Depth of seam and core recovery of drill holes

TABLE 32

	7401			7402			7403		
	Top	Bottom	Core recovery	Top	Bottom	Core recovery		Top	Bottom	Core recovery
D seam	639.6'	653.0'	79.9%	453.4'	468.0'	95.9%	Upper	75.7'	87.9'	96.3%
E seam	793.2'	808.3'	97.2%	538.8'	554.5'	78.7%	Middle	96.9'	103.8'	82.3%
F seam	926.5'	940.6'	100.0%	724.9'	741.0'	99.7%	Lower	109.5'	125.3'	95.3%
I seam	1263.7'	1305.0'	95.8%	953.9'	974.9'	87.6%				91.4%
J seam	1321.7'	1353.9'	92.9%	1037.0'	1062.5'	89.0%				
			93.2%			90.2%				
End of depth	1406'			1100'			End of depth	227'		

Bird Seam

TABLE 33

Seam and Coal Thickness in Caribou Area and Center Area

NO.	D Seam	E Seam	F Seam	I Seam	J Seam
Trench 9	8.32 / 9.05	7.45 / 11.35	7.8 / 8.5	8.350+ / 10.87 +	14.500 / 15.700
Trench 7				13.15 / 15.20	17.75 / 19.35
DH7401	6.43 / 6.95	7.95 / 15.81	7.43 / 7.90	15.67 / 22.06	16.69 / 17.69
Trench 5	8.2 / 8.55	5.50 / 13.15	8.90 / 9.45	10.85 / 11.35	14.85 / 17.10
Trench 4		7.45 / 10.95		12.57 / 15.65	16.95 / 17.90
Trench 14	6.80 / 8.00	6.4 / 10.25	7.50 / 9.55	9.2 / 14.35	14.50 / 15.80
Trench 13	6.95 / 8.50	7.25 / 8.40	7.55 / 8.15	11.27 / 15.15	15.59 / 16.50
Trench 11	6.79 / 8.00	7.35 / 8.25	9.40 / 9.70	10.60 / 16.95	19.20 / 20.75
Trench 12	6.5 / 8.20	FROZEN (9.6) COAL	9.50 / 10.27	12.12 / 17.50	18.50 / 20.10
DH7402	7.18 / 8.68	6.09 / 9.02	6.41 / 7.75	8.81 / 10.64	17.59 / 18.03
Trench 15	7.50 / 8.25	8.30 / 9.40	8.30 / 9.25	10.33 / 15.45	19.95 / 20.20
Trench 16	7.10 / 10.50	6.55 / 8.45	10.55 / 11.00	11.44 / 15.15	17.00 / 17.49
Trench 17	8.43 / 10.45	8.05 / 8.40	9.70 / 10.35	8.57 / 15.05	15.07 / 19.15
Trench 18	9.10 / 10.20				

ROKE

GAMMA RAY NEUTRON LOG

605

EQUIPMENT DATA

GAMMA RAY		NEUTRON
RUN NO.	1206	RUN NO.	1206
TOOL MODEL NO.		TOOL MODEL NO.	
SERIES	1E	TOOL SERIAL NO.	1E
DETECTOR MODEL NO.		SONDE NO.	NEUTRON/NEUTRON
TYPE		DETECTOR MODEL NO.	
LENGTH	SPACING REFERENCED 18 INCH	TYPE	PROPORTIONAL
DISTANCE TO N. SOURCE	6.55 FT.	LENGTH	4 INCH
		SOURCE MODEL NO.	MSC-N-50-M
CASING		SPACING	NEUTRON
CASING TRUCK NO.	1277	SPACING	15 (+0.25)
MEASUREMENT TRUCK NO.	1277	TYPE	Am/Be
DATA DETAIL NO.		STRENGTH	5 Ra/Be 276

LOGGING DATA

RUN NO.	GAMMA RAY DATES	TIME	T.C. (SEC)	GAMMA RAY SENS. (API UNITS)	ZERO	API G. R. UNITS	T.C. (SEC)	NEUTRON ZERO	API N. UNITS
1	1000	1300	1.0	3	500	100	1.0	3	2000	0.0	77.5/10

REMARKS: 500 FEET = 2"
1 FIELD DIVISION = 100 FEET = 10"
500 FEET = 50"

GAMMA RAY

CASING

NEUTRON

FORMATION DENSITY

GAMMA RAY (INCREASES)

NEUTRON (INCREASES)

API 0 | 100 | 200

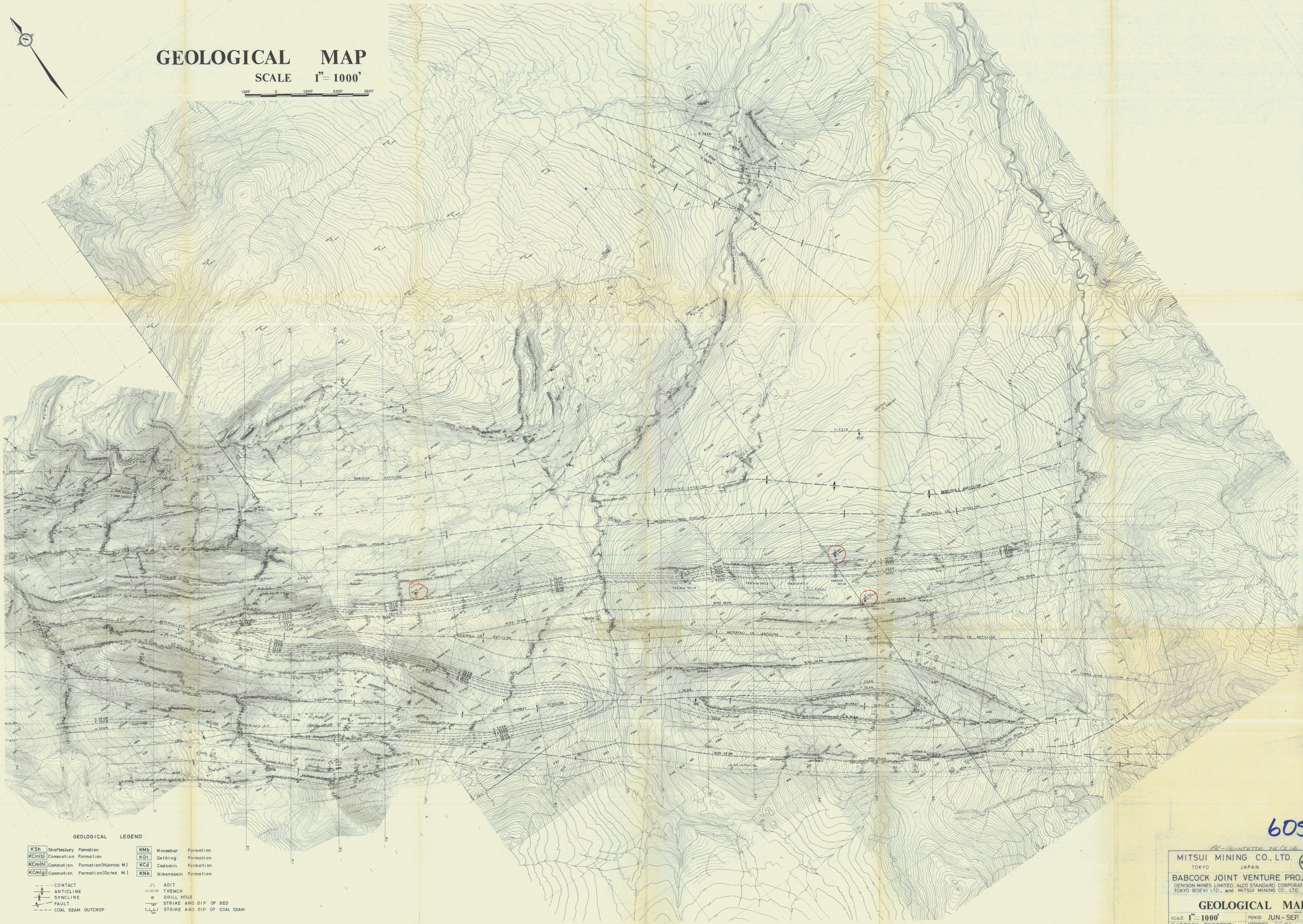
API 1100 | 1000 | 900

000 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900

GEOLOGICAL MAP

SCALE 1"= 1000'

1,000' 0 1,000' 2,000' 3,000'



GEOLOGICAL LEGEND

KSh	Shaftesbury Formation	KMb	Moosebar Formation
KCm(b)	Commotion Formation	KGt	Gething Formation
KCm(h)	Commotion Formation(Hulcross M.)	KCd	Cadomin Formation
KCm(g)	Commotion Formation(Gates M.)	KNk	Nikanassin Formation

- CONTACT
- ANTICLINE
- SYNCLINE
- FAULT
- COAL SEAM OUTCROP
- ADIT
- TRENCH
- DRILL HOLE
- STRIKE AND DIP OF BED
- STRIKE AND DIP OF COAL SEAM

605

PR-QUINTETTE 74(21)

MITSUI MINING CO., LTD.

TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT

DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD., and MITSUI MINING CO., LTD.

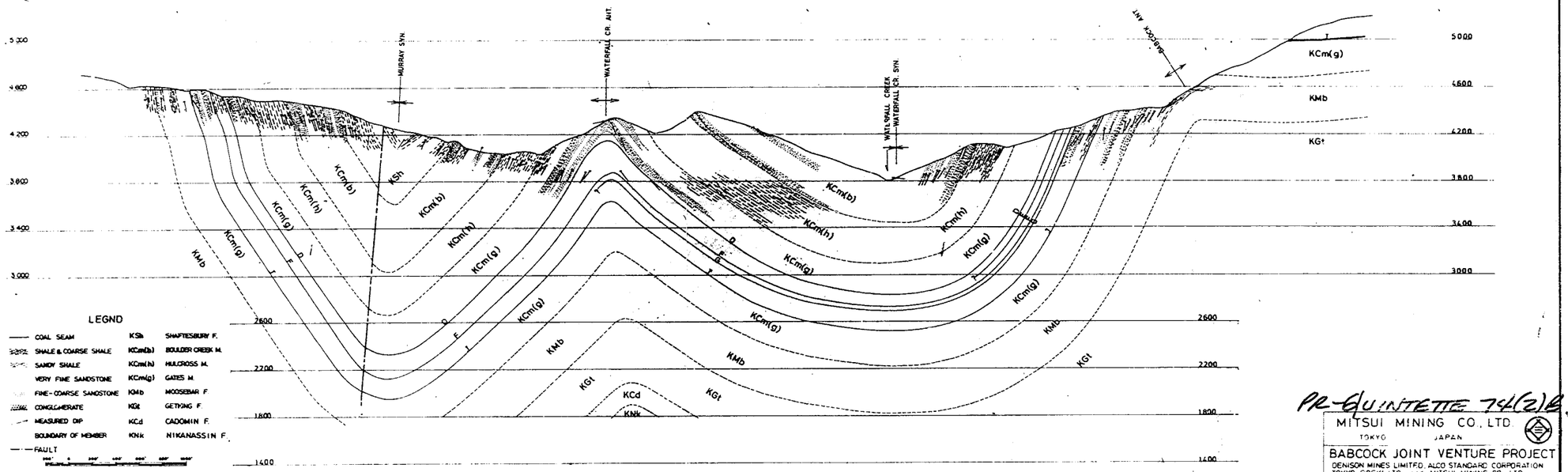
GEOLOGICAL MAP

SCALE 1"=1000'	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-03

COMP #28

CROSS SECTION 109

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F.
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
SANDY SHALE	KCm(h)	HULCROSS M.
VERY FINE SANDSTONE	KCm(g)	GATES M.
FINE-COARSE SANDSTONE	KMb	MOOSEBAR F.
CONGLOMERATE	KGt	GETHING F.
MEASURED DIP	KCd	CADOMIN F.
BOUNDARY OF MEMBER	KNk	NIKANASSIN F.
FAULT		

PR-QUINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION
TOKYO BOEKI LTD. AND MITSUI MINING CO., LTD.

CROSS SECTION 109

SCALE 1=1000'	PERIOD JUN.-SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-04-109

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

カナダ 三井鉱山 原料 23-15-1

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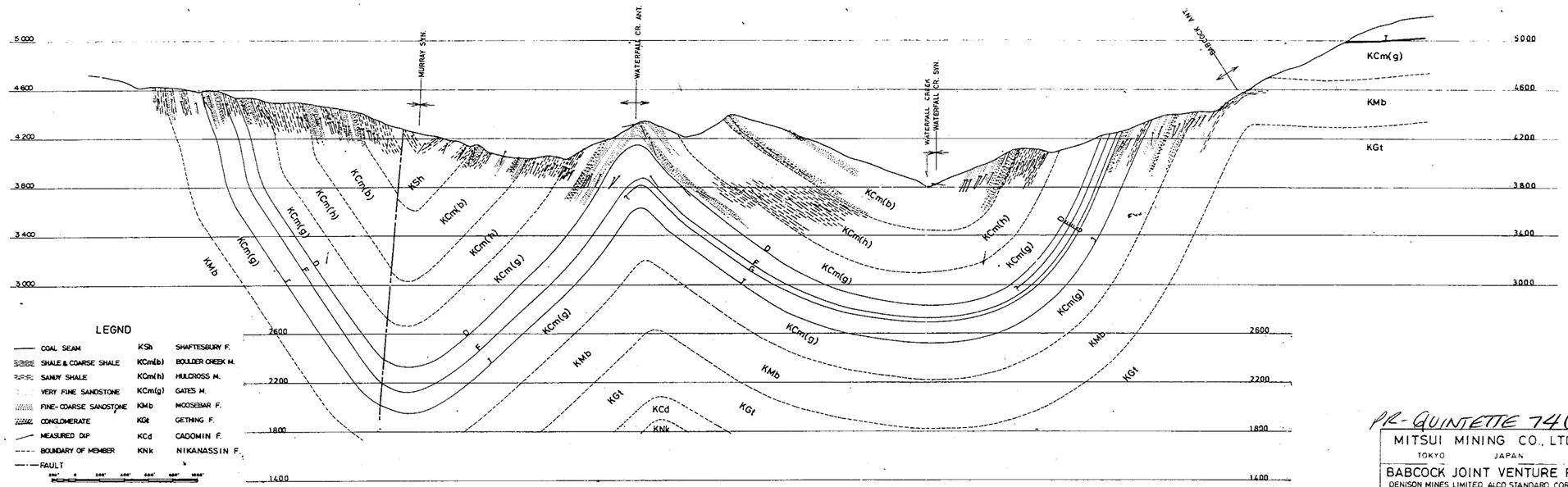
CROSS SECTION 109

SCALE 1"=1000'

Big Fowler



LEGND

COAL SEAM	KSh	SHAFTESBURY F.
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
SANDY SHALE	KCm(h)	HULCROSS M.
VERY FINE SANDSTONE	KCm(g)	GATES M.
FINE-COARSE SANDSTONE	KMb	MOOSEBAR F.
CONGLOMERATE	KGt	GETHING F.
MEASURED DIP	KCd	CADOMIN F.
BOUNDARY OF MEMBER	KNk	NIKANASSIN F.
FAULT		

PR-QUINTETTE 74(2)B.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

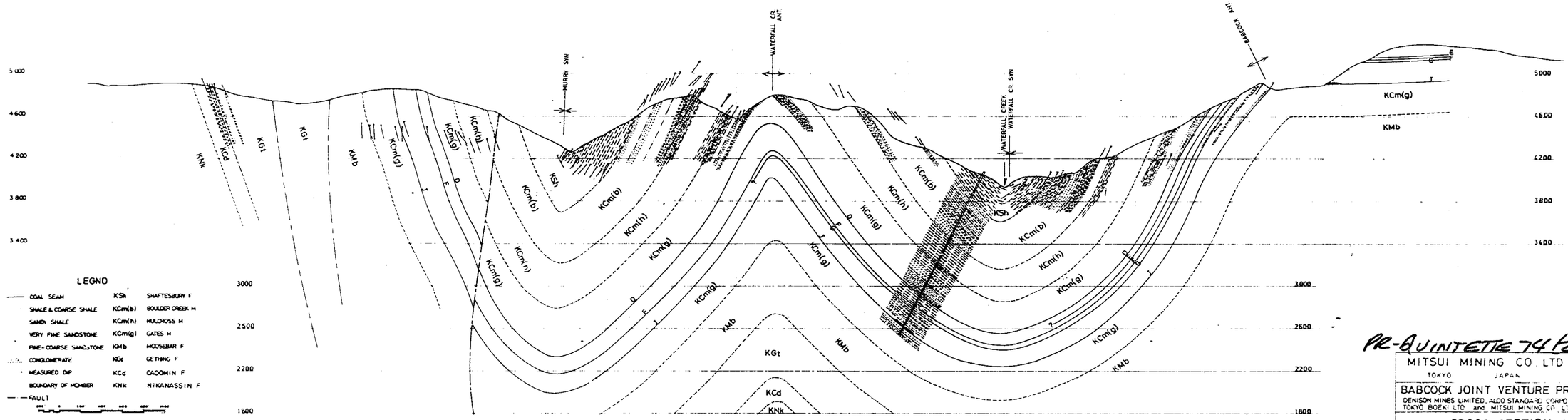
CROSS SECTION 109

SCALE 1"=1000'	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	NO. OF MAP 88CK-74-04-109

605

CROSS SECTION 110

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M
SANDY SHALE	KCm(h)	HULCROSS M
VERY FINE SANDSTONE	KCm(g)	GATES M
FINE-COARSE SANDSTONE	KMb	MOOSEBAR F
CONGLOMERATE	KGt	GETHING F
MEASURED DIP	KCd	CADOMIN F
BOUNDARY OF MEMBER	KNk	NIKANASSIN F
FAULT		

PR-QUINTETTE 74(2)B

MITSUI MINING CO. LTD
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION
TOKYO BOEKI LTD and MITSUI MINING CO. LTD.

CROSS SECTION 110

SCALE 1"=1000'	SURVEY JUN. SEP 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	NO. OF MAP BBCK-74-64-110

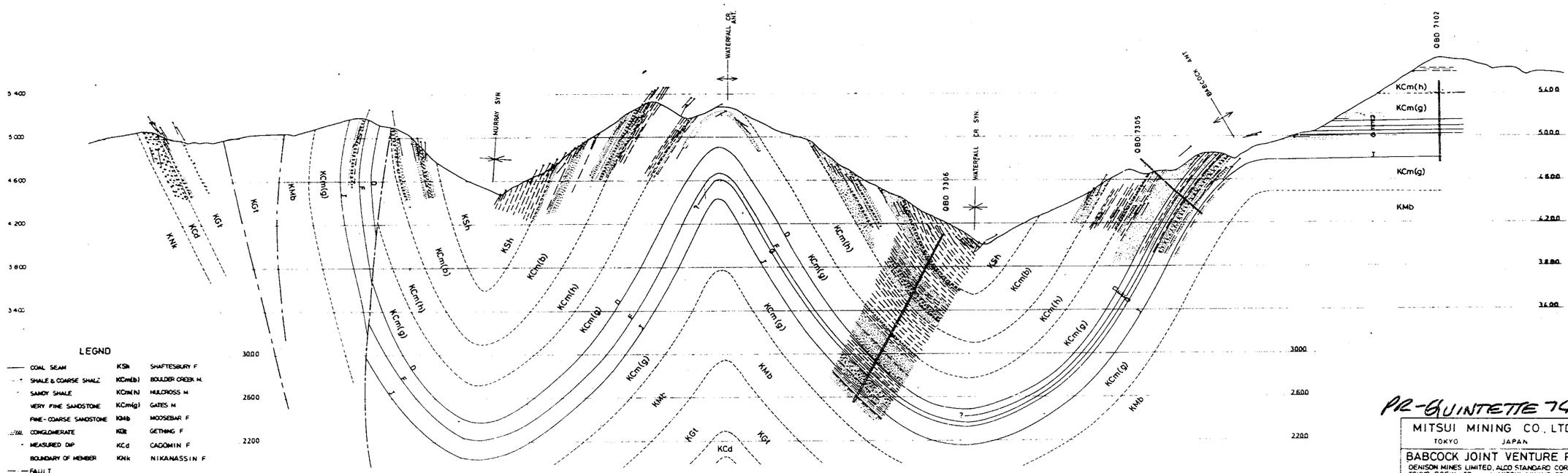
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

カナダ 三井鉱山開発㈱ 原料炭事業
No. 23-15-1

605

CROSS SECTION 111

SCALE 1" =1000'



LEGND

——	COAL SEAM	KSh	SHAFTESBURY F
- - -	SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
· · ·	SANDY SHALE	KCm(h)	HULCROSS M
	VERY FINE SANDSTONE	KCm(g)	GATES M
	FINE-COARSE SANDSTONE	KMb	MOOSEBAR F
	CONGLOMERATE	KGt	GETHING F
-	MEASURED DIP	KCd	CADOMIN F
	BOUNDARY OF MEMBER	KNk	NIKANASSIN F
— —	FAULT		

PR-QUINTETTE 74(2)B

MITSUI MINING CO. LTD
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION
TOKYO BOEKI LTD. and MITSUI MINING CO. LTD.

CROSS SECTION III

SCALE 1"=1000'	PERIOD JUN.-SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-04-III

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

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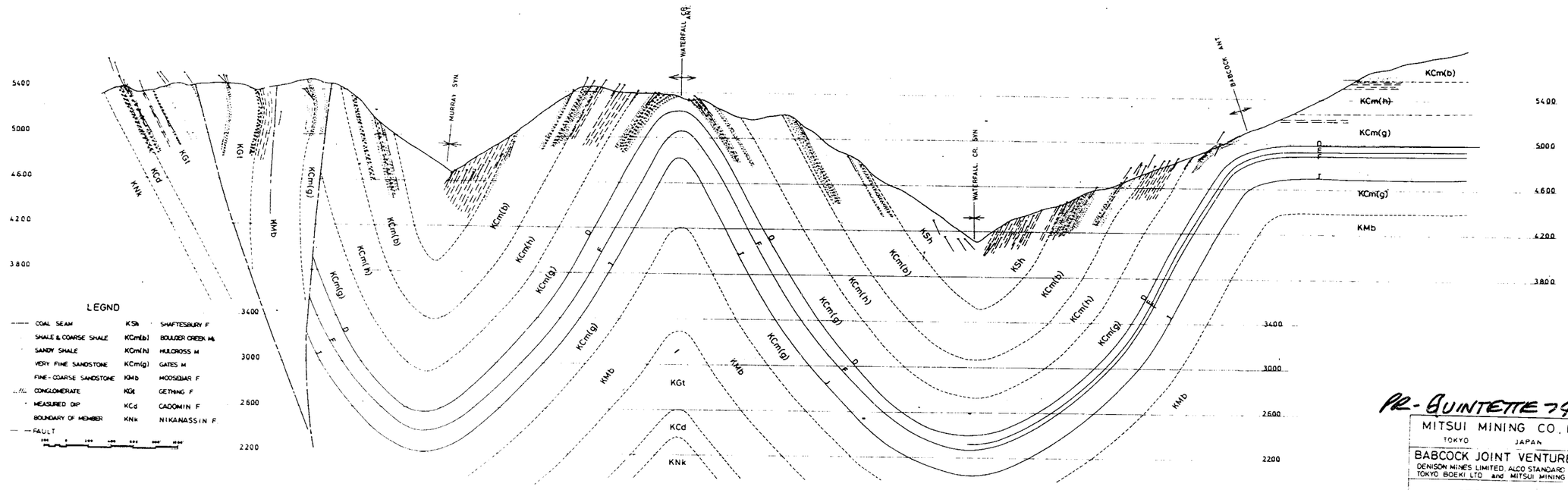
CROSS SECTION 112

SCALE 1" = 1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
SANDY SHALE	KCm(h)	HULCROSS M
VERY FINE SANDSTONE	KCm(g)	GATES M
FINE - COARSE SANDSTONE	KMb	MOOSEBAR F
CONGLOMERATE	KGt	GETHING F
MEASURED DIP	KCd	CADOMIN F
BOUNDARY OF MEMBER	KNk	NIKANASSIN F.
FAULT		

PR-QUINTETTE 74(2)B.

MITSUI MINING CO. LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION
TOKYO BOEKI LTD and MITSUI MINING CO. LTD.

CROSS SECTION 112

SCALE 1"=1000'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	NO. OF MAP BBCK-74-04-112

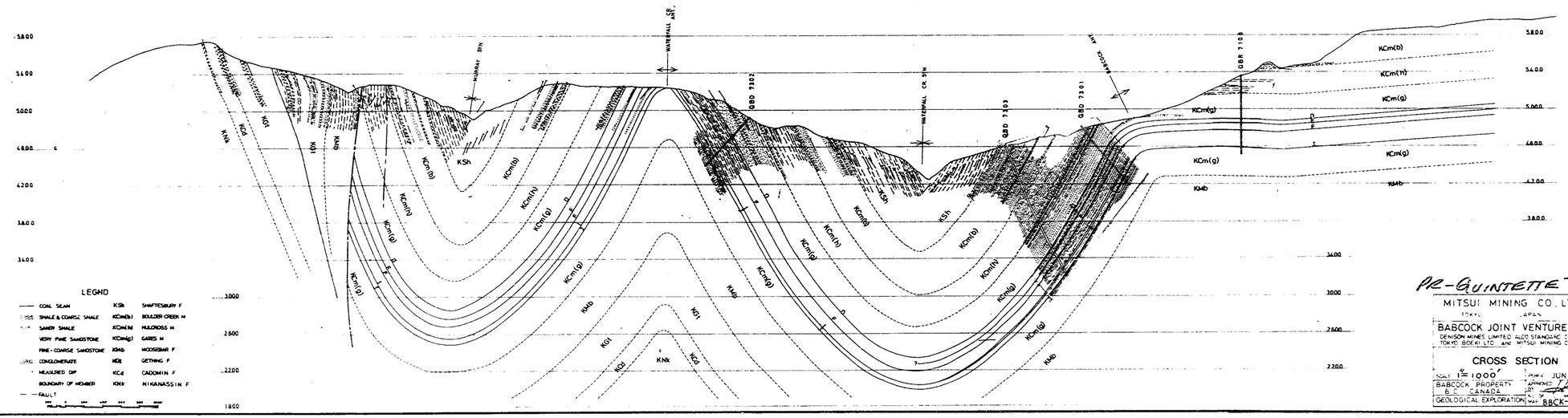
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

三井鉱山開発株式会社 原料炭部
No. 23-15-1

605

CROSS SECTION 113

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F.
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
SANDY SHALE	KCm(h)	HULCROSS M.
VERY FINE SANDSTONE	KCm(g)	GATES M.
FINE-COARSE SANDSTONE	KMb	MOOSEBAR F.
CONGLOMERATE	KGt	GETHING F.
MEASURED DIP	KCd	CADOMIN F.
BOUNDARY OF MEMBER	KNk	NIKANASSIN F.
FAULT		

PR-GUINTETTE 74(2)B.

