

K-FORING RIVER 812A

326  
(2)

**CONFIDENTIAL**  
**CONFIDENTIAL**

**OPEN FILE**

**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

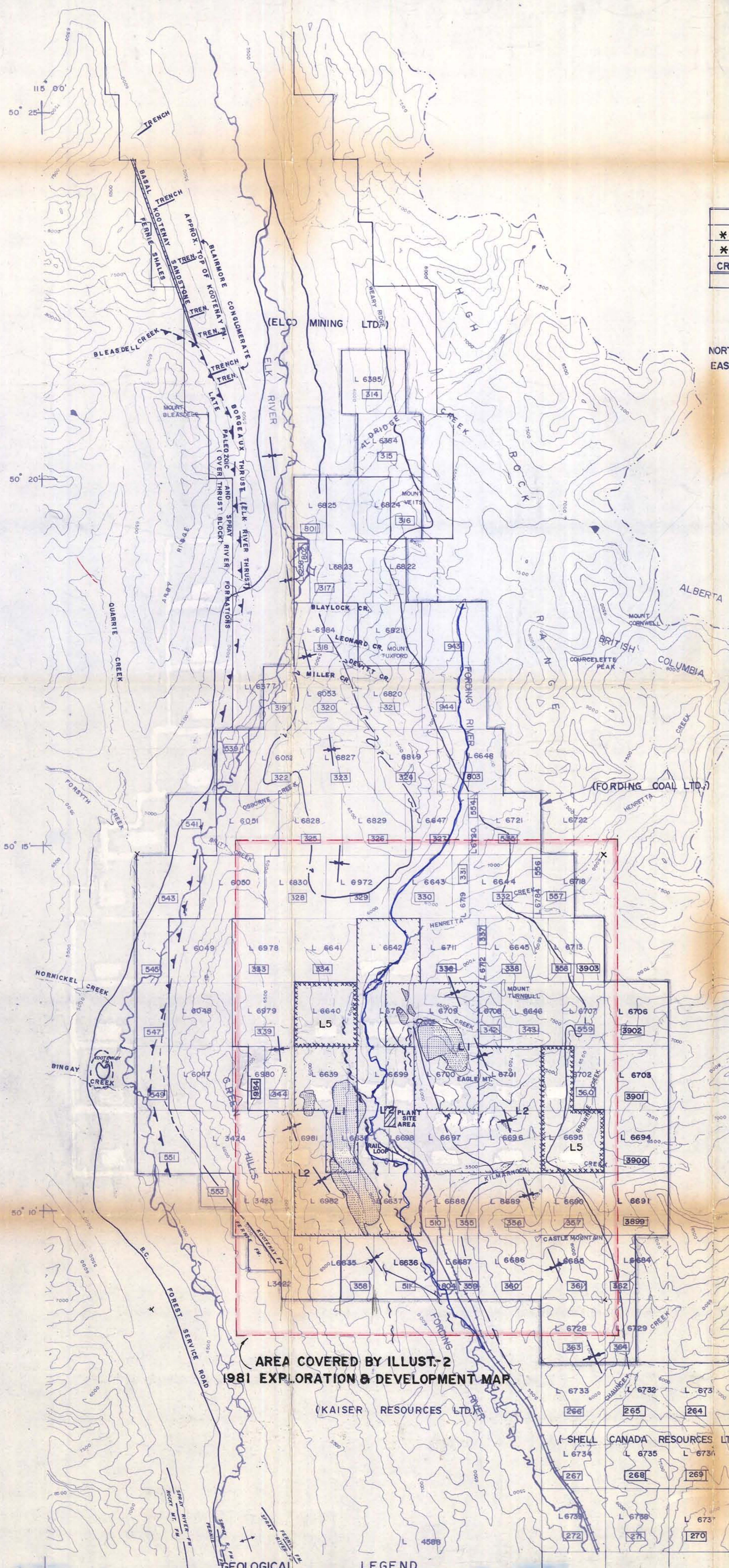
**00 326**

LIST OF ILLUSTRATIONS

ILLUSTRATION NO.

DESCRIPTION

- | <u>ILLUSTRATION NO.</u> | <u>DESCRIPTION</u>   |
|-------------------------|--|
| 1 ✓                     | Index Map - General Geology and Coal Properties<br>Map. Scale - 1:50,000 |
| 2 ✓                     | 1981 Exploration and Development Program<br>Scale - 1:10,000             |
| 3                       | a) ✓ Eagle Mountain Area Program<br>Scale - 1:2,000                      |
|                         | b) ✓ Geological Cross Section 150,400N<br>Scale - 1:2,000                |
| 4                       | a) ✓ Southwest Eagle Mountain: #4 Seam Area Program<br>Scale - 1:2,000   |
|                         | b) ✓ Geological Cross Section 148,300N.<br>Scale - 1:2,000               |
| 5                       | a) ✓ Clode Creek Area Program<br>Scale - 1:2,000                         |
|                         | b) ✓ Geological Cross Section 151,200N<br>Scale - 1:2,000                |
| 6                       | a) ✓ Turnbull Mountain Area Program<br>Scale - 1:1,000                   |
|                         | b) ✓ Geological Cross Section 151,900N<br>Scale - 1:1,000                |
| 7                       | a) ✓ South Greenhills Boundary Area Program<br>Scale - 1:2,000           |
|                         | b) ✓ Geological Cross Section 144,400N<br>Scale - 1:2,000                |
| 8                       | a) ✓ South Lake Mountain Area Program<br>Scale - 1:2,000                 |
|                         | b) ✓ Geological Cross Section 150,900N<br>Scale - 1:2,000                |
| 9                       | a) ✓ North Greenhills "L" & "M" Seam Area Program<br>Scale-1:2,000       |
|                         | b) ✓ Geological Cross Section 151,900N<br>Scale - 1:2,000                |



LAND TENURE

	NO.	AREA - ACRES	AREA - HECTARES
* LICENSES	67	31 529	12 765
* LEASES	3	9 638	3 902
CROWN GRANTS	15	7 333	2 968
TOTAL		48 500	19 635

APPROXIMATE MAXIMUM PROPERTY DIMENSIONS

NORTH-SOUTH	15.9	MILES ; 25.5	KILOMETERS
EAST-WEST	8.4	MILES ; 13.5	KILOMETERS

\* COAL LICENSES No. 340, 348, 353  
 CONVERTED TO LEASE 5 on MARCH 17<sup>th</sup>, 1982

LEGEND

COAL LEASES (NOS. OWNERSHIP)

L 1 FORDING COAL LTD.

