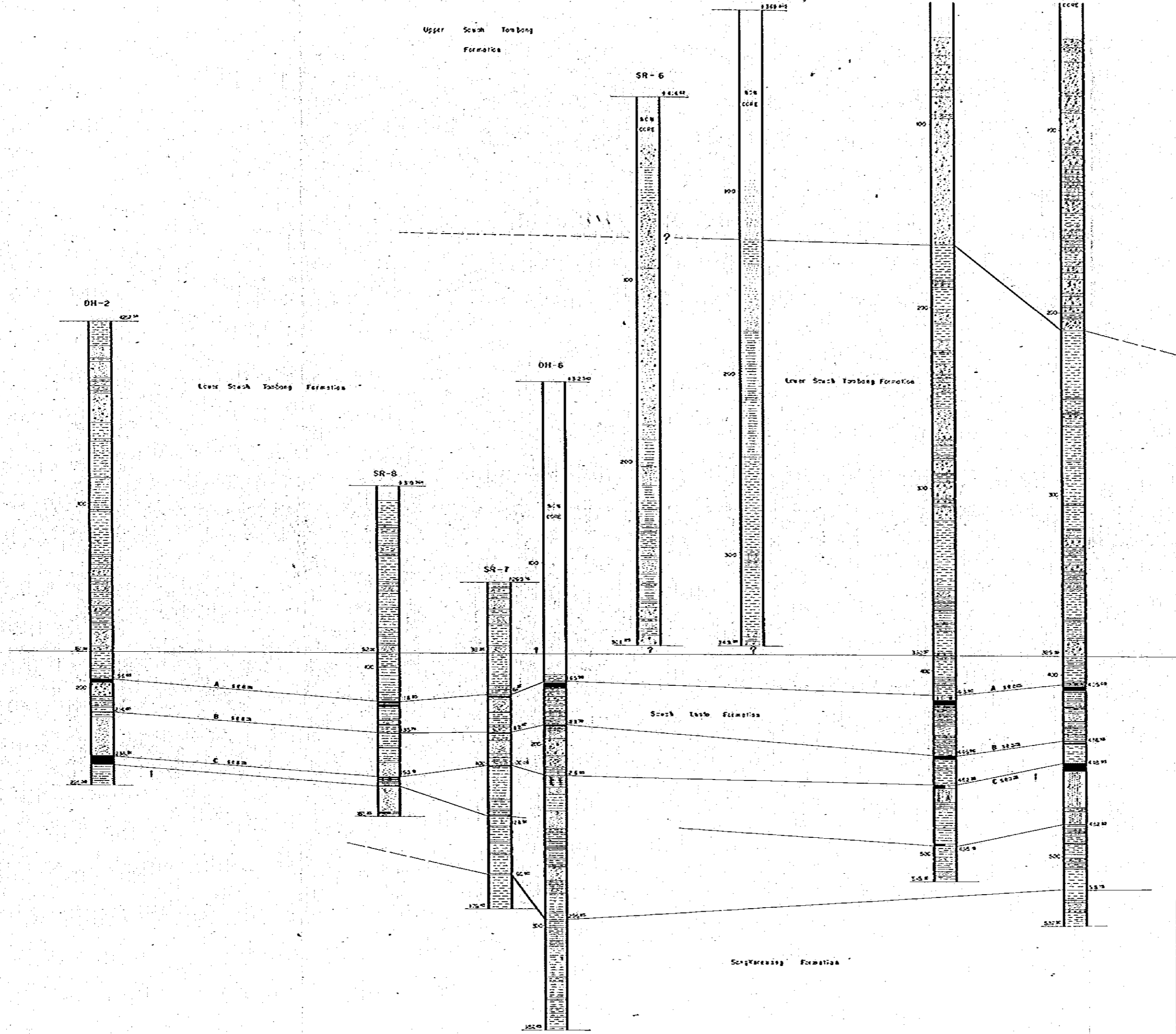
60m
100m
140m
180m
220m
260m
300m
340m
380m
420m

60m
100m
140m
180m
220m
260m
300m
340m
380m
420m





a



- Legend
- Ccc
 - Coc
 - Cor
 - M
 - Silt
 - Ccc
 - Sp



Legend

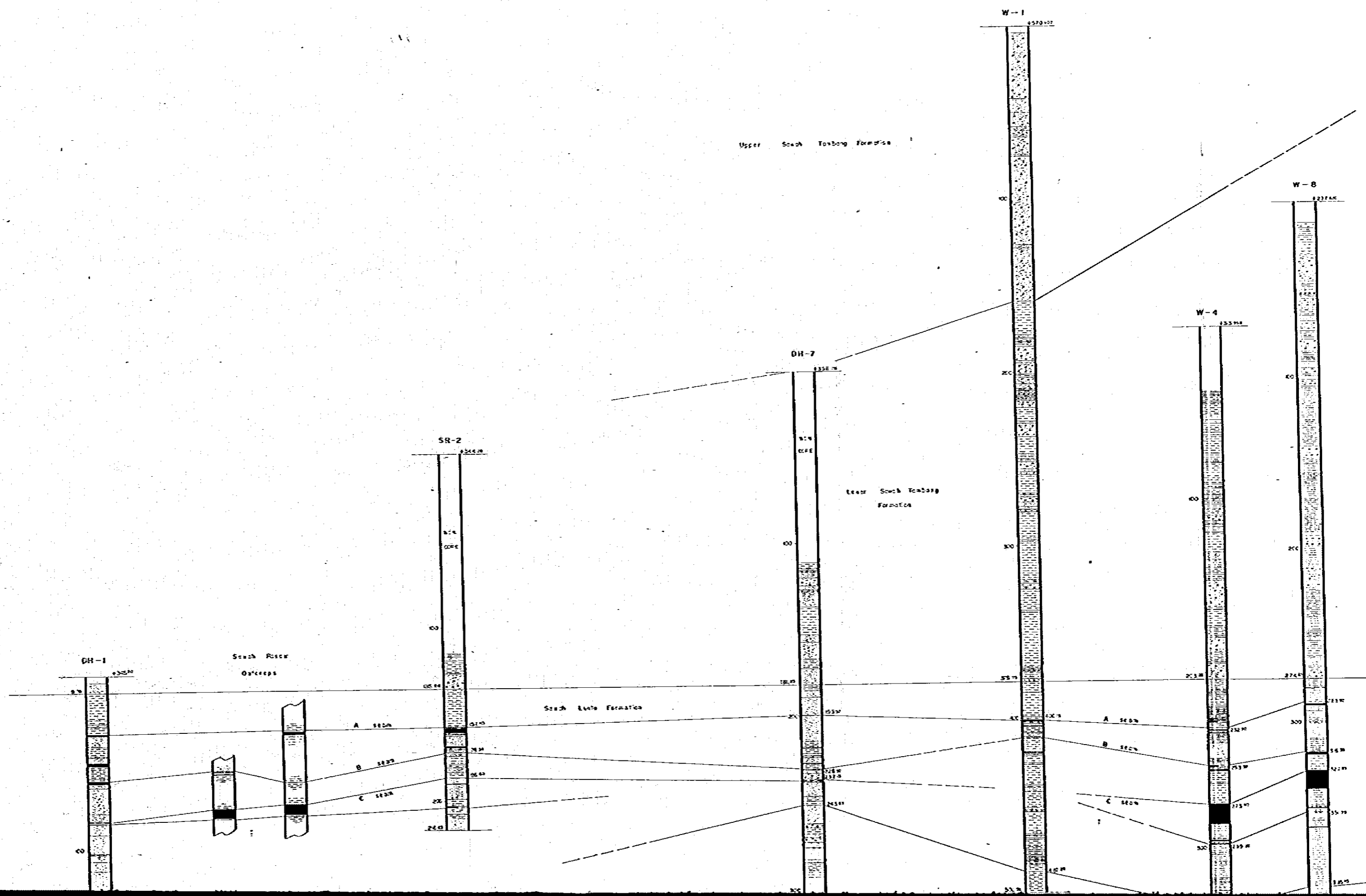
-  Coal
-  Coaly shale
-  Carbonaceous mudstone
-  Mudstone
-  Siltstone
-  Conglomeratic sandstone
-  Sandstone

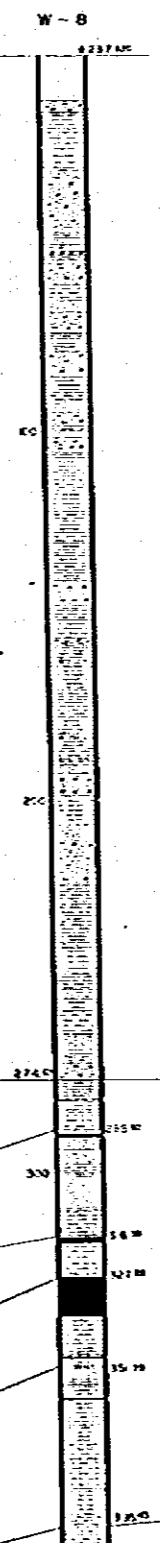
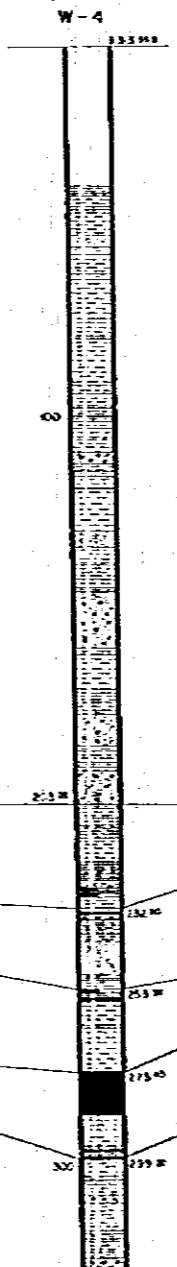
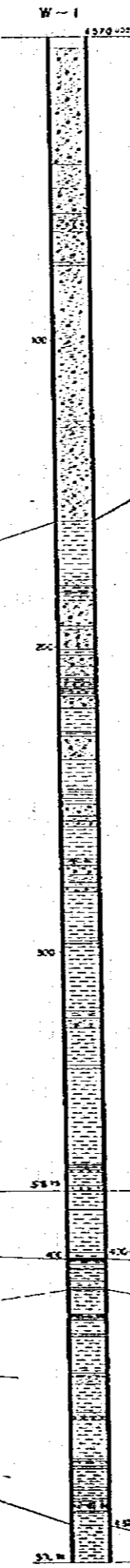
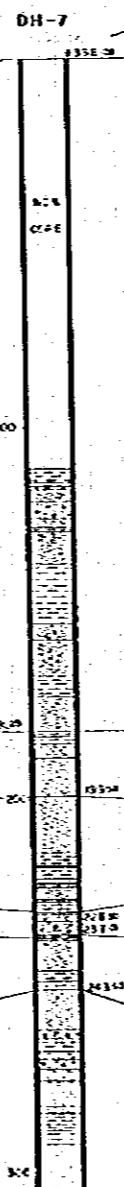
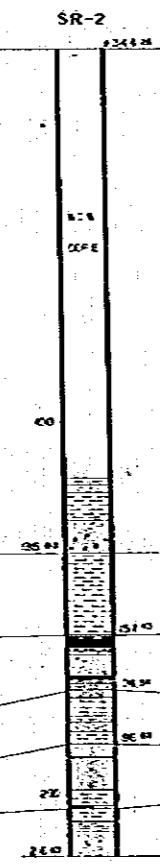
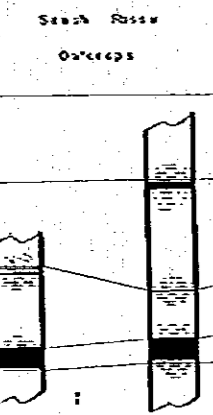
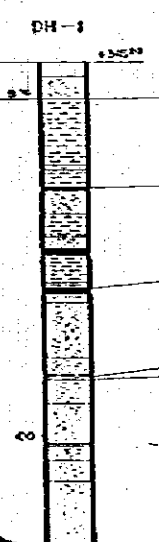
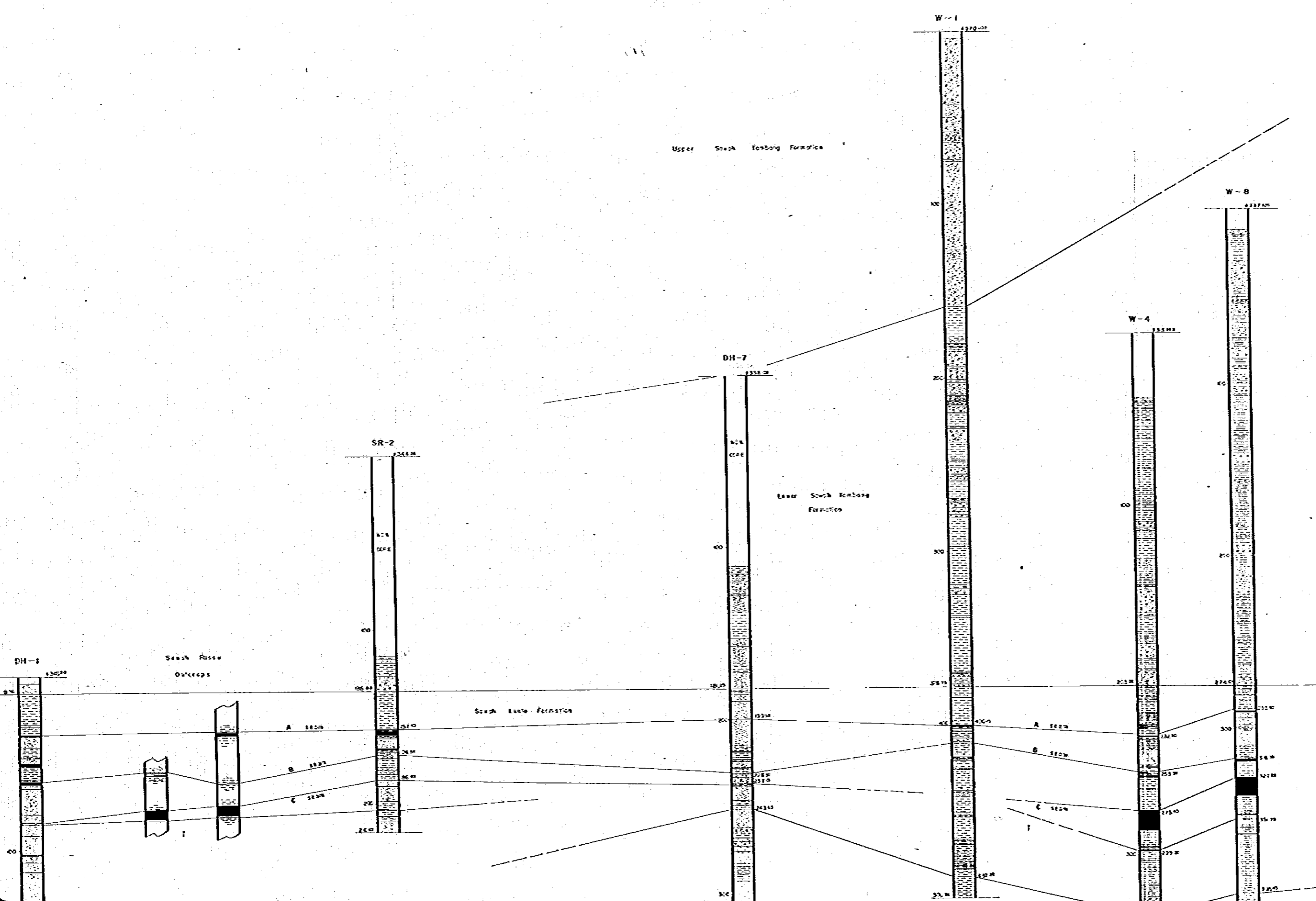
JAPAN INTERNATIONAL COOPERATION AGENCY