MITSUI MINING CO. LTD
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED ALCO STANDARD CORPORATION
TOKYO BOEKI LTD. AND MITSUI MINING CO. LTD

CROSS SECTION 113

SCALE 1"=1000' DATE JUN-SEP. 1974
BABCOCK PROPERTY B.C. CANADA APPROVED
GEOLOGICAL EXPLORATION No. BBCK-7-04-113

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

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No. 23-15-7

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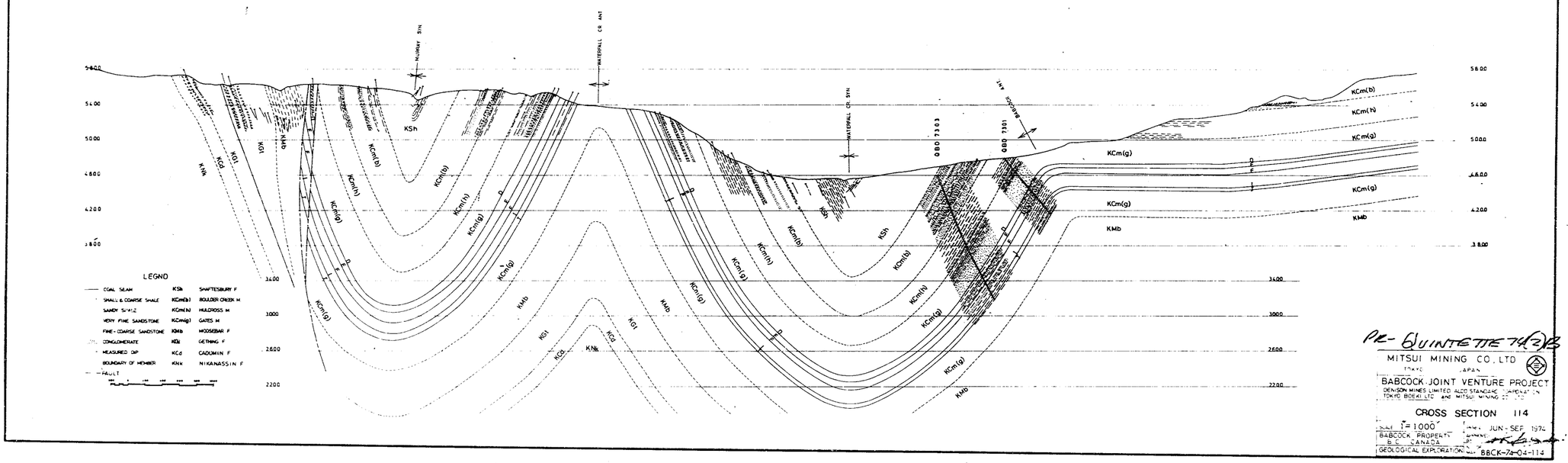
CROSS SECTION 114

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M
SANDY SHALE	KCm(h)	HULCROSS M
VERY FINE SANDSTONE	KCm(g)	GATES M
FINE - COARSE SANDSTONE	KMb	MOOSEBAR F
CONGLOMERATE	KGt	GETHING F
MEASURED DIP	KCd	CADOMIN F
BOUNDARY OF MEMBER	KNk	NIKANASSIN F
FAULT		

PE-QUINTETTE 74(2)B

MITSUI MINING CO. LTD
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED ALCO STANDARD CORPORATION
TOKYO BOEKI LTD and MITSUI MINING CO. LTD

CROSS SECTION 114

SCALE 1"=1000' | DATE JUN - SEP 1974
BABCOCK PROPERTY | DRAWN
B.C. CANADA
GEOLOGICAL EXPLORATION | BBCK-74-04-114

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 8 1975

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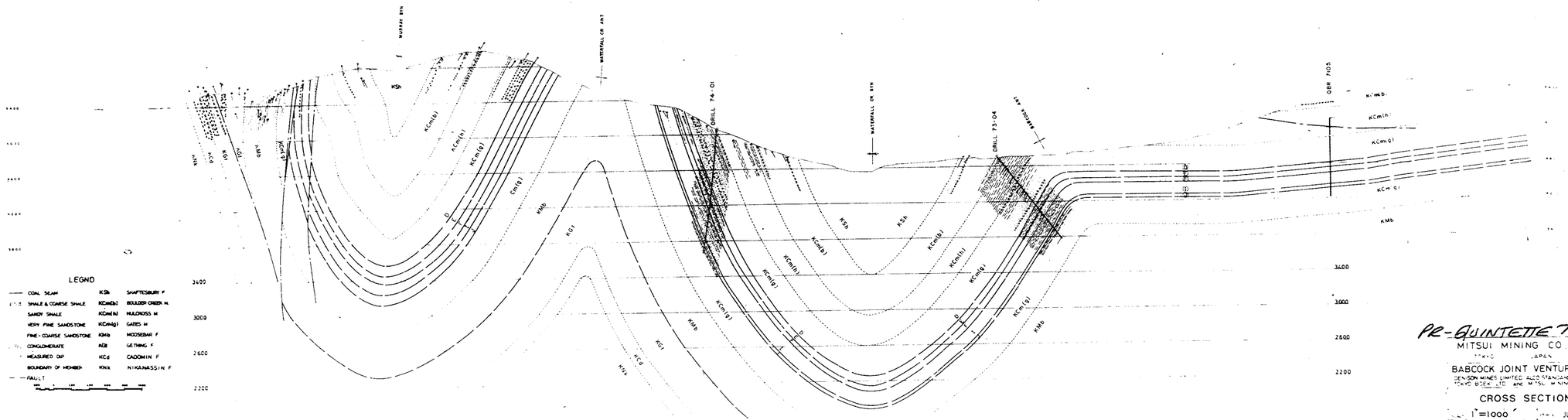
CROSS SECTION 116

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F	
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.	
SANDY SHALE	KCm(h)	MULCROSS M	
VERY FINE SANDSTONE	KCm(g)	GATES M	
FINE - COARSE SANDSTONE	KMb	MOOSEBAR F	
CONGLOMERATE	KGt	GETHING F	
MEASURED DIP	KCd	CADOMIN F	
BOUNDARY OF MEMBER	KNk	NIKANASSIN F	
FAULT			

PR-QUINTETTE 74(2)B.

MITSUI MINING CO LTD

TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT

DENISON MINES LIMITED ALGOSTANDARD CORPORATION
KANO BOEKI LTD AND MITSUI MINING CO LTD

CROSS SECTION 116

1"=1000' JUN - SEP 1974

BABCOCK PROSPECT
B.C. CANADA

GEOLOGICAL EXPLORATION NO. BBCK-74-04-116

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

93-15-7

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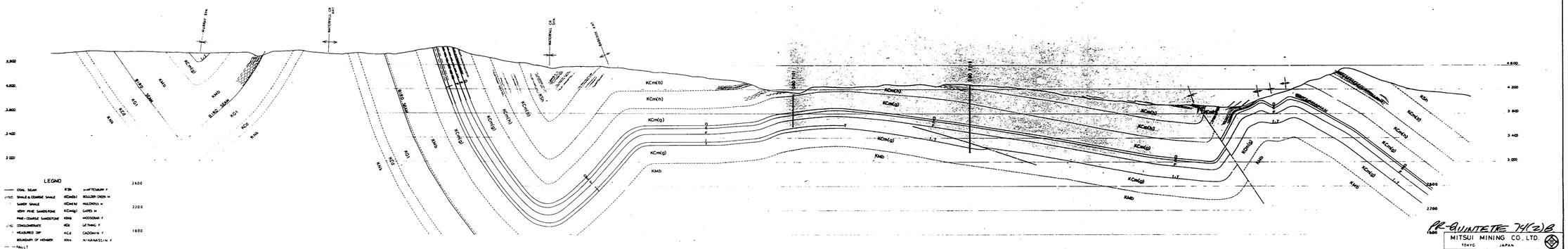
CROSS SECTION 121

SCALE 1"=1000'



PR-QUINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED AUTO ELECTRIC CORPORATION
TOHO BOEKI LTD. AND MITSUI MINING CO., LTD.

CROSS SECTION 121

SCALE 1" = 1000'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B.C. CANADA	DRAWN
GEOLOGICAL EXPLORATION No.	BBCR-74-04-121

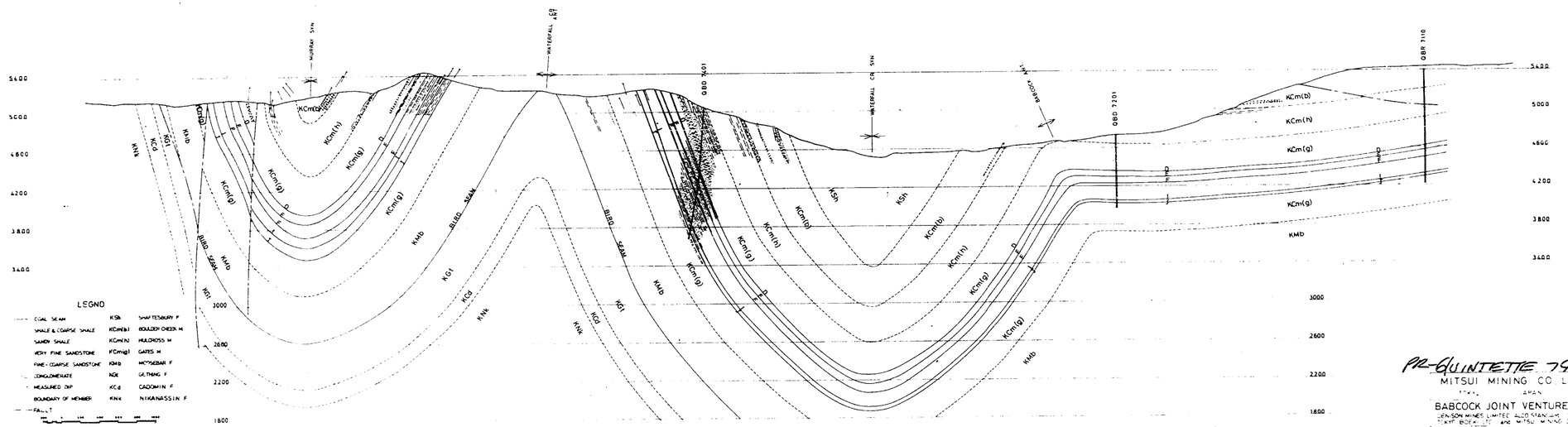
DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

原資料
No. 23-15-1

605

CROSS SECTION 117

SCALE 1"=1000'



PR-QUINTETTE 74(2)B

MITSUI MINING CO. LTD

TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT

JENSON MINES LIMITED ALCO STANDARD LIMITED

TEXPET BORAX LTD. AND MITSUI MINING CO. LTD.

CROSS SECTION 117

1"=1000' JUN - SEP 1974

BABCOCK PROPERTY BY

B.C. CANADA

GEOLOGICAL EXPLORATION BBCK-74-04-117

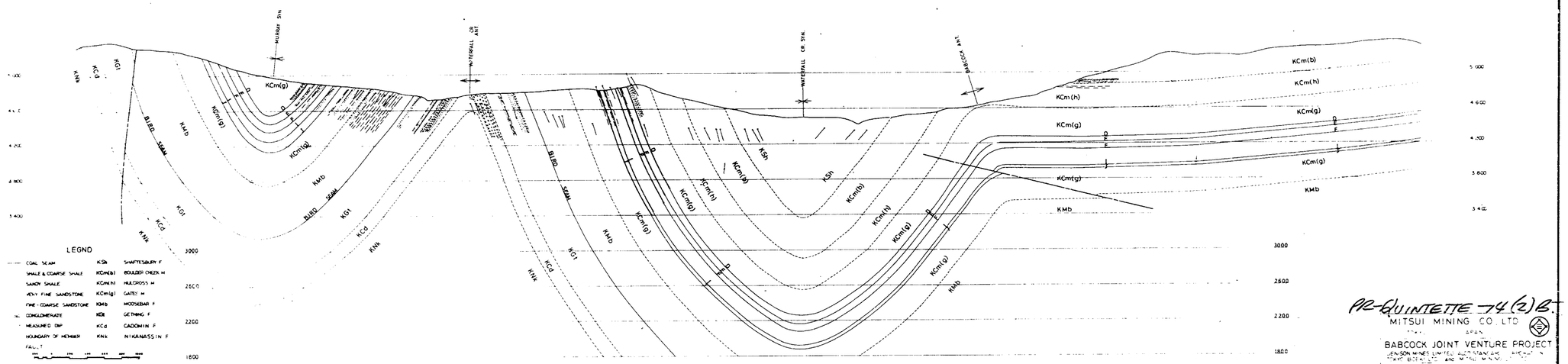
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

082-15W

605

CROSS SECTION 118

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M
SANDY SHALE	KCm(h)	HULCROSS M
VERY FINE SANDSTONE	KCm(g)	GATES M
FINE - COARSE SANDSTONE	KMb	MOOSEBAR F
CONGLOMERATE	KGE	GETHING F
MEASURED DIP	KCd	CADOMIN F
BOUNDARY OF MEMBER	KNK	NIKANASSIN F
FAULT		

PR-QUINTETTE-74(2)B.

MITSUI MINING CO. LTD

JAPAN

BABCOCK JOINT VENTURE PROJECT

JENSON MINES LIMITED, AUSTANVOR, KIKUTA & SANKO BOSAI LTD. AND MITSUI MINING

CROSS SECTION 118

SCALE 1"=1000' DATE JUN-SEP 1974

BABCOCK PROPERTY B.C. CANADA DRAWN

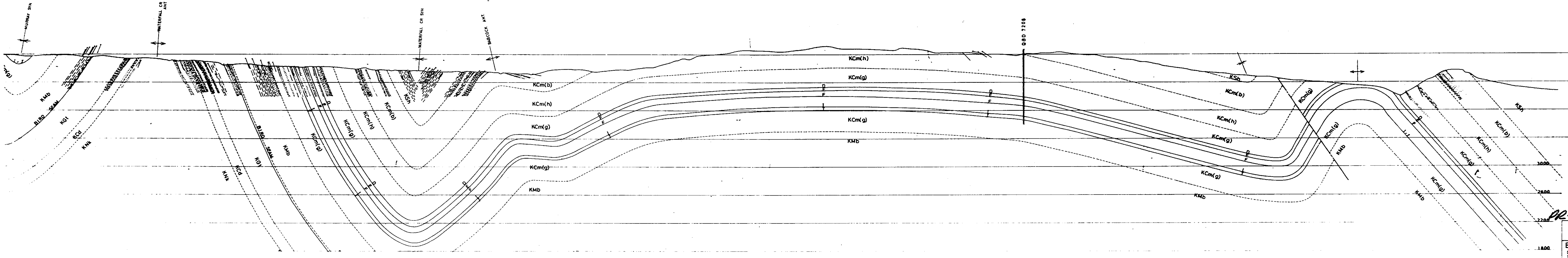
GEOLOGICAL EXPLORATION No. BBCK-74-04-118

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

605

CROSS SECTION 120

SCALE 1"=1000'



PR-QUINTETTE 74(2)B

MITSUI MINING CO. LTD. TOKYO JAPAN	
BABCOCK JOINT VENTURE PROJECT DENISON MINES LIMITED, ALCO STANDARD CORPORATION TOKYO BOEKI LTD and MITSUI MINING CO. LTD	
CROSS SECTION 120	
SCALE 1"=1000'	PERIOD JUN.-SEP 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY [signature]
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-04-120

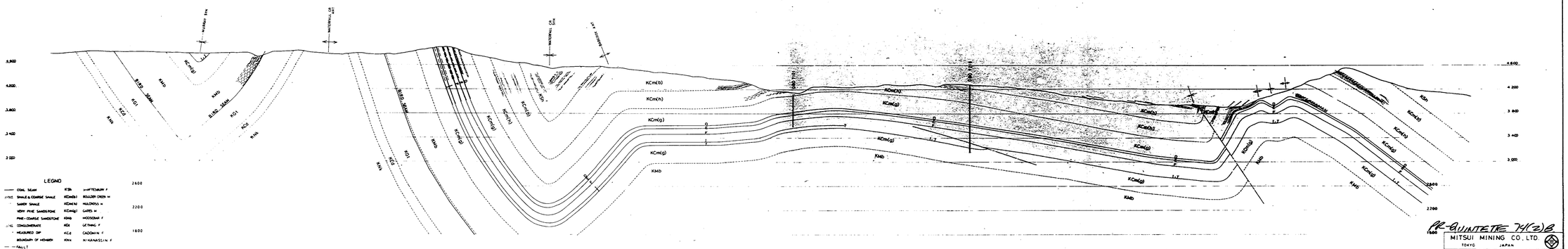
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

カナダ
三井鉱山
開発
No. 23-15-1
原料

605

CROSS SECTION 121

SCALE 1"=1000'



PR-QUINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED AUTO ELECTRIC CORPORATION
TOHO BOEKI LTD. AND MITSUI MINING CO., LTD.

CROSS SECTION 121

SCALE 1" = 1000'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B.C. CANADA	DRAWN
GEOLOGICAL EXPLORATION No.	BBCR-74-04-121

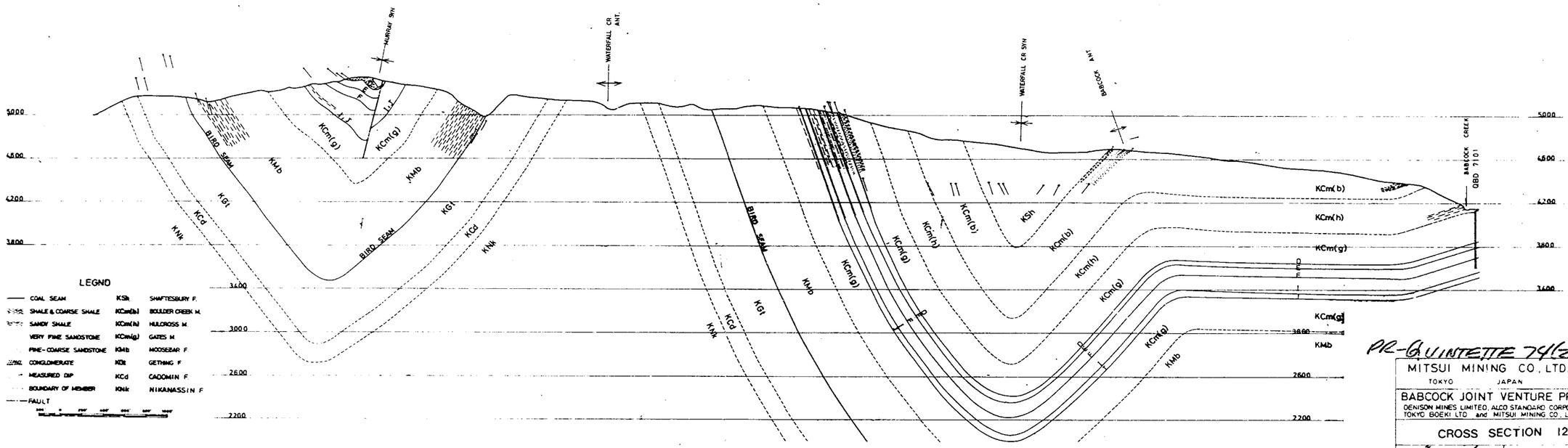
DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

原資料
No. 23-15-1

605

CROSS SECTION 122

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F.
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
SANDY SHALE	KCm(h)	HULCROSS M.
VERY FINE SANDSTONE	KCm(g)	GATES M.
FINE-COARSE SANDSTONE	KMb	MOOSEBAR F.
CONGLOMERATE	KGt	GETHING F.
MEASURED DIP	KCd	CADOMIN F.
BOUNDARY OF MEMBER	KNk	NIKANASSIN F.
FAULT		

PR-QUINTETTE 74(2)16.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD and MITSUI MINING CO., LTD

CROSS SECTION 122

SCALE 1"= 1000'	PERIOD JUN - SEP 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-04-122

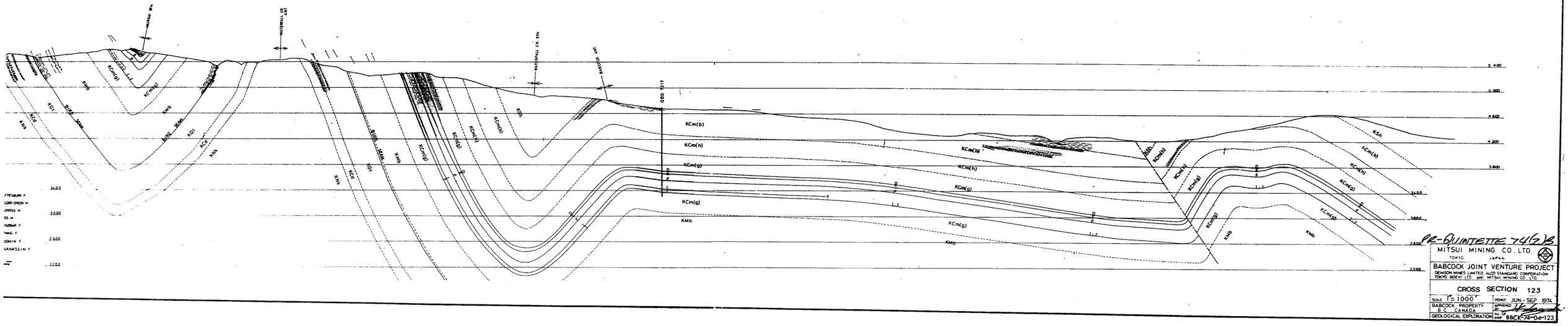
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

三井鉱山
23-15-1

605

CROSS SECTION 123

SCALE 1"=1000'



PR-QUINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED ALCO STANDARD CORPORATION
TOKYO BOEKI LTD. and MITSUI MINING CO. LTD.

CROSS SECTION 123

SCALE 1"= 1000'	PERIOD JUN - SEP 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF DWG. BBCK-74-04-123

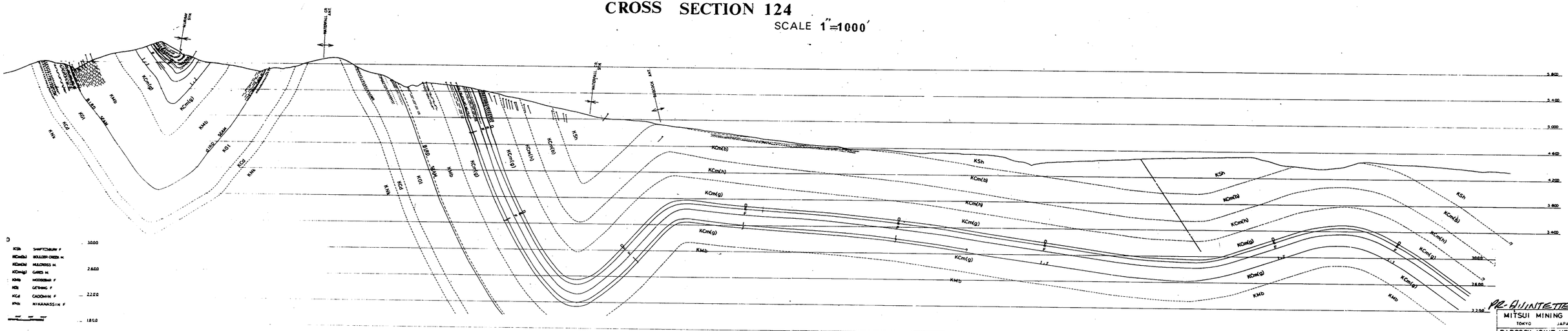
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

三井鉱山
123-15-1

605

CROSS SECTION 124

SCALE 1"=1000'



MR-AIINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

SABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

CROSS SECTION 124

SCALE 1"= 1000'	PERIOD JUN - SEP 1974
SABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. SABCK-GE-04-124

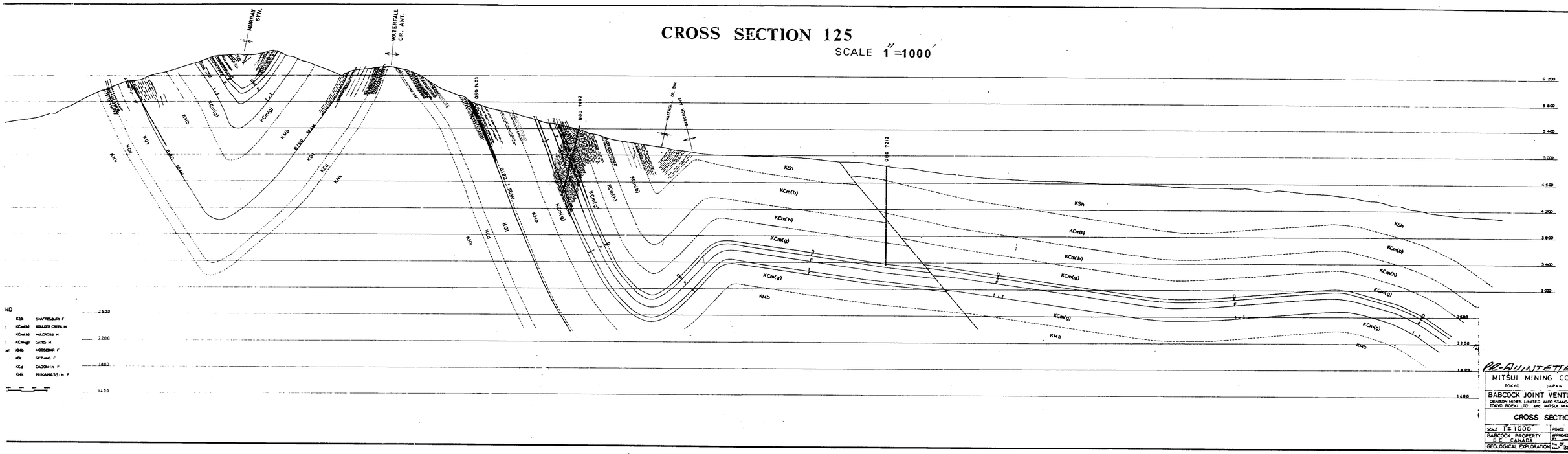
DEPT OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

三井金山 No. 23-15-1

605

CROSS SECTION 125

SCALE 1"=1000'



KSh	SHAFTESBURY F	2600
KCm(b)	BOULDER CREEK M	
KCm(h)	McCROSS M	2200
KCm(g)	GATES M	
KMb	MOOSEBAR F	
KGt	GETHING F	1800
KCd	CADOMIN F	
KNk	NIKANASSIN F	
		1400

PR-QUINTETTE 74(2)B

MITSUI MINING CO., LTD.

TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT

DENISON MINES LIMITED ALEX STANDARD CORPORATION
TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

CROSS SECTION 125

Scale 1"=1000'	PERIOD JUN - SEP 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. of MAP BBCK-74-04-125

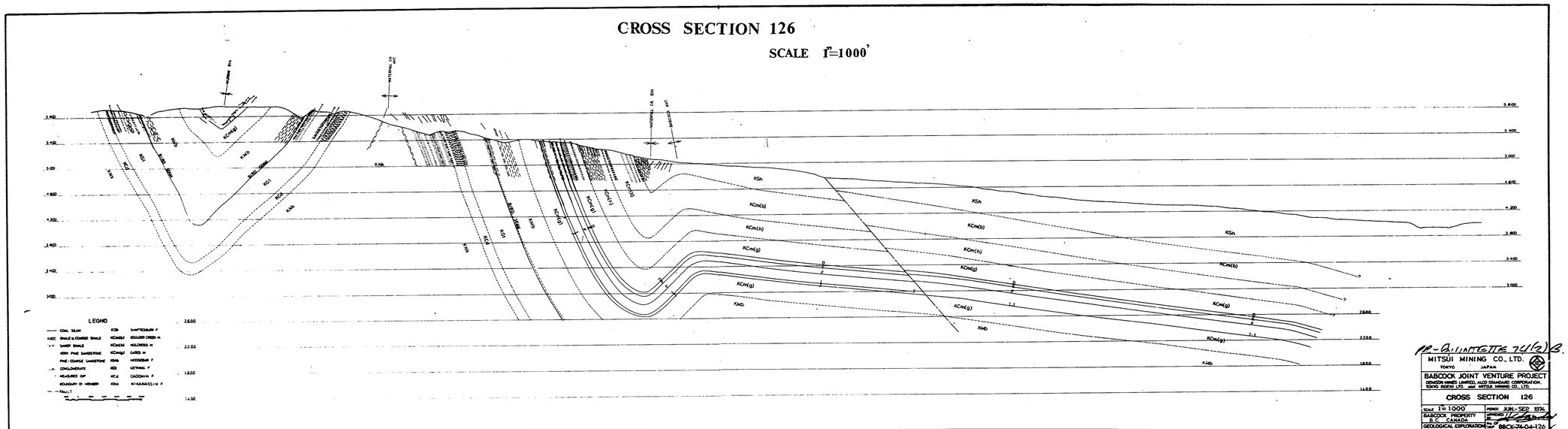
DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

三井金山 原稿
No. 23-15-1

605

CROSS SECTION 126

SCALE 1"=1000'



MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION
TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

CROSS SECTION 126

SCALE 1 in 1000 | PERIOD JUN.-SEP. 1974
BABCOCK PROPERTY B.C. CANADA | DRAWN
GEOLOGICAL EXPLORATION | No. OF MAP BBCK-74-04-126

MR-Gilmette 74(2)B.