COAL LICENSES (NOS. OWNERSHIP)

346 FORDING COAL LTD.

547 COMINCO LTD.

CROWN GRANTS (LOT NOS. OWNERSHIP)

L 6048 COMINCO LTD.

MINING AREAS

RAILROAD

EXISTING HIGHWAYS

AREA COVERED BY ILLUSTRATION 2  
 1981 EXPLORATION & DEVELOPMENT MAP

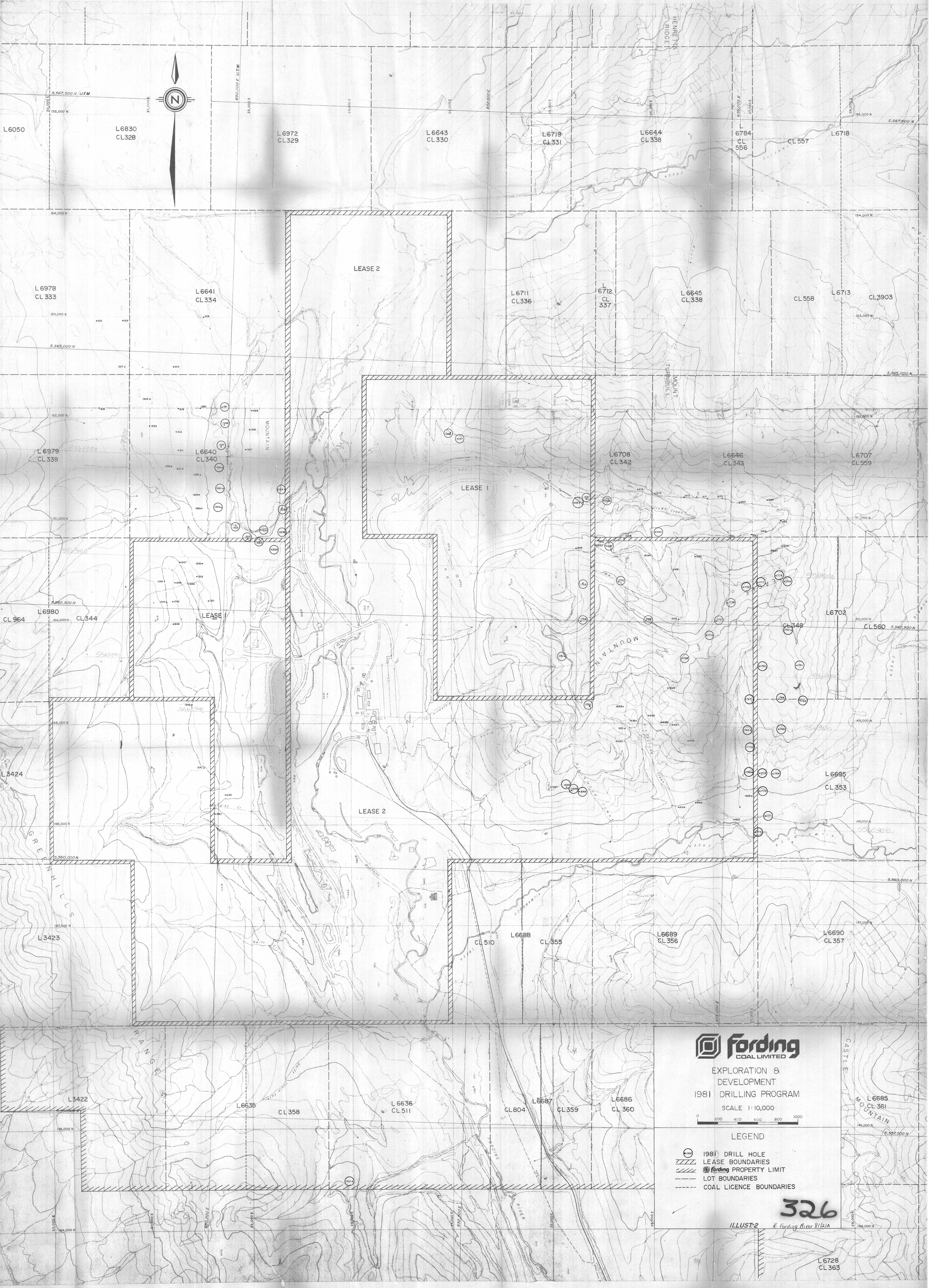
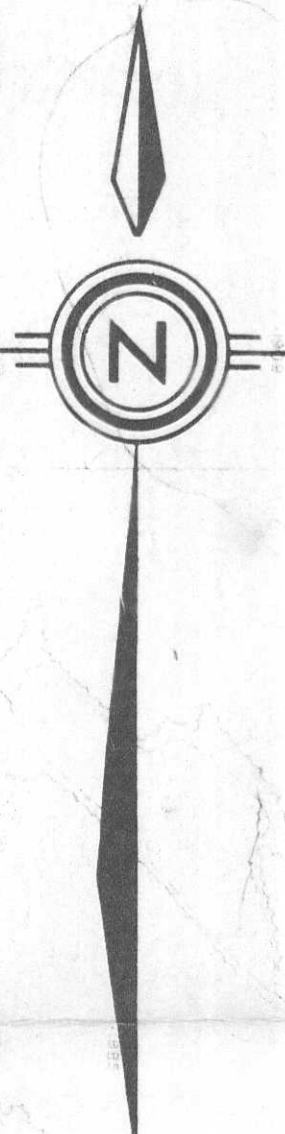
GEOLOGICAL LEGEND