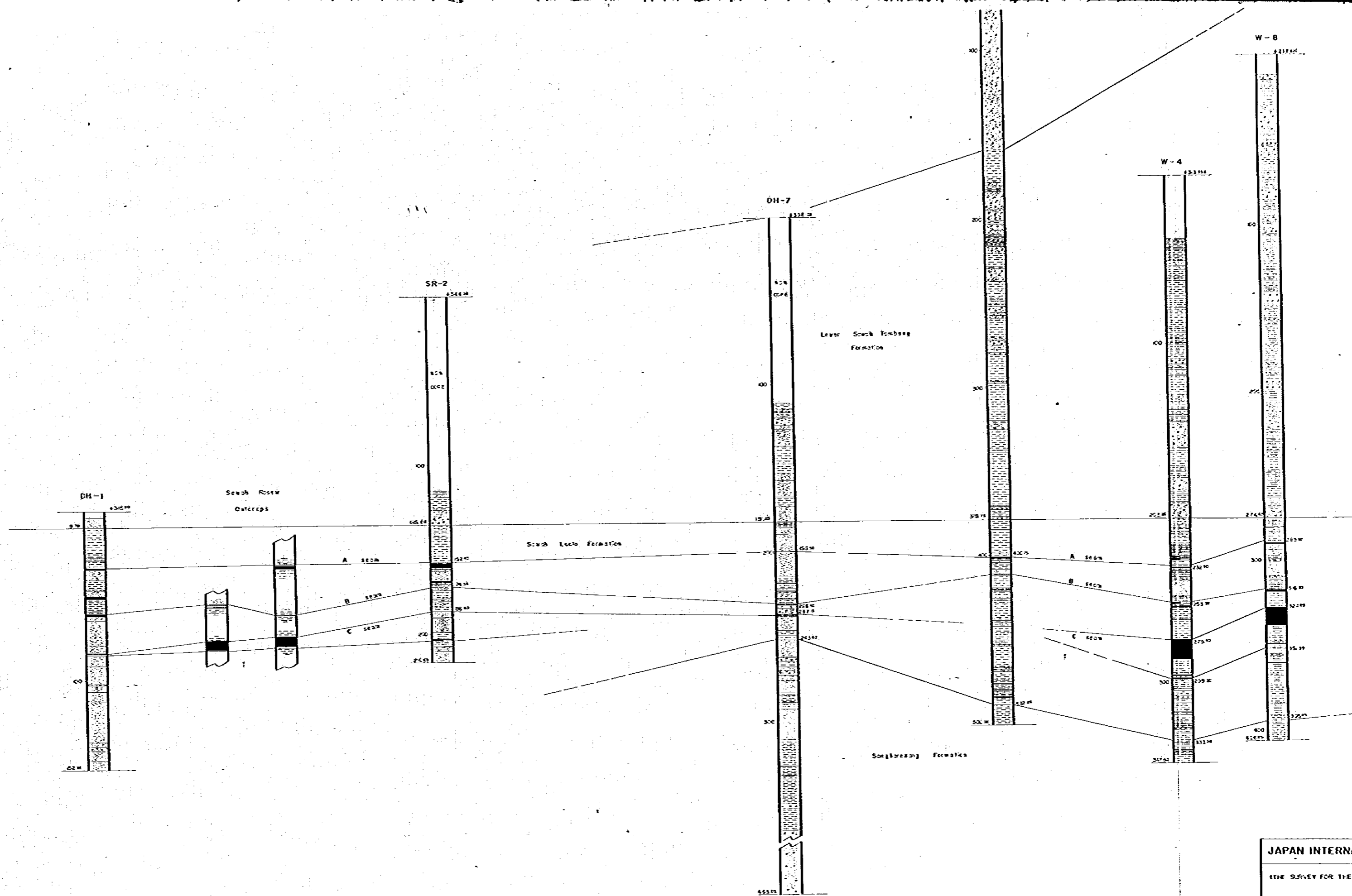
MINTE SURVEY FOR THE REHABILITATION OF ENHLEN COAL MINE

Correlation of Geological Sequence

Doc. No.	Se	Scale	1 : 1,000
Date	July, 1979	Prepared by	T. Nagata





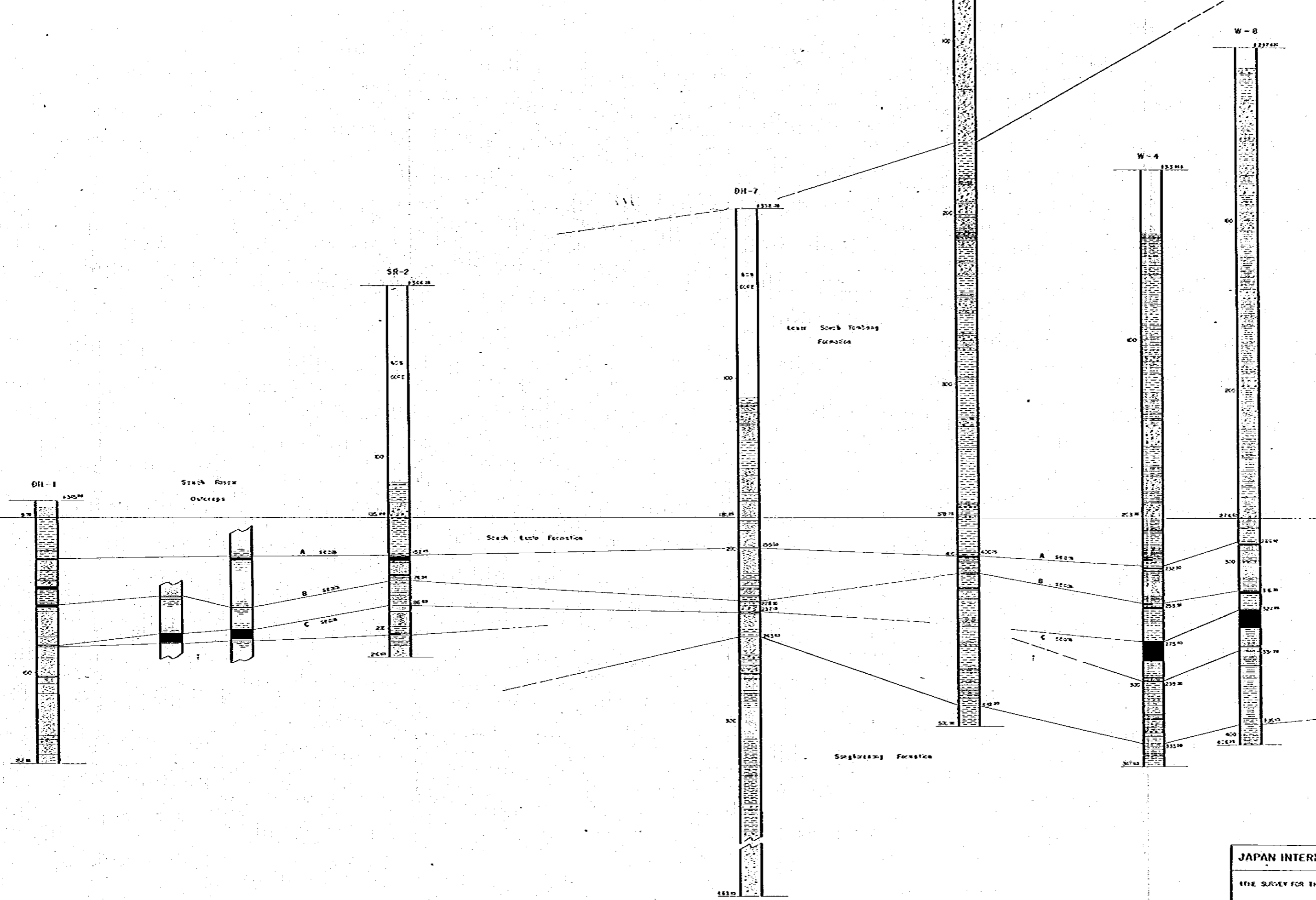


JAPAN INTERNATIONAL

THE SURVEY FOR THE PEOPLES

Correlation of

Fig No	5b
Date	July, 1979



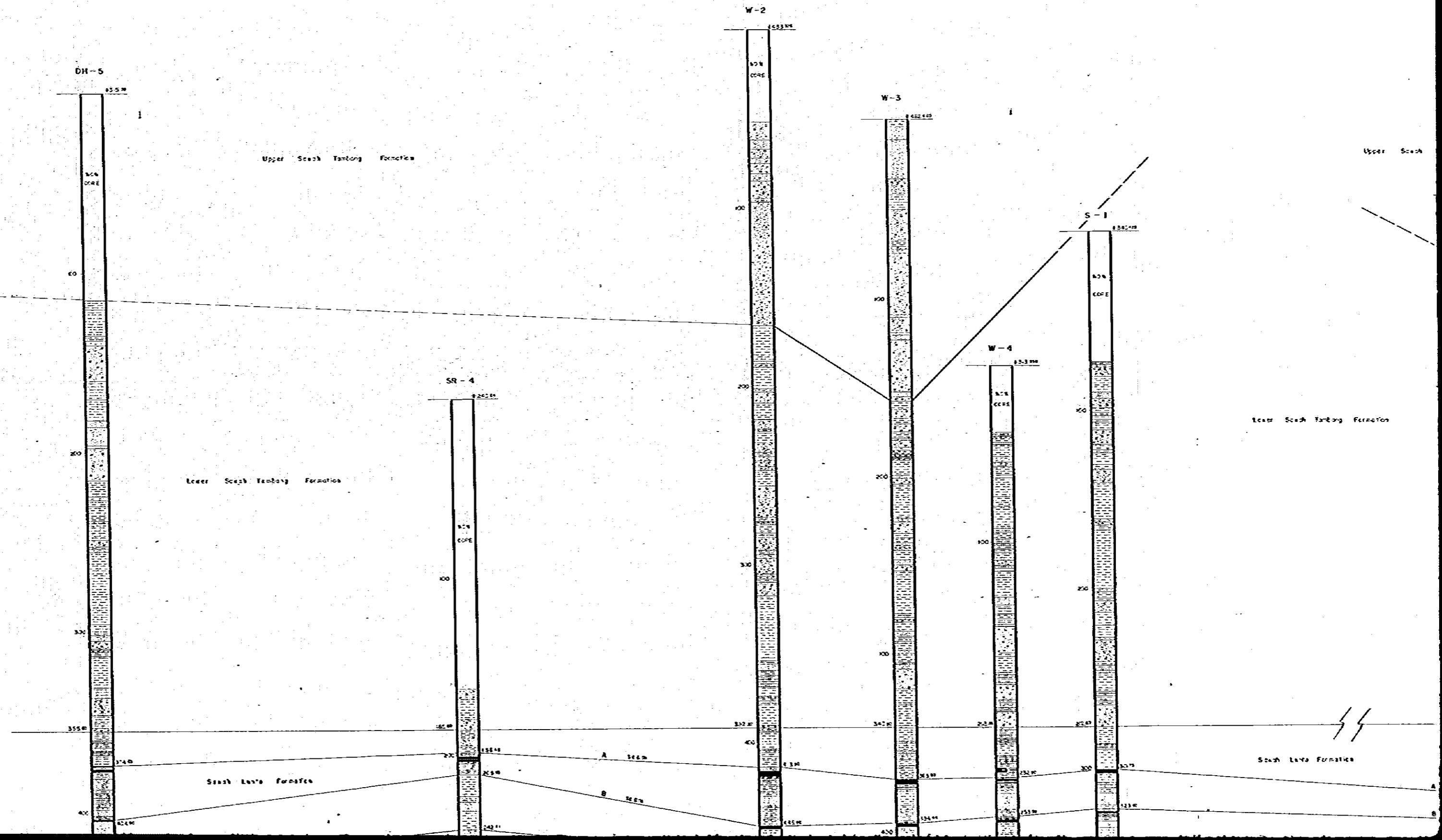
- Legend
- Coal
 - Coarse shale
 - Carbonaceous mudstone
 - Mudstone
 - Siltstone
 - Conglomeratic sandstone
 - Sandstone

JAPAN INTERNATIONAL COOPERATION AGENCY

THE SURVEY FOR THE RECONSTRUCTION OF OCEAN COAL MINES

Correlation of Geological Sequence

Fig No	5b	Scale	1 : 1,000
Date	July, 1979	Prepared by	T. Nagashi



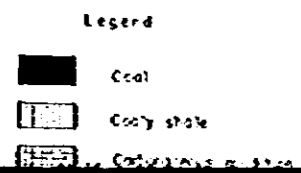
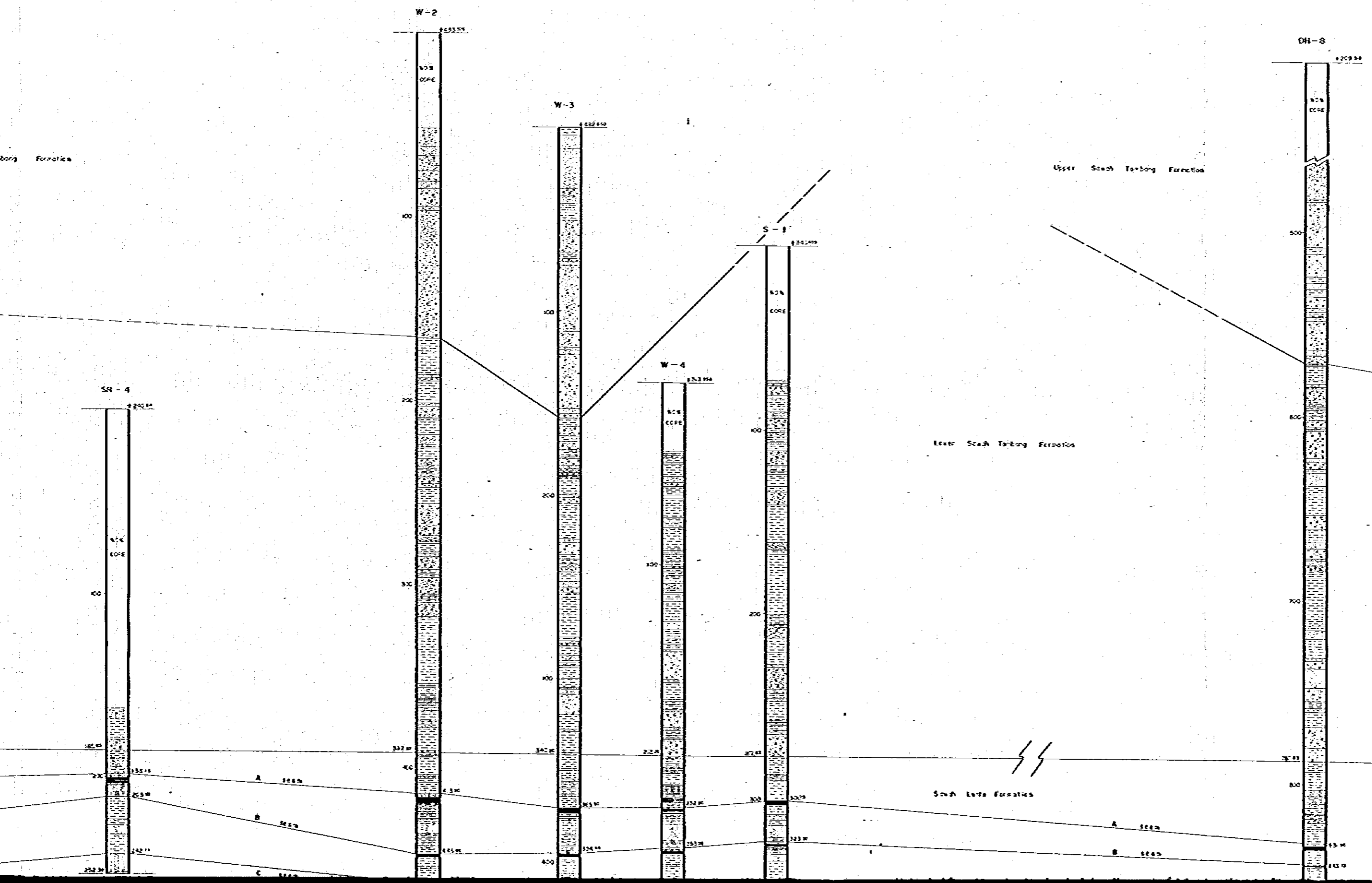
55 Tarborg Formation