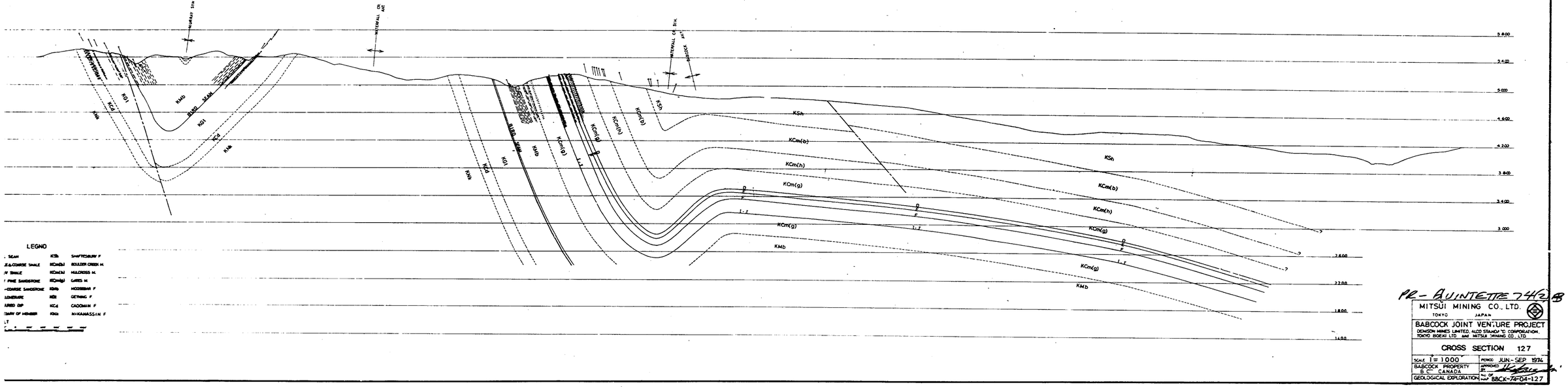
DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 8 1975

カ 三井鉱山 原本
カ開発技術課資料
外 MR-23-15-1 資料

605

CROSS SECTION 127

SCALE 1"=1000'



LEGND

. SEAM	KCb	SHAFTESBURY F.
.E & COARSE SHALE	KCm(b)	BOULDER CREEK M.
W SHALE	KCm(h)	HILLCROSS M.
F FINE SANDSTONE	KCm(g)	GATES M.
-COARSE SANDSTONE	KMb	MOOSEBAR F.
LOMERATE	KGt	GETHING F.
NNED DIP	KG4	CADOMIN F.
TDARY OF MEMBER	KMk	MIKAMASSIN F.

PR-AU,INTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALDO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

CROSS SECTION 127

SCALE 1"= 1000'	PERIOD JUN - SEP 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-04-127

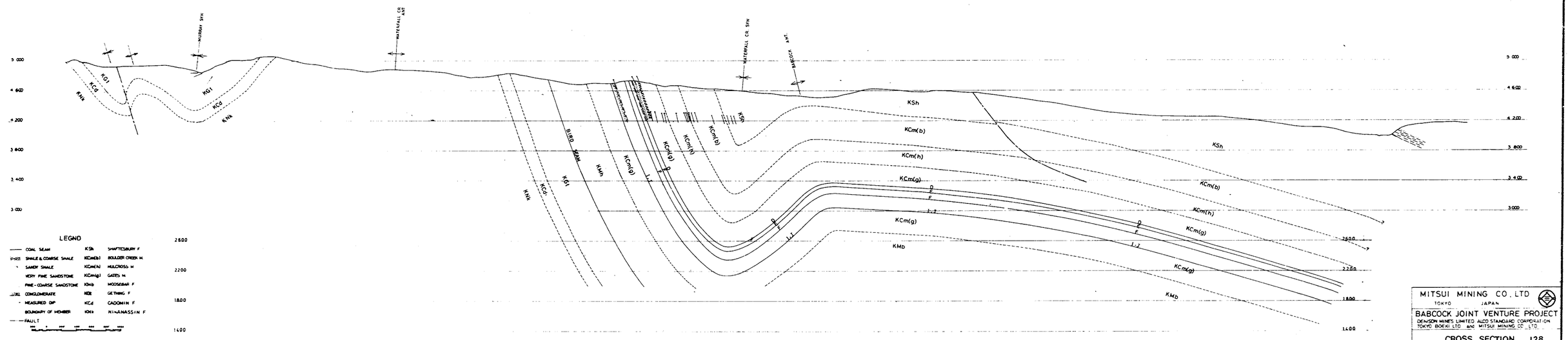
DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

三井鉱山 原本
NO 23-15-1

605

CROSS SECTION 128

SCALE 1"=1000'



LEGND

——	COAL SEAM	KSh	SHAFTESBURY F
	SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
	SANDY SHALE	KCm(h)	HULCROSS M
	IVORY FINE SANDSTONE	KCm(g)	GATES M.
	FINE-COARSE SANDSTONE	KMb	MOOSEBAR F
	CONGLOMERATE	KDE	GETHING F
	MEASURED DIP	KCd	CADOMIN F
	BOUNDARY OF MEMBER	KNk	NIKANASSIN F
— —	FAULT		

MITSUI MINING CO. LTD
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED ALCO STANDARD CORPORATION
TOKYO BOEKI LTD and MITSUI MINING CO. LTD.

CROSS SECTION 128

SCALE 1"= 1000'	PERIOD JUN - SEP 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	MAP No. BBCK-74-04-128

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

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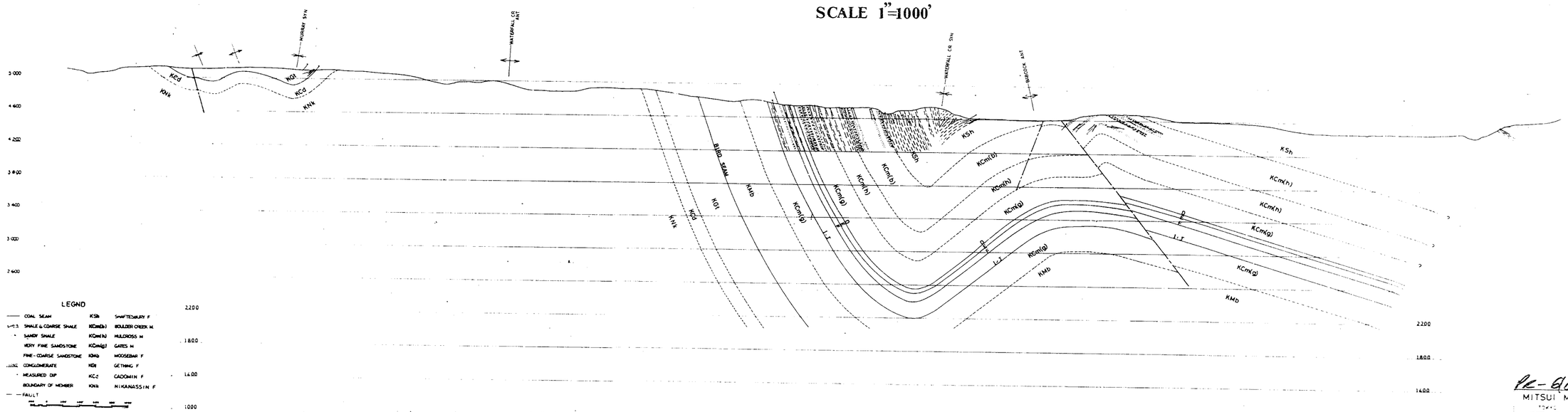
三井金山 カ開 ナ ダ
M-23-15-1

CROSS SECTION 129

SCALE 1"=1000'



LEGND

COAL SEAM	KSh	SHAFTESBURY F
SHALE & COARSE SHALE	KCm(b)	BOULDER CREEK M.
SANDY SHALE	KCm(h)	HULCROSS M
VERY FINE SANDSTONE	KCm(g)	GATES M
FINE - COARSE SANDSTONE	KMb	MOOSEBAR F
CONGLOMERATE	KGI	GETHING F
MEASURED DIP	KCc	CADOMIN F
BOUNDARY OF MEMBER	KNk	NIKANASSIN F
FAULT		

RE-QUINTETTE 74(2)

MITSUI MINING CO LTD

BABCOCK JOINT VENTURE PROJECT

DENISON MINES LIMITED AND STANCAN EXPLORATION
TOKYO BOEKI LTD AND MITSUI MINING

CROSS SECTION 129

SCALE 1"= 1000' | DRAWN JUN - SEP 1974
BABCOCK PROPERTY | APPROVED
B.C. CANADA | DATE
GEOLOGICAL EXPLORATION | MAP BBCK-74-04-129

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

93-15-1

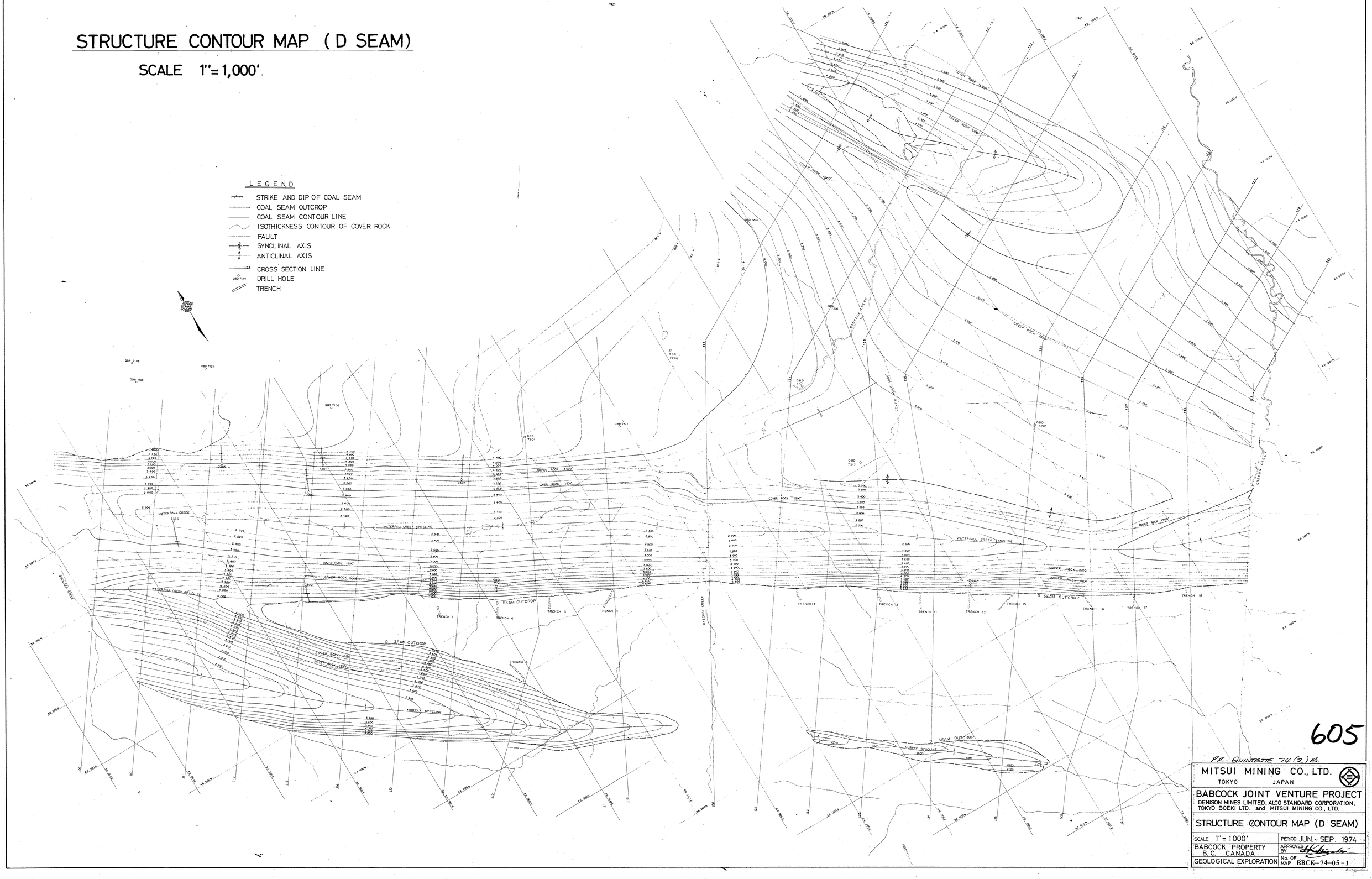
605

STRUCTURE CONTOUR MAP (D SEAM)

SCALE 1"= 1,000'

LEGEND

- STRIKE AND DIP OF COAL SEAM
- COAL SEAM OUTCROP
- COAL SEAM CONTOUR LINE
- ISOTHICKNESS CONTOUR OF COVER ROCK
- FAULT
- SYNCLINAL AXIS
- ANTICLINAL AXIS
- CROSS SECTION LINE
- DRILL HOLE
- TRENCH



605

PR-QUINTETTE 74(2)B.

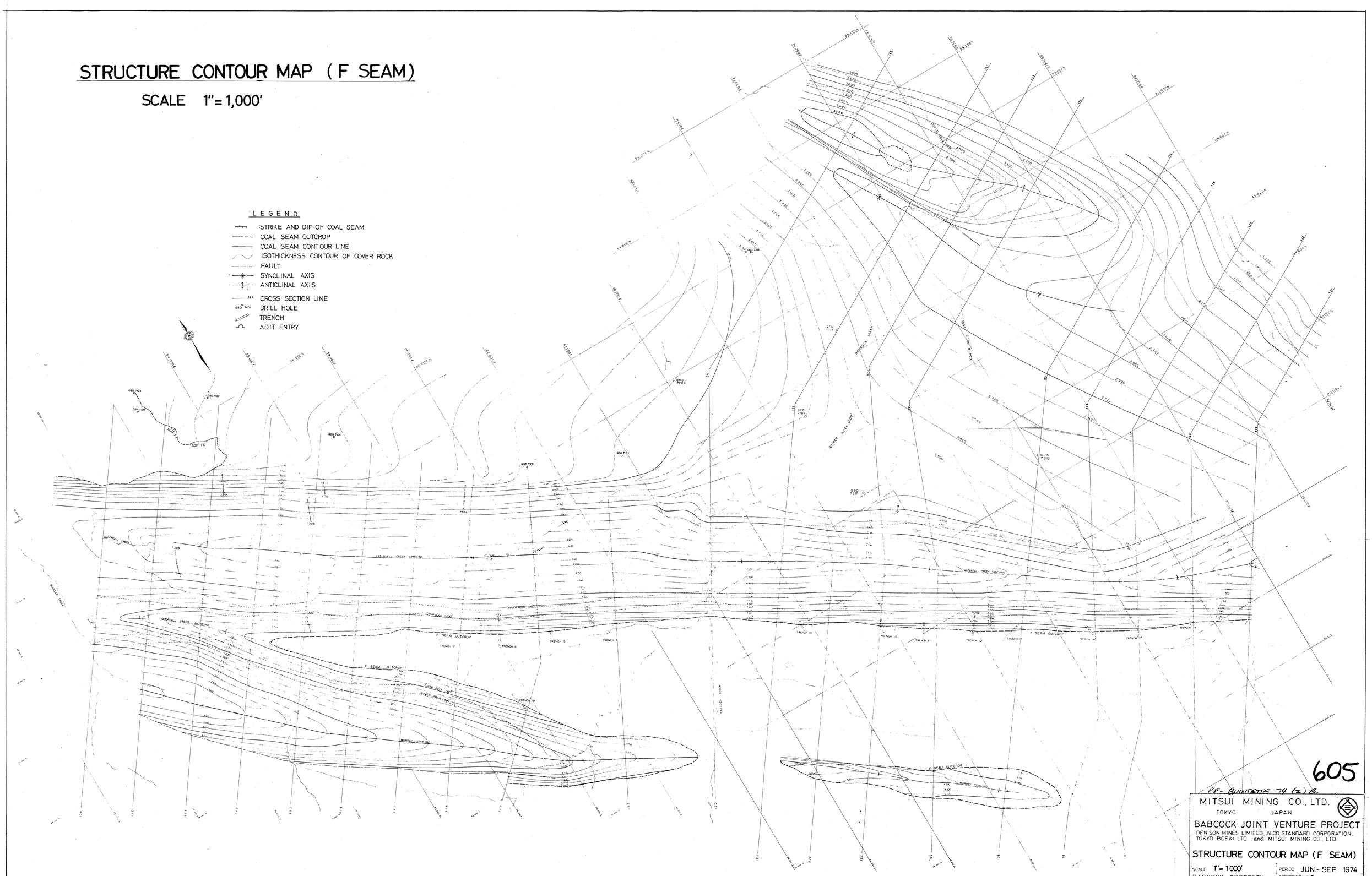
MITSUI MINING CO., LTD. TOKYO JAPAN	
BABCOCK JOINT VENTURE PROJECT DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.	
STRUCTURE CONTOUR MAP (D SEAM)	
SCALE 1" = 1000'	PERIOD JUN. ~ SEP. 1974
BABCOCK PROPERTY B. C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-05-1

STRUCTURE CONTOUR MAP (F SEAM)

SCALE 1"= 1,000'

LEGEND

- STRIKE AND DIP OF COAL SEAM
- COAL SEAM OUTCROP
- COAL SEAM CONTOUR LINE
- ISOTHICKNESS CONTOUR OF COVER ROCK
- FAULT
- SYNCLINAL AXIS
- ANTICLINAL AXIS
- CROSS SECTION LINE
- DRILL HOLE
- TRENCH
- ADIT ENTRY



605

PR- QUINTETTE 74 (2) 18.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

STRUCTURE CONTOUR MAP (F SEAM)

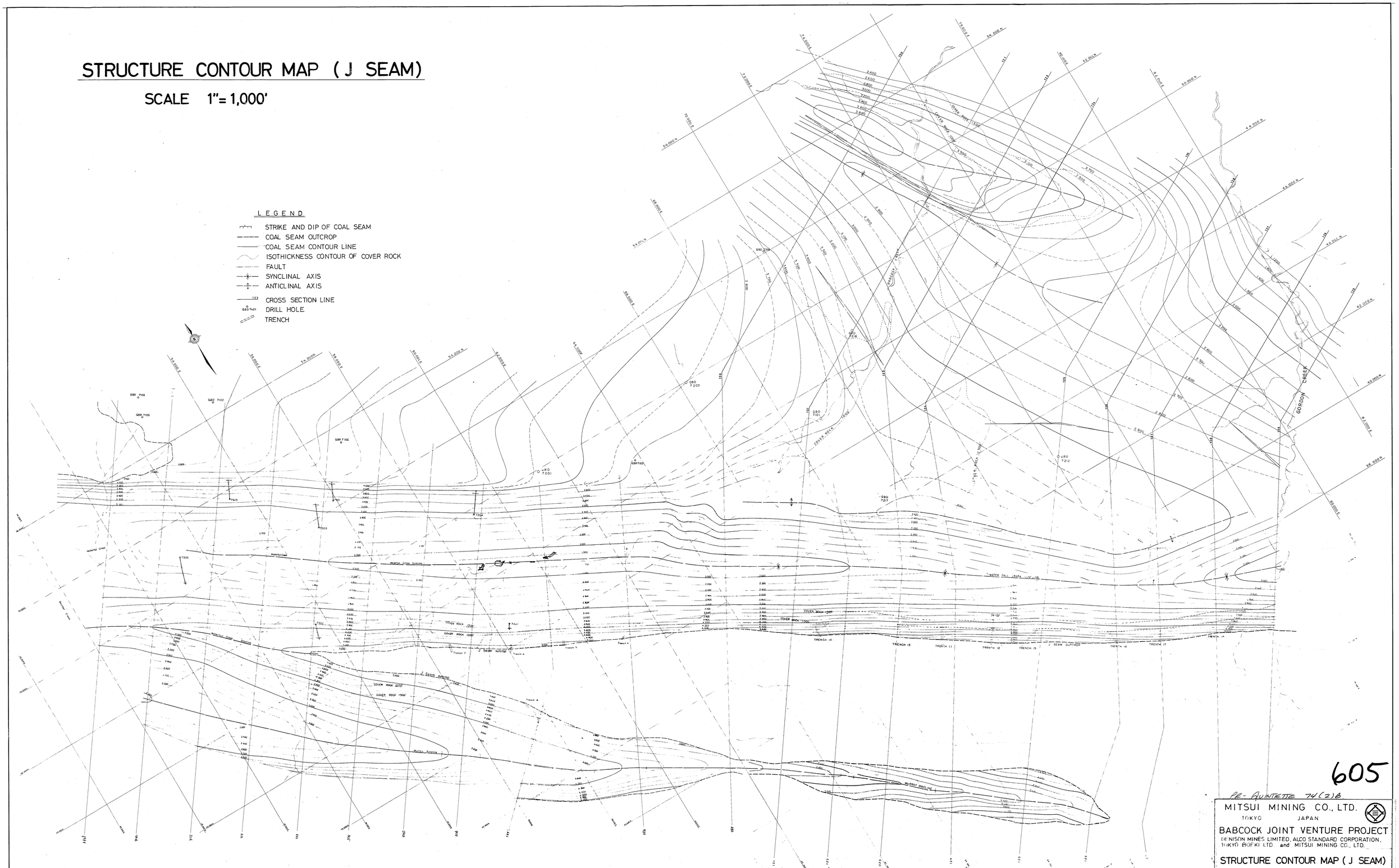
SCALE 1"= 1000' | PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B C CANADA | APPROVED BY
GEOLOGICAL EXPLORATION | No. F MAP BBCK-74-05-2

STRUCTURE CONTOUR MAP (J SEAM)

SCALE 1"= 1,000'

LEGEND

- STRIKE AND DIP OF COAL SEAM
- COAL SEAM OUTCROP
- COAL SEAM CONTOUR LINE
- ISOTHICKNESS CONTOUR OF COVER ROCK
- FAULT
- SYNCLINAL AXIS
- ANTICLINAL AXIS
- CROSS SECTION LINE
- DRILL HOLE
- TRENCH



605

PR- QUINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

STRUCTURE CONTOUR MAP (J SEAM)

SCALE 1"= 1000' | PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY, B.C. CANADA | APPROVED BY
GEOLOGICAL EXPLORATION | No OF MAP BBCK—74—05—3

STRUCTURE CONTOUR MAP (COMPILED)

SCALE 1" = 1 000'

LEGEND

- STRIKE OF COAL SEAM
- D SEAM OUTCROP
- F SEAM OUTCROP
- J SEAM OUTCROP
- D SEAM CONTOUR LINE
- F SEAM CONTOUR LINE
- J SEAM CONTOUR LINE
- ADIT ENTRY
- 73-09 DRILL HOLE
- CROSS SECTION LINE
- FAULT
- SYNCLINAL AXIS
- ANTICLINAL AXIS

605

Re- QUINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

STRUCTURE CONTOUR MAP
(COMPILED)

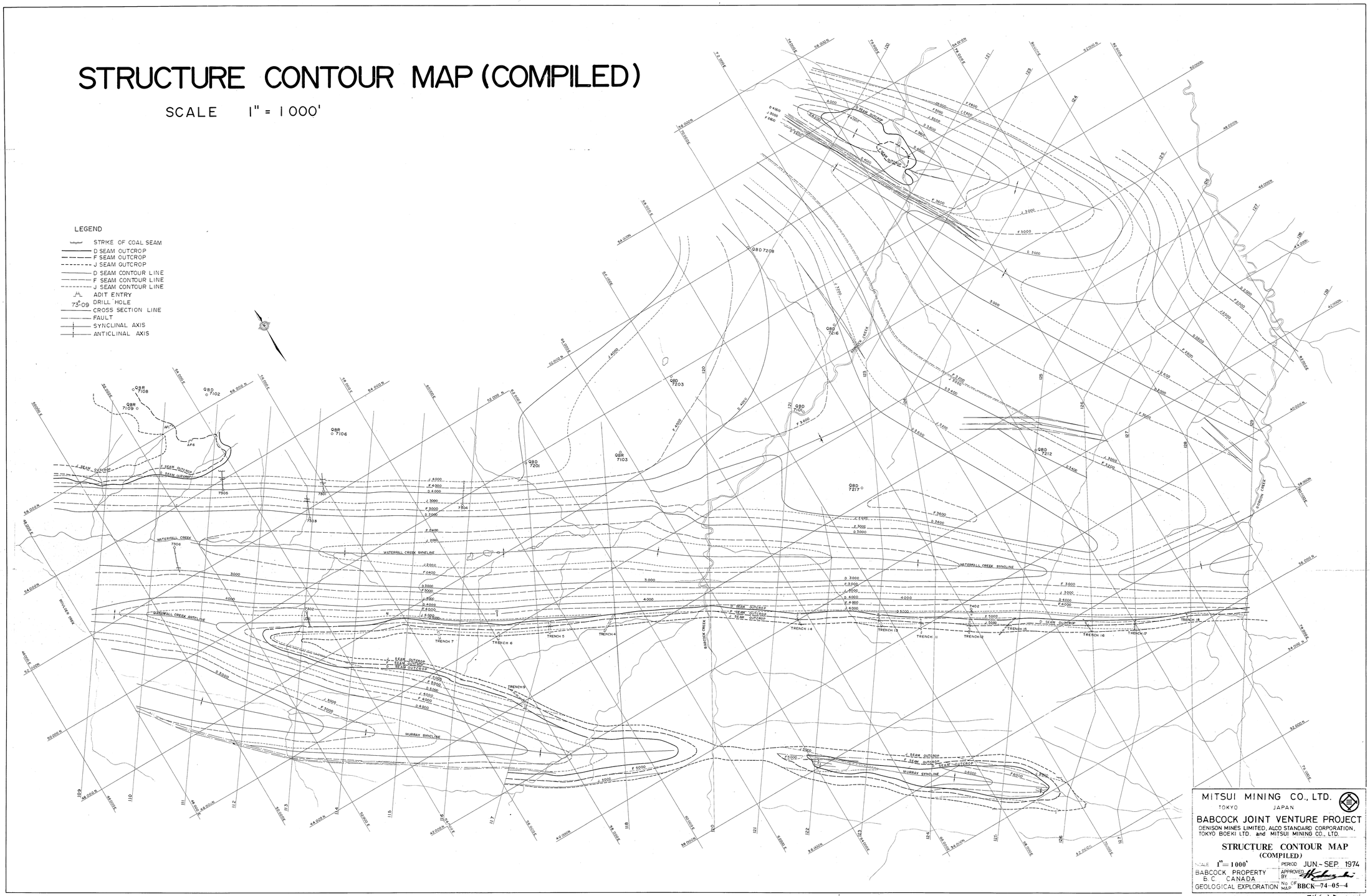
SCALE 1" 1000'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-05-4

STRUCTURE CONTOUR MAP (COMPILED)

SCALE 1" = 1 000'

LEGEND

- STRIKE OF COAL SEAM
- D SEAM OUTCROP
- F SEAM OUTCROP
- J SEAM OUTCROP
- D SEAM CONTOUR LINE
- F SEAM CONTOUR LINE
- J SEAM CONTOUR LINE
- ADIT ENTRY
- 73-09 DRILL HOLE
- CROSS SECTION LINE
- FAULT
- SYNCLINAL AXIS
- ANTICLINAL AXIS



MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION,
TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

STRUCTURE CONTOUR MAP
(COMPILED)