- BLAIRMORE FORMATION (CONGLOMERATE)
- KOOTENAY FORMATION (BASAL SANDSTONE)
- FERNE FORMATION (SHALE)
- SPRAY RIVER FORMATION (PLATY SILTSTONE, SILTY SHALE)
- ROCKY MOUNTAIN FORMATION (SILTY DOL., DOLOMITIC SS., QTZITE)
- RUNDLE FORMATION (LIMESTONE)

- CONTACT - KNOWN, ASSUMED
- FAULTS - NORMAL, THRUST
- SYNCLINAL AXIS
- ANTICLINAL AXIS

326 ILLUSTRATION 1 (1981)  
 INDEX MAP H-Fording River 81(2)A

FORDING RIVER OPERATIONS		GENERAL GEOLOGY & COAL PROPERTIES	
RK	RK	FORDING COAL LIMITED	
RK	RK	Scale : 50,000 DATE OCT. 7 '1975	
RK	RK	Scale : 500 1000 1500 2000 2500	



**Fording**  
COAL LIMITED

EXPLORATION &  
DEVELOPMENT  
1981 DRILLING PROGRAM

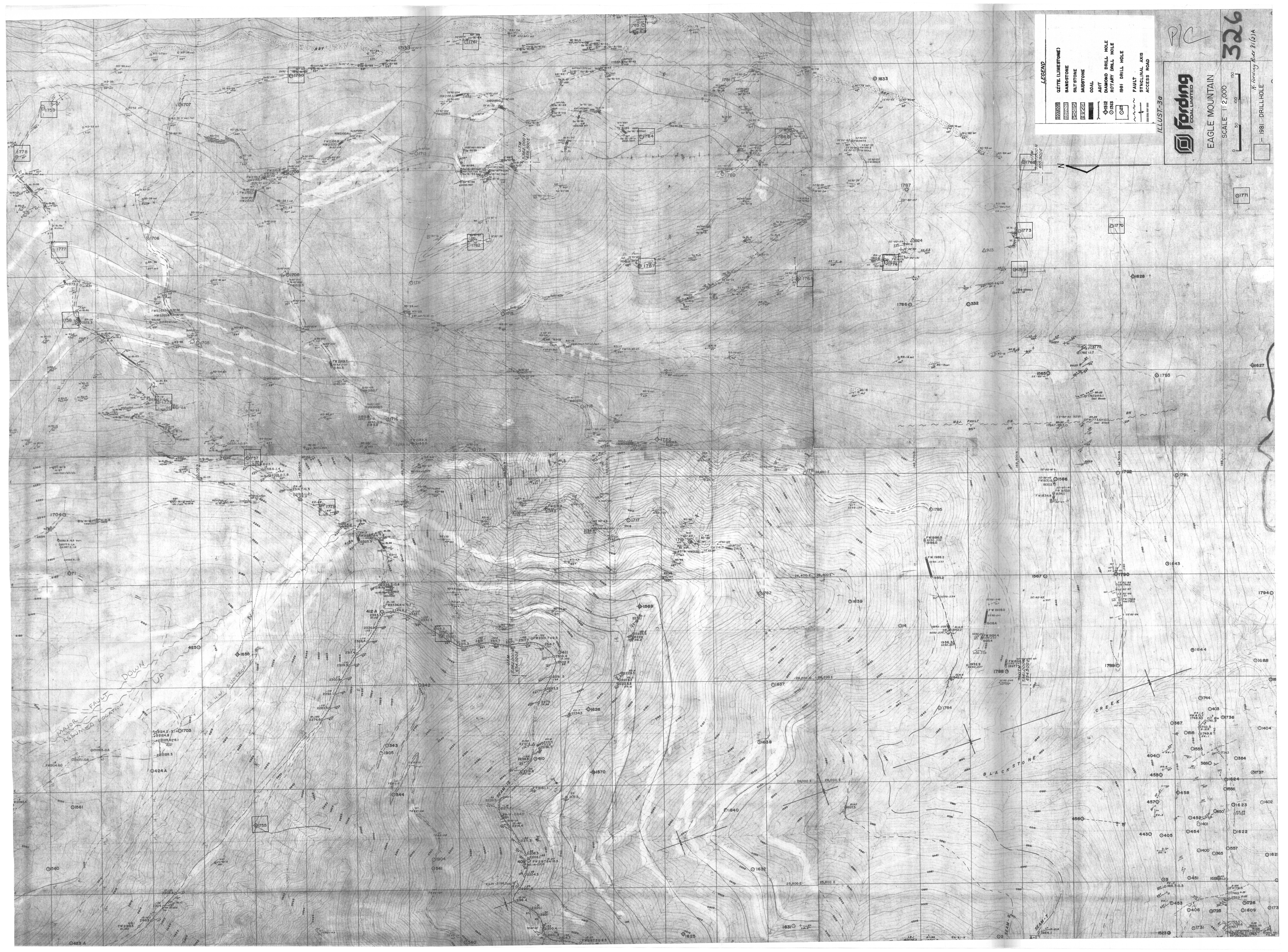
SCALE 1:10,000

- LEGEND
- 1981 DRILL HOLE
  - LEASE BOUNDARIES
  - Fording PROPERTY LIMIT
  - LOT BOUNDARIES
  - COAL LICENCE BOUNDARIES

**326**

ILLUST-2 K. Fording River 8/10/11

L6728  
CL363



**LEGEND**

- ZITE (LIMESTONE)
- ▨SANDSTONE
- ▨SILTSTONE
- ▨MARBLE
- ▨COAL
- ◆DIAMOND DRILL HOLE
- ROTARY DRILL HOLE
- BBI DRILL HOLE
- FAULT
- SYNCLINAL AXIS
- ACCESS ROAD