Upper South Tarborg Formation

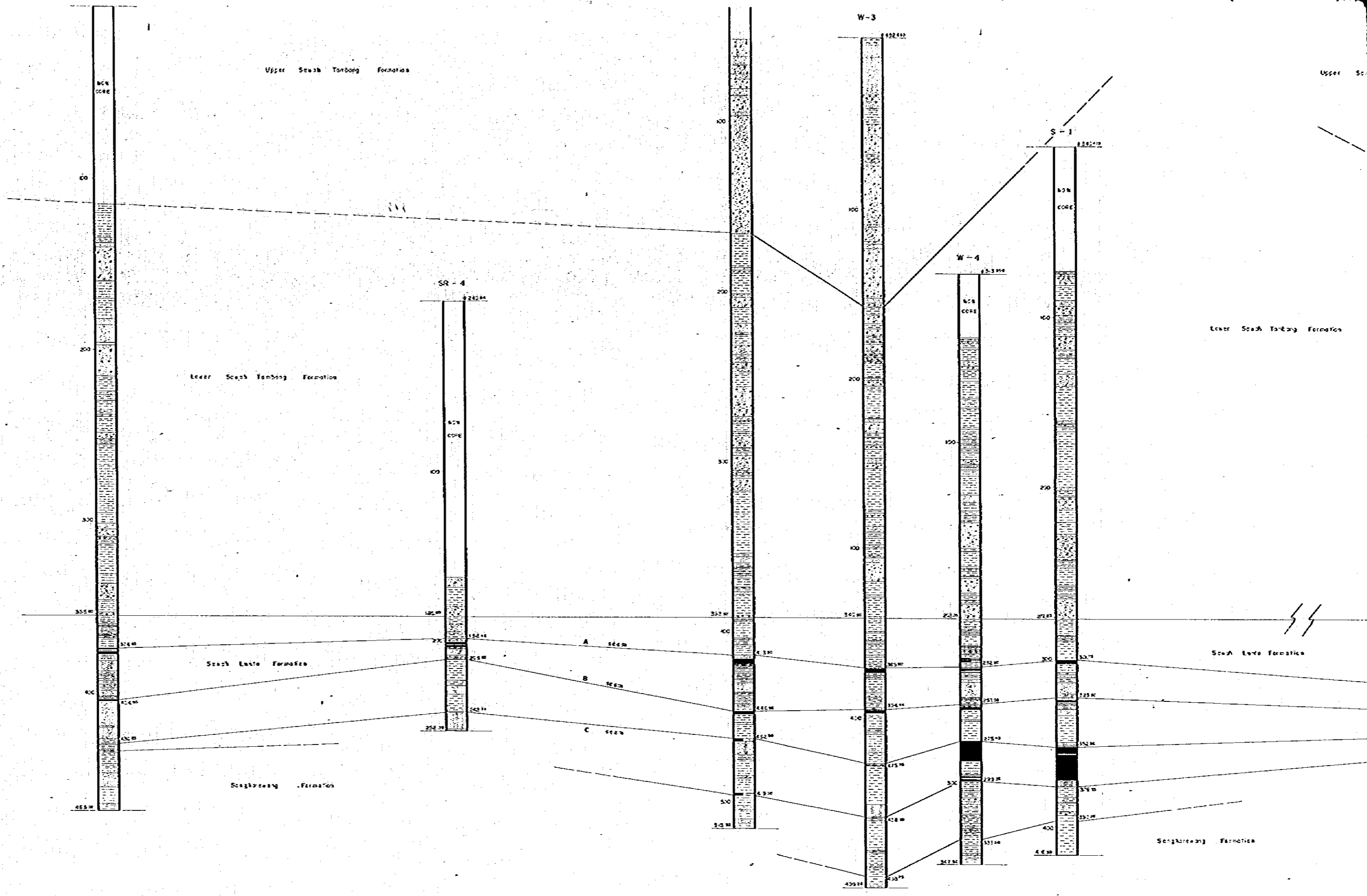
Lower South Tarborg Formation

South Lata Formation

Section



C



44

Upper Seash Tambong Formation

Upper Seash Tambong Formation

Tambong Formation

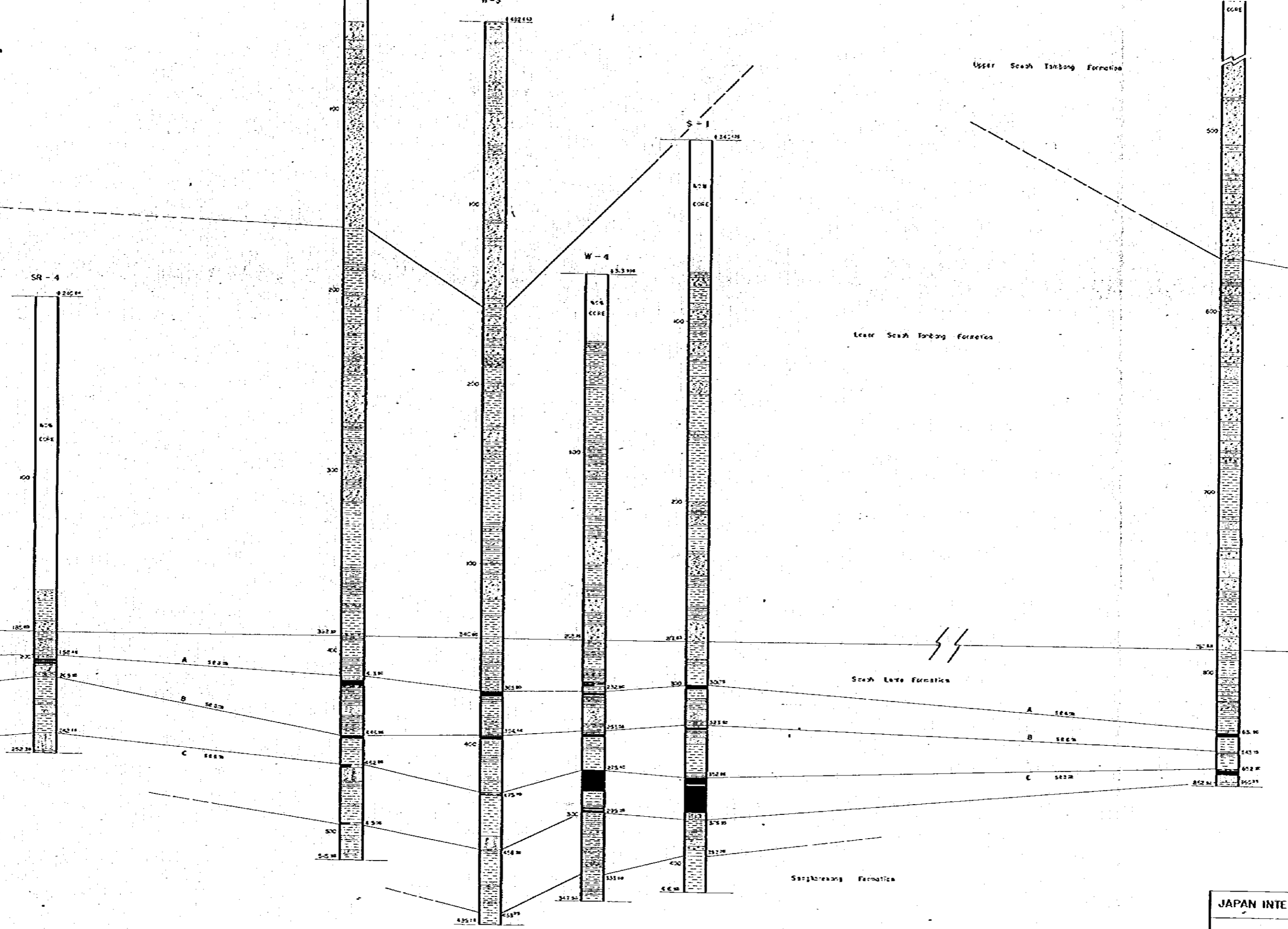
Lower Seash Tambong Formation

Formation

Seash Ledge Formation

Formation

Seashbreasing Formation



Legend

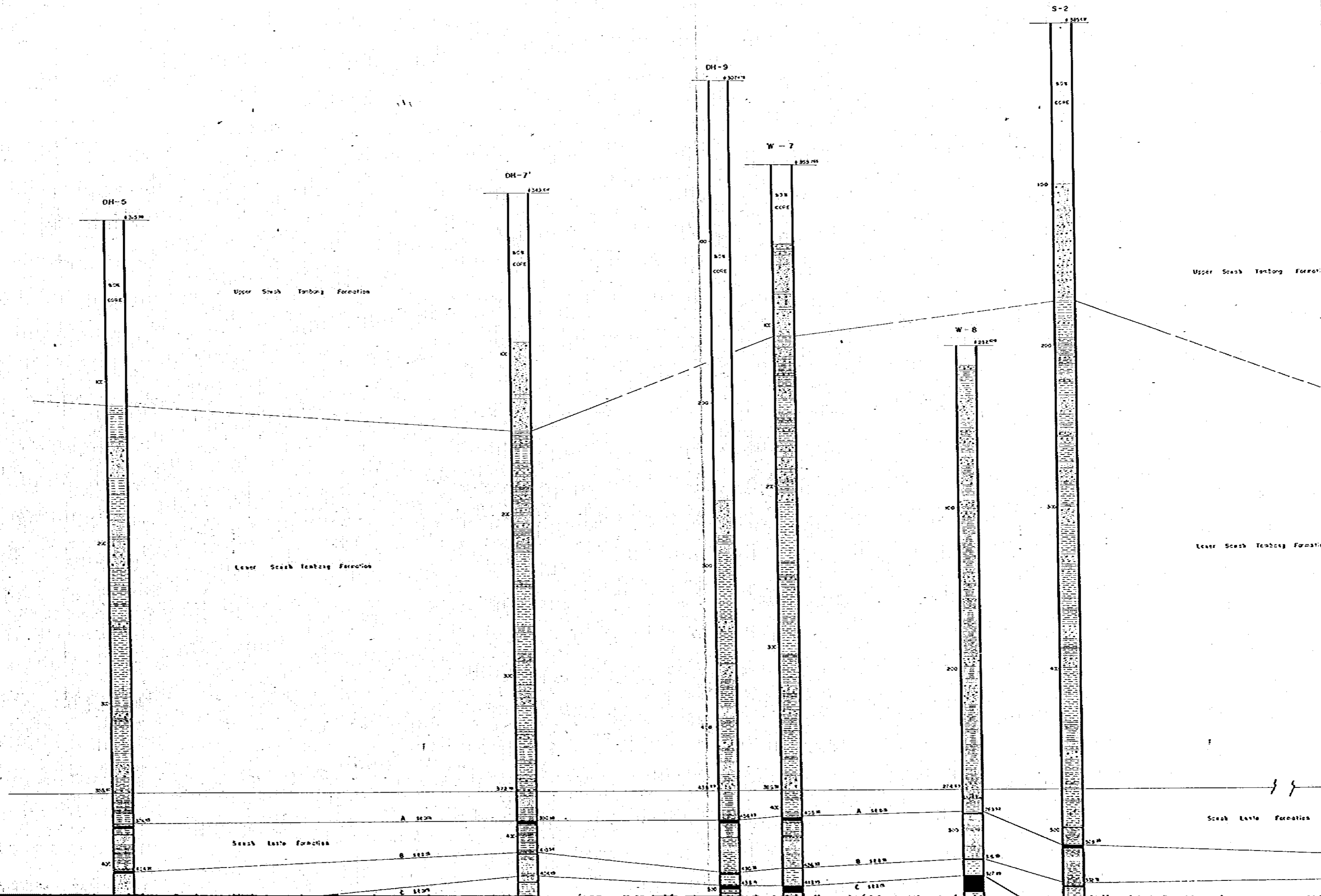
- Coal
- Coaly shale
- Carbonaceous mudstone
- Mudstone
- Siltstone
- Conglomerate sandstone
- Sandstone