SCALE 1"= 1 000' | PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY | APPROVED BY
B. C. CANADA | No. OF MAP BBCK-74-05-4
GEOLOGICAL EXPLORATION

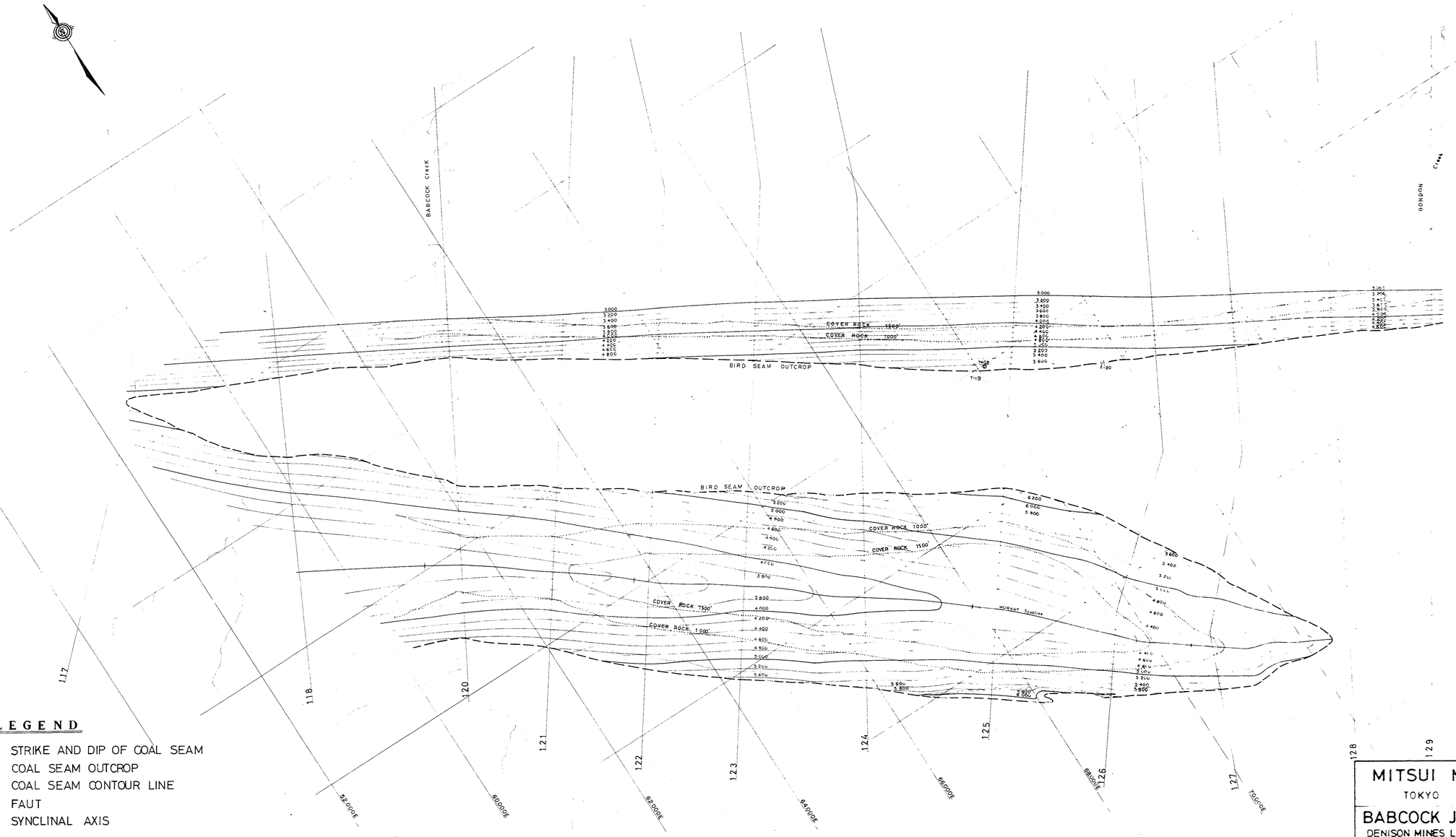
DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 8 1975

PE-QUINTETTE 74(2) B (Reports)

605

STRUCTURE CONTOUR MAP (BIRD SEAM)

SCALE 1"=1000'



LEGEND

- STRIKE AND DIP OF COAL SEAM
- COAL SEAM OUTCROP
- COAL SEAM CONTOUR LINE
- FAUT
- SYNCLINAL AXIS
- 133 — CROSS SECTION LINE
- 7-03 — DRILL HOLE
- T-19 — TRENCH
- ISOTHICKNESS CONTOUR OF COVER ROCK

P.R. QUINTETTE 74(2).B

605

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

STRUCTURE CONTOUR MAP
(BIRD SEAM)

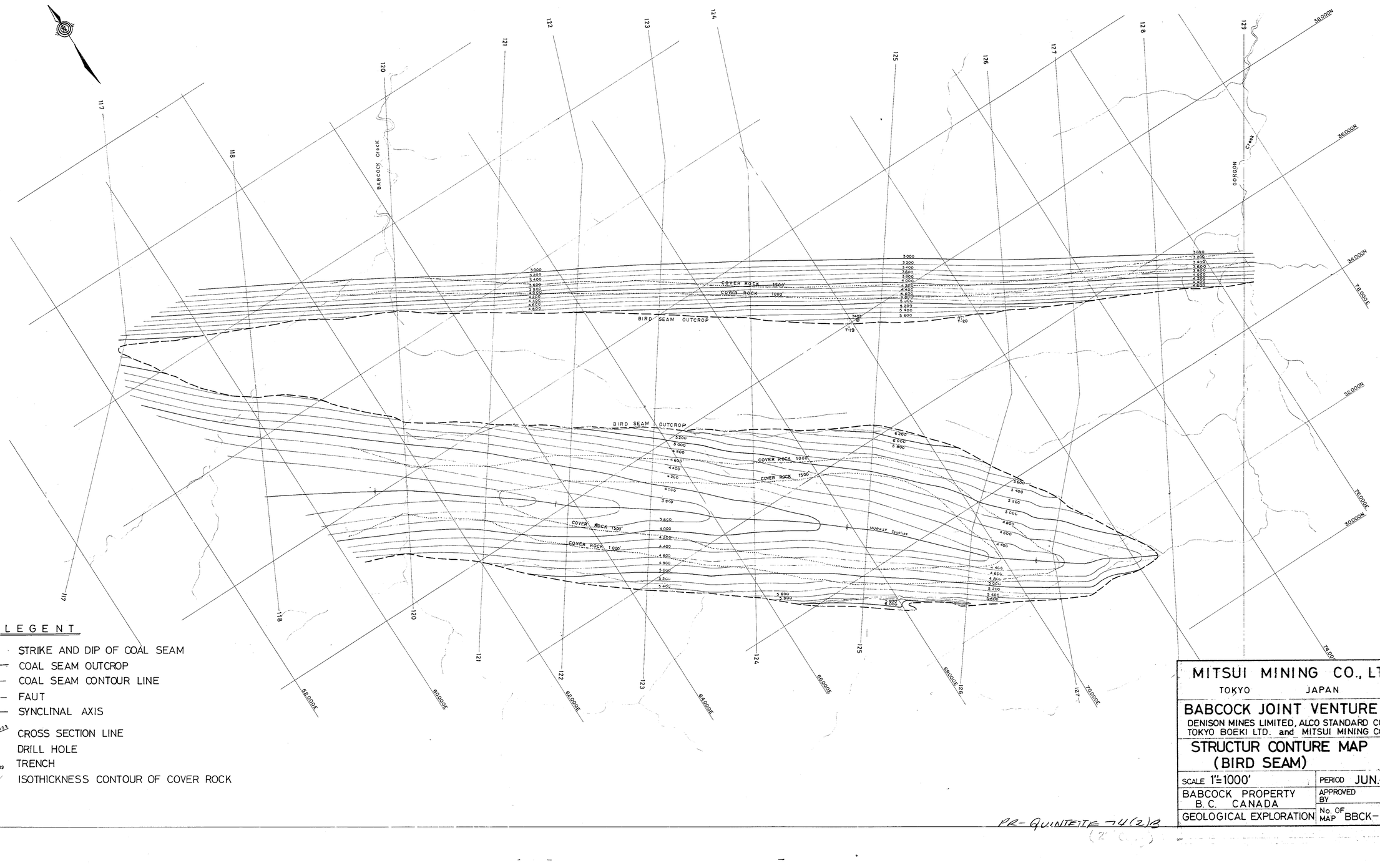
SCALE 1"=1000' PERIOD JUN.~SEP. 1974

BABCOCK PROPERTY B.C. CANADA APPROVED BY

GEOLOGICAL EXPLORATION No OF MAP BBCK-74-05-5

STRUCTURE CONTOUR MAP (BIRD SEAM)

SCALE 1"=1 000'



LEGENT

- STRIKE AND DIP OF COAL SEAM
- COAL SEAM OUTCROP
- COAL SEAM CONTOUR LINE
- FAUT
- SYNCLINAL AXIS
- CROSS SECTION LINE
- DRILL HOLE
- TRENCH
- ISOTHICKNESS CONTOUR OF COVER ROCK

PR-QUINTETTE-74(2)B

(2 C)

MITSUI MINING CO., LTD.
TOKYO JAPAN

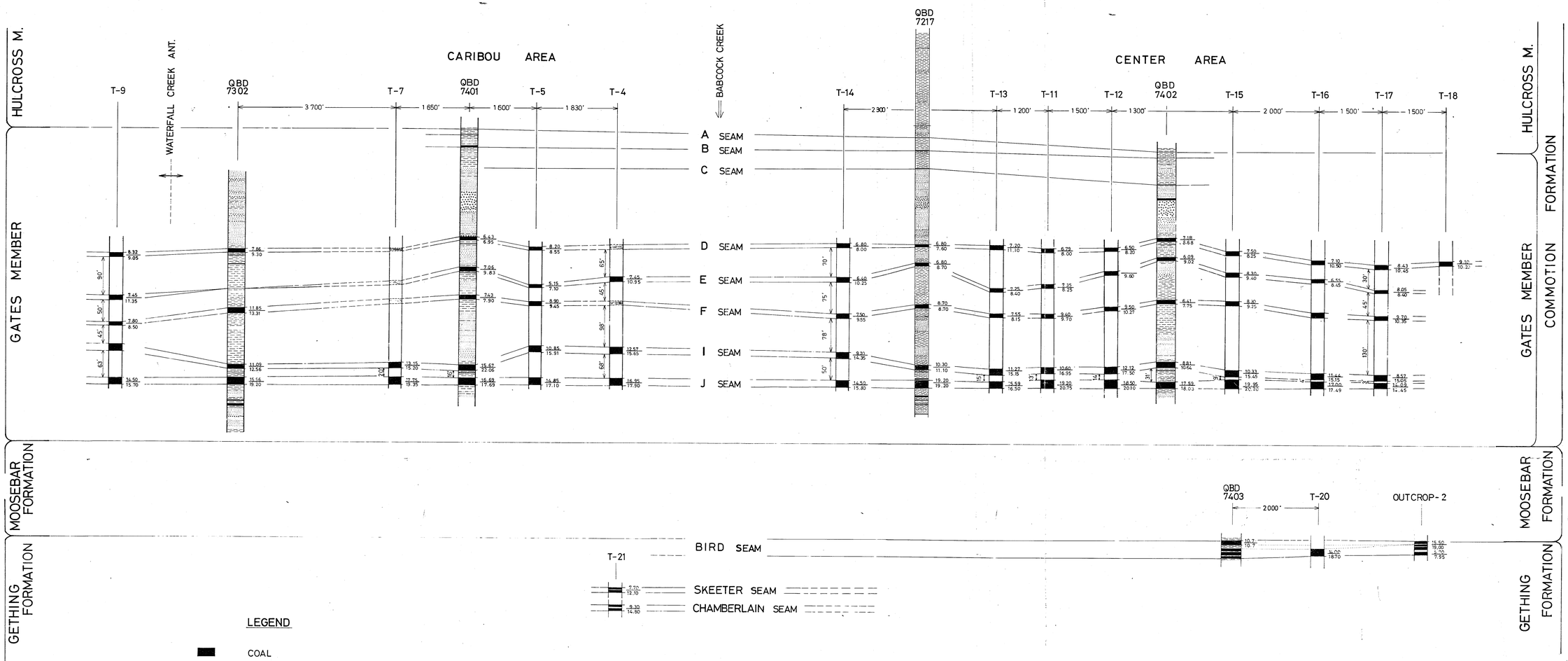
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

STRUCTUR CONTURE MAP (BIRD SEAM)

SCALE 1"=1000'	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-05-5

CORRELATION CHART

SCALE LATERAL 1"= 1000'
VERTICAL 1"= 100'



LEGEND

- COAL
- COALY SHALE
- SHALE AND COARSE SHALE
- SANDY SHALE
- VERY FINE SANDSTONE
- FINE ~ MEDIUM SANDSTONE
- COARSE SANDSTONE
- CONGLOMERATE
- 13.15 / 19.20 GEOLOGICAL COAL SEAM THICKNESS IN FEET

QBD 7302 and QBD 7217 were operated in 1973 and 1972 respectively.

605

PR. QUINTETTE 74 (2) B.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

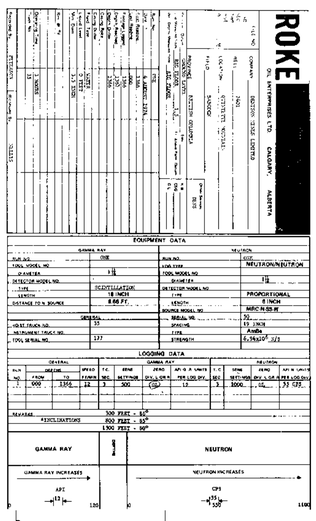
CORRELATION CHART

SCALE LATERAL 1"=1000' VERTICAL 1"=100'	PERIOD JUN. ~ SEP. 1974
BABCOCK PROPERTY B. C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-06

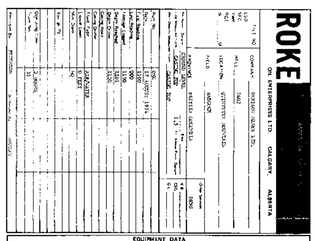
SEAM CORRELATION ON WELL LOGGING DATA

SCALE 1" = 50'

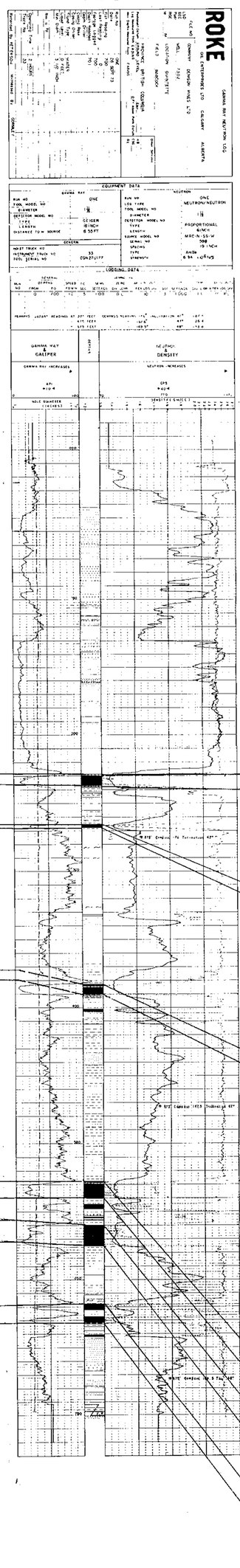
QBD 7401



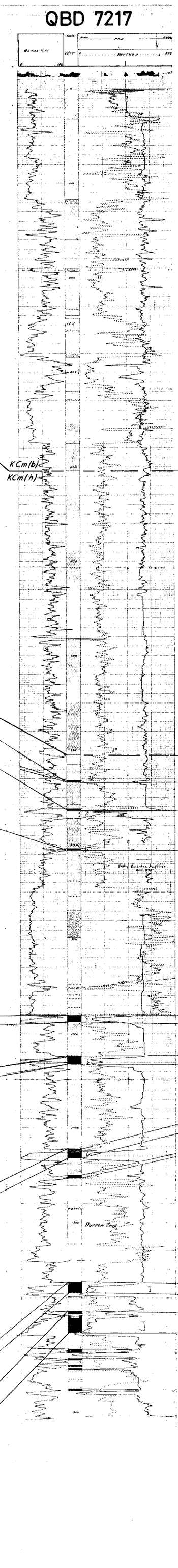
QBD 7402



7302



QBD 7217



KCm(b)
KCm(h)

HULCROSS MEMBER
COMMOTION FORMATION
GATES MEMBER
BOULDER MEMBER

A
B
C
D
E
F
I
J
K

LEGEND

- COAL A B C
- COAL D
- COALY SHALE
- DARK SHALE
- DARK GRAY SHALE
- SHALE
- COARSE SHALE
- SANDY SHALE
- VERY FINE SANDSTONE
- FINE SANDSTONE
- MEDIUM SANDSTONE
- COARSE SANDSTONE
- CONGLOMERATE

N.B.
QBD 7217 was operated in 1972 by DENISON.
7302 was operated in 1973 by DENISON and MITSUI.

605

PR- QUINTETTE 74(2)B

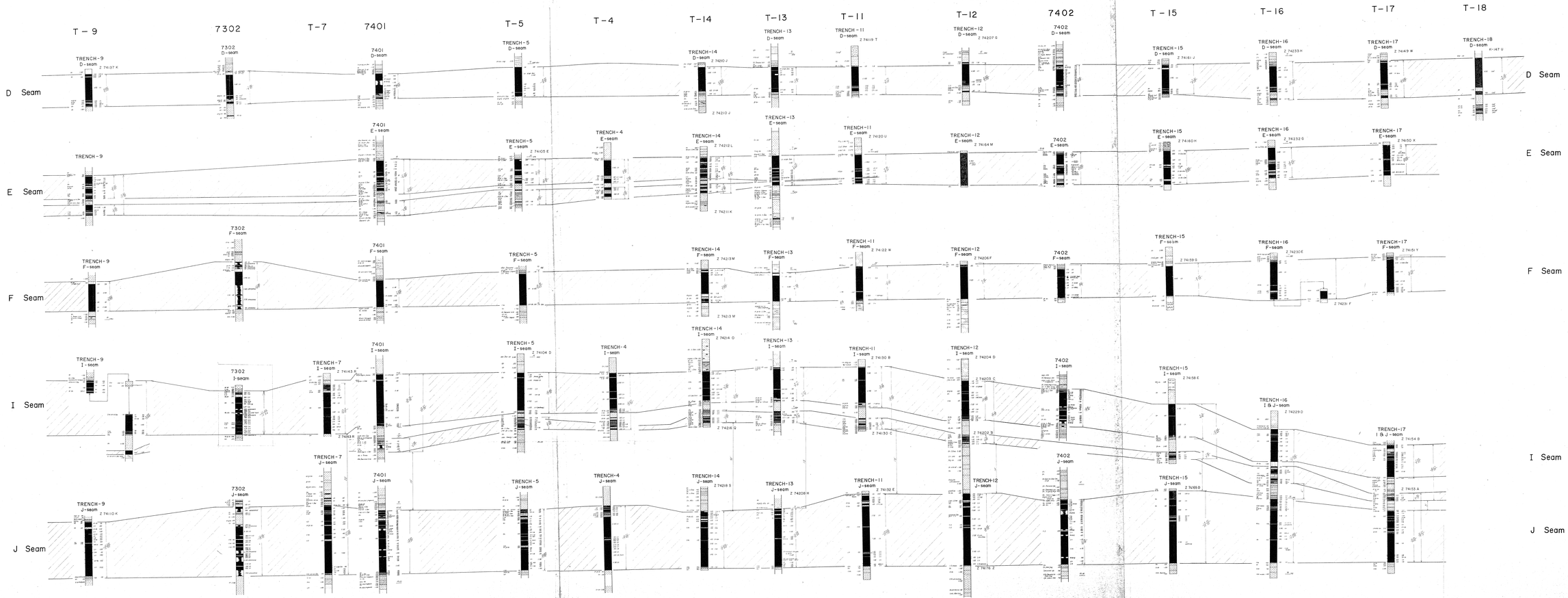
MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

SEAM CORRELATION
ON WELL LOGGING DATA

SCALE 1"= 50'	PERIOD JUN. ~ SEP. 1974
BABCOCK PROPERTY B. C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-07

CORRELATION AND VARIATION CHART
(GATES MEMBER)



LEGEND

C A	COAL A
C B	COAL B
C C	COAL C
C D	COAL D
c sh	COALY SHALE
ds sh	COALY DARK GRAY SHALE
ds gr sh	DARK GRAY SHALE
sh	SHALE
c sh	COARSE SHALE
s sh	SANDY SHALE
v fs	VERY FINE SANDSTONE
fs	FINE SANDSTONE
ms	MEDIUM SANDSTONE
cs	COARSE SANDSTONE
cong	CONGLOMERATE
4.5	UNRECOVERED OR WHICH GRADE IS INTERPRETED IN GEOPHYSICAL LOGGING
4.5 COAL	MINABLE COAL THICKNESS IN FEET

NOTES: 7401 and 7402 : Drillings opened in 1974.
7302 are quoted from the REPORT on the Geological Exploration at B.P. 1975 by M.M.C.
T-17 : Trench (T-4 is not operated in 1975.)

605

Dr. Kuchiki Hiroshi

MITSUI MINING CO., LTD.
TOKYO JAPAN

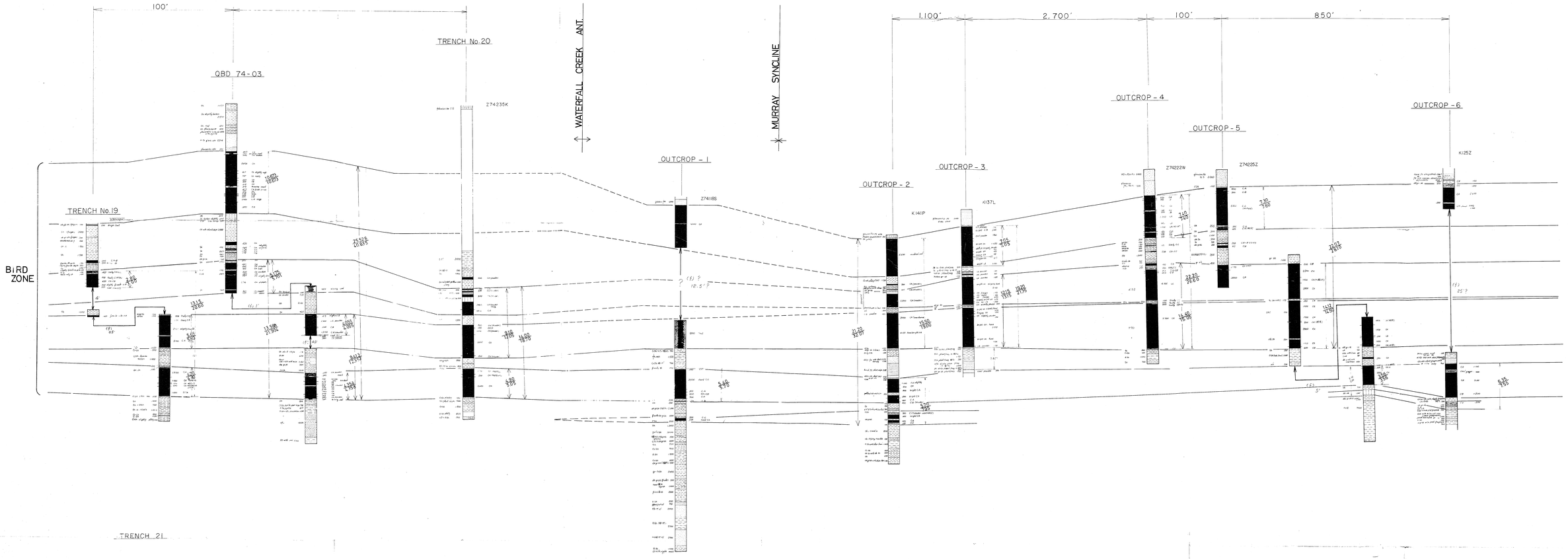
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALGO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

CORRELATION & VARIATION CHART (GATES MEMBER)

SCALE 1"=5' DRWN. B.N. SEP. 1976
BABCOCK PROPERTY APPROVED
B.C. CANADA CHECKED
GEOLOGICAL EXPLORATION No. BBCK-74-08-1

CORRELATION AND VARIATION CHART
(GETHING FORMATION)

SCALE VERTICAL 1" = 5'



LEGEND

C A	COAL A
C B	COAL B
C C	COAL C
C D	COAL D
c sh	COALY SHALE
dk sh	COALY DARK GRAY SHALE
dk gr sh	DARK GRAY SHALE
sh	SHALE
cr sh	COARSE SHALE
s sh	SANDY SHALE
vfs	VERY FINE SANDSTONE
fs	FINE SANDSTONE
m s	MEDIUM SANDSTONE
crs	COARSE SANDSTONE
congl	CONGLOMERATE
	UNRECOVERED (OF WHICH GRADE IS INTERPRETED BY GEOPHISICAL LOGGING
10.750 / 12.300	MINABLE COAL SEAM THICKNESS IN FEET

605

PR-QUINTETTE-14(21)2.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

CORRELATION & VARIATION CHART
(GETHING FORMATION)

SCALE 1" = 5' (VERTICAL)	PERIOD JUN - SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-08-2

RESERVES MAP
(D & E Seam)

SCALE 1"=1500'

D Seam Reserves (metric tons)

Reserve Block	Level	Seam Thickness (Ft)	Coal Thickness (Ft)	Plan Area (Ft²)	Dip	Theoretical Coal Reserves (Tons)
Caribou-North	above 3000'M.E.	8.2	7.3	12,377,000	57°	6,809,000
	below 3000'M.E.	8.5	8.1	23,464,000	40°	9,764,000
	Total	8.7	7.9	35,841,000	48°	16,573,000
Caribou-South	above 3000'M.E.	7.8	7.2	16,969,000	52°	7,846,000
	below 3000'M.E.	6.6	6.1	8,529,000	36°	2,155,000
	Total	7.5	6.9	25,498,000	48°	10,391,000
Center-North	above 3000'M.E.	9.1	7.3	8,518,000	59°	5,845,000
	below 3000'M.E.	9.8	7.9	10,715,000	43°	4,548,000
	Total	9.4	7.6	19,233,000	56°	10,393,000
Center-South	Total	8.7	7.0	3,626,000	47°	1,427,000
Reviewed Area	above 3000'SL	12.7	12.5	10,216,000	44°	7,001,000
	below 3000'SL	11.5	11.3	7,596,000	40°	4,442,000
	Total	12.2	12.0	17,806,000	42°	11,443,000
Babcock Creek Area B-1	above 3000'SL	7.9	6.5	10,314,000	35°	3,240,000
	below 3000'SL	9.4	7.8	10,545,000	35°	3,957,000
	Total	8.7	7.2	20,859,000	35°	7,197,000
Babcock Creek Area B-2	above 3000'SL	8.3	6.9	12,840,000	26°	3,857,000
	below 3000'SL	10.2	8.4	10,611,000	15°	3,645,000
	Total	9.1	7.5	23,451,000	22°	7,572,000
Babcock Creek Area B-3	above 3000'SL	8.9	7.6	77,969,000	9°	23,811,000
	below 3000'SL	10.6	8.8	19,303,000	13°	6,929,000
	Total	10.1	7.8	97,272,000	10°	30,740,000
Babcock-Creek South	above 3000'SL	10.0	7.9	12,133,000	38°	4,814,000
	below 3000'SL	9.9	7.8	8,232,000	39°	3,288,000
	Total	10.0	7.9	20,365,000	38°	8,102,000
Gross Totall	above 3000'			164,958,000		64,730,000
	below 3000'			98,905,000		39,158,000
	Total	9.3	7.9	263,931,000		103,888,000

Note SL Sea Level ME Main Entry

E Seam Reserves (metric tons)

Reserve Block	Level	Seam Thickness (Ft)	Coal Thickness (Ft)	Plan Area (Ft²)	Dip	Theoretical Coal Reserves (Tons)
Caribou-North	above 3000'ME	10.0	7.1	7,480,000	59°	4,060,000
	below 3000'ME	10.0	7.1	10,871,000	41°	3,693,000
	Total	10.0	7.1	18,144,000	48°	7,753,000
Caribou-South	above 3000'ME	11.4	7.5	10,525,000	51°	4,546,000
	below 3000'ME	11.4	7.5	200,000	15°	72,000
	Total	11.4	7.5	10,724,000	51°	5,020,000
Center-North	above 3000'ME	9.8	7.9	8,518,000	59°	6,301,000
	below 3000'ME	8.5	6.9	10,715,000	43°	3,926,000
	Total	9.3	7.5	19,233,000	56°	10,227,000
Center-South	Total	8.6	7.6	3,626,000	47°	1,477,000
Reviewed Area	above 3000'SL	9.1	7.1	9,249,000	45°	3,643,000
	below 3000'SL	9.1	7.1	7,586,000	43°	2,767,090
	Total	9.1	7.1	16,835,000	43°	6,410,000
Babcock Creek Area B-1	above 3000'SL	8.5	6.6	10,314,000	35°	2,589,000
	below 3000'SL	8.5	6.0	10,545,000	35°	3,649,000
	Total	8.5	6.0	20,859,000	35°	6,038,000
Babcock Creek Area B-2	above 3000'SL	8.5	6.0	13,840,000	26°	3,408,000
	below 3000'SL	8.5	6.0	10,611,000	15°	2,615,000
	Total	8.5	6.0	23,451,000	22°	6,023,000
Babcock Creek Area B-3	above 3000'SL	8.5	6.0	77,969,000	9°	18,792,000
	below 3000'SL	8.5	6.0	19,303,000	13°	4,704,000
	Total	8.5	6.0	97,272,000	10°	23,496,000
Babcock-Creek South	above 3000'SL	8.5	6.0	12,133,000	38°	3,636,000
	below 3000'SL	9.2	6.5	8,232,000	39°	2,727,000
	Total	8.8	6.2	20,365,000	38°	6,363,000
Gross Total	above 3000'SL			152,623,000		49,254,000
	below 3000'			78,086,000		23,695,000
	Total	8.9	6.5	230,709,000		72,850,000

Note SL - Sea Level M.E. - Main Entry

!N-7		!N-5		!N-2	
(A)	11.2 / 12.9	(A)	10.6 / 12.9	(A)	10.8 / 12.1
(B)	5,153,000	(B)	9003000	(B)	13101000
(C)	29°	(C)	47°	(C)	53°
(D)	2414000	(D)	5,377,000	(D)	9466000
(E)	41.6%	(E)	46%	(E)	46.5%
(F)	1005000	(F)	2417000	(F)	4406000

!N-2, !N-5, !N-7

Reviewed Area above 3000s.