**Fordong**  
COAL LIMITED

**EAGLE MOUNTAIN**

SCALE 1:2,000

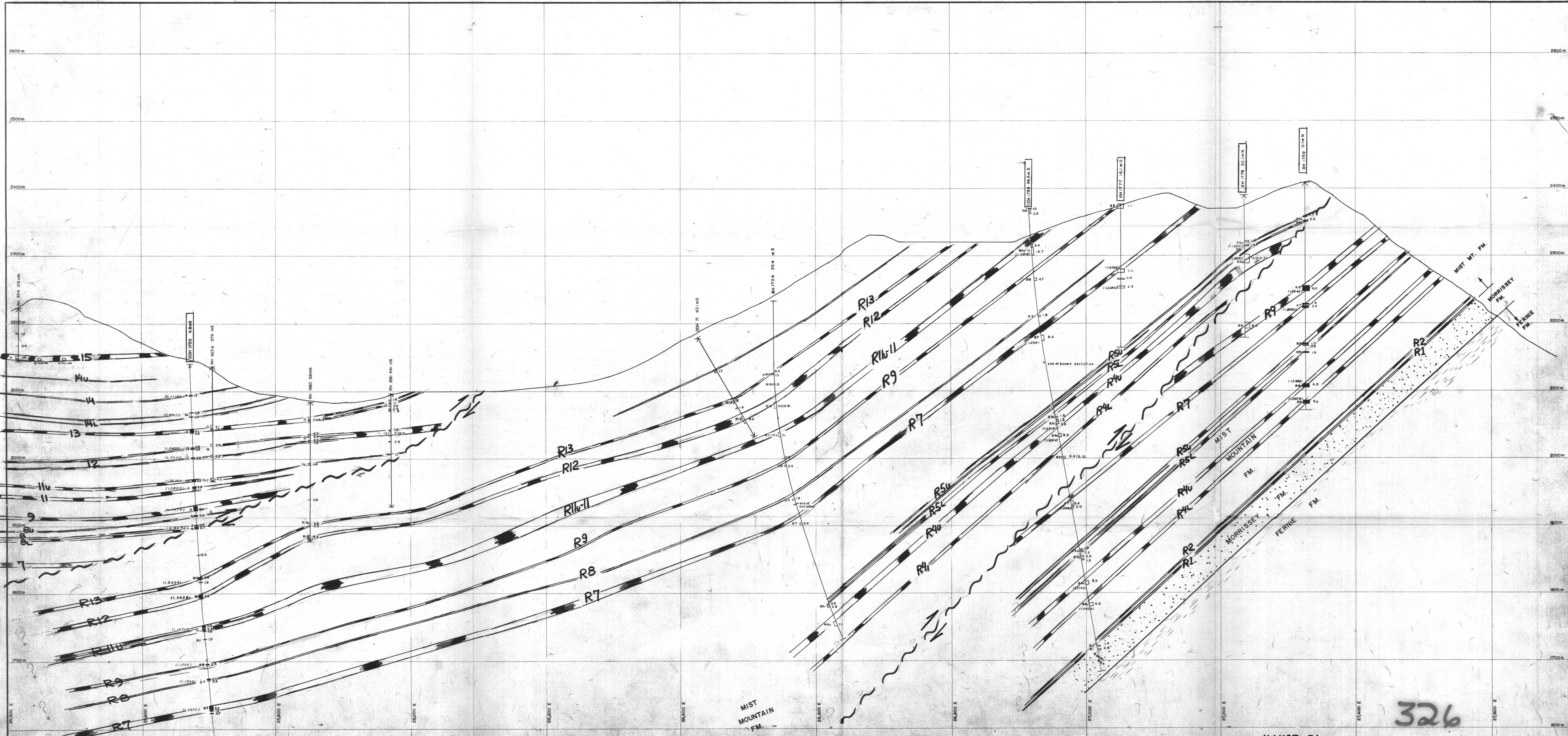
1981 - DRILL HOLE

326

PIC

MAJOR FAULT  
DOWN  
UP

BLACKSTONE  
CREEK



326

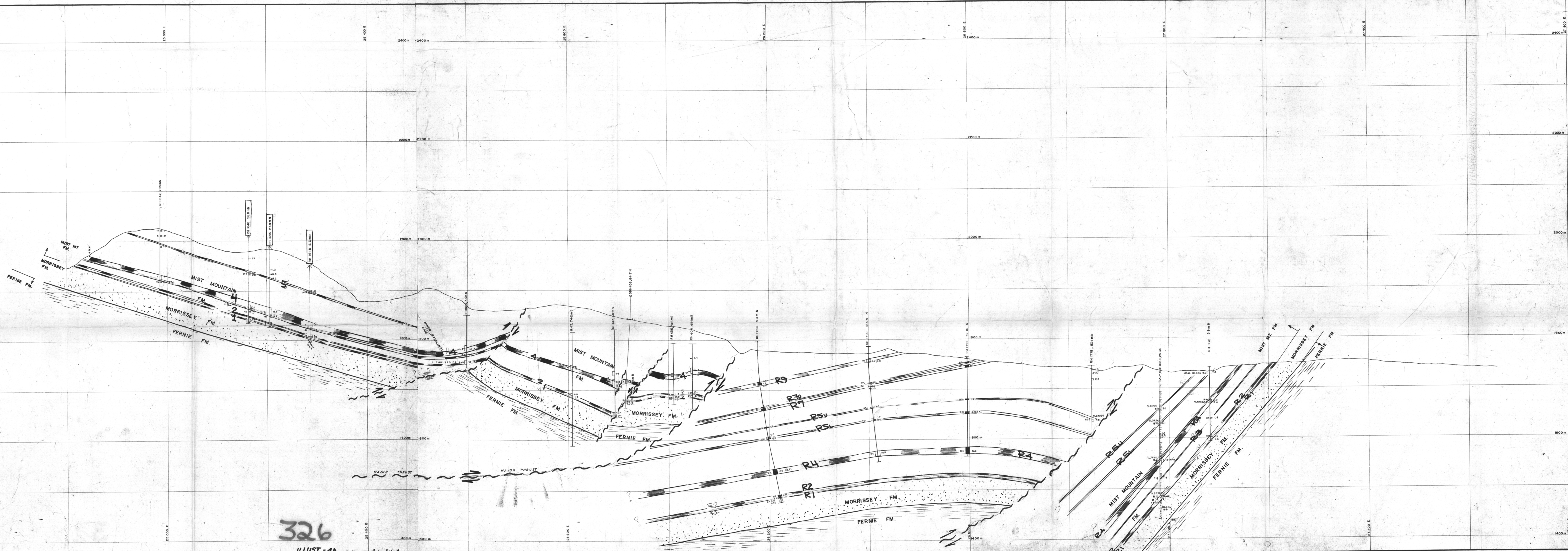
ILLUST.-3b

K-Fordcing River 81(2)A

	GEOLOGICAL SECTION - 150,400 N		METRIC SCALE 1:2000		<table border="1"> <tr> <th>NO.</th> <th>MADE BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	MADE BY	DATE	DESCRIPTION					<table border="1"> <tr> <th>NO.</th> <th>MADE BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	MADE BY	DATE	DESCRIPTION					<table border="1"> <tr> <td>1</td> <td>DEM</td> <td>DEC 81</td> <td>geol. update</td> <td rowspan="3">         DRAWN BY J. DATE          SS. SEPT 81          DE. FEB 82       </td> <td rowspan="3">         