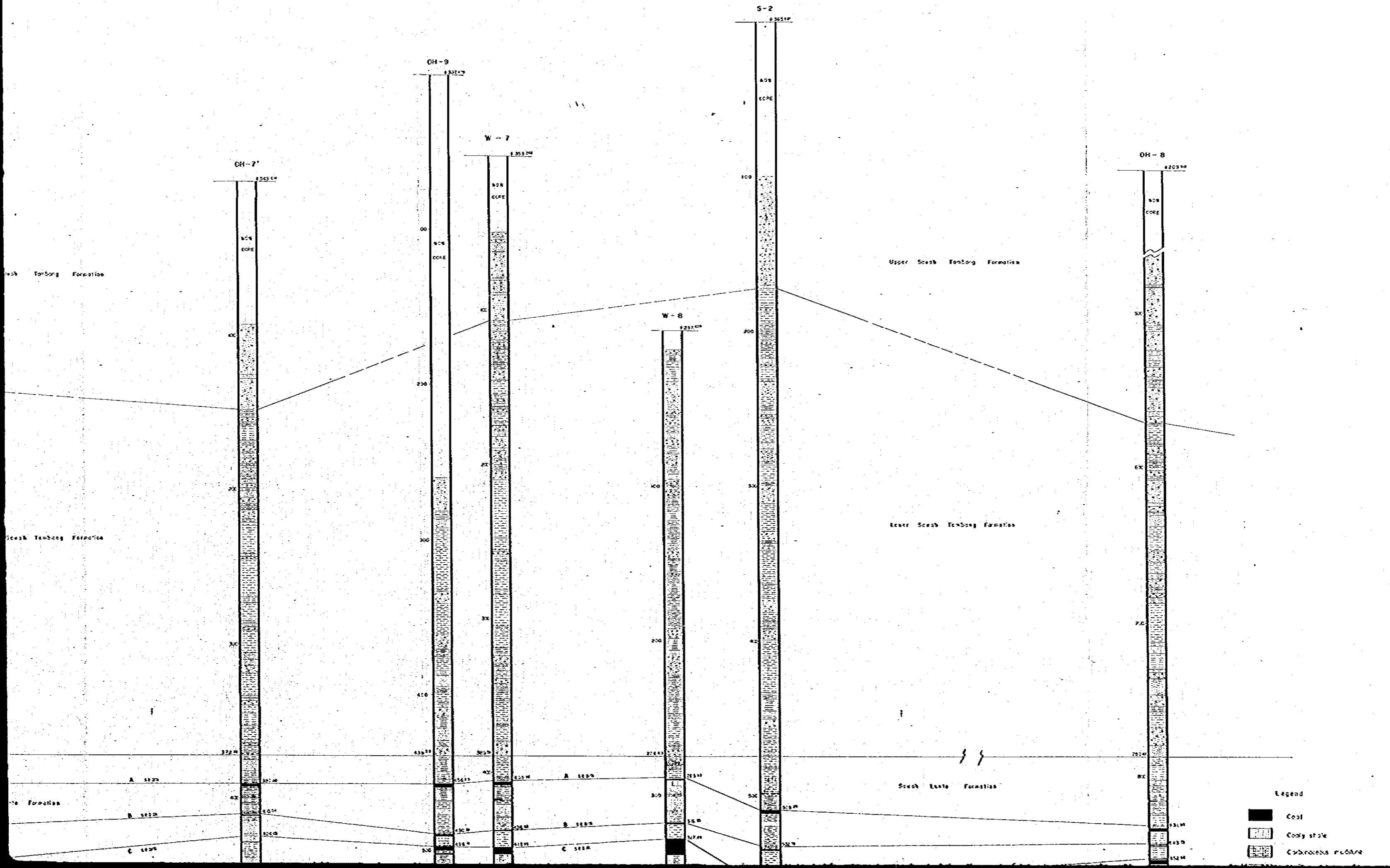
JAPAN INTERNATIONAL COOPERATION AGENCY

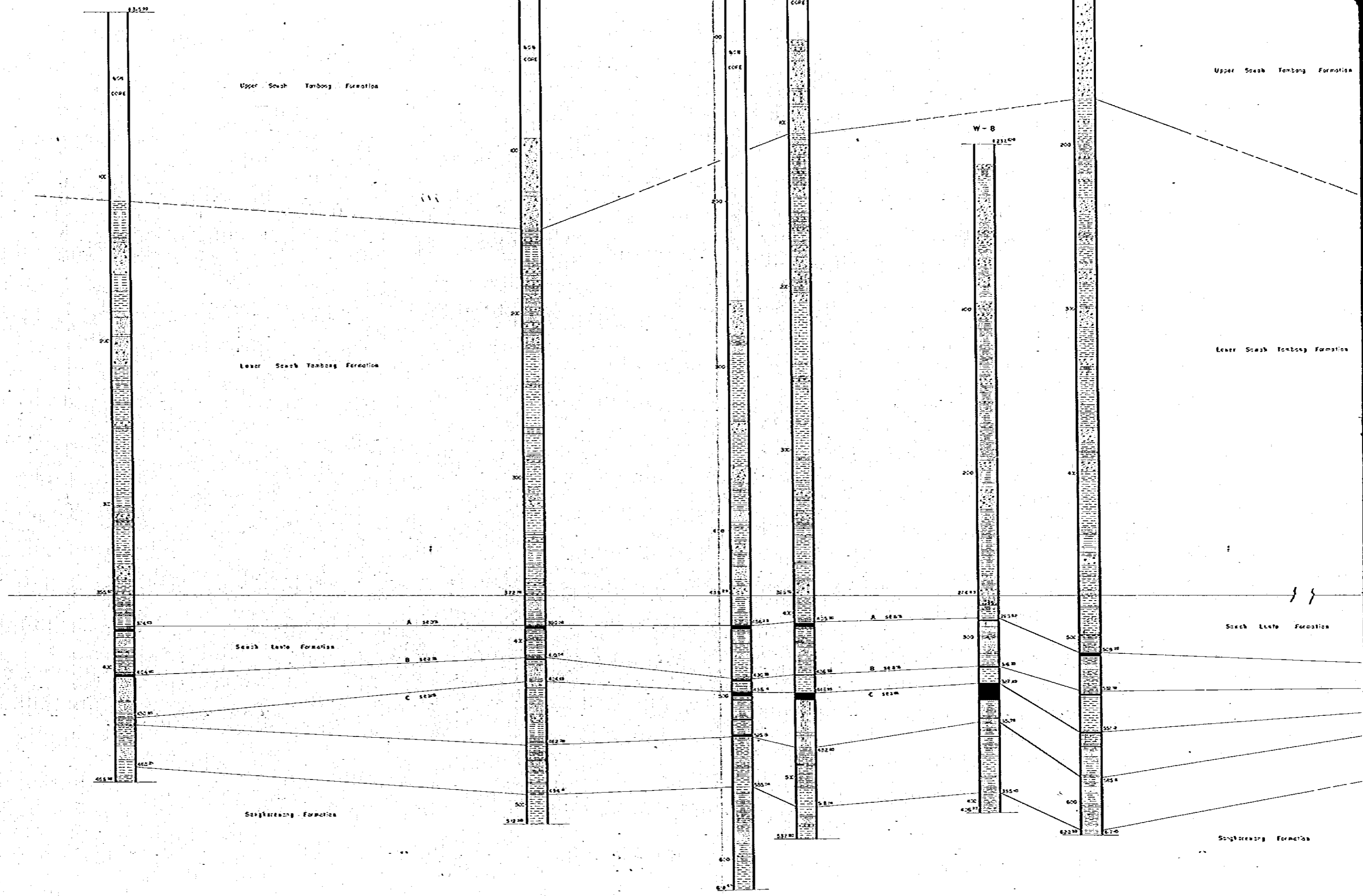
THE SURVEY FOR THE REHABILITATION OF CASLIN COAL MINE

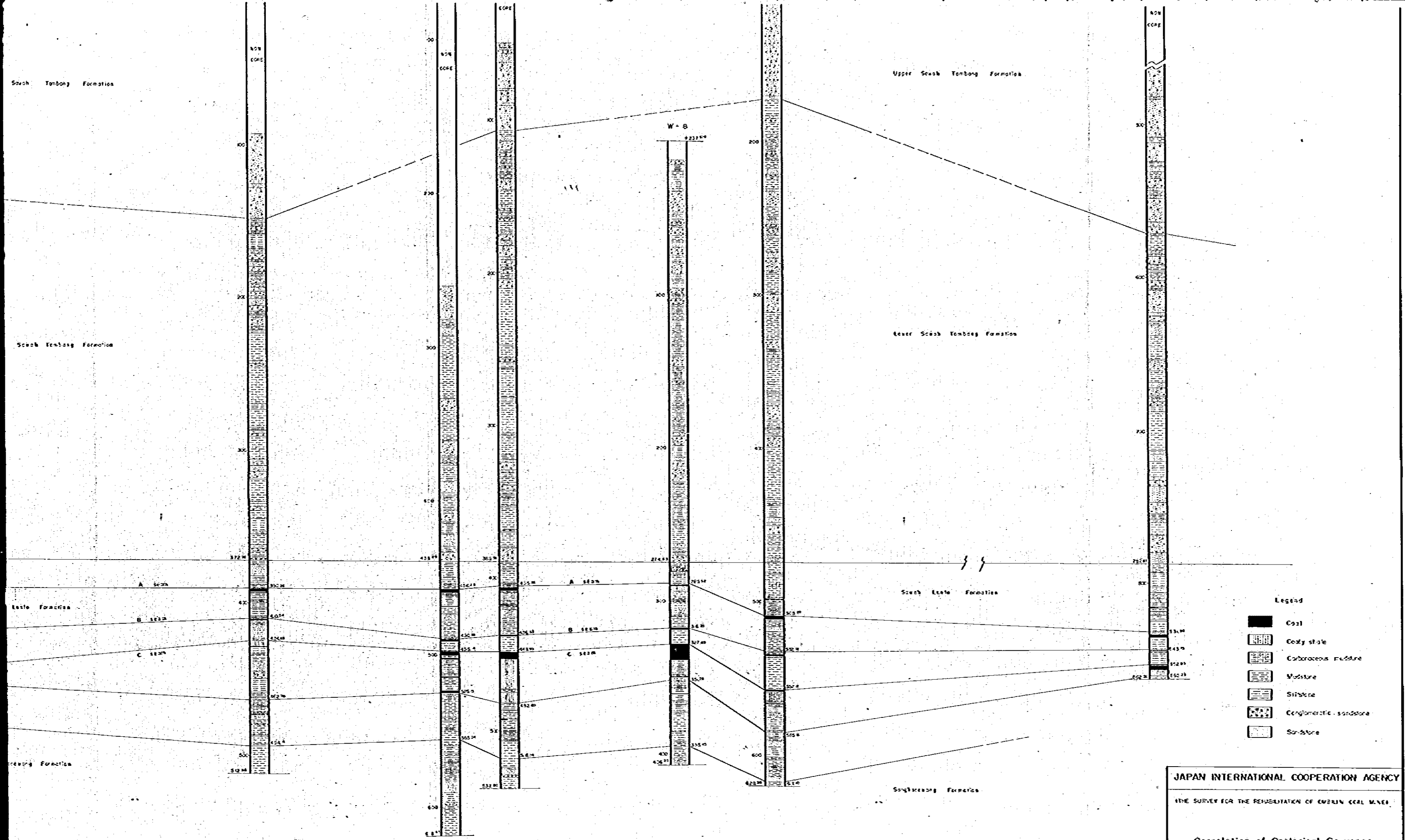
Correlation of Geological Sequence

Exp. No.	Se	Scale	1 : 1,000
Date	July, 1979	Prepared by	T. Kagiishi