Reviewed Area below 3000s.

Babcock Creek B-1 above 3000s.

Babcock Creek B-2 above 3000s.

Babcock Creek B-3 above 3000s.

Babcock Creek B-1 below 3000s.

Babcock Creek B-2 below 3000s.

Babcock Creek B-3 below 3000s.

Babcock Creek South above 3000s.

Babcock Creek South below 3000s.

Center North below 3000s.

Center North above 3000M.E.

Caribou North below 3000 M.E.

Caribou North above 3000 M.E.

Caribou South below 3000M.E.

Caribou South above 3000 M.E.

Center South

!N-2, !N-5, !N-7;
This is a table recalculated in 1974.

605

PR-QUINTETTE 74(2)B.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

RESERVES MAP (D & E seam)

SCALE 1"=1500'	PERIOD JUN.-SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-09-1

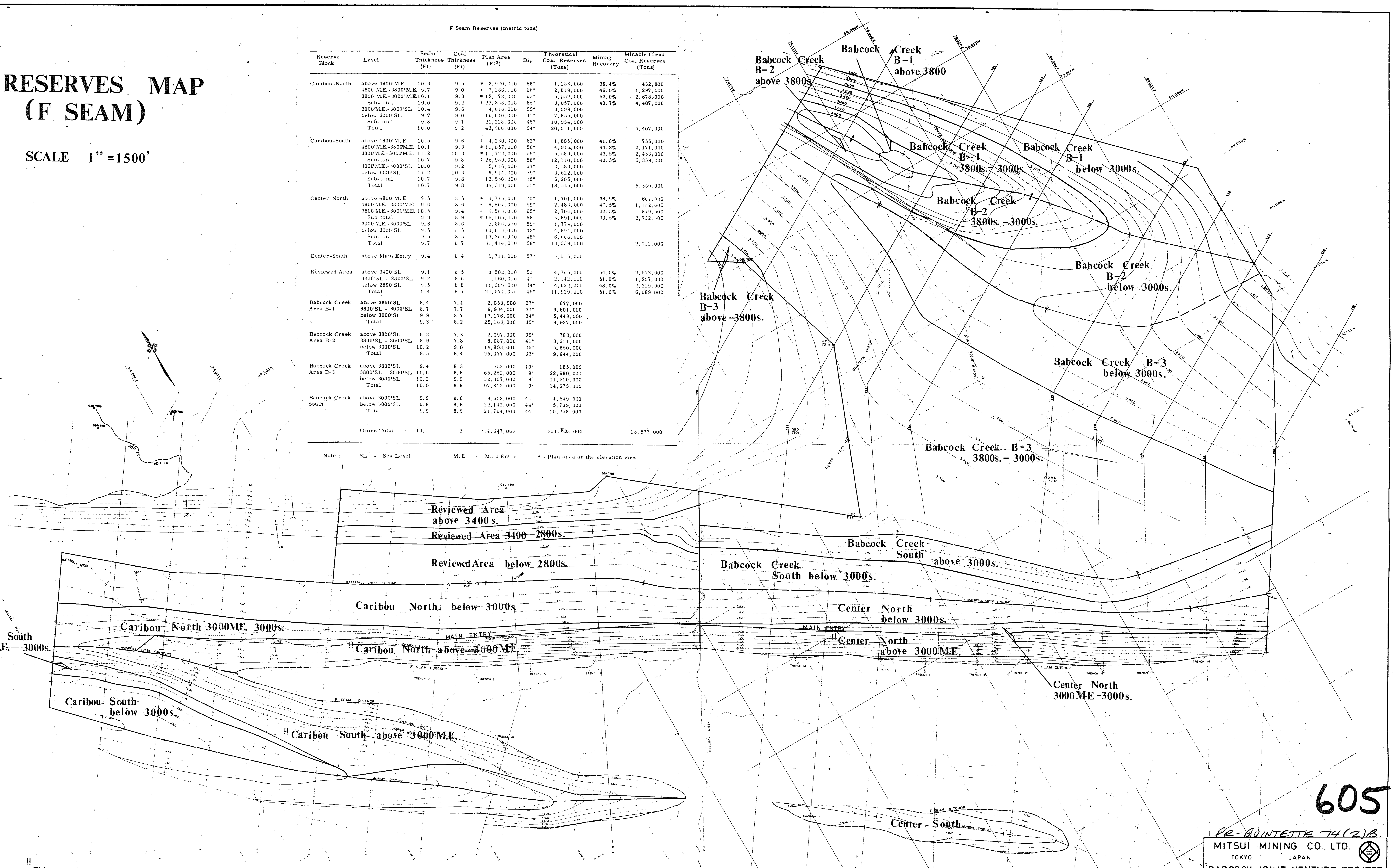
RESERVES MAP (F SEAM)

SCALE 1" =1500'

F Seam Reserves (metric tons)

Reserve Block	Level	Seam Thickness (Ft)	Coal Thickness (Ft)	Plan Area (Ft^2)	Dip	Theoretical Coal Reserves (Tons)	Mining Recovery	Minable Clean Coal Reserves (Tons)
Caribou-North	above 4800'M.E.	10.3	9.5	* 2,920,000	68°	1,186,000	36.4%	432,000
	4800'M.E.-3800'M.E.	9.7	9.0	* 7,266,000	68°	2,819,000	46.0%	1,297,000
	3800'M.E.-3000'M.E.	10.1	9.3	* 12,172,000	63°	5,052,000	53.0%	2,678,000
	Sub-total	10.0	9.2	* 22,358,000	65°	9,057,000	48.7%	4,407,000
	3000'M.E.-3000'SL	10.4	9.6	4,618,000	55°	3,099,000		
	below 3000'SL	9.7	9.0	16,610,000	41°	7,855,000		
	Sub-total	9.8	9.1	21,228,000	45°	10,954,000		
	Total	10.0	9.2	43,586,000	54°	20,011,000		4,407,000
Caribou-South	above 4800'M.E.	10.5	9.6	* 4,230,000	62°	1,805,000	41.8%	755,000
	4800'M.E.-3800'M.E.	10.1	9.3	* 11,057,000	56°	4,916,000	44.2%	2,171,000
	3800'M.E.-3000'M.E.	11.2	10.3	* 11,722,000	59°	5,589,000	43.5%	2,433,000
	Sub-total	10.7	9.8	* 26,989,000	58°	12,310,000	43.5%	5,359,000
	3000'M.E.-3000'SL	10.0	9.2	5,616,000	37°	2,583,000		
	below 3000'SL	11.2	10.3	6,914,000	39°	3,622,000		
	Sub-total	10.7	9.8	12,530,000	38°	6,205,000		
	Total	10.7	9.8	39,519,000	51°	18,515,000		5,359,000
Center-North	above 4800'M.E.	9.5	8.5	* 4,715,000	70°	1,701,000	38.9%	661,000
	4800'M.E.-3800'M.E.	9.6	8.6	* 6,807,000	69°	2,486,000	47.5%	1,182,000
	3800'M.E.-3000'M.E.	10.5	9.4	* 6,583,000	65°	2,704,000	32.5%	879,000
	Sub-total	9.9	8.9	* 18,105,000	68°	6,891,000	39.5%	2,722,000
	3000'M.E.-3000'SL	9.6	8.6	2,686,000	59°	1,774,000		
	below 3000'SL	9.5	8.5	10,6[illegible],000	43°	4,894,000		
	Sub-total	9.5	8.5	13,36[illegible],000	48°	6,668,000		
	Total	9.7	8.7	31,414,000	58°	13,559,000		2,722,000
Center-South	above Main Entry	9.4	8.4	5,711,000	57°	[illegible],015,000		
Reviewed Area	above 3400'SL	9.1	8.5	8,502,000	53	4,765,000	54.0%	2,573,000
	3400'SL - 2800'SL	9.2	8.6	[illegible],060,000	47°	2,542,000	51.0%	1,297,000
	below 2800'SL	9.5	8.8	11,009,000	34°	4,622,000	48.0%	2,219,000
	Total	9.4	8.7	24,57[illegible],000	45°	11,929,000	51.0%	6,089,000
Babcock Creek Area B-1	above 3800'SL	8.4	7.4	2,053,000	27°	677,000		
	3800'SL - 3000'SL	8.7	7.7	9,934,000	37°	3,801,000		
	below 3000'SL	9.9	8.7	13,176,000	34°	5,449,000		
	Total	9.3	8.2	25,163,000	35°	9,927,000		
Babcock Creek Area B-2	above 3800'SL	8.3	7.3	2,097,000	39°	783,000		
	3800'SL - 3000'SL	8.9	7.8	8,087,000	41°	3,311,000		
	below 3000'SL	10.2	9.0	14,893,000	25°	5,850,000		
	Total	9.5	8.4	25,077,000	33°	9,944,000		
Babcock Creek Area B-3	above 3800'SL	9.4	8.3	553,000	10°	185,000		
	3800'SL - 3000'SL	10.0	8.8	65,252,000	9°	22,980,000		
	below 3000'SL	10.2	9.0	32,007,000	9°	11,510,000		
	Total	10.0	8.8	97,812,000	9°	34,675,000		
Babcock Creek South	above 3000'SL	9.9	8.6	9,652,000	44°	4,549,000		
	below 3000'SL	9.9	8.6	12,142,000	44°	5,709,000		
	Total	9.9	8.6	21,794,000	44°	10,258,000		
	Gross Total	10.1	2	314,647,000		131,833,000		18,577,000

Note : SL - Sea Level M.E. - Main Entry * - Plan area on the elevation view



!! This area is shown the reserves map on elevation view.

605

PR-QUINTETTE 74(2)B

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD

RESERVES MAP (F seam)

SCALE 1" = 1500' PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B.C. CANADA APPROVED BY
GEOLOGICAL EXPLORATION No. of MAP BBCK-74-09-2

RESERVES MAP (I & J Seam)

SCALE 1"=1500'

I Seam Reserves (metric tons)

Reserve Block	Level	Seam Thickness (Ft)	Coal Thickness (Ft)	Plan Area (Ft²)	Dip	Theoretical Coal Reserves (Tons)	Mining Recovery	Minable Clean Coal Reserves (Tons)
Caribou-North	above 4800'M.E.	15.0	12.5	* 3,421,000	69°	1,820,000	37.3%	680,000
	4800'M.E.-3800'M.E.	15.8	13.2	* 8,014,000	67°	4,538,000	46.9%	2,129,000
	3800'M.E.-3000'M.E.	14.6	12.2	* 11,632,000	64°	8,238,000	52.9%	3,299,000
	Sub-total	15.1	12.6	* 23,067,000	66°	12,596,000	48.5%	6,108,000
	3000'M.E.-3000'SL	13.1	10.9	3,364,000	59°	2,816,000		
	below 3000'SL	13.3	11.1	17,969,000	45°	11,154,000		
	Sub-total	13.3	11.1	21,333,000	48°	13,970,000		
	Total	14.0	11.7	44,400,000	56°	26,566,000		6,108,000
Caribou-South	above 4800'M.E.	12.9	9.9	* 4,236,000	62°	1,872,000	41.3%	774,000
	4800'M.E.-3800'M.E.	13.2	10.1	* 8,549,000	60°	3,970,000	46.6%	1,852,000
	3800'M.E.-3000'M.E.	13.9	12.2	* 8,217,000	57°	4,741,000	46.8%	2,221,000
	Sub-total	14.2	10.9	* 21,002,000	59°	10,583,000	45.8%	4,847,000
	3000'M.E.-3000'SL	12.1	9.3	5,484,000	37°	2,520,000		
	below 3000'SL	13.5	11.9	3,985,000	30°	2,179,000		
	Sub-total	13.5	10.4	9,469,000	34°	4,699,000		
	Total	13.9	10.7	30,471,000	51°	15,282,000		4,847,000
Center-North	above 4800'M.E.	14.3	9.9	* 4,758,000	71°	1,980,000	39.2%	776,000
	4800'M.E.-3800'M.E.	14.2	9.8	* 11,406,000	70°	4,694,000	48.5%	2,278,000
	3800'M.E.-3000'M.E.	13.7	9.5	* 12,165,000	65°	5,069,000	53.1%	2,693,000
	Sub-total	14.0	9.7	* 28,329,000	68°	11,743,000	48.9%	5,747,000
	3000'M.E.-3000'SL	14.9	9.6	2,415,000	62°	1,950,000		
	below 3000'SL	13.6	9.4	13,862,000	43°	7,155,000		
	Sub-total	13.6	9.4	16,277,000	48°	9,105,000		
	Total	13.9	9.6	44,606,000	59°	20,848,000		5,747,000
Center-South	above Main Entry	13.6	9.4	10,042,000	51°	5,994,000		
Reviewed Area	above 3400'SL	12.1	11.0	5,083,000	46°	3,176,000	54.0%	1,715,000
	3400'SL-2800'SL	12.1	11.0	4,351,000	48°	2,842,000	51.0%	1,933,000
	below 2800'SL	13.2	12.0	11,304,000	35°	6,594,000	48.0%	3,165,000
	Total	12.6	11.5	20,738,000	41°	12,612,000	50.0%	6,813,000
Babcock Creek Area B-1	above 3800'SL							
	3800'SL - 3000'SL							
	below 3000'SL							
	Total							
Babcock Creek Area B-2	above 3800'SL							
	3800'SL - 3000'SL							
	below 3000'SL							
	Total							
Babcock Creek Area B-3	above 3800'SL							
	3800'SL - 3000'SL							
	Total							
Babcock Creek South	above 3000'SL	13.5	9.7	6,780,000	43°	3,579,000		
	below 3000'SL	13.4	9.6	15,880,000	43°	8,296,000		
	Total	13.5	9.7	22,660,000	43°	11,875,000		
	Gross Total			172,918,000	52°	93,177,000		23,515,000

Note : SL - Sea Level M.E. - Main Entry * - Plan area on the elevation view

J Seam Reserves (metric tons)

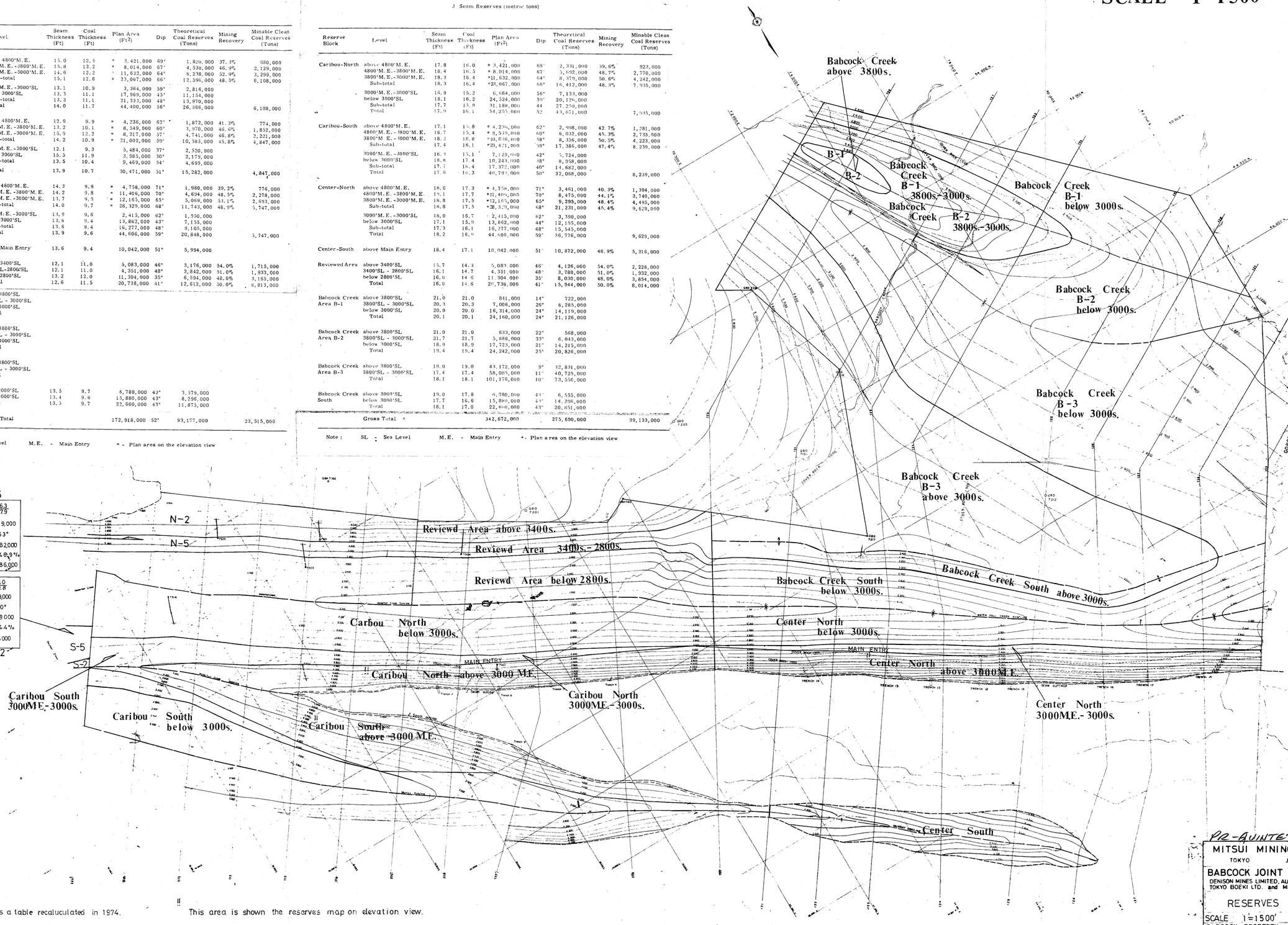
Reserve Block	Level	Seam Thickness (Ft)	Coal Thickness (Ft)	Plan Area (Ft²)	Dip	Theoretical Coal Reserves (Tons)	Mining Recovery	Minable Clean Coal Reserves (Tons)
Caribou-North	above 4800'M.E.	17.8	16.0	* 3,421,000	68°	2,341,000	39.6%	923,000
	4800'M.E.-3800'M.E.	18.4	16.5	* 8,014,000	67°	5,692,000	48.7%	2,770,000
	3800'M.E.-3000'M.E.	18.3	16.4	*11,632,000	64°	8,379,000	50.6%	4,242,000
	Sub-total	18.3	16.4	*23,067,000	66°	16,412,000	48.3%	7,935,000
	3000'M.E.-3000'SL	16.9	15.2	6,664,000	56°	7,133,000		
	below 3000'SL	18.1	16.2	24,524,000	30°	20,126,000		
	Sub-total	17.7	15.9	31,188,000	44	27,259,000		
	Total	17.9	16.1	54,255,000	52	43,671,000		7,935,000
Caribou-South	above 4800'M.E.	17.1	15.8	* 4,236,000	62°	2,998,000	42.7%	1,281,000
	4800'M.E.-3800'M.E.	16.7	15.4	* 8,549,000	60°	6,032,000	45.3%	2,735,000
	3800'M.E.-3000'M.E.	18.2	16.8	*10,636,000	58°	8,336,000	50.5%	4,223,000
	Sub-total	17.4	16.1	*23,421,000	59°	17,386,000	47.4%	8,239,000
	3000'M.E.-3000'SL	16.4	15.1	7,129,000	42°	5,724,000		
	below 3000'SL	18.8	17.4	10,243,000	18°	8,958,000		
	Sub-total	17.7	16.4	17,372,000	40°	14,682,000		
	Total	17.6	16.3	40,794,000	50°	32,068,000		8,239,000
Center-North	above 4800'M.E.	18.6	17.3	* 4,758,000	71°	3,461,000	40.3%	1,394,000
	4800'M.E.-3800'M.E.	19.1	17.7	*11,406,000	70°	8,475,000	44.1%	3,740,000
	3800'M.E.-3000'M.E.	18.8	17.5	*12,165,000	65°	9,295,000	48.4%	4,495,000
	Sub-total	18.8	17.5	*28,329,000	68°	21,231,000	45.4%	9,629,000
	3000'M.E.-3000'SL	18.0	16.7	2,415,000	62°	3,390,000		
	below 3000'SL	17.1	15.9	13,862,000	44°	12,155,000		
	Sub-total	17.3	16.1	16,277,000	48°	15,545,000		
	Total	18.2	16.9	44,606,000	59°	36,776,000		9,629,000
Center-South	above Main Entry	18.4	17.1	10,042,000	51°	10,872,000	48.9%	5,316,000
Reviewed Area	above 3400'SL	15.7	14.3	5,083,000	46°	4,126,000	54.0%	2,228,000
	3400'SL - 2800'SL	16.1	14.7	4,351,000	48°	3,788,000	51.0%	1,932,000
	below 2800'SL	16.9	14.6	11,304,000	35°	8,030,000	48.0%	3,854,000
	Total	16.9	14.6	20,738,000	41°	15,944,000	50.0%	8,014,000
Babcock Creek Area B-1	above 3800'SL	21.0	21.0	841,000	14°	722,000		
	3800'SL - 3000'SL	20.3	20.3	7,006,000	26°	6,285,000		
	below 3000'SL	20.0	20.0	16,314,000	24°	14,119,000		
	Total	20.1	20.1	24,160,000	24°	21,126,000		
Babcock Creek Area B-2	above 3800'SL	21.0	21.0	633,000	22°	568,000		
	3800'SL - 3000'SL	21.7	21.7	5,886,000	33°	6,043,000		
	below 3000'SL	18.9	18.9	17,723,000	21°	14,215,000		
	Total	19.4	19.4	24,242,000	25°	20,826,000		
Babcock Creek Area B-3	above 3800'SL	19.0	19.0	43,172,000	9°	32,831,000		
	3800'SL - 3000'SL	17.4	17.4	58,005,000	11°	40,725,000		
	Total	18.1	18.1	101,176,000	10°	73,556,000		
Babcock Creek South	above 3000'SL	19.0	17.8	6,780,000	43°	6,555,000		
	below 3000'SL	17.7	16.6	15,880,000	43°	14,296,000		
	Total	18.1	17.0	22,660,000	43°	20,851,000		
	Gross Total			342,672,000		275,690,000		39,133,000

Note : SL - Sea Level M.E. - Main Entry * - Plan area on the elevation view

N-2		N-5	
(A)	16.6 2 / 17.9 0	(A)	16.3 / 17.9
(B)	11,2 84,000	(B)	6,1 39,000
(C)	55°	(C)	53°
(D)	12,8 8 9,000	(D)	6,5 8 2,000
(E)	46. 8 %	(E)	46.9 %
(F)	6,0 3 6,000	(F)	3,0 8 6,000

(A)	22.4 / 24.7	(A)	18.0 / 19.8
(B)	2,7 11,0 0 0	(B)	223,000
(C)	2 8°	(C)	30°
(D)	2,7 3 2,0 0 0	(D)	1 8 9,000
(E)	43 %	(E)	44.4 %
(F)	1,1 74,000	(F)	84,000

S-5 S-2



This is a table recaluculated in 1974.

This area is shown the reserves map on elevation view.

605

PR-QUINTETTE 74(2)B.