Fordings River          Operations       </td> <td rowspan="3"> </td> </tr> <tr> <td>2</td> <td>DEM</td> <td>JAN/FEB 82</td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	1	DEM	DEC 81	geol. update	DRAWN BY J. DATE SS. SEPT 81 DE. FEB 82	Fordings River Operations		2	DEM	JAN/FEB 82						GEOLOGICAL SECTION - 150,400 N EAGLE MTN. EAST FACE	METRIC SCALE 1:2000 	- 1981 DRILL HOLE
	NO.	MADE BY				DATE	DESCRIPTION																																		
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1	DEM	DEC 81	geol. update	DRAWN BY J. DATE SS. SEPT 81 DE. FEB 82	Fordings River Operations																																				
2	DEM	JAN/FEB 82																																							

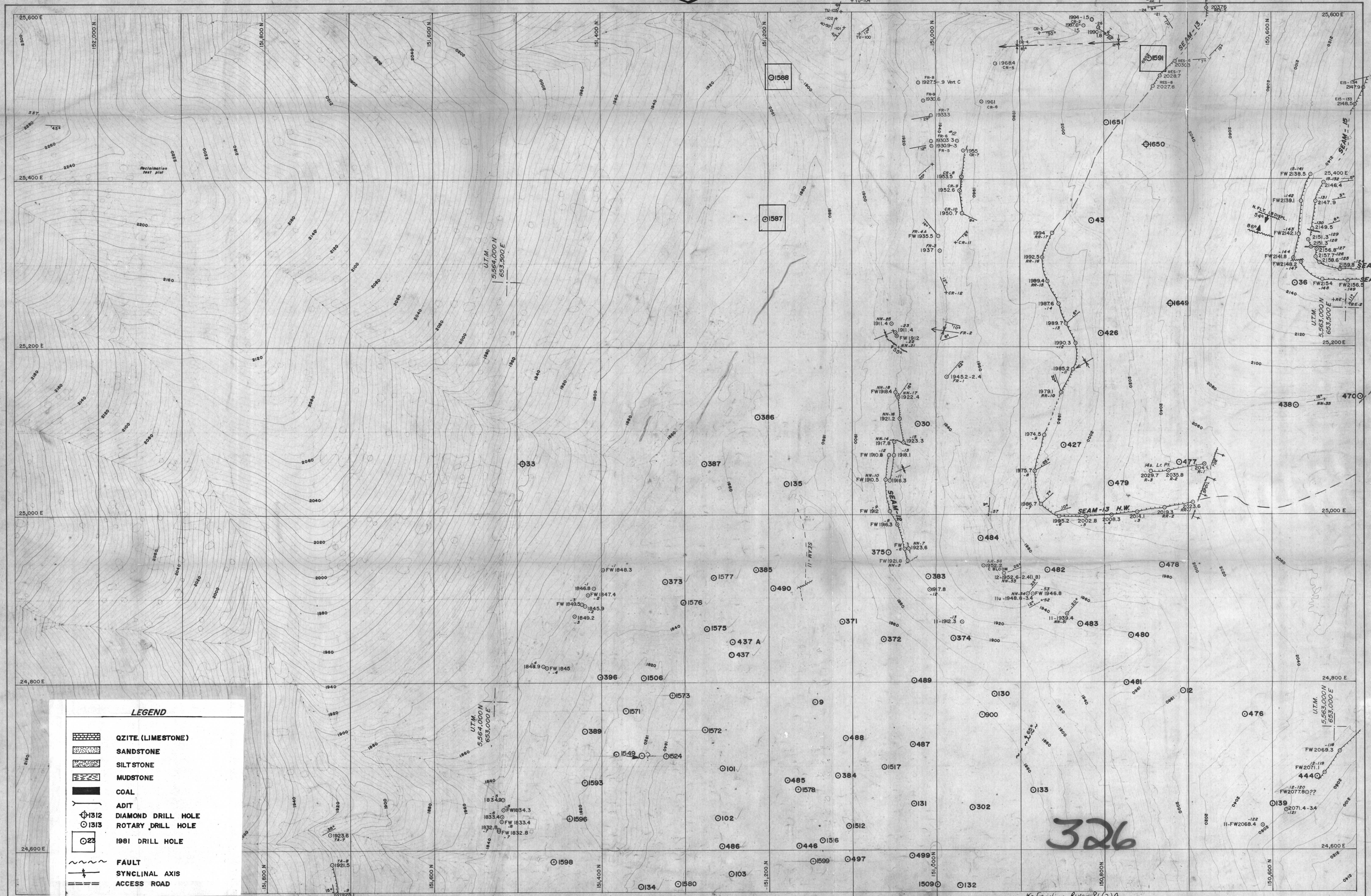
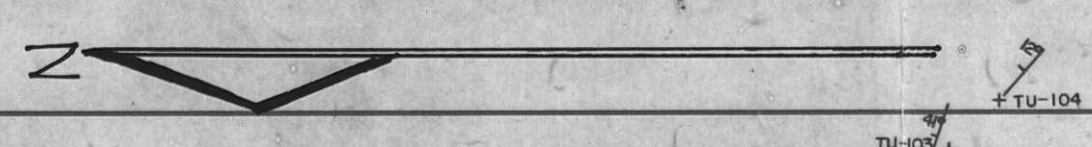