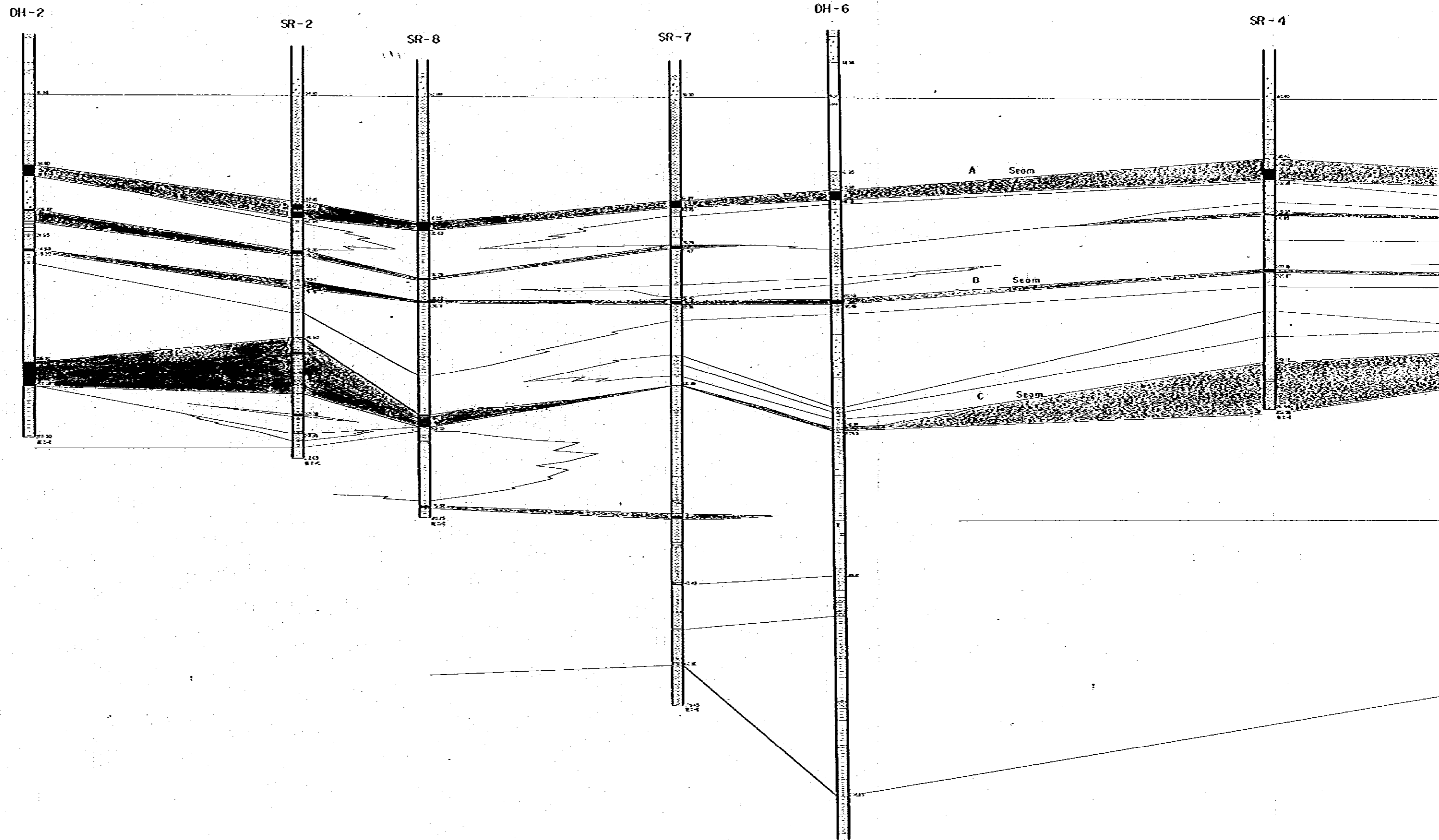




JAPAN INTERNATIONAL COOPERATION AGENCY
 THE SURVEY FOR THE REHABILITATION OF CHINA COAL MINES

Correlation of Geological Sequence

Eng. No.	50	Scale	1:1,000
Date	July, 1979	Prepared by	T. Nagashi

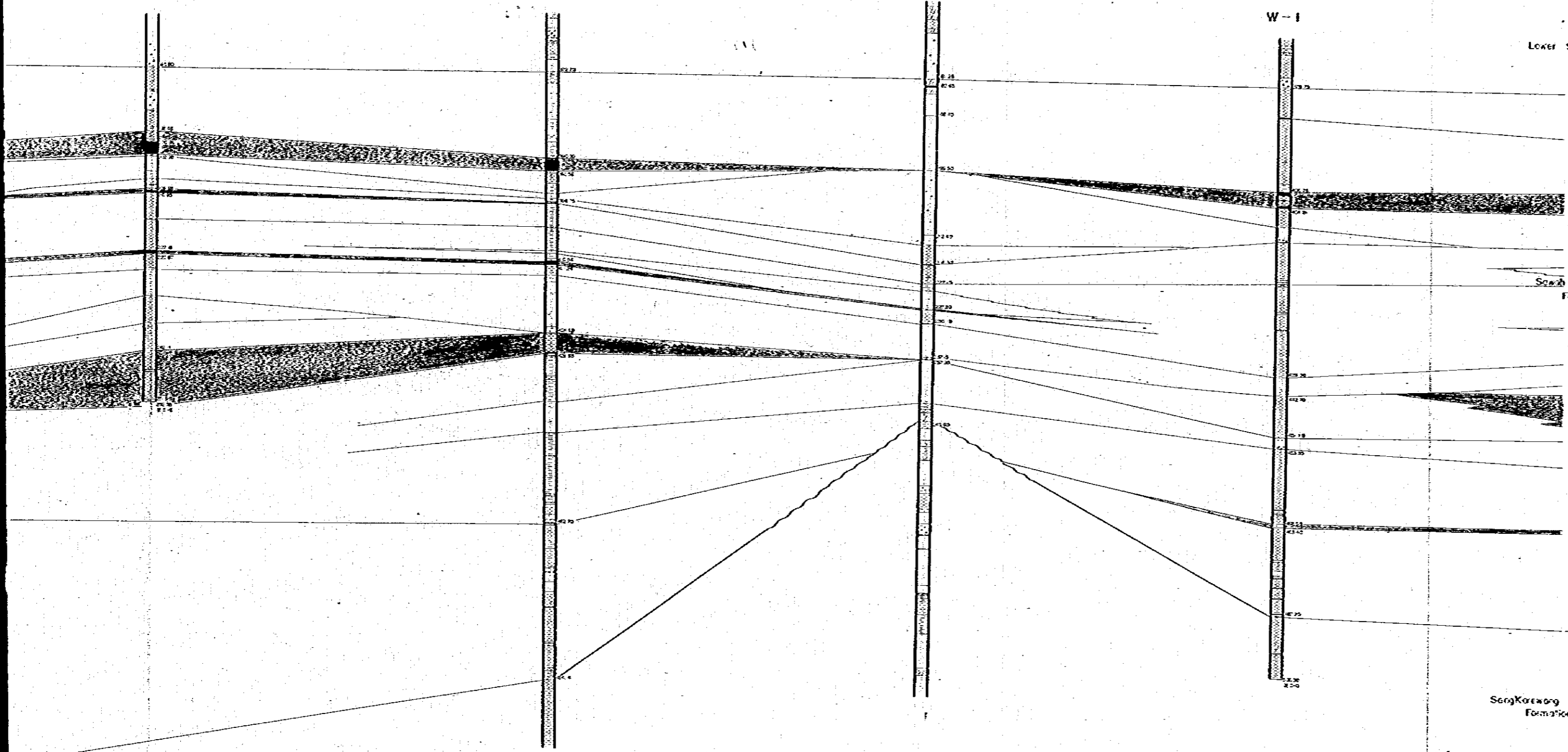


SR-4

DH-7'