MITSUI MINING CO., LTD.
TOKYO JAPAN

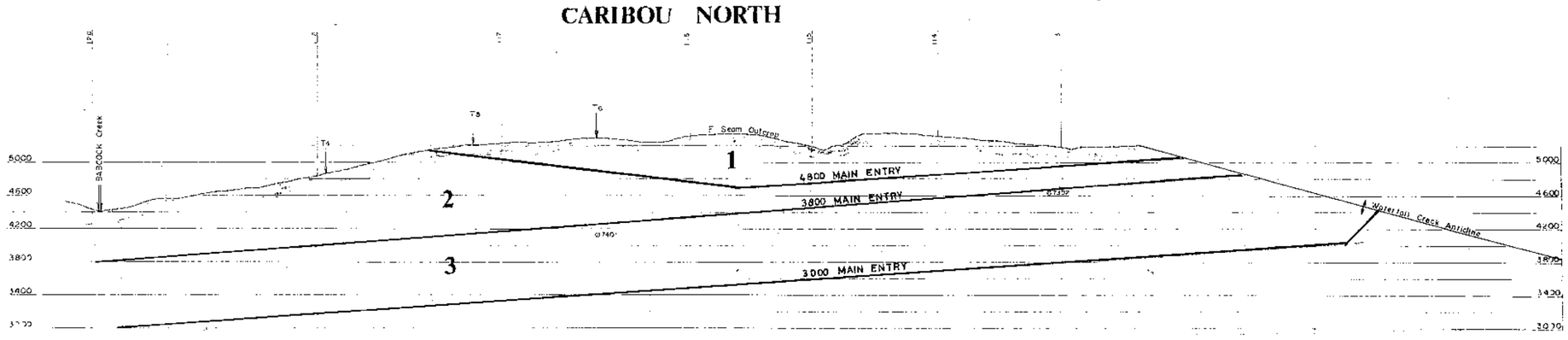
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

RESERVES MAP (I&J seam)

SCALE 1"=1500'	PERIOD JUN.-SEP. 1974
BABCOCK PROPERTY. B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-09-3

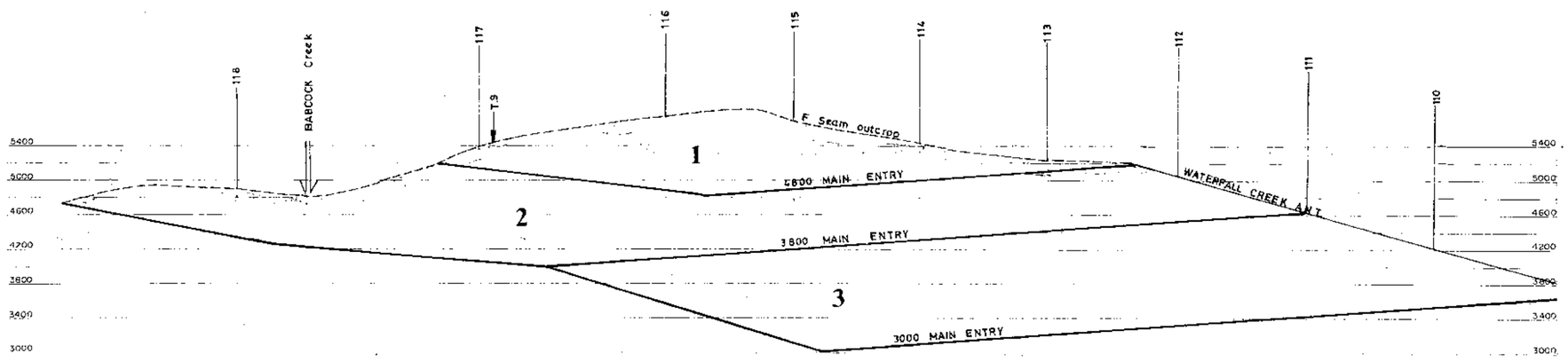
RESERVES MAP ON ELEVATION VIEW
(F Seam)

CARIBOU NORTH



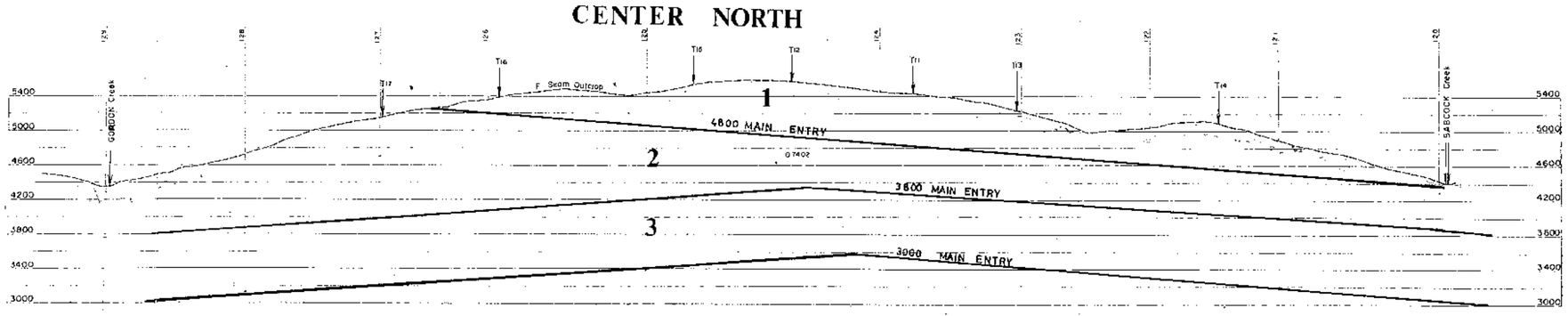
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1.	above 4800 M.E.	10.3	9.5	2,920,000	68°	1,187,000	36.4%	432,000
2.	4800 M.E. 3800 M.E.	9.7	9.0	7,266,000	68°	2,819,000	46.0%	1,297,000
3.	3800 M.E. 3000 M.E.	10.1	9.3	12,172,000	63°	5,052,000	53.0%	2,678,000
	TOTAL	10.0	9.2	22,358,000	65°	9,057,000	48.7%	4,407,000

CARIBOU SOUTH



		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1.	above 4800 M.E.	10.5	9.6	4,230,000	62°	1,805,000	41.8%	755,000
2.	4800 M.E. 3800 M.E.	10.1	9.3	11,057,000	56°	4,916,000	44.2%	2,171,000
3.	3800 M.E. 3000 M.E.	11.2	10.3	11,722,000	59°	5,589,000	43.5%	2,433,000
	TOTAL	10.7	9.8	26,989,000	58°	12,310,000	43.5%	5,359,000

CENTER NORTH



		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1.	above 4800 M.E.	9.5	8.5	4,715,000	70°	1,701,000	38.9%	661,000
2.	4800 M.E. 3800 M.E.	9.6	8.6	6,807,000	69°	2,486,000	47.5%	1,182,000
3.	3800 M.E. 3000 M.E.	10.5	9.4	6,583,000	65°	2,704,000	32.5%	879,000
	TOTAL	9.9	8.9	18,105,000	68°	6,891,000	39.5%	2,722,000

(A) Seam Thickness (Ft)
(B) Coal Thickness (Ft)
(C) Plan Area (Ft)
(D) Dip
(E) Theoretical Coal Reserves (M.Tons)
(F) Geological Factor x Mining Recovery
(G) Minable Clean Coal Reserves (M.Tons)

PR-QUINETTE 74(2)B 605

MITSUI MINING CO., LTD.
TOKYO JAPAN

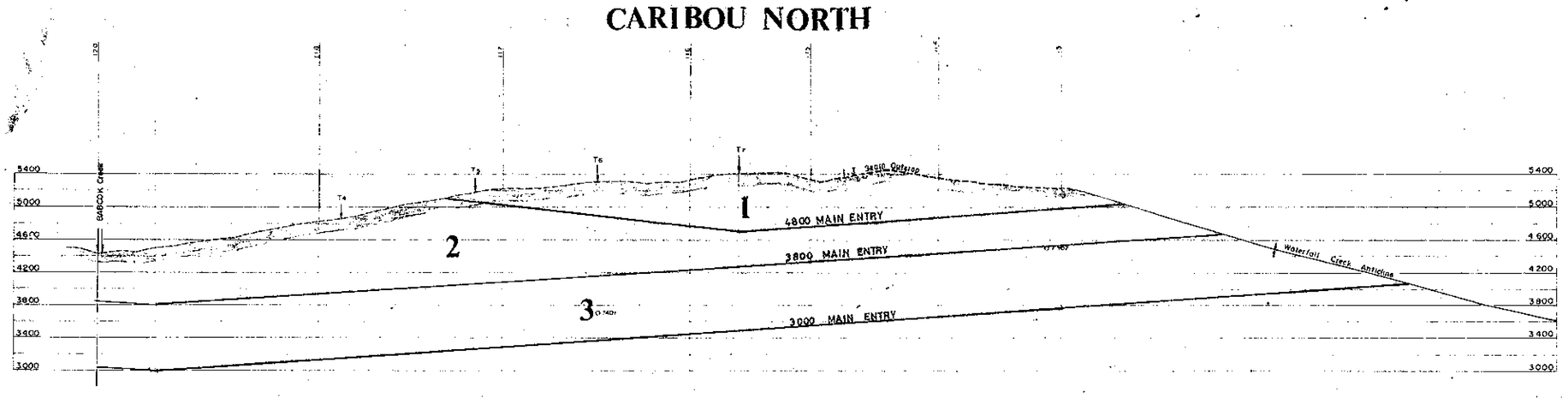
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

RESERVES MAP ON ELEVATION VIEW (F SEAM)

SCALE 1" = 1500'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B. C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-09-04

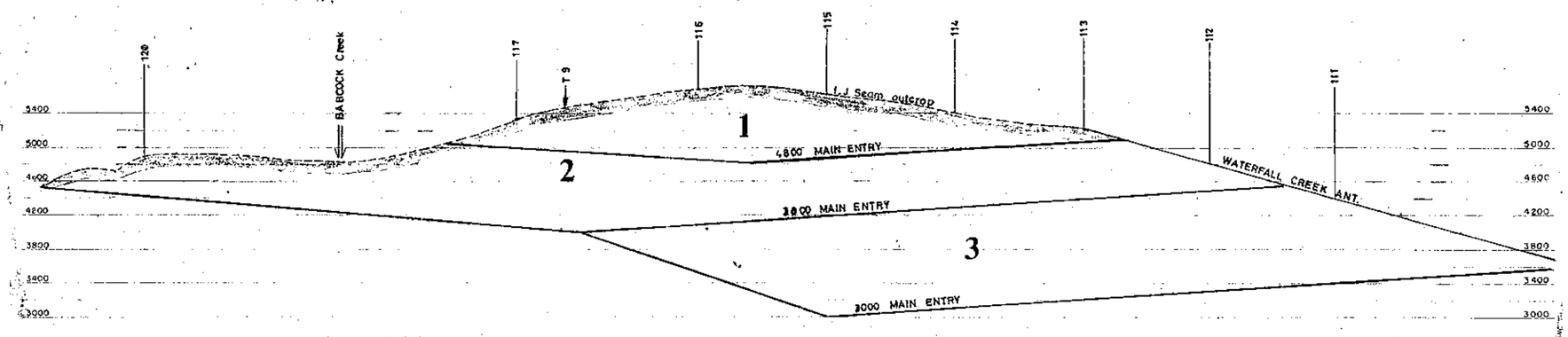
RESERVES MAP ON ELEVATION VIEW
(I Seam)

CARIBOU NORTH



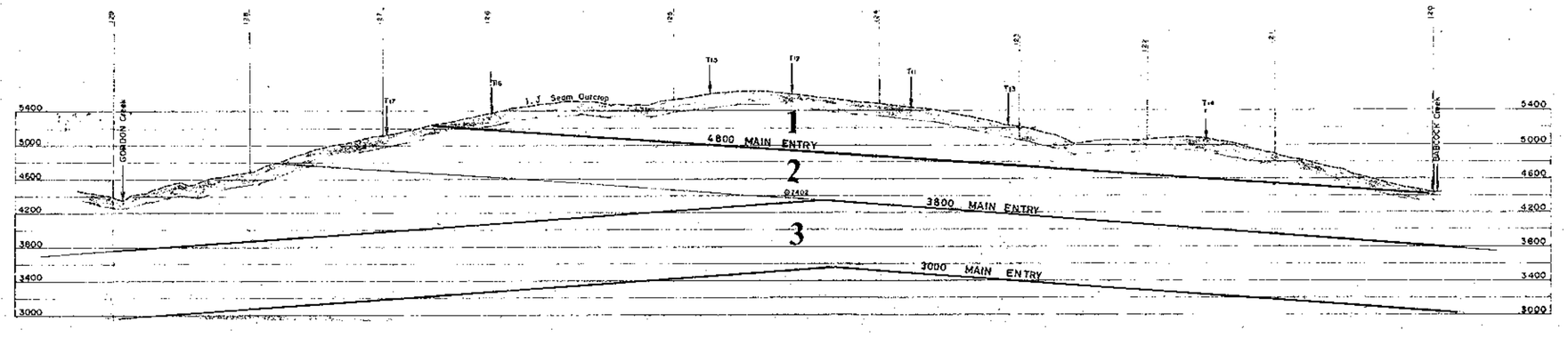
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	above 4800'M.E.	15.0	12.5	3,421,000	69°	[illegible]	37.3%	680,000
2	4800'M.E. 3800'M.E.	15.9	13.0	8,014,000	67°	4,538,000	46.[illegible]%	2,120,000
3	3800'M.E. 3000'M.E.	14.6	12.2	11,632,000	64°	6,238,000	52.9%	3,299,000
	TOTAL	15.1	12.6	23,067,000	66°	12,596,000	48.5%	6,108,000

CARIBOU SOUTH



		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	above 4800'M.E.	12.5	9.9	4,236,000	62°	[illegible]	41.3%	774,000
2	4800'M.E. 3800'M.E.	13.9	10.1	8,549,000	60°	3,970,000	46.6%	1,852,000
3	3800'M.E. 3000'M.E.	13.9	12.2	6,217,000	57°	4,741,000	46.8%	2,221,000
	TOTAL	14.2	10.9	21,002,000	59°	10,582,000	45.8%	4,847,000

CENTER NORTH



		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	above 4800'M.E.	14.5	9.9	4,758,000	71°	1,980,000	39.2%	776,000
2	4800'M.E. 3800'M.E.	14.2	9.8	11,406,000	70°	4,694,000	48.5%	2,278,000
3	3800'M.E. 3000'M.E.	13.7	9.5	12,165,000	65°	5,069,000	53.1%	2,693,000
	TOTAL	14.0	9.7	28,329,000	68°	11,743,000	48.9%	5,747,000

(A) Seam Thikness (Ft)
(B) Coal Thickness (Ft)
(C) Plan Area (Ft)
(D) Dip
(E) Theoewrical Coal Reserves (M.Tons)
(F) Geological Factor x Mining Recovery
(G) Minable Clear Coal Reserves (M.Tons)

PR-QUINTETTE 74(2)B 605

MITSUI MINING CO., LTD.
TOKYO JAPAN

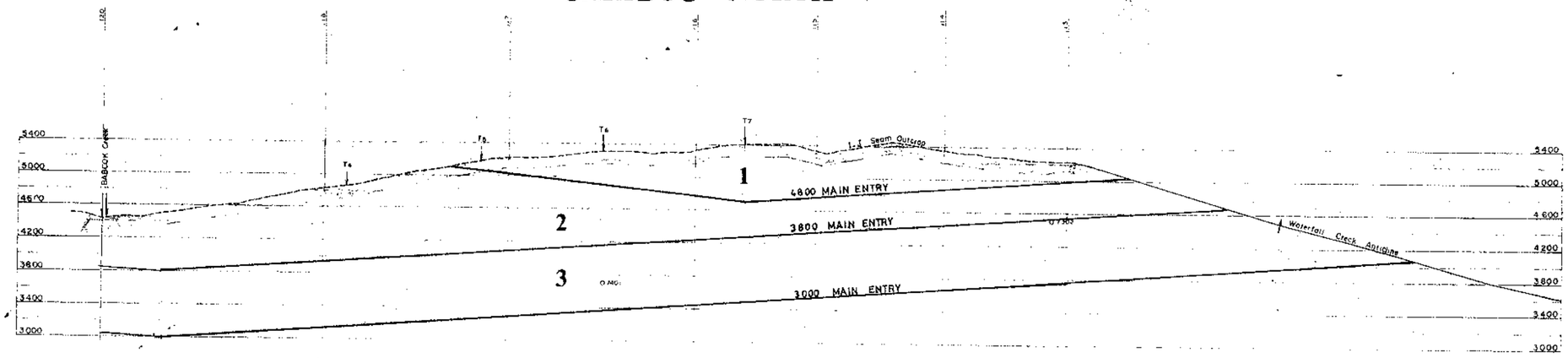
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

(I Seam)
RESERVES MAP ON ELEVATION VIEW

SCALE 1"= 1500'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B. C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-09-5

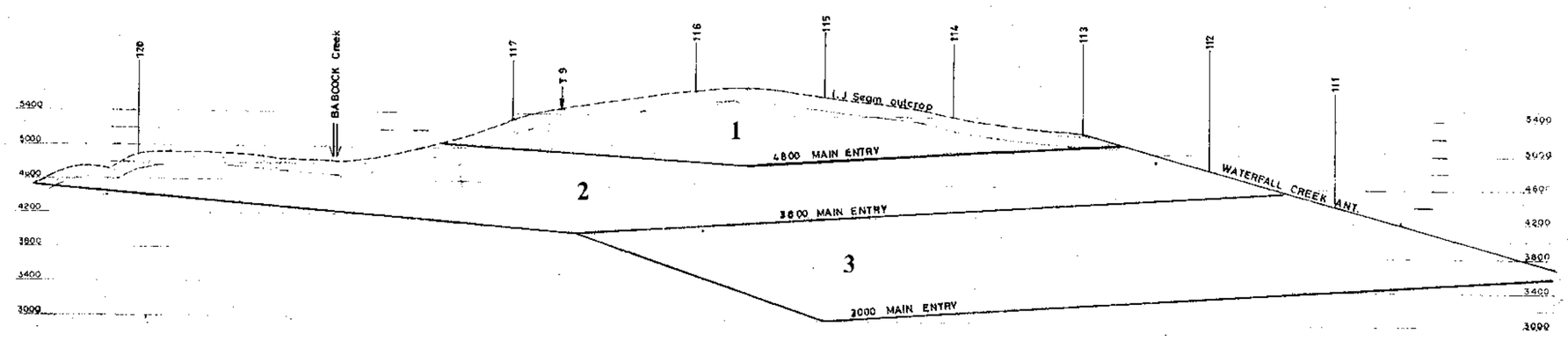
RESERVES MAP ON ELEVATION VIEW
(J Seam)

CARIBOU NORTH



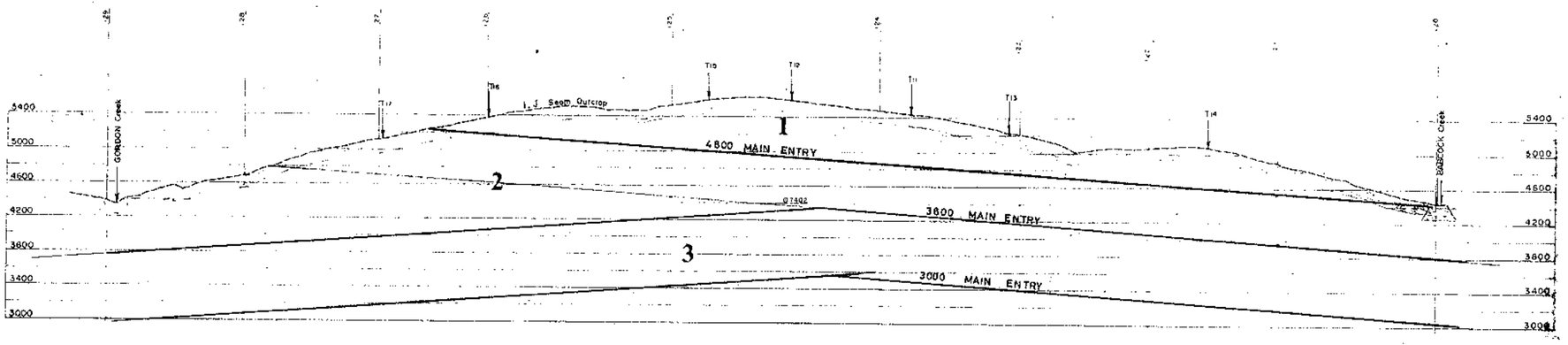
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	above 4800'M.E.	17.8	16.0	3,421,000	69°	2,331,000	39.6	923,000
2	4800'M.E. 3800'M.E.	18.4	16.5	8,014,000	67°	5,692,000	48.7%	2,770,000
3	3800'M.E. 3000'M.E.	18.3	16.4	11,632,000	66°	8,379,000	50.6%	4,242,000
	TOTAL	18.3	16.4	23,067,000	68°	16,402,000	48.3	7,935,000

CARIBOU SOUTH



		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	above 4800 M.E.	17.1	15.8	4,236,000	62°	2,998,000	42.7%	1,281,000
2	4800'M.E. 3800'M.E.	16.7	15.4	8,549,000	60°	6,032,000	45.3%	2,735,000
3	3800'M.E. 3000'M.E.	16.2	16.8	10,636,000	58°	8,356,000	50.5%	4,223,000
	TOTAL	17.4	16.1	23,421,000	60°	17,386,000	47.4	8,239,000

CENTER NORTH



		(A)	(B)	(C)	(D)	(E)	(F)	(G)
1	above 4800'M.E.	18.6	17.3	4,758,000	71°	3,461,000	40.3%	1,394,000
2	4800'M.E. 3800'M.E.	19.1	17.7	11,406,000	70°	8,475,000	44.1%	3,740,000
3	3800'M.E. 3000'M.E.	18.8	17.5	12,165,000	65°	9,295,000	48.4%	4,495,000
	TOTAL	18.8	17.5	28,329,000	68°	21,231,000	45.4%	9,629,000

(A) Seam Thickness (Ft)
(B) Coal Thickness (Ft)
(C) Plan Area (Ft)
(D) Dip
(E) Theroretical Coal Reserves (M.Tons)
(F) Geological Factor x Mining Recovery
(G) Minable Clean Coal Reserves

PR-QUINTETTE 74(2)B 605

MITSUI MINING CO., LTD.
TOKYO JAPAN

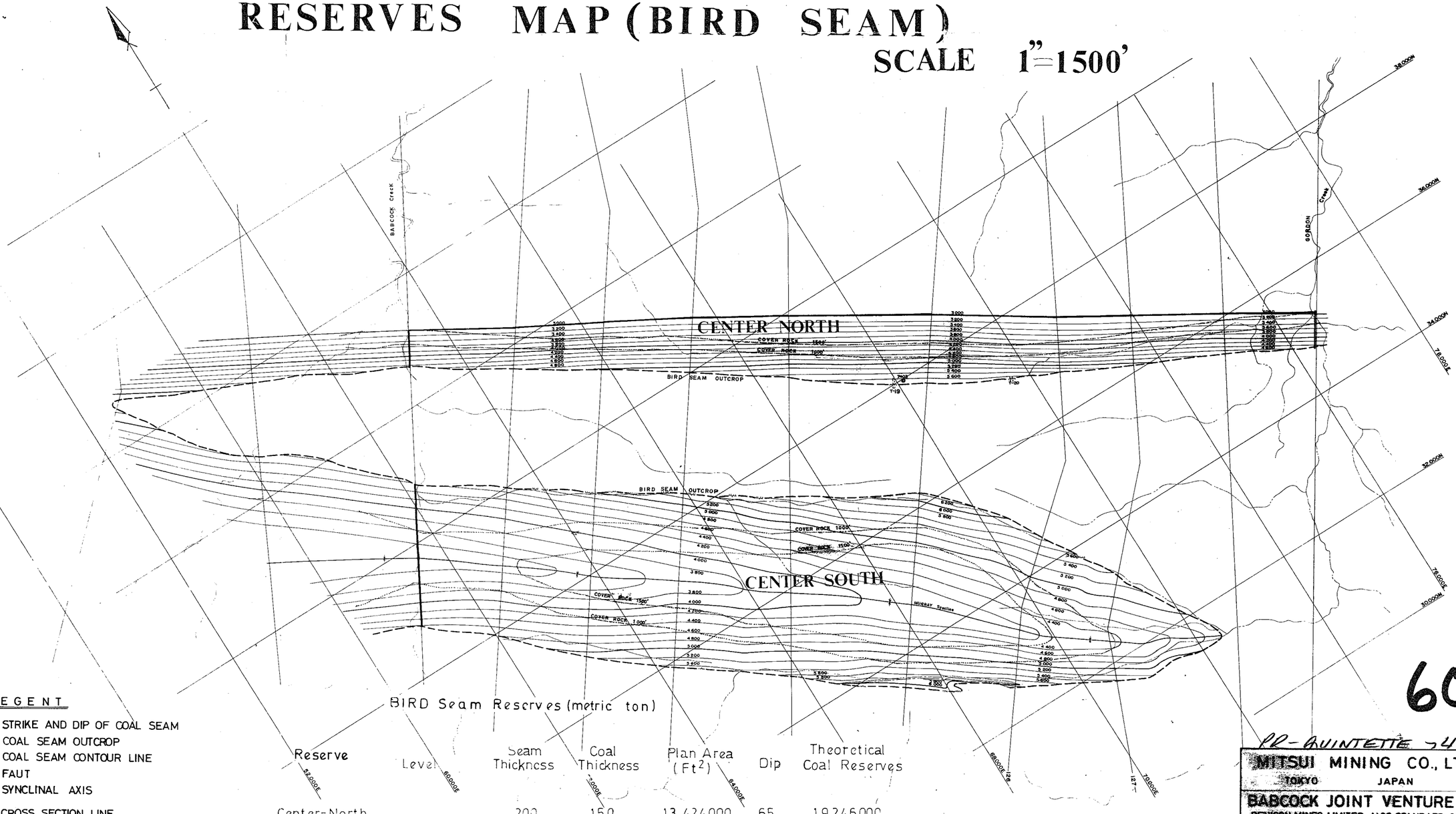
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

RESERVES MAP OF ELEVATION VIEW
(J Seam)

SCALE 1" = 1500'	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B. C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-09-6

RESERVES MAP (BIRD SEAM)

SCALE 1"=1500'



LEGENT

- STRIKE AND DIP OF COAL SEAM
- COAL SEAM OUTCROP
- COAL SEAM CONTOUR LINE
- FAUT
- SYNCLINAL AXIS
- CROSS SECTION LINE
- DRILL HOLE
- TRENCH
- ISOTHICKNESS CONTOUR OF COVER ROCK

BIRD Seam Reserves (metric ton)

Reserve Level	Seam Thickness	Coal Thickness	Plan Area (Ft^2)	Dip	Theoretical Coal Reserves
Center-North	20.0	15.0	13,424,000	65	19,246,000
Center-South	20.0	15.0	34,659,000	50	32,318,000
Total	200	15	48,083,000	56	51,564,000

605

RR-QUINTETTE 24(2)B.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

RESERVES MAP (BIRD SEAM)

SCALE 1" = 1500"	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No OF MAP BBCK-74-09-7

COAL RESERVES MAP OF THE GATES MEMBER

SCALE 1" = 1500'

		Theoretical Coal Reserves (M.Tons)	Minable Clean Coal Reserves (M.Tons)
CARIBOU NORTH	D Seam	16,573,000	
	E Seam	7,753,000	
	F Seam	20,011,000	4,407,000
	I Seam	26,566,000	6,108,000
	J Seam	43,671,000	7,935,000
	TOTAL	114,574,000	18,450,000
CARIBOU SOUTH	D Seam	10,391,000	
	E Seam	5,020,000	
	F Seam	18,515,000	5,359,000
	I Seam	15,282,000	4,847,000
	J Seam	32,068,000	8,239,000
	TOTAL	81,276,000	18,445,000
CENTER NORTH	D Seam	10,393,000	
	E Seam	10,277,000	
	F Seam	13,559,000	2,722,000
	I Seam	20,848,000	5,747,000
	J Seam	36,776,000	9,629,000
	TOTAL	91,853,000	18,098,000
CENTER SOUTH	D Seam	1,477,000	
	E Seam	1,477,000	
	F Seam	3,015,000	
	I Seam	5,994,000	
	J Seam	10,872,000	5,316,000
	TOTAL	22,835,000	5,316,000
REVIEWED AREA	D Seam	11,443,000	
	E Seam	6,410,000	
	F Seam	11,929,000	6,089,000
	I Seam	12,612,000	6,813,000
	J Seam	15,944,000	8,014,000
	TOTAL	58,338,000	20,916,000

		Theoretical Coal Reserves (M.Tons)	Minable Clean Coal Reserves (M.Tons)
BBCK CR. B-1	D Seam	7,197,000	
	E Seam	6,038,000	
	F Seam	9,927,000	
	J Seam	21,126,000	
	TOTAL	44,288,000	
BBCK CR. B-2	D Seam	7,572,000	
	E Seam	6,025,000	
	F Seam	9,944,000	
	J Seam	20,826,000	
	TOTAL	44,367,000	
BBCK CR. B-3	D Seam	30,740,000	
	E Seam	23,496,000	
	F Seam	34,675,000	
	J Seam	73,556,000	
	TOTAL	162,467,000	
BBCK CR. SOUTH	D Seam	8,102,000	
	E Seam	6,363,000	
	F Seam	10,258,000	
	I Seam	11,875,000	
	J Seam	20,851,000	
	TOTAL	57,449,000	
GROSS TOTAL		677,447,000	81,225,000