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ILLUST - 4b K-Fording River 81(2)A



**LEGEND**

- QZITE (LIMESTONE)
- SANDSTONE
- SILTSTONE
- MUDSTONE
- COAL
- ADIT
- DIAMOND DRILL HOLE
- ROTARY DRILL HOLE
- 1981 DRILL HOLE
- FAULT
- SYNCLINAL AXIS
- ACCESS ROAD

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K-Fording River 81(2)A

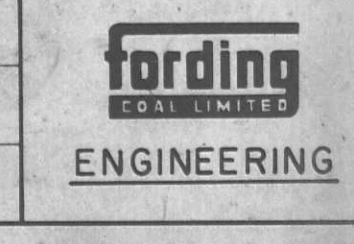
Job No. 06333-4 Date Plotted August 1 1977  
 McELHANNAY SURVEYING & ENGINEERING LTD.  
 1:2,000 N 21

Metric Sheet Index	Function
P-20 P-21 N-20 N-22	Activity
B-D M-21 M-22	Section
	Job

Revisions	No.	Made by	Date	Description

Drawn by DJB DM OCT '79 JAN '79  
 Checked by  
 Design Eng.  
 Proj. Eng. Approved

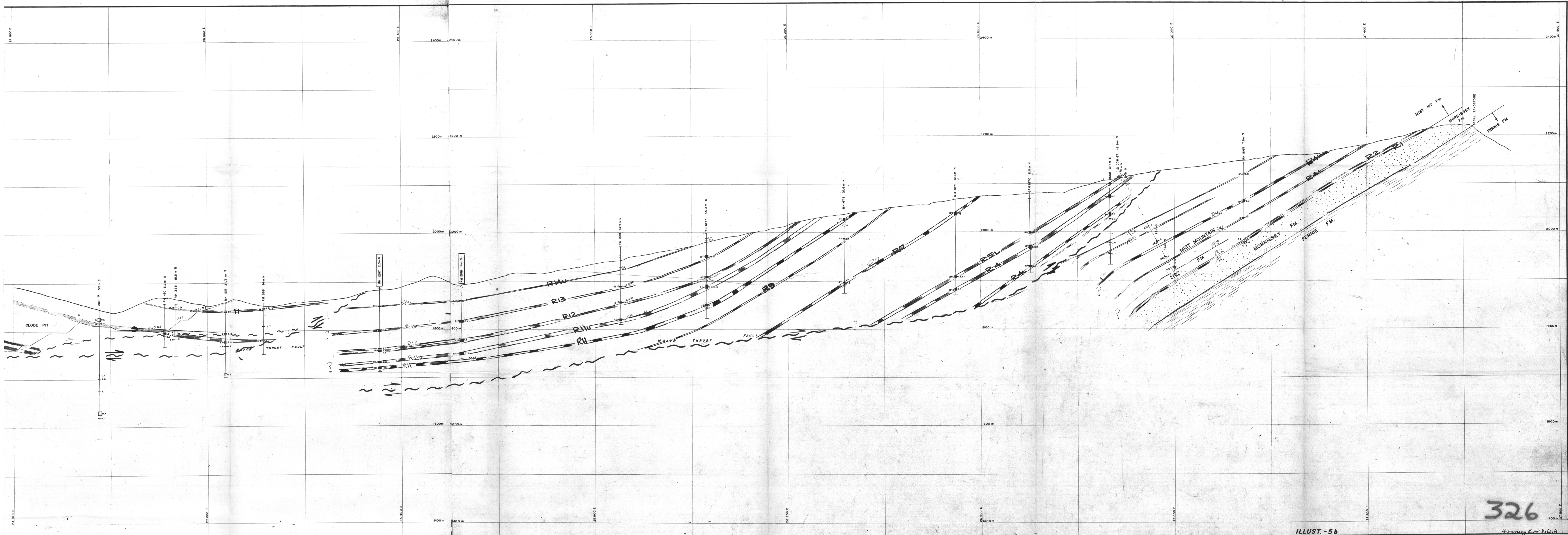
ILLUST-5a  
 CLODE PIT AREA - CLODE CREEK  
 GEOLOGY - DRILL HOLES / SEAM OUTCROP



Metric Scale 1:2,000  
 0 20 40 60 80 100  
 1981 DRILLHOLE

N21

Co-ordinates and Elevations on this Map are in Metres



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ILLUST.-5b

Fording River 8/62A

Fording River Operations  
 CHKD JY

GEOLOGICAL SECTION - 151 200 N  
 EAGLE MT. W. FACE AREA

METRIC SCALE 1:2000

Fording COAL LIMITED  
 GEOLOGICAL SECTION - 151 200 N  
 EAGLE MT. E. LIMB AREA

METRIC SCALE 1:2000

NO.	MADE BY	DATE	DESCRIPTION

NO.	MADE BY	DATE	DESCRIPTION
1	DM	FEB '81	geol.upd
2	DEM	DEC '81	"
3	DEM	JAN '82	"