DH-7

W-1













Lower Sawah Tombong Formation

Sawah Lunto Formation

Sangkarewang Formation

Legend

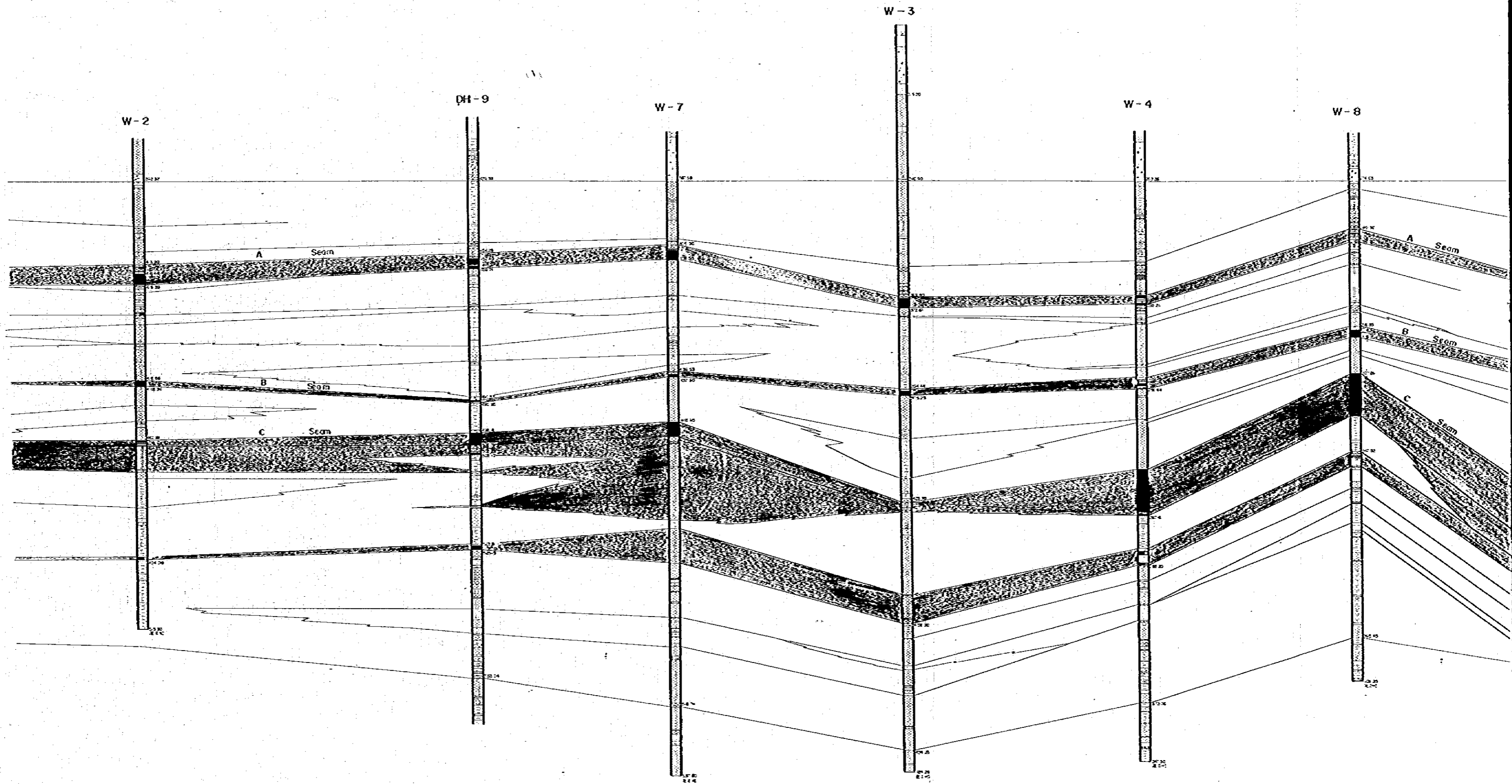
-  Coal, bright
-  Coal, inferior
-  Coaly shale
-  Carbonaceous mudstone
-  Mudstone
-  Siltstone
-  Conglomeratic sandstone
-  Coarse grained sandstone
-  Medium-fine grained sandstone
-  Clay (shaded zone)

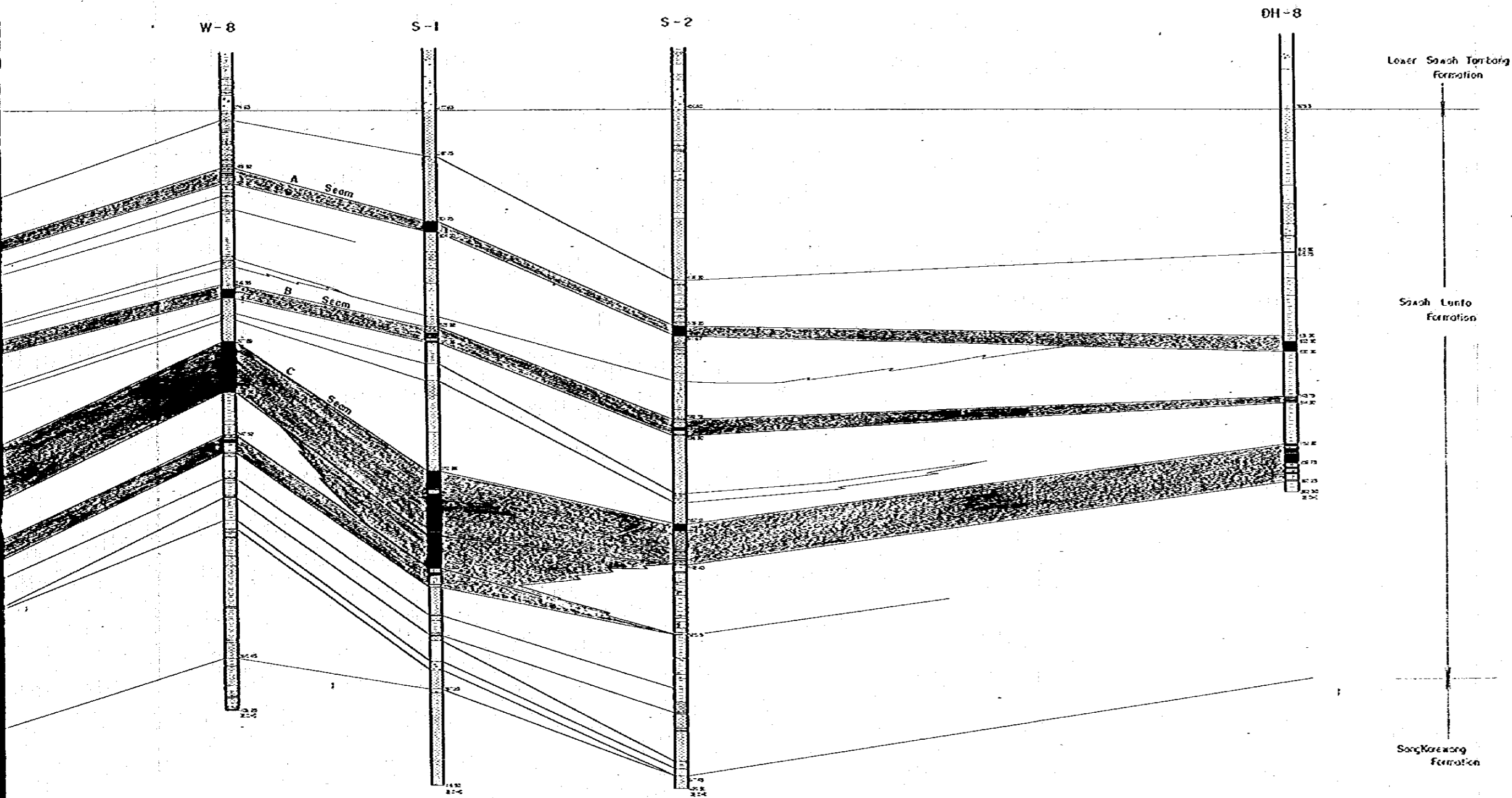
JAPAN INTERNATIONAL COOPERATION AGENCY

(THE SURVEY FOR THE REHABILITATION OF CEBU COAL MINES)

Development of Coal Seam
in Sawah Lunto Formation

Dwg No	64	Scale	Vert 1:400 Plan 1:4000
Date	July, 1979	Prepared by	S.Yoo, K.Ito, T.Nagata