LEGEND

- STRIKE OF COAL SEAM
- D SEAM OUTCROP
- F SEAM OUTCROP
- J SEAM OUTCROP
- D SEAM CONTOUR LINE
- F SEAM CONTOUR LINE
- J SEAM CONTOUR LINE
- ADIT ENTRY
- 73-09 DRILL HOLE
- CROSS SECTION LINE
- FAULT
- SYNCLINAL AXIS
- ANTICLINAL AXIS

BABCOCK CREEK B-1

BABCOCK CREEK B-2

BABCOCK CREEK B-3

REVIEWED AREA

CARIBOU NORTH

CARIBOU SOUTH

BABCOCK CREEK SOUTH

CENTER NORTH

CENTER SOUTH

605

PR-QUINTETTE 74(2)12

MITSUI MINING CO., LTD. TOKYO JAPAN	
BABCOCK JOINT VENTURE PROJECT DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.	
COAL RESERVES MAP OF THE GATES MEMBER	
SCALE 1" = 1500'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-09-8

COAL RESERVES MAP OF THE GATES MEMBER

SCALE 1" = 1500'

		Theoretical Coal Reserves (M.Tons)	Minable Clean Coal Reserves (M.Tons)
CARIBOU NORTH	D Seam	16,573,000	
	E Seam	7,753,000	
	F Seam	20,011,000	4,407,000
	I Seam	26,566,000	6,108,000
	J Seam	43,671,000	7,935,000
	TOTAL	114,574,000	18,450,000
CARIBOU SOUTH	D Seam	10,391,000	
	E Seam	5,020,000	
	F Seam	18,515,000	5,359,000
	I Seam	15,282,000	4,847,000
	J Seam	32,068,000	8,239,000
	TOTAL	81,276,000	18,445,000
CENTER NORTH	D Seam	10,393,000	
	E Seam	10,277,000	
	F Seam	13,559,000	2,722,000
	I Seam	20,848,000	5,747,000
	J Seam	36,776,000	9,629,000
	TOTAL	91,853,000	18,098,000
CENTER SOUTH	D Seam	1,477,000	
	E Seam	1,477,000	
	F Seam	3,015,000	
	I Seam	5,994,000	
	J Seam	10,872,000	5,316,000
	TOTAL	22,835,000	5,316,000
REVIEWED AREA	D Seam	11,443,000	
	E Seam	6,410,000	
	F Seam	11,929,000	6,089,000
	I Seam	12,612,000	6,813,000
	J Seam	15,944,000	8,014,000
	TOTAL	58,338,000	20,916,000

		Theoretical Coal Reserves (M.Tons)	Minable Clean Coal Reserves (M.Tons)
BBCK CR. B-1	D Seam	7,197,000	
	E Seam	6,038,000	
	F Seam	9,927,000	
	J Seam	21,126,000	
	TOTAL	44,288,000	
BBCK CR. B-2	D Seam	7,572,000	
	E Seam	6,025,000	
	F Seam	9,944,000	
	J Seam	20,826,000	
	TOTAL	44,367,000	
BBCK CR. B-3	D Seam	30,740,000	
	E Seam	23,496,000	
	F Seam	34,675,000	
	J Seam	73,556,000	
	TOTAL	162,467,000	
BBCK CR. SOUTH	D Seam	8,102,000	
	E Seam	6,363,000	
	F Seam	10,258,000	
	I Seam	11,875,000	
	J Seam	20,851,000	
	TOTAL	57,449,000	
GROSS TOTAL		677,447,000	81,225,000

LEGEND

- STRIKE OF COAL SEAM
- D SEAM OUTCROP
- F SEAM OUTCROP
- J SEAM OUTCROP
- D SEAM CONTOUR LINE
- F SEAM CONTOUR LINE
- J SEAM CONTOUR LINE
- ADIT ENTRY
- 73-09 DRILL HOLE
- CROSS SECTION LINE
- FAULT
- SYNCLINAL AXIS
- ANTICLINAL AXIS

BABCOCK CREEK B-1

BABCOCK CREEK B-2

BABCOCK CREEK B-3

REVIEWED AREA

CARIBOU NORTH

CARIBOU SOUTH

BABCOCK CREEK SOUTH

CENTER NORTH

CENTER SOUTH

duplicate

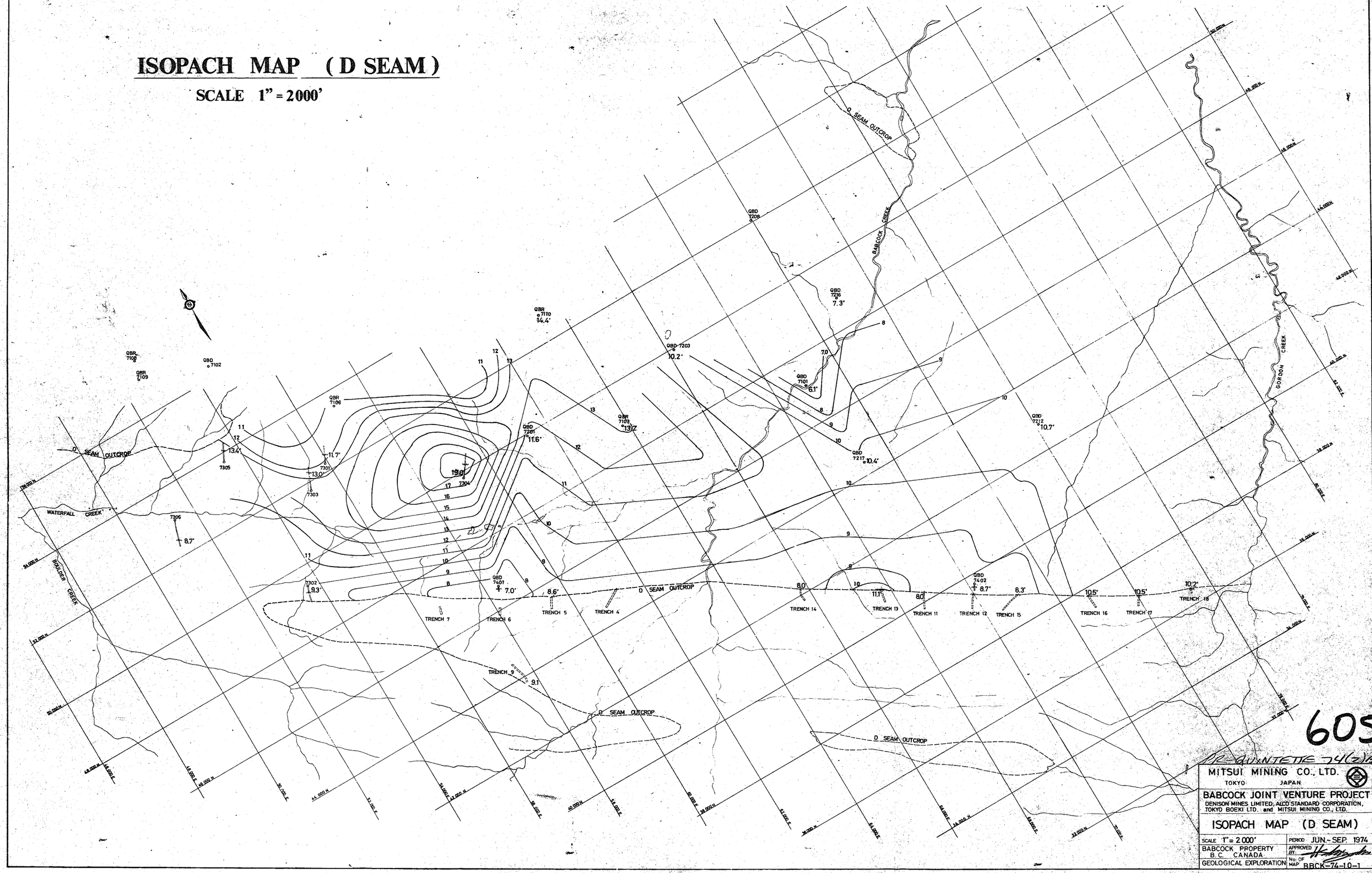
605

PR-QUINTETTE 74(2)B

MITSUI MINING CO., LTD. TOKYO JAPAN	
BABCOCK JOINT VENTURE PROJECT DENISON MINES LIMITED, ACC-STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.	
COAL RESERVES MAP OF THE GATES MEMBER	
SCALE 1" = 1500'	PERIOD JUN.-SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-09-8

ISOPACH MAP (D SEAM)

SCALE 1" = 2000'



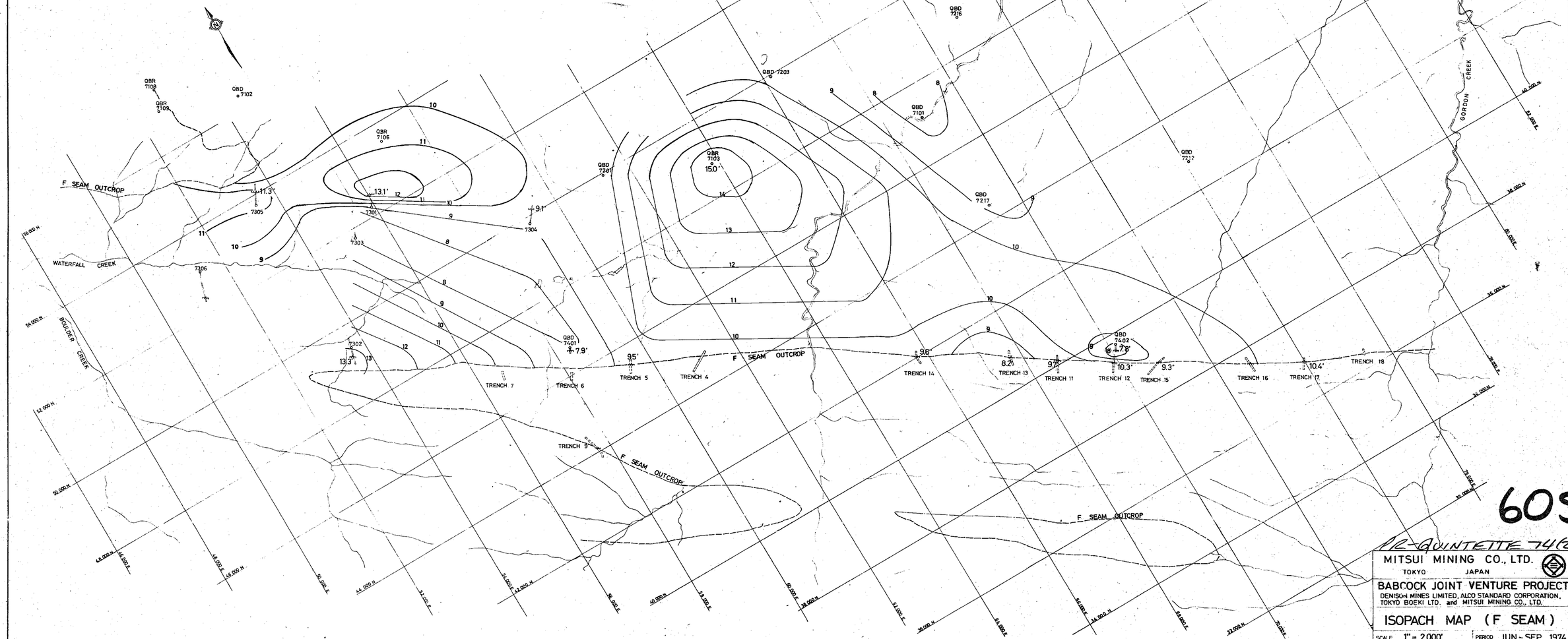
605

AR-GM-NTETIE 74(2)B.

MITSUI MINING CO., LTD. TOKYO JAPAN	
BABCOCK JOINT VENTURE PROJECT DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.	
ISOPACH MAP (D SEAM)	
SCALE 1" = 2,000'	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-10-1

ISOPACH MAP (F SEAM)

SCALE 1" = 2000'



605

RE-QUINTETTE 7402B.

MITSUI MINING CO., LTD.
TOKYO JAPAN

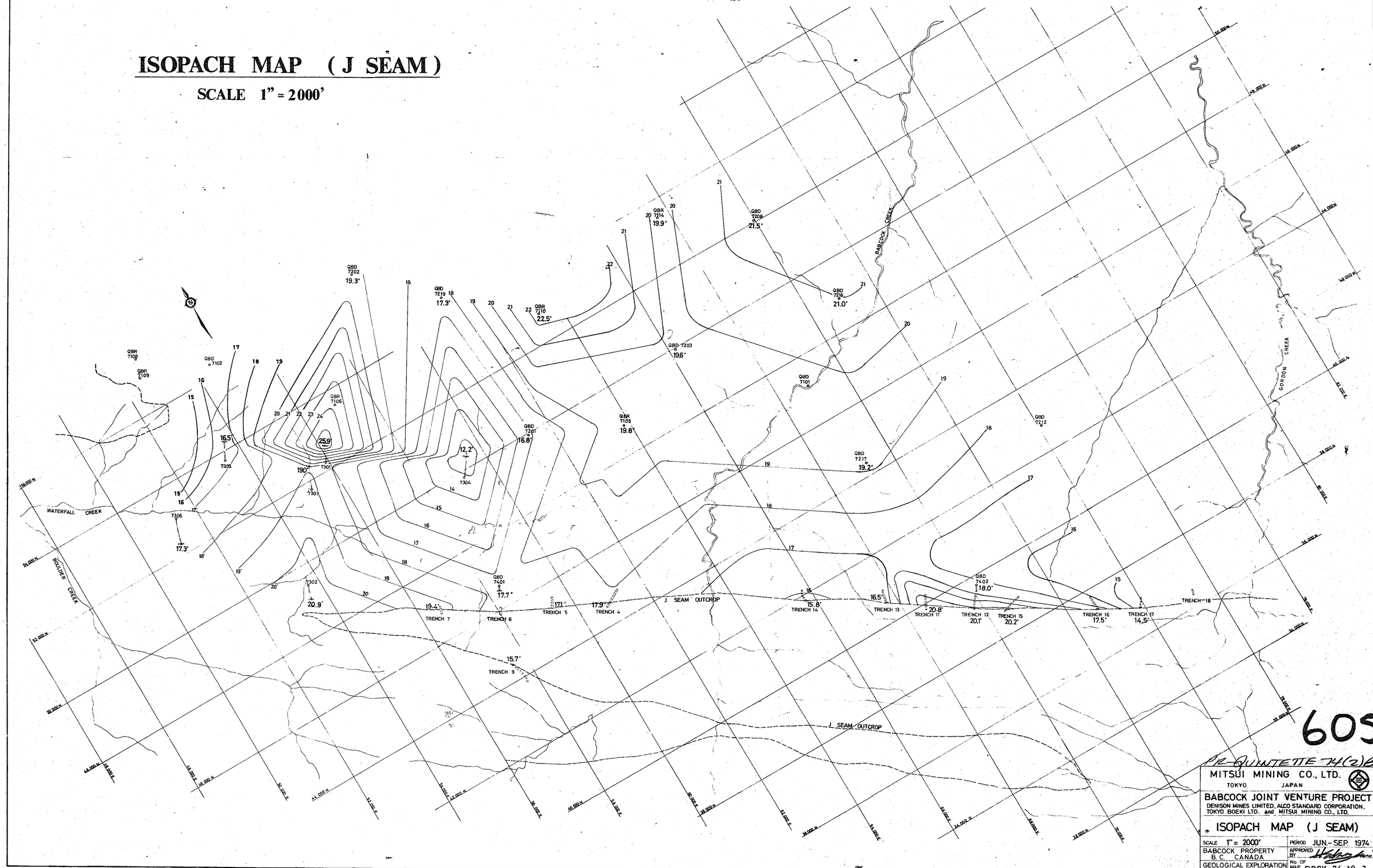
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

ISOPACH MAP (F SEAM)

SCALE 1" = 2000'	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B. C. CANADA	APPROVED BY Watanabe
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-10-2

ISOPACH MAP (J SEAM)

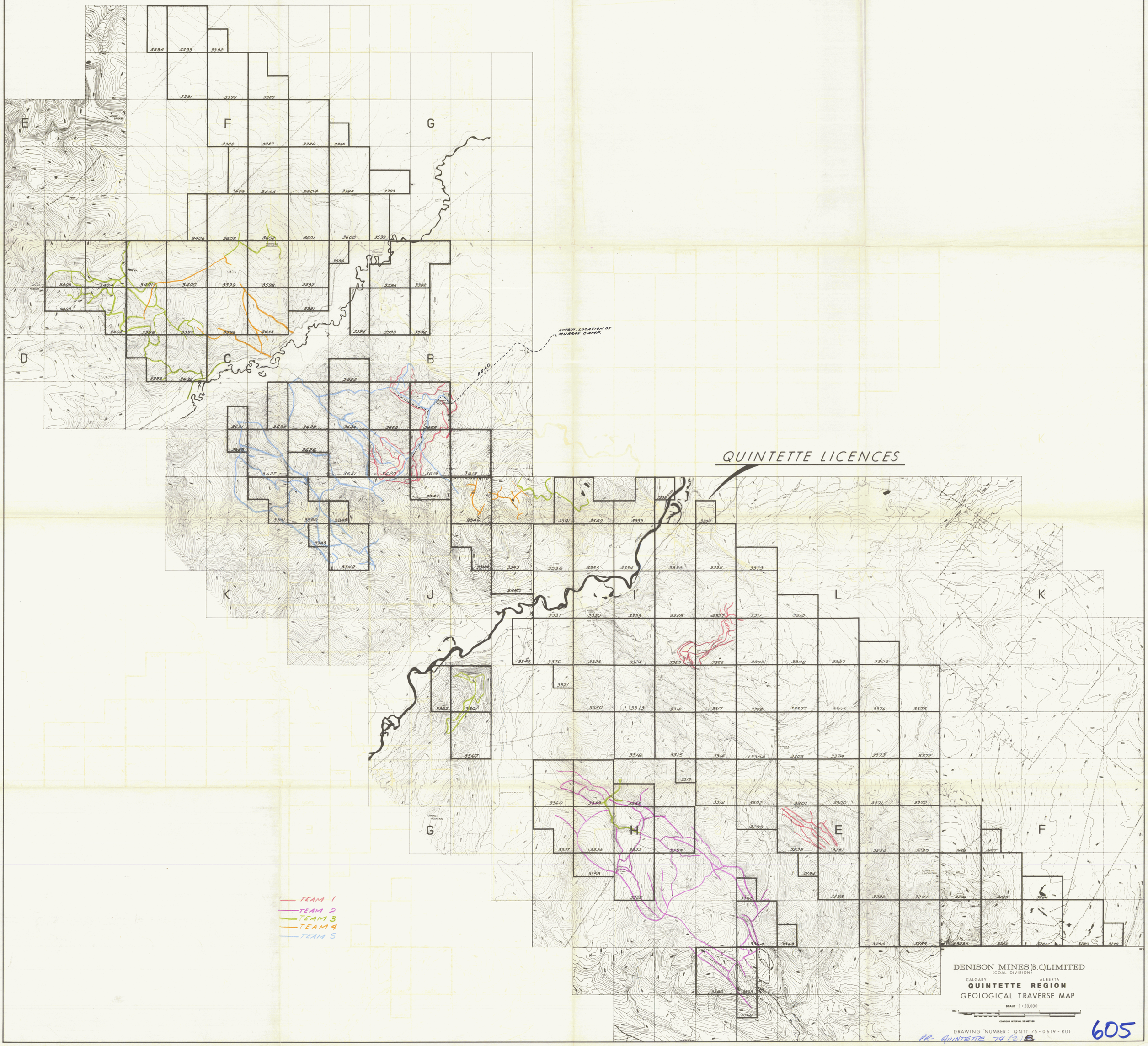
SCALE 1" = 2000'



605

Pre-Quintette 74(2)B

MITSUI MINING CO., LTD. TOKYO JAPAN	
BABCOCK JOINT VENTURE PROJECT DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.	
ISOPACH MAP (J SEAM)	
SCALE 1" = 2000'	PERIOD JUN.~SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP BBCK-74-10-3


QUINTETTE LICENCES
APPROX. LOCATION OF MURRAY CAMP.
ROAD
TEAM 1
TEAM 2
TEAM 3
TEAM 4
TEAM 5
DENISON MINES (B.C.) LIMITED
(COAL DIVISION)
CALGARY ALBERTA
QUINTETTE REGION
GEOLOGICAL TRAVERSE MAP
SCALE 1:50,000
CONTOUR INTERVAL 20 METRES
DRAWING NUMBER: QNTT 75-0619-R01
RE- QUINTETTE 74 (2)
605

BABCOCK ANTICLINE

WATERFALL Cr. SYNCLINE

KMb

KCm(g)

KCm(h)

KCm(b)

KSh

J SEAM OUTCROP

F SEAM OUTCROP

D SEAM OUTCROP

G SEAM

ADIT J-2

ADIT G-5

ADIT F-1

ADIT J-7

ADIT E-8

ADIT B-4

ADIT F-6

Area Outside of Control Surveys

108

110

111

112

58,000 N

57,000 N

56,000 N

55,000 N

53,000 N

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

LEGEND

COMPILED BY
BURNETT RESOURCE SURVEYS LTD

SCALE: 1" = 200' OR 1:2400
CONTOUR INTERVAL 10 FEET
IN AREAS WHERE THE ACCURACY OF THE CONTOURS CANNOT BE GUARANTEED
DATE OF PHOTOGRAPHY SEPT. 1973
DATE OF MAPPING DECEMBER, 1973

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Control Data were established by Burnett Resource Surveys Ltd. and Gerald H. Burnett and Associates Ltd. utilizing MRA-3 Tellurometers, H.P. 3800 Infra Red Distancers and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM: The horizontal and Vertical Datum was derived from B.C. Hydro supply established control stations TS (elev. 6305.21' Lat. 54° 52' 56.285" Long. 121° 01' 09.146" or 37,312.23' north, 54,919.71' East and TS (elev. 6136.21' Lat. 54° 56' 26.189" Long. 121° 07' 09.98", 57,997.61' North, 58,359.76' East. Stations TS and TS were established in 1971 by Wade, Hosford & Impey Ltd.

AR-QUINTETTE 74(2)B

Sheet Number P7d

DRAWN BY | DATE | SCALE
APPROVED BY | DRAWING No

605

KCm(g)

KMb

TRENCH NO.1

J SEAM OUTCROP

KCm(g)

F SEAM OUTCROP

D SEAM OUTCROP

KCm(b)

WATERFALL CREEK SYNCLINE

KCm(h)

KSh

KCm(b)

KSh

WATERFALL CREEK ANTICLINE

MURRAY SYNCLINE

KCm(b)

KCm(b)

KCm(b)

KSh

KCm(h)

KCm(h)

KCm(g)

KSh

KCm(b)

KCm(g)

D SEAM?

J SEAM?

KSh

KMb

LEGEND

COMPILED BY
BURNETT RESOURCE SURVEYS LTD

DATE OF PHOTOGRAPHY SEPT 1973
DATE OF MAPPING DECEMBER 1973

SURVEY NOTE

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1973

RE-QUINTETTE 74(2)B.

605

394

QBD
GSM 7402
EL.+5460ft

QBD
GSM 7403
EL.+5797.43

KSh
KCm(b)
KCm(h)
KCm(g)
KMb
KGt
KCd
KNk

BABCOCK WATERFALL CR. SYNCLINE
ANTICLINE
WATERFALL CR. ANTICLINE
MURRAY SYNCLINE
F-1
F-2
F-3
F-4

TRENCH NO.15
TRENCH NO.16
TRENCH NO.17
GETHING TRENCH

BIRD SEAM
G SEAM
F SEAM
E SEAM
D SEAM
C SEAM
B SEAM
T.1 SEAM

Posted elevation contours 20-35'

38,000 N
36,000 N
34,000 N
32,000 N
30,000 N
28,000 E
70,000 E
72,000 E
74,000 E
76,000 E
78,000 E
80,000 E
82,000 E
84,000 E

LEGEND

Highway 1000 ..... River .....
Secondary 1001 ..... Stream .....
Trails or tracks ..... Intermittent stream .....
Railway ..... Swamp .....
Fence ..... Contour .....
Well ..... Cairn, Monument .....
Cut line ..... Triangulation point .....
Tree cover .....
Tree line .....

COMPILED BY ..... DATE .....

NORTH WEST SURVEY CORP. LTD.

MAP SCALE

CONTOUR INTERVAL 20'

DATE OF PHOTOGRAPHS JULY, 1971
DATE OF MAPPING DECEMBER, 1971

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Coordinates were established by WAITE, HOSFORD & IMPEY LTD. under the personal supervision of E. J. HODGE, L.S. (Aust) Pr.E. (Delft), using MRA 3 Tellurometers and Wild T-2 Theodolites. Horizontal distances were reduced to mean sea level, elevations were derived by line Levelling with vertical angles being read at both ends of each course simultaneously.

GRID: Horizontal Control was established on the Provincial B.C. Government Polyconic Rectangular Coordinates, based on Cruises 1966 Spheroid. Bearings referred to the Meridian through 121 West. Coordinates derived from Trig station Quintette 1. (2374) Lat. 54° 51' 30.33", Long. 120° 52' 38.31", 28615.52 North, 84813.65 East.