Fording River Operations  
 CHKD JY

GEOLOGICAL SECTION - 151 200 N  
 EAGLE MT. E. LIMB AREA

METRIC SCALE 1:2000  
 -1981 DRILL HOLE

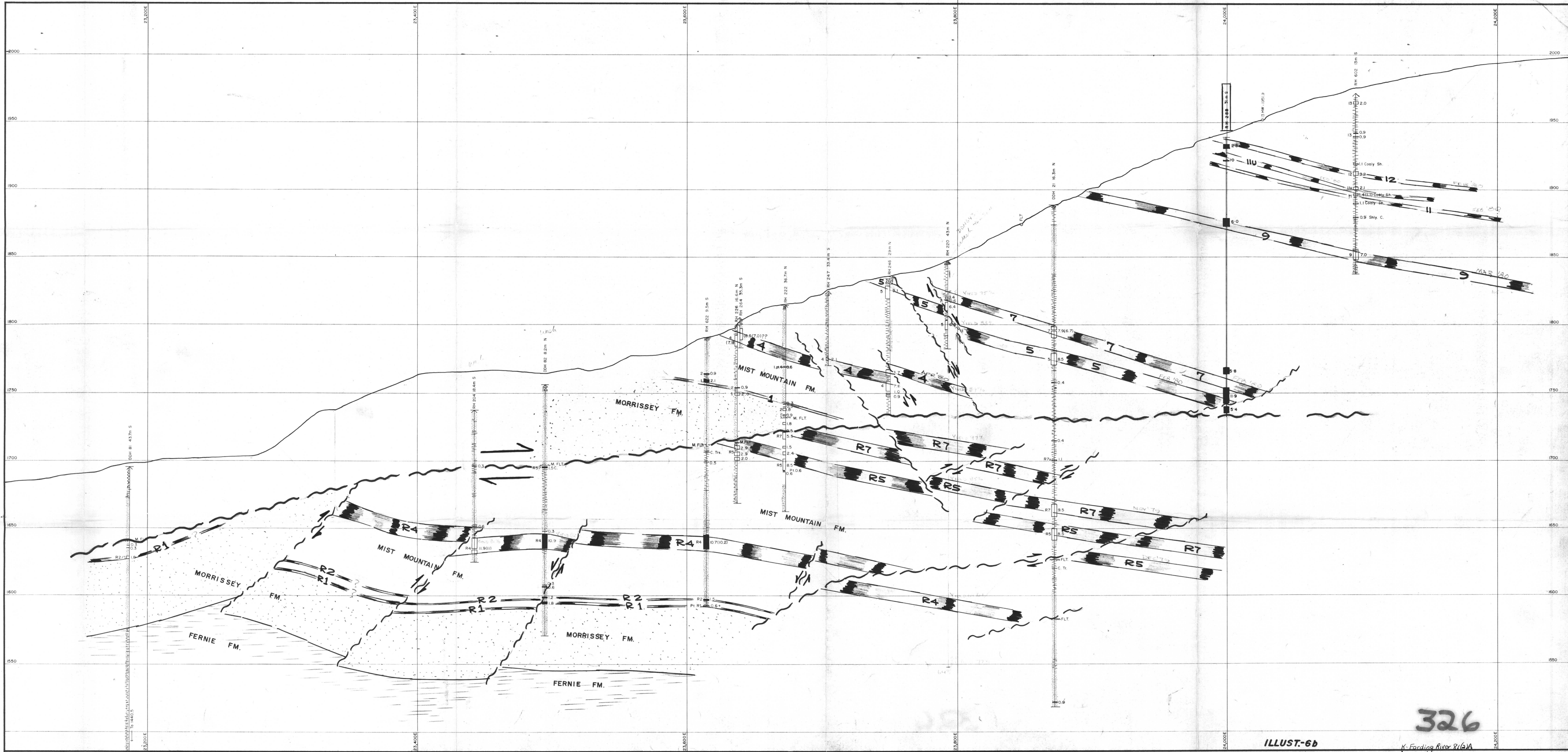


**LEGEND**

- QZITE. (LIMESTONE)
- SANDSTONE
- SILTSTONE
- MUDSTONE
- COAL
- ADIT
- DIAMOND DRILL HOLE
- ROTARY DRILL HOLE
- 1981 DRILL HOLE
- FAULT
- SYNCLINAL AXIS
- ACCESS ROAD

Job No. 06333-3 Date Flown: August 1977				Metric Sheet Index		Function		Drawn by RK		OCT '79		ILLUST. 6a		Metric Scale 1:1,000															
MELHANNY SURVEYING & ENGINEERING LTD.				<table border="1"> <tr><td>N-20</td><td>N-21</td><td>B-1</td><td>B-2</td></tr> <tr><td>M-20</td><td>M-21</td><td>M-22</td><td>A-C</td></tr> <tr><td>B-1</td><td>L-21</td><td>L-22</td><td>A-C</td></tr> </table>		N-20	N-21	B-1	B-2	M-20	M-21	M-22	A-C	B-1	L-21	L-22	A-C	Activity		Checked by		Design Eng.		Proj. Eng.		TURNBULL M.T.N.		ENGINEERING	
N-20	N-21	B-1	B-2																										
M-20	M-21	M-22	A-C																										
B-1	L-21	L-22	A-C																										
1:1,000 M 21 B				Section		Approved		No.		Made by		Date		Description															
				O288										GENERAL GEOLOGY															