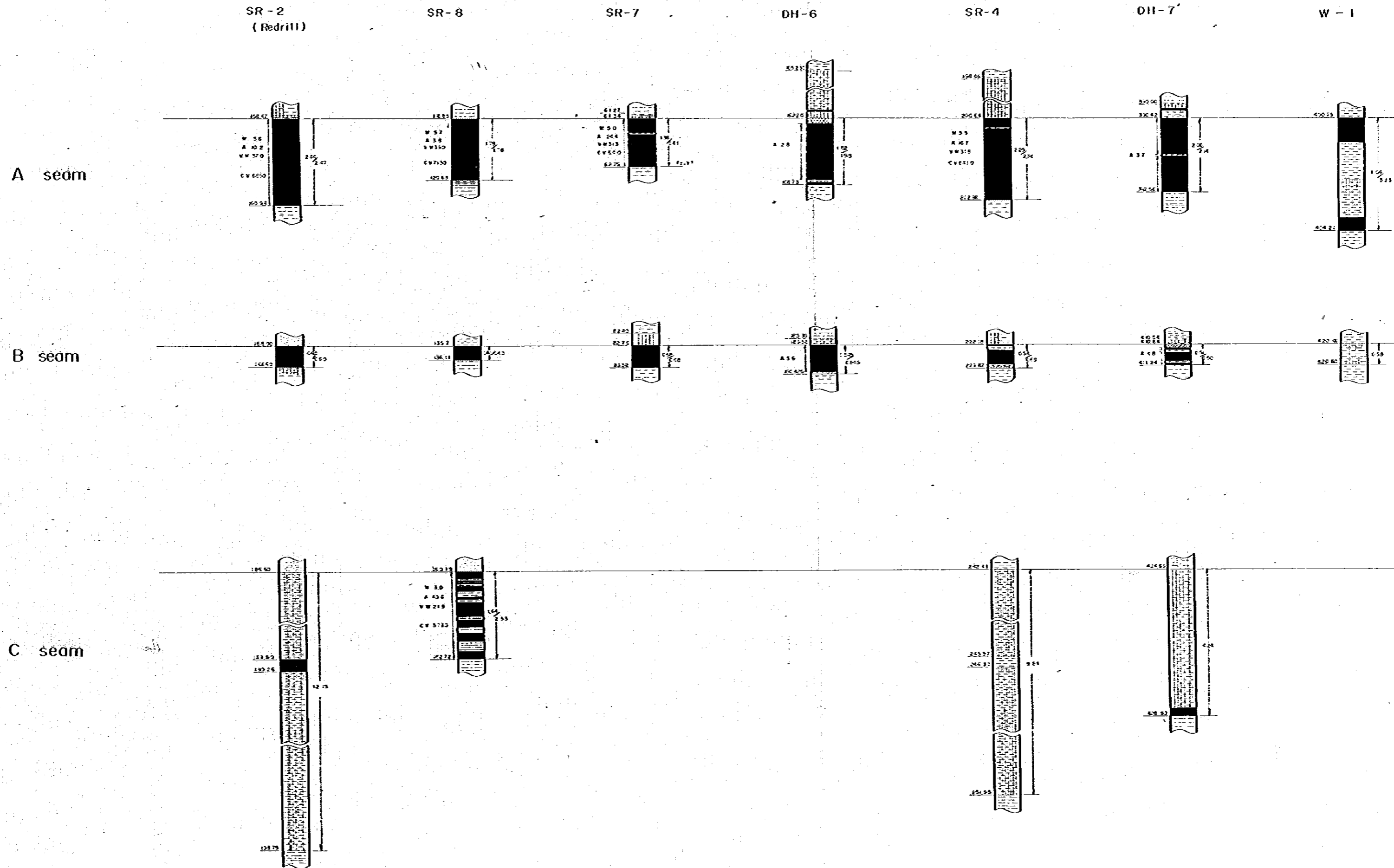


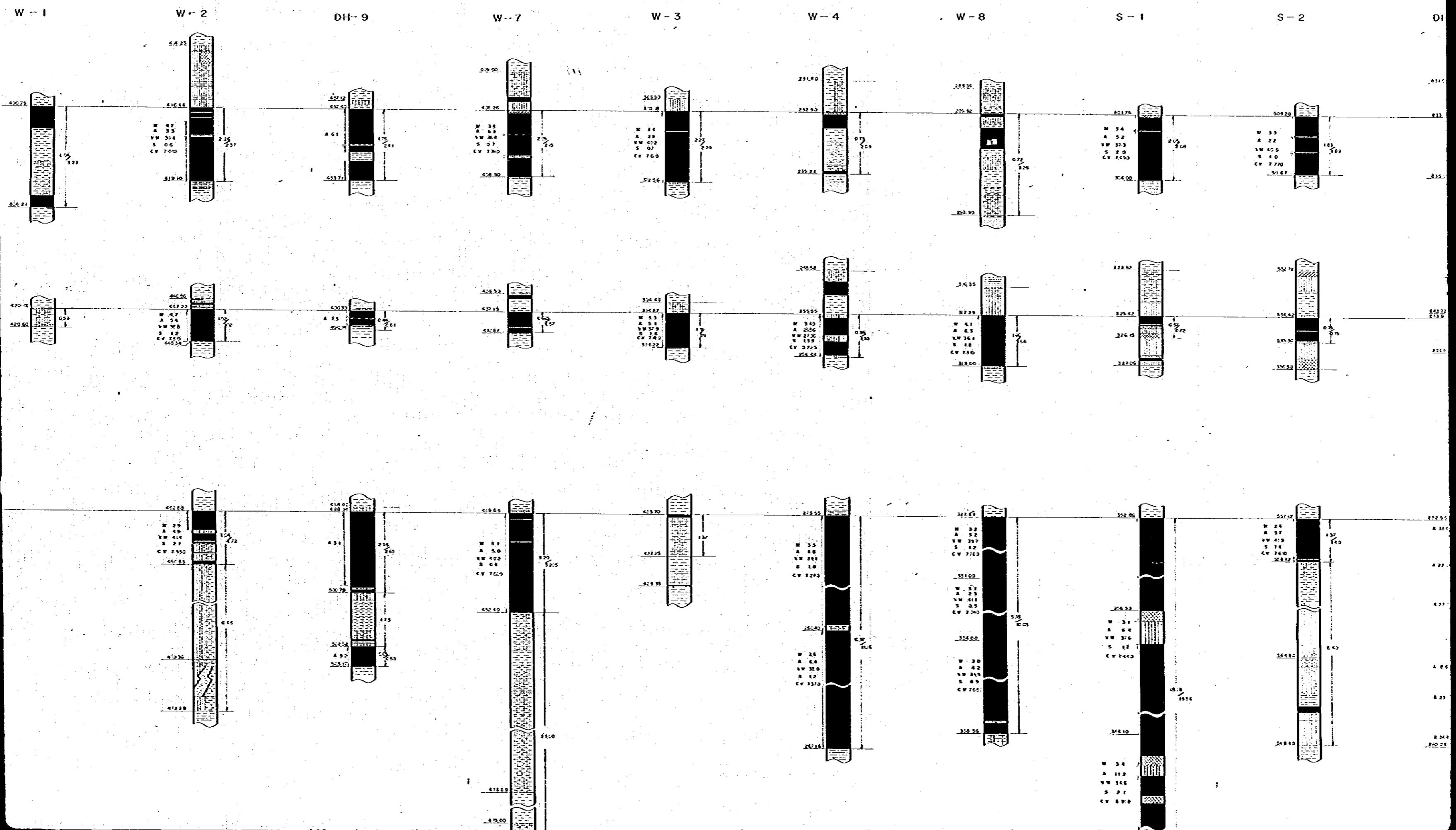
- Legend**
- Coal, bright
 - Coal, inferior
 - Coaly shale
 - Carbonaceous mudstone
 - Mudstone
 - Siltstone
 - Conglomeratic sandstone
 - Coarse grained sandstone
 - Medium-fine grained sandstone
 - Clay (steered zone)

JAPAN INTERNATIONAL COOPERATION AGENCY
 (LINE SURVEY FOR THE REHABILITATION OF EVSELN COAL MINE)

**Development of Coal Seam
 in Sawah Lunto Formation**

Doc No.	6b	Scale	Vert. 1:400 Horiz. 1:4,000
Date	July, 1979	Prepared by	SKOY, KITO, TAJIMA





W-7

W-3

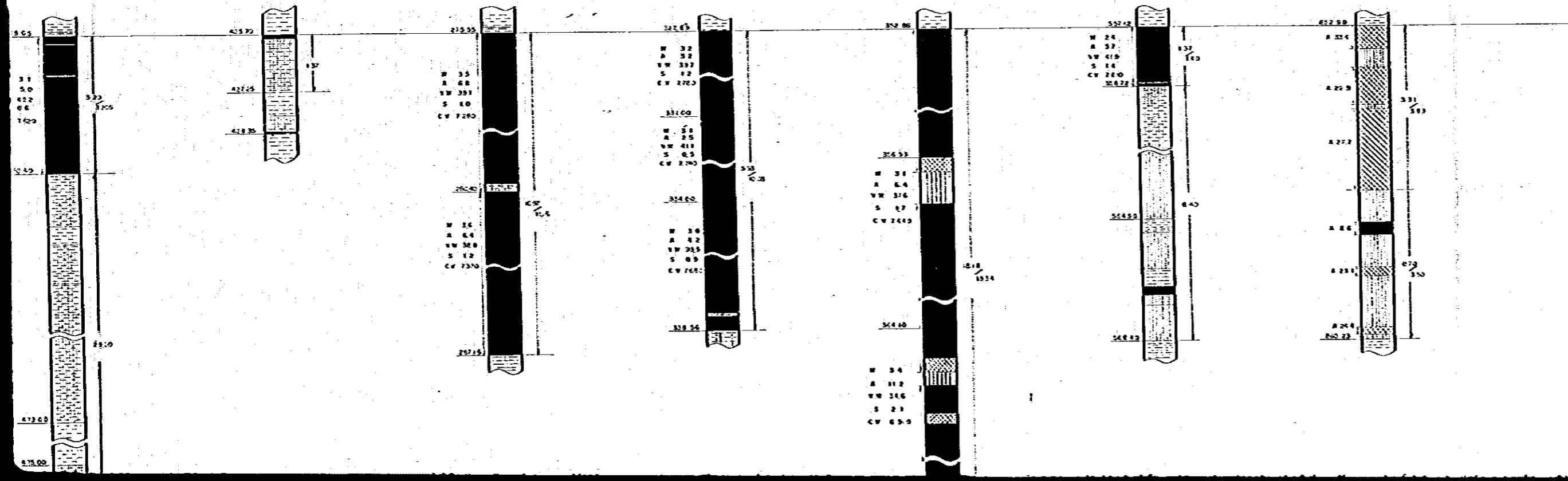
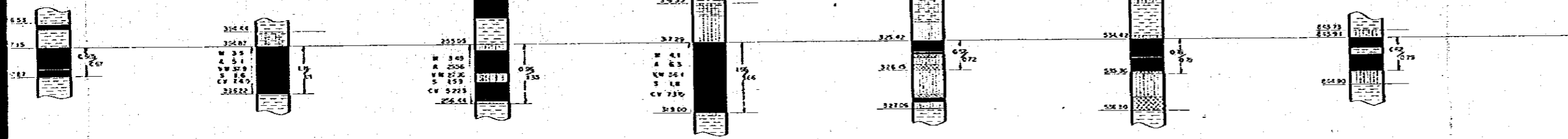
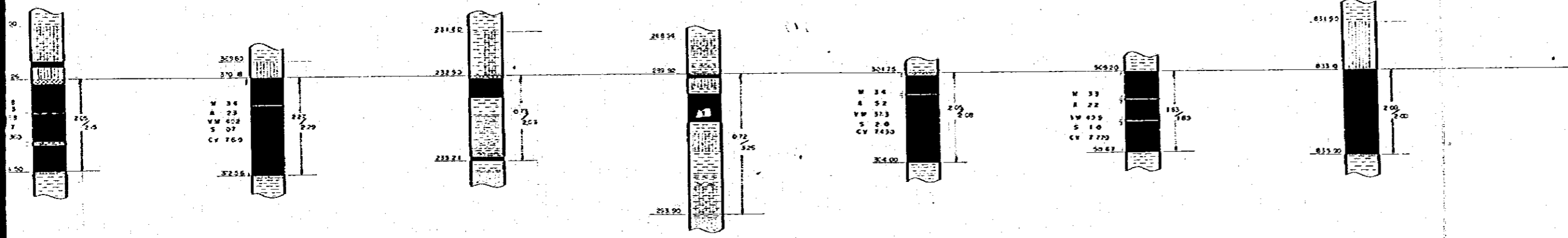
W-4