DATUM: Elevations shown are above mean sea level Heights derived from Trig station Quintette 1. (2374) Elev. 4044

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 8 1975

605
D-5
RR- QUINTETTE 74(2)B.

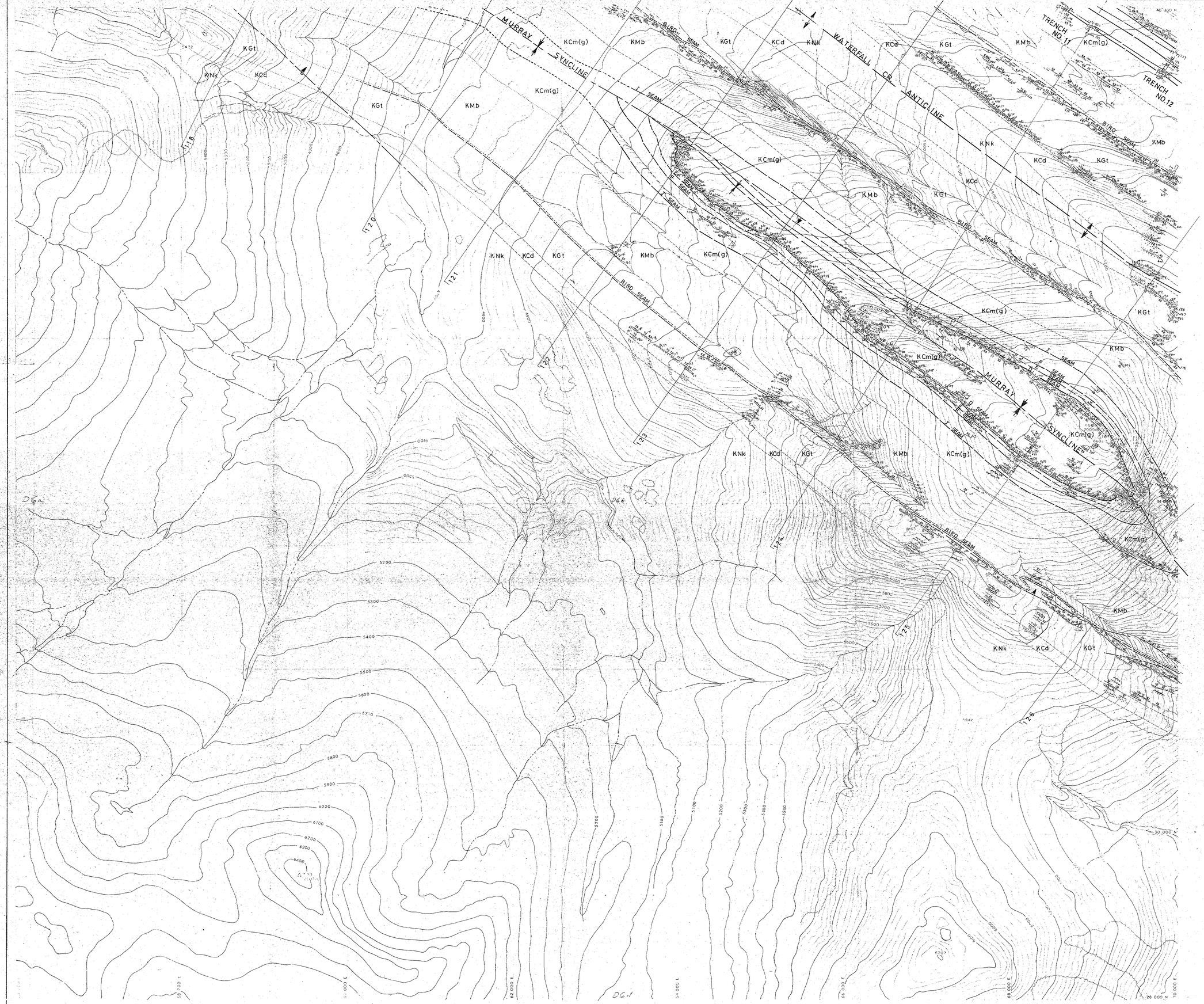
MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

GEOLOGICAL MAP

SCALE 1" = 400'	PERIOD JUN. ~ SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP D-5

MAP # 29



LEGEND

Improved road
Secondary road
Track or trail
Railway
Fence
Wire
Cut line
Tree line
Power line
River
Stream
Intermittent stream
Swamp
Contour
Spot elevation
Mining claim

MAP SCALE

SURVEY NOTE

CONTROL SURVEY - The Horizontal and Vertical Co-ordinates were established by WHITE, HOWDEN & HOWLETT LTD. under the personal supervision of E. J. HODGE, L.S. (Aust) PLS (Delta) using MRA 3 Tellurometers and Wad T-2 Theodolites. Horizontal distances were reduced to mean sea level. Elevations were derived by Trig Levelling with vertical angles being read at both ends of each course simultaneously.
GRID - Horizontal Co-ordinates shown are converted B.C. Government Polyconic Bearings are astronomic based on Clarkes 1866 Spheroid. Bearings referred to the Meridian through Trig. W.-E. Co-ordinates derived from Trig station Quadette E. (2174) and 58 50 [illegible] 52 38 [illegible] North 64813.65 East.
DATUM - Elevations shown are above mean sea level (Geodetic) derived from Trig station Quadette E. (2174) [illegible]

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

605

RE- QUINTETTE 74.(2)B.D-6

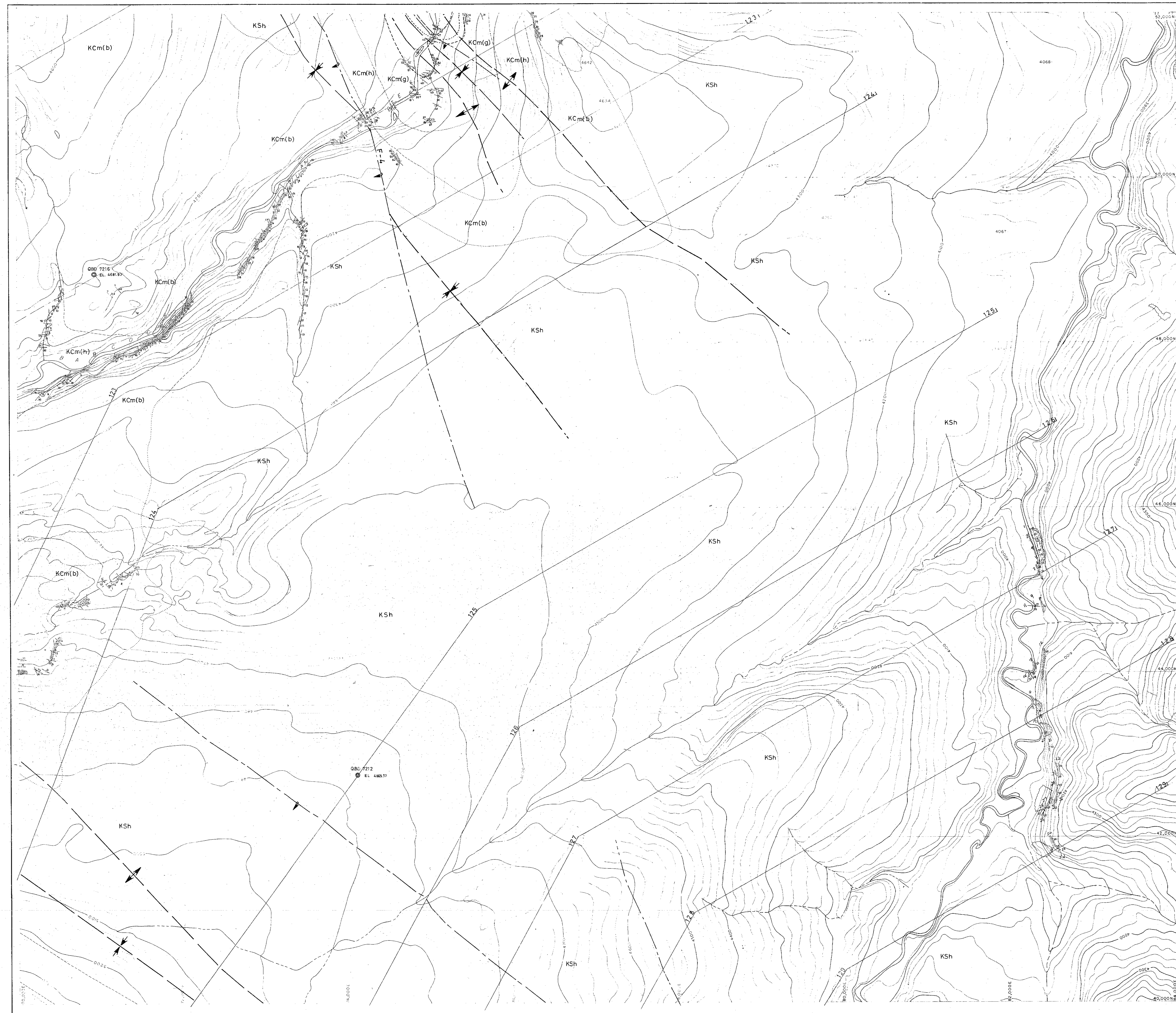
MITSUI MINING CO., LTD.
TOKYO JAPAN

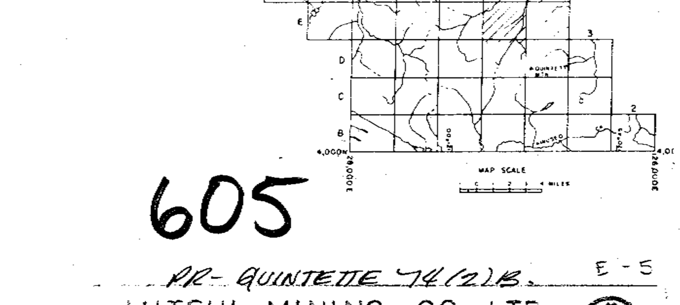
BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

GEOLOGICAL MAP

SCALE 1" = 400'	PERIOD JUN. ~ SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP D-6.

Map 30





LEGEND

Improved road	River	Road
Secondary road	Stream	Road
Track or trail	Intermittent stream	
Railway	Swamp	
Fence		
Wall	Horizontal control △	
Cut line	Vertical control 4465.73	
Tree area	Spot elevation 4567	
Tree line	Photo point	

COMPILED BY
NORTHWEST SURVEY CORP. LTD.

MAP SCALE

400 300 200 100 0 400 800 1200 2000 FT

CONTOUR INTERVAL 20

DATE OF PHOTOGRAPHY JULY, 1971
DATE OF MAPPING SEPTEMBER

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Co-ordinates were established by WHITE, HOSFORD & IMPEY LTD., under the personal supervision of E. J. HODGE, L.S. (Aust) Ph.E. (Delft), using MRA 3 Tellurometers and Wild T-2 Theodolites. Horizontal distances were reduced to mean sea level, elevations were derived by Trig levelling with vertical angles being read at both ends of each course simultaneously.

GRID: Horizontal Co-ordinates shown are converted B.C. Government Polyconic Rectangular Co-ordinates based on Clarkes 1866 Spheroid. Bearings referred to the Meridian through 121° West. Co-ordinates derived from Trig station Quintette E. (2374) Lat. 54° 51' 30.33", Long. 120° 52' 38.31", 28615.52 North, 84813.65 East.

DATUM: Elevations shown are above mean sea level (Geodetic) derived from Trig station Quintette E. (2374) Elev. 6044'.

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

605

PR- QUINTETTE 74(2)B. E-5

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

GEOLOGICAL MAP

SCALE 1" = 400'	PERIOD JUN.- SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP E-5

OMap #31 BP

KCm(b)
KCm(h)
KSh
KMb
KCm(g)
KNk
KGt
KCd

QBD 7203
EL. +4769.3

QBD 7201
EL. +4162

QBD 7217
EL. +4681.93

BABCOCK-2 ANTICLINE

WATERFALL CR. SYNCLINE

TRENCH NO.14

TRENCH NO.19

D SEAM
E SEAM
F SEAM
J SEAM
BIRD SEAM

118
120
122
124
126

46,000N
48,000N
50,000N
42,000N

LEGEND

River
Stream
Intermittent stream
Swamp
Contours
Comm. Monument
Compil. Photo
Spot elevation 4567
Index contour
Railway
Fence
Wall
Cut line
Tree lines
Tree line

COMPILED BY
NORTH WEST SURVEY CORP. LTD.

MAP SCALE
400 300 200 100 0 400 800 1200 1600 2000 FT

CONTOUR INTERVAL
DATE OF PHOTOGRAPHY
DATE OF SURVEY

SURVEY NOTE

CONTROL SURVEY. The Horizontal and Vertical Co-ordinates were established by WHITE, HOSFORD & IMPEY LTD. under the personal supervision of E. A. HODGE, L.S. (Aust) Ph.E. (Delft), using MRA 3 Tellurometers and Wild T-2 Theodolites. Horizontal distances were reduced to mean sea level, elevations were derived by Trig Levelling with vertical angles being read at both ends of each course simultaneously.
GRID. Horizontal Co-ordinates shown are converted B.C. Government Polyconic Rectangular Co-ordinates, based on Clarkes 1866 Spheroid. Bearings referred to the Meridian through 121° West. Co-ordinates derived from Trig station Quinette E. (2374) Lat. 54° 51' 39.83", Long. 120° 50' 38.31", 29615.52 North, 84813.65 East.
DATUM. Elevations shown are above mean sea level (Geodetic) derived from Trig station Quinette E. (2374) [illegible] 6144

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

KEY MAP

605

Re- Quintette 94(12) B E-6

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT
DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

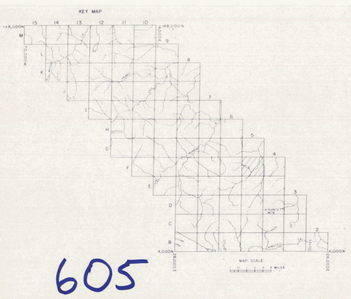
GEOLOGICAL MAP

SCALE 1" = 400'	PERIOD JUN. - SEP. 1974
BABCOCK PROPERTY CANADA	APPROVED BY
	No. OF E-6

Map # 32

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 8 1975

KEY MAP



605

RE - GUINETTE 74(2) 6. F-5

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT

DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

GEOLOGICAL MAP

SCALE 1" = 400'	PERIOD JUN. ~ SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF MAP F-5

Map 1833

LEGEND

Improved road
Secondary road
Track or trail
Railway
Ferry
Wall
Cut line
Tree area
Tree line
River
Stream
Intermittent stream
Swamp
Contours
Horizontal control
Vertical control V-446573
Spot elevation 4567
Photo point
Road 2% trees
Road 0-50% trees
Road over 5% trees

COMPILED BY
NORTHWEST SURVEY CORP. LTD.

1" = 400'

MAP SCALE
400 300 200 100 0 400 800 1200 1600 2000FT

CONTOUR INTERVAL 20'
DATE OF PHOTOGRAPHY JULY, 1971
DATE OF MAPPING SEPTEMBER, 1971

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Co-ordinates were established by WHITE, HOSFORD & IMPEY LTD., under the personal supervision of E. J. HODGE, L.S. (Aust) Ph.E. (Delft), using MRA 3 Tellurometers and Wild T-2 Theodolites. Horizontal distances were reduced to mean sea level, elevations were derived by Trig Levelling with vertical angles being read at both ends of each course simultaneously.

GRID: Horizontal Co-ordinates shown are converted B.C. Government Polyconic Rectangular Co-ordinates, based on Clarkes 1866 Spheroid, Bearings referred to the Meridian through 121° West. Co-ordinates derived from Trig station Quintette E. (2274) Lat. 54° 51' 30.33", Long. 120° 52' 38.31", 28615.52 North, 84813.65 East.

DATUM: Elevations shown are above mean sea level (Geodetic) derived from Trig station Quintette E. (2274) Elev. 6044'

QBD 7205
EL. 5802.89

QBD 7107
EL. 5411.79

QBD 7202
EL. 5926.71

QBD 7204
EL. 5495.15

QBD 7200
EL. 4923.59

QBD 7218
EL. 5371.04

QBD 7206
EL. 4941.52

QBD 7208
EL. 4589.81

QBD 7219
EL. 5671.92

QBD 7104
EL. 5305.07

QBD 7106
EL. 5301.16

QBR 7114
EL. 4931.08

QBR 7110
EL. 5404.83

QBR 7105
EL. 5303.52

KCm(b)

KCm(h)

1.13 1.14 1.15 1.16 1.17

64,000N
62,000N
60,000N
58,000N
56,000N
54,000N
52,000N

56,000E 58,000E 60,000E 62,000E 64,000E 66,000E

DEPT. OF MINES AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

KEY MAP

605

MR - Quintette 74(2)8. F-6

LEGEND

Improved road
Secondary road
Track or trail
Railway
Fence
Wall
Cut line
Tree line
River
Stream
Intermittent stream
Swamp
Horizontal control
Vertical control
Spot elevation 4567
Photo point
Road 2% trees
Road 2-5% trees
Road over 5% trees

COMPILED BY
NORTHWEST SURVEY CORP. LTD.

MAP SCALE
400 300 200 100 0 400 800 1200 1600 2000 FT

CONTOUR INTERVAL 20'
DATE OF PHOTOGRAPHY JULY 1971
DATE OF MAPPING OCTOBER 1971

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Co-ordinates were established by WHITE, HOSFORD & IMPEY LTD., under the personal supervision of E. J. HODGE, L.S. (Aust) Ph.E. (Delft), using MRA 3 Tellurometers and Wild T-2 Theodolites. Horizontal distances were reduced to mean sea level, elevations were derived by Trig. Levelling with vertical angles being read at both ends of each course simultaneously.
GRID: Horizontal Co-ordinates shown are converted B.C. Government Polyconic Rectangular Co-ordinates, based on Clarkes 1866 Spheroid, Bearings referred to the Meridian through 121° West. Co-ordinates derived from Trig station Quintette E. (2374) Lat. 54° 51' 30.33", Long. 120° 52' 38.31", 28615.52 North, 84813.65 East.
DATUM: Elevations shown are above mean sea level (Geodetic) derived from Trig station Quintette E. (2374) Elev. 6044'.

MITSUI MINING CO., LTD.
TOKYO JAPAN

BABCOCK JOINT VENTURE PROJECT

DENISON MINES LIMITED, ALCO STANDARD CORPORATION, TOKYO BOEKI LTD. and MITSUI MINING CO., LTD.

GEOLOGICAL MAP

SCALE 1" = 400'	PERIOD JUN. - SEP. 1974
BABCOCK PROPERTY B.C. CANADA	APPROVED BY
GEOLOGICAL EXPLORATION	No. OF M&P F-6

Map #34

KCm(h)

KCm(g)

BABCOCK ANTICLINE

KCm(b)

KC m (h)

KSh

WATERFALL CREEK SYNCLINE

KSh

KCm(h)

KCm(g)

KCm(h)

QBD 7201
EL 4744.87

KC m (b)

KCm(h)

KSh

KSh

KSh

KCm(h)

TRENCH NO.7

D SEAM
E SEAM
F SEAM
J SEAM
L SEAM

QBD 7401
EL +5061.58

KCm(b)

KCm(g)

KCm(g)

52,000 N

51,000 N

47,000 N

46,000 N

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

LEGEND

COMPILED BY
BURNETT RESOURCE SURVEYS LTD.

SCALE 1:00 OR 1 INCH TO 00 FEET

SURVEY NOTE

CONTROL SURVEY. The Horizontal and Vertical Co-ordinates were established by Burnett Resource Surveys Ltd. and David H. Burnett and Associates Ltd. utilizing MRA3 Tellurometers, H.P. 3800 Infra Red Distances and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM. Horizontal and Vertical Datum was derived from previously established control stations T5 (elev. 6309.2) Lat. 54° 52' 56.269", Long. 121° 01' 09.116" 37,312.22 North, 54,919.71 East, and T9 (elev. 6126.2) Lat. 54° 56' 20.165", Long 121° 00' 07.049", 57,997.61 North, 58,550.76 East. Stations T5 and T9 were established in 1971 by White, Hosford & Impey Ltd.

RE-QUINTETTE 74(E)3.

Sheet Number E6a

DRAWN BY | DATE | SCALE 1"=400'
APPROVED BY | DRAWING No.

605

Map #138

KCm(b)

QBR 7103
©
EL. 4763.17

KCm(h)

KCm(h)

KCm(b)

KSh

LEGEND

Improved road
Secondary road
Trails or Tops
Buildings
Stream
River
Lake
Tree area
Contours
Control Horiz & Vert
Adits
Drill Holes
Spot elevation

COMPILED BY
BURNETT RESOURCE SURVEYS LTD

SCALE 1" = 100' OR 1 INCH TO 100 FEET

CONTOUR INTERVAL 10'

IN HEAVILY WOODED AREAS THE ACCURACY OF THE CONTOURS CANNOT BE GUARANTEED.

DATE OF PHOTOGRAPHY SEPT. 1973
DATE OF MAPPING DECEMBER, 1973

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Co-ordinates were established by Burnett Resource Surveys Ltd. and David H. Burnett and Associates Ltd utilizing MRA3 Tellurometers, H.P. 3800 Infra Red Distances and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM: Horizontal and Vertical Datum was derived from previously established control stations: T5 (elev. 6309.2) Lat. 54° 52' 56.769", Long. 121° 01' 09.116", 37,312.22' North, 54,919.71' East, and T9 (elev. 6126.2) Lat. 54° 56' 20.165", Long. 121° 00' 07.049", 57,997.61' North, 58,550.76' East. Stations T5 and T9 were established in 1971 by White, Hosford & Impey Ltd.

KEY MAP

SHEET NUMBER E6b

DRAWN BY | DATE | SCALE
APPROVED BY | DRAWING NO.

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

PR-QUINTETTE 74(2)6.

605

(MAP # 139)

TRENCH NO. 6

TRENCH NO. 5

TRENCH NO. 4

TRENCH NO. 9

KMb

KCm(h)

KCm(g)

KCm(b)

WATERFALL CR.

ANTICLINE

BIRD SEAM

KGt

KCd

D SEAM

E SEAM

F SEAM

I SEAM

MURRAY

SYNCLINE

KNk

F-1

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

KEY MAP

EXAMPLE

MAP SCALE

LEGEND

Improved road
Secondary road
Track or Trail
Buildings
Stream
River
Lake
Tree area
Contours
Control Horiz & Vert
Adits
Drill Holes
Spot elevation

COMPILED BY
BURNETT RESOURCE SURVEYS LTD.

SCALE- 1 , 00 OR 1 INCH TO 00 FEET

CONTOUR INTERVAL 10'

IN HEAVILY WOODED AREAS THE ACCURACY OF THE CONTOURS CANNOT BE GUARANTEED

DATE OF PHOTOGRAPHY SEPT, 1973
DATE OF MAPPING DECEMBER, 1973

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Co-ordinates were established by Burnett Resource Surveys Ltd. and David H. Burnett and Associates Ltd. utilizing MRA3 Tellurometers, H.P. 3800 Infra Red Distancers and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM: Horizontal and Vertical Datum was derived from previously established control stations T5 (elev. 6309.2) Lat. 54° 52' 56.269", Long. 121° 01' 09.116" 37,312.22 North, 54,919.71 East, and T9 (elev. 6126.2) Lat. 54° 56' 20.165", Long 121° 00' 07.049", 57,997.61 North, 58,550.76 East. Stations T5 and T9 were established in 1971 by White, Hosford & Impey Ltd.

PR-QUINTETTE 74(2)S.

Sheet Number E6c

DRAWN BY | DATE | SCALE

APPROVED BY | DRAWING No.

(Omap # 1408)

605

KSh

KCm(b)

KCm(h)

KCm(g)

J SEAM ?

KMb

107

108

109

110

111

D SEAM

E SEAM

J SEAM

KCm(h)

KCm(g)

KMb

KGt

KCd

KNk

LEGEND

Improved road
Secondary road
Track or Trail
Buildings
Stream
River
Lake
Tree-lined
Contours — 5650 — 5600 —
Control-Horiz & vert △ 4254
Adits
Drill holes
Spot elevation × 5645

COMPILED BY
BURNETT RESOURCE SURVEYS LTD

SCALE- 1 : 1,00 OR 1 INCH TO 400 FEET

CONTOUR INTERVAL 10
IN HEAVILY WOODED AREAS THE ACCURACY
OF THE CONTOURS CANNOT BE GUARANTEED

DATE OF PHOTOGRAPHY SEPT. 1973
DATE OF MAPPING DECEMBER 1973

SURVEY NOTE

CONTROL SURVEY. The Horizontal and Vertical Co-ordinates were established by Burnett Resource Surveys Ltd. and David H. Burnett and Associates Ltd. utilizing MRA3 Telluriometers, H.P. 3800 Infra Red Distancers and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM. Horizontal and Vertical Datum was derived from previously established control stations TS (elev. 6,309.2') Lat. 54° 52' 56.269" Long. 121° 01' 09.116" 37,312.22 North, 54,919.71 East, and T9 (elev. 6176.2') Lat. 54° 56' 20.165" Long. 121° 00' 07.049", 37,997.11 North, 58,550.76 East. Stations TS and T9 were established in 1971 by White, Hosford & Impey Ltd.

KEY MAP

EXAMPLE

MAP SCALE

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

PR-QUINTETTE 74 (2) 6.

Sheet Number E7a

Map #141

Map #141

DRAWN BY | DATE | SCALE
APPROVED BY | DRAWING No

605

KCm(g)
KCm(h)
KCm(b)
KSh
WATERFALL CR. ANTICLINE
MURRAY SYNCLINE
D SEAM
E SEAM
F SEAM
I SEAM
J SEAM
F-1
A
B
1112
1113
1114
1115
TSC
DEL +4565

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

KEY MAP

LEGEND

SURVEY NOTE

CONTROL SURVEY. The Horizontal and Vertical Co-ordinates were established by Burnett Resource Surveys Ltd. and David M. Burnett and Associates Ltd. utilizing MRA3 Tellurometers, H.P. 3800 Infra Red Distancers and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM: Horizontal and Vertical Datum was derived from previously established control stations T5 (elev. 6309.2) Lat. 54° 52' 56.269", Long. 121° 01' 09.116" 37,312.22' North, 54,919.71' East, and T9 (elev. 6126.2) Lat. 54° 56' 20.185", Long 121° 00' 07.049", 57,997.61' North, 58,550.76' East. Stations T5 and T9 were established in 1971 by White, Hoshino & Impey Ltd.

PR-QUINTETTE 74(2)R.

Sheet Number E7b

DRAWN BY | DATE | SCALE
APPROVED BY | DRAWING No.

Map #142(B)

605

F-2

KGt

KMb

KCm(h)

KCm(b)

KCm(b)

KSh

MURRAY SYNCLINE

F-2

KNk

KCd

KGt

F-1 SEAM

F-2 SEAM

KCm(g)

KMb

KGt

KNk

KCd

F-2

Area Outside of Control Survey

111

112

113

114

115

116

117

5950

5900

5850

5800

5750

5600

5500

5400

5300

5200

5100

5000

4900

4800

4700

4600

4500

4400

4300

4200

4100

4000

3900

3800

3700

3600

3500

3400

3300

3200

3100

3000

2900

2800

2700

2600

2500

2400

2300

2200

2100

2000

1900

1800

1700

1600

1500

1400

1300

1200

1100

1000

900

800

700

600

500

400

300

200

100

481

553

No map plot from ISPG
as haven't completed
Verifying this map-
needs to be checked over
light table for
location and strike
Elevation, formation
and dip have been
verified
gw

DEPT. OF MINES
AND PETROLEUM RESOURCES
Rec'd JUL - 9 1975

KEY MAP

LEGEND

Improved road
Secondary road
Trail or foot
Buildings
Stream
River
Lake
Tree line
Contours
Control Horiz & Vert
Adits
Drill Holes
Spot elevation

COMPILED BY
BURNETT RESOURCE SURVEYS LTD

SCALE: 1 : 2,000 OR 1 INCH TO 200 FEET

CONTOUR INTERVAL 10'

IN HEAVILY WOODED AREAS THE ACCURACY OF THE CONTOURS CANNOT BE GUARANTEED

DATE OF PHOTOGRAPHY SEPT. 1973
DATE OF MAPPING DECEMBER, 1973

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Co-ordinates were established by Burnett Resource Surveys Ltd. and David H. Burnett and Associates Ltd. utilizing MRA3 Tellurometers, H.P. 3800 Infra Red Distancers and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM: Horizontal and Vertical Datum was derived from previously established control stations TS (elev. 6309.2) Lat. 54° 52' 56.269", Long. 121° 01' 09.116", 37,312.22 North, 54,919.71 East, and T9 (elev. 6126.2) Lat. 54° 56' 20.165", Long 121° 00' 07.049", 57,997.61 North, 58,550.76 East. Stations TS and T9 were established in 1971 by White, Hosford & Impey Ltd.

PR-QUINTETTE 74(2)13.

Sheet Number 87d

Highpeak

DRAWN BY | DATE | SCALE
DESIGNED BY | CHECKED BY

605

Map # 143 (P)

KCm (b)

KCm (h)

KCm (g)

KCm(h)

Area Outside of Control Survey

113

114

115

135

58,000 N

57,000 N

56,000 N

55,000 N

54,000 N

53,000 N

52,000 N

LEGEND

Improved road
Secondary road
Track or Trail
Buildings
Tree area
Contours
Control Horiz & Vert
Adits
Drill Holes
Spot elevation

SCALE- 1 ,00 OR 1 INCH TO 00 FEET

CONTOUR INTERVAL 10

IN HEAVILY WOODED AREAS THE ACCURACY OF THE CONTOURS CANNOT BE GUARANTEED

DATE OF PHOTOGRAPHY SEPT. 1973

DATE OF MAPPING DECEMBER 1973

BY
URVEYS LTD

SURVEY NOTE

CONTROL SURVEY: The Horizontal and Vertical Co-ordinates were established by Burnett Resource Surveys Ltd. and David H. Burnett and Associates Ltd. utilizing MRA3 Tellurometers, H.P. 3800 Infra Red Distancers and Kern DKM2A Theodolites. Horizontal distances are reduced to Mean Sea Level.
DATUM: Horizontal and Vertical Datum was derived from previously established control stations T5 (elev. 6309.2) Lat. 54° 52' 56.269", Long. 121° 01' 09.116" 3) 312.22 North, 54,919.71 East, and T9 (elev. 6126.2) Lat. 54° 56' 20.165", Long 121° 00' 07.049", 57,997.61 North, 58,550.76 East. Stations T5 and T9 were established in 1971 by White, Hosford & Impey Ltd.

KEY MAP

EXAMPLE

MAP SCALE

PR-QUINTETTE 74(2)B.

digitized

Sheet Number P6c

DRAWN BY | DATE

APPROVED BY | DRAWING No.

DMap #144

605