W-8

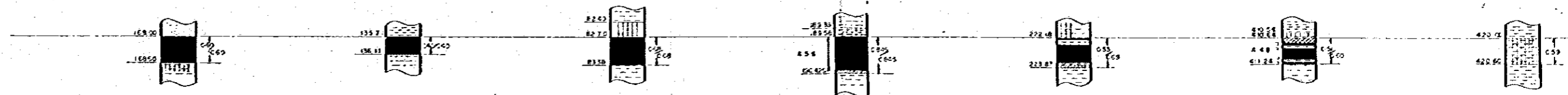
S-1

S-2

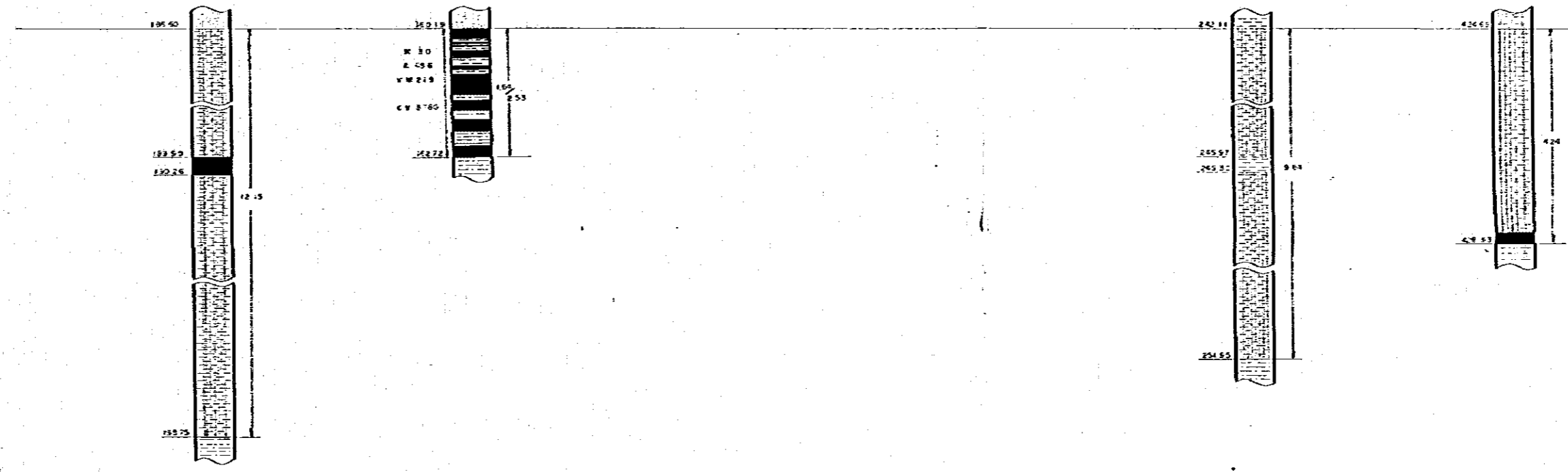
DH-8

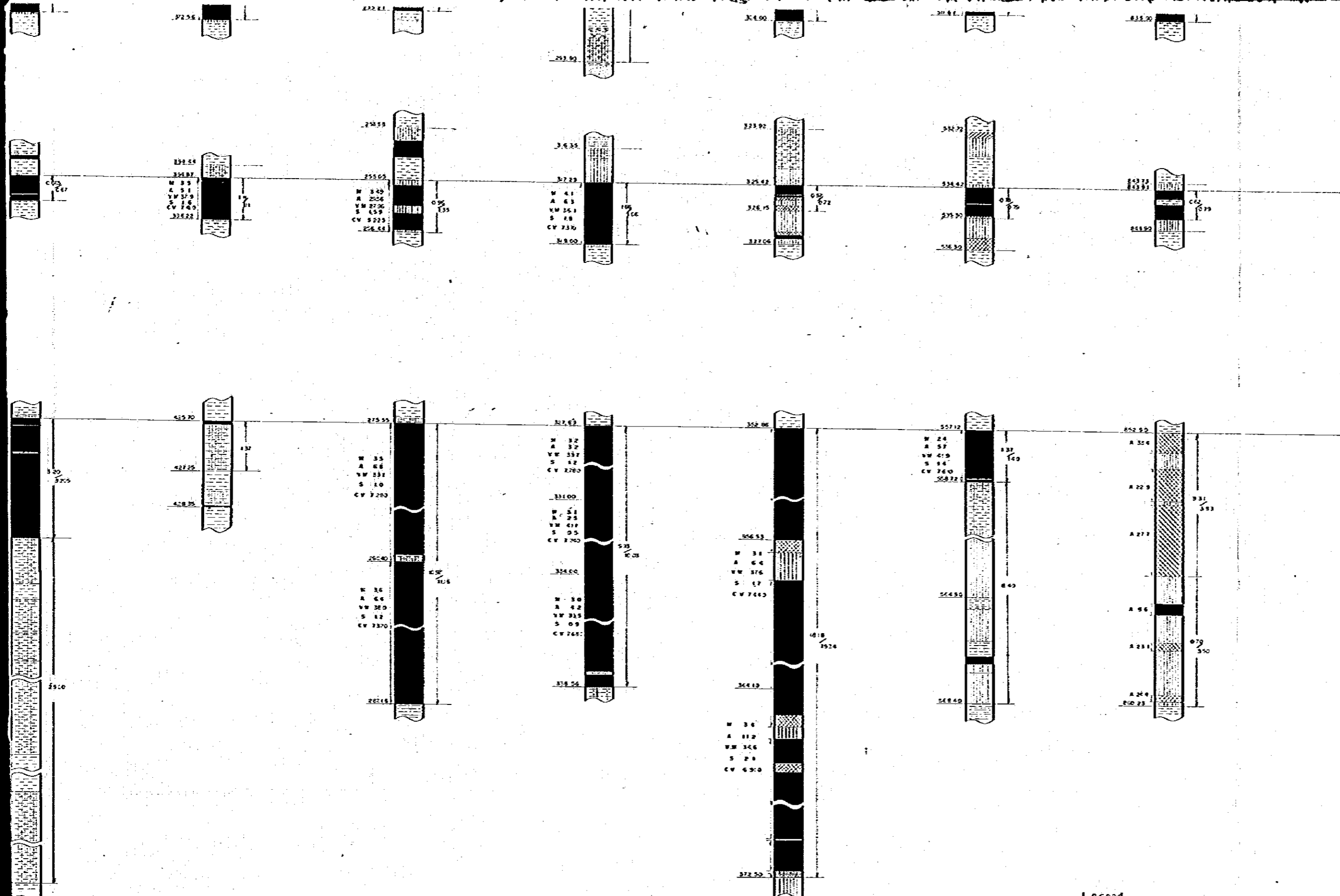


B seam



C seam





B seam

C seam

Legend

- Coal
- Coal, inferior
- Coaly shale
- Carbonaceous mudstone
- mudstone
- Siltstone
- Sandstone

- M. Inherent moisture %
- A. Ash %
- VM. Volatile matter %
- S. Total sulfur %
- C.V. Calorific Value kcal/kg.







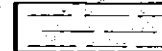
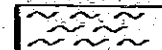
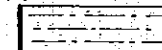
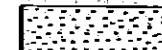
Remarks:
 W-LW-2.W-3.W-4.W-7.W-8S-1S-2 True thickness
 Others Apparent thickness

JAPAN INTERNATIONAL COOPERATION AGENCY
 THE SURVEY FOR THE REHABILITATION OF OUSUEN COAL MINE

Coal Seam Correlation

Org. No.	7	Scale	1:50
Date	July, 1979	Prepared by	K. Ito

Legend

-  coal, bright
-  coal, medium bright (midreuous)
-  coal, dull
-  coal, inferior
-  coaly shale
-  carbonaceous mudstone
-  mudstone
-  clay
-  siltstone
-  sandstone

JAPAN INTERNATIONAL COOPERATION AGENCY			
(THE SURVEY FOR THE REHABILITATION OF OMBLIN COAL MINE)			
Columnar Coal Section			
Dwg. No.	8	Scale	1 : 20
Date	July, 1979	Prepared by	K. Ito, T. Negishi

COLUMNAR COAL SECTION FOR A-SEAM, W-2

Scale, 1 : 20

SEAM NAME	DEPTH (M)	THICKNESS (M)		COLUMN	SAMPLE	DESCRIPTION	REMARKS
		APPARENT	TRUE				
	415.30					mudstone dark grey	
A-seam	415.50	1.00	0.97			coaly shale	
	415.65	0.07	0.06			mudstone carbonaceous	
						coaly shale w/ bright coal streaks	
	416.00	0.35	0.31				
	416.15	0.15	0.13			mudstone carbonaceous	
						coaly shale w/ bright coal streaks	
	416.44	0.29	0.26				
	416.60	0.16	0.14			coal, brittle	
	416.63	1.03	0.93			coaly shale	
	416.80	0.17	0.15			coal, brittle	
	416.83	0.03	0.03			clay carbonaceous	
	416.95	0.12	0.11			coal, brittle	
						coal, bright brittle & powdery in parts	x dipping 27°
224 134A (true)	417.43	0.40	0.43				
	417.49	0.06	0.05			mudstone, very fine grey	
224 237 (true)							
						coal, bright brittle in some part	
	419.10	1.81	1.43				
	419.22	0.12	0.11			mudstone carbonaceous	
	419.28	0.06	0.05			coaly shale	
	419.37	0.09	0.08			mudstone carbonaceous	
						mudstone massive pale grey	

COLUMNAR COAL SECTION FOR B-SEAM, W-2

Scale, 1 : 20


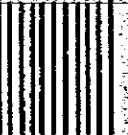




SEAM NAME	DEPTH (M)	THICKNESS (M)		COLUMN	SAMPLE	DESCRIPTION	REMARKS
		APPARENT	TRUE				
						micaceous charcoal burn hard, massive	
	446.86						
	446.91	0.05	0.05			dark coal, coaly shale	
	447.00	0.09	0.08			coaly shale	
B-seam	447.07	0.07	0.06			coal dull, powdered	
	447.12	0.05	0.05			coaly shale	
	447.15	0.03	0.03			coal, dull	
	447.22	0.07	0.06			coaly shale	
							dipping 25°
						coal, light, massive	
						dull in the lower part	
	448.26	1.04	0.95				
	448.34	0.08	0.07			coal, dull, hard	
						micaceous pale gray massive, rather soft	

COLUMNAR COAL SECTION FOR C-SEAM, W-2
Scale, 1 : 20

SEAM NAME	DEPTH (M)	THICKNESS (M)		COLUMN	SAMPLE	DESCRIPTION	REMARKS	
		APPARENT	TRUE					
C-SEAM	462.88							
						coal, bright, 18.30-50 medium bright, brittle	slightly so*	
		463.60	0.72	0.63				
		463.74	0.14	0.12			wooly shale w/ bright coal streaks	
							coal, dull brittle	
		464.00	0.26	0.23			wooly shale	
		464.03	0.03	0.03			coal, med. bright, med. dull	
		464.07	0.06	0.05			wooly shale & coal, med. w/ bright coal streaks	
		464.41	0.32	0.28			coal, dull	
		464.48	0.05	0.04			wooly shale & coal, med. w/ bright coal streaks	
		464.75	0.29	0.25			coal, dull	
		464.85	0.10	0.09				
						wooly shale, black & carb. sandstone, charcoal brown w/ bright coal streaks		
	470.36	5.51	4.77					
						med. to med. dark, bluish gray, w/ wooly shale		

COLUMNAR COAL SECTION FOR A-SEAM, W--3

Scale, 1 : 20

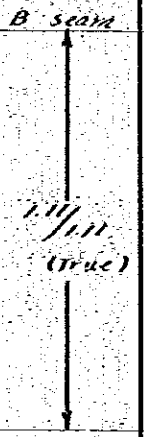
SEAM NAME	DEPTH (M)	THICKNESS (M)		COLUMN SAMPLE	DESCRIPTION	REMARKS
		APPARENT	TRUE			
	369.00				shale, grey, clayey	
	370.10	0.30	0.37		coaly shale	dip: 14°
					coal almost bright	
	370.87	0.69	0.86			
	370.89	0.02	0.02		coaly shale	
					coal almost bright	
	372.56	1.67	1.61			
	372.61	0.05	0.05		coaly shale mudstone, grey	dip: 18°

2.27 / 2.29
(true)

COLUMNAR COAL SECTION FOR B-SEAM, W-3

Scale 1:20

SEAM NAME	DEPTH (M)	THICKNESS (M)		COLUMN	SEAM	DESCRIPTION	REMARKS
		APPARENT	TRUE				
	394.44					mudstone, dark gray	
						carbonaceous mudstone	
B seam	394.07	0.43	0.35			coal dull to mid,	dip: 35°
						coal Almost bright 395.00 ~ 395.55 (2035 W.001 ~ 0.00) calcareous & pyrite	dip 35°
	396.22	1.35	1.11				
	396.25	0.03	0.02			carbonaceous shale	
						mudstone, dark gray	



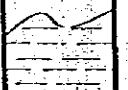





COLUMNAR COAL SECTION FOR B-SEAM, W-4

Scale, 1 : 20

SEAM NAME	DEPTH (M)	THICKNESS (M)		COLUMN	SAMPLE	DESCRIPTION	REMARKS
		APPARENT	TRUE				
	253.58					medium gray massive sandy, in parts.	
	253.95	0.37	1.36			medium carbonaceous ash-colored brown & coaly shale, massive	
	254.40	0.45	0.43			coal, dull coaly shale in lower	
						medium, light gray to black carbonaceous in parts	
B-SEAM	255.05	0.65	0.13			coaly shale	
	255.10	0.13	0.13			coal, dull to tan bright	
	255.31	0.13	0.13			coal, dull	255.31-255.61 core flushed out
	255.72	0.41	0.40			coaly shale, massive	
096 11.35 (true)	255.93	0.21	0.20			coal, dull to bright	Dip : 15°
	255.90	0.05	0.05			coal, bright, massive	
	256.37	0.39	0.38			coaly shale, massive	
	256.44	0.07	0.06			medium massive dark gray.	

COLUMNAR COAL SECTION FOR C-SEAM, W-4

Scale, 1 : 20

SEAM NAME	DEPTH (M)	THICKNESS (M)		COLUMN	SAMPLE	DESCRIPTION	REMARKS
		APPARENT	TRUE				
C-SEAM	275.20					msdstone, calc. gray, massive	
	275.55					msdstone, carbonaceous	
						coal, bright, massive	
	276.90						
						coal, medium bright massive	
	277.90						
						coal, bright, massive	
	280.20	4.65	4.47				
	280.40	0.20	0.19			msdstone, carbonaceous hard	

(continue)