- 1981 DRILLHOLE

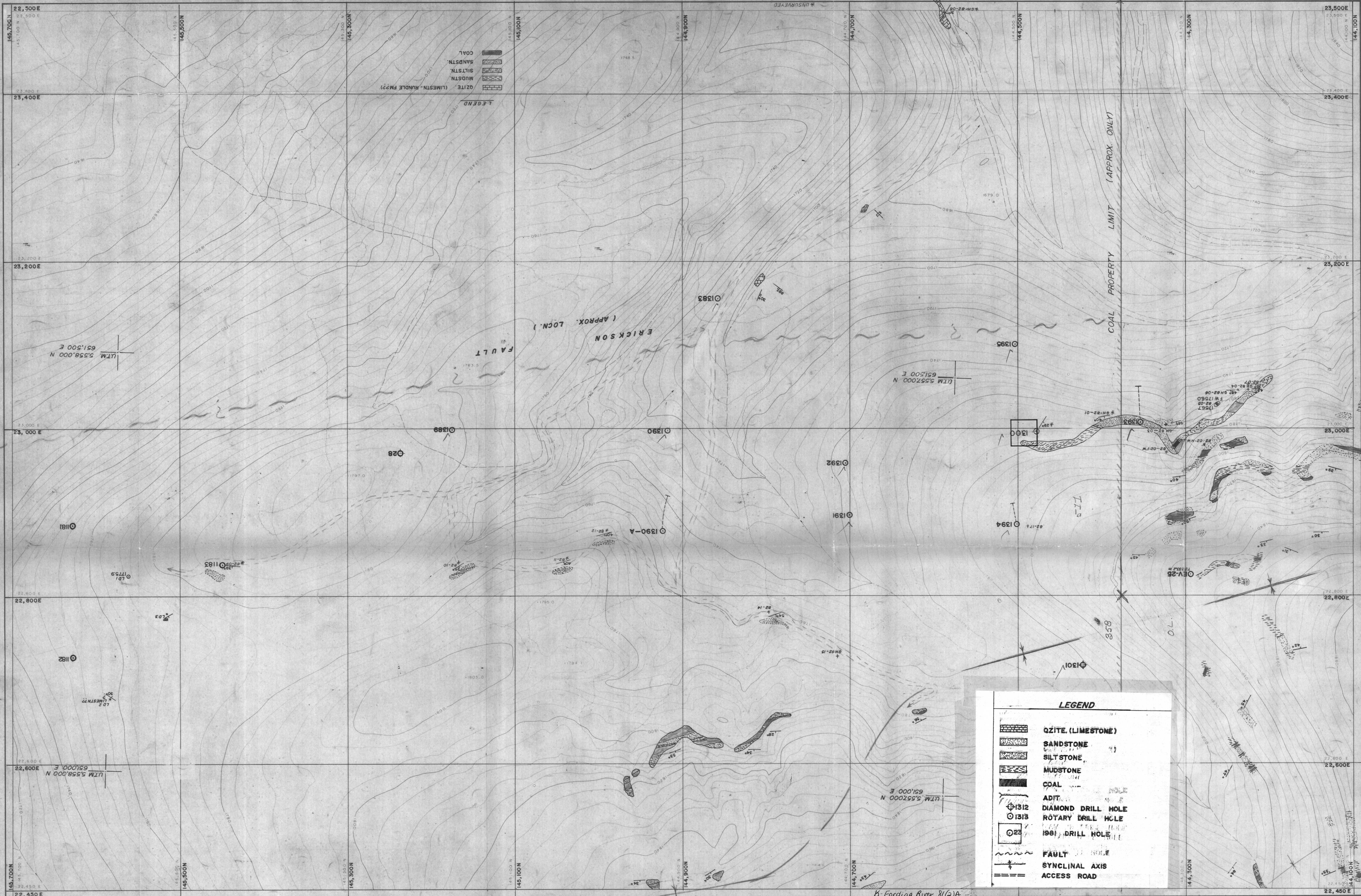


326

ILLUST-66

K-Fording River 8/19/81

	GEOLOGICAL SECTION - 151,900 N. TURNBULL	METRIC SCALE 1:1000		<table border="1"> <tr> <th>NO.</th> <th>MADE BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	MADE BY	DATE	DESCRIPTION					<table border="1"> <tr> <th>NO.</th> <th>MADE BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	MADE BY	DATE	DESCRIPTION					<table border="1"> <tr> <th>NO.</th> <th>MADE BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	MADE BY	DATE	DESCRIPTION					DRAWN BY / DATE Fording River Operations		GEOLOGICAL SECTION - 151,900 N. TURNBULL, MTN.	METRIC SCALE 1:1000 	- 1981 DRILL HOLE
	NO.	MADE BY	DATE	DESCRIPTION																															
NO.	MADE BY	DATE	DESCRIPTION																																
NO.	MADE BY	DATE	DESCRIPTION																																



**LEGEND**

[Symbol]	QZITE (LIMESTONE)
[Symbol]	SANDSTONE
[Symbol]	SILTSTONE
[Symbol]	MUDSTONE
[Symbol]	COAL
[Symbol]	ADIT
⊙ 1312	DIAMOND DRILL HOLE
⊙ 1313	ROTARY DRILL HOLE
⊙ 1981	DRILL HOLE
[Symbol]	FAULT
[Symbol]	SYNCLINAL AXIS
[Symbol]	ACCESS ROAD

Job No. O6333-4 Date Plwn - August 1977  
 McELHANEY SURVEYING & ENGINEERING LTD.

Metric Sheet Index	Function	
M-24 M-25 B13	Activity	
L-24 L-25 L-26	Section	
B13 K-25 K-26	Job	
A13		

Revisions	No.	Made by	Date	Description

Drawn by **RK** JAN '80  
 Checked by  
 Design Eng.  
 Proj. Eng. Approved

*H. Fording River 81(2)A*  
**SOUTH GREENHILLS**  
**BOUNDARY AREA**  
 ILLUSTR. - 7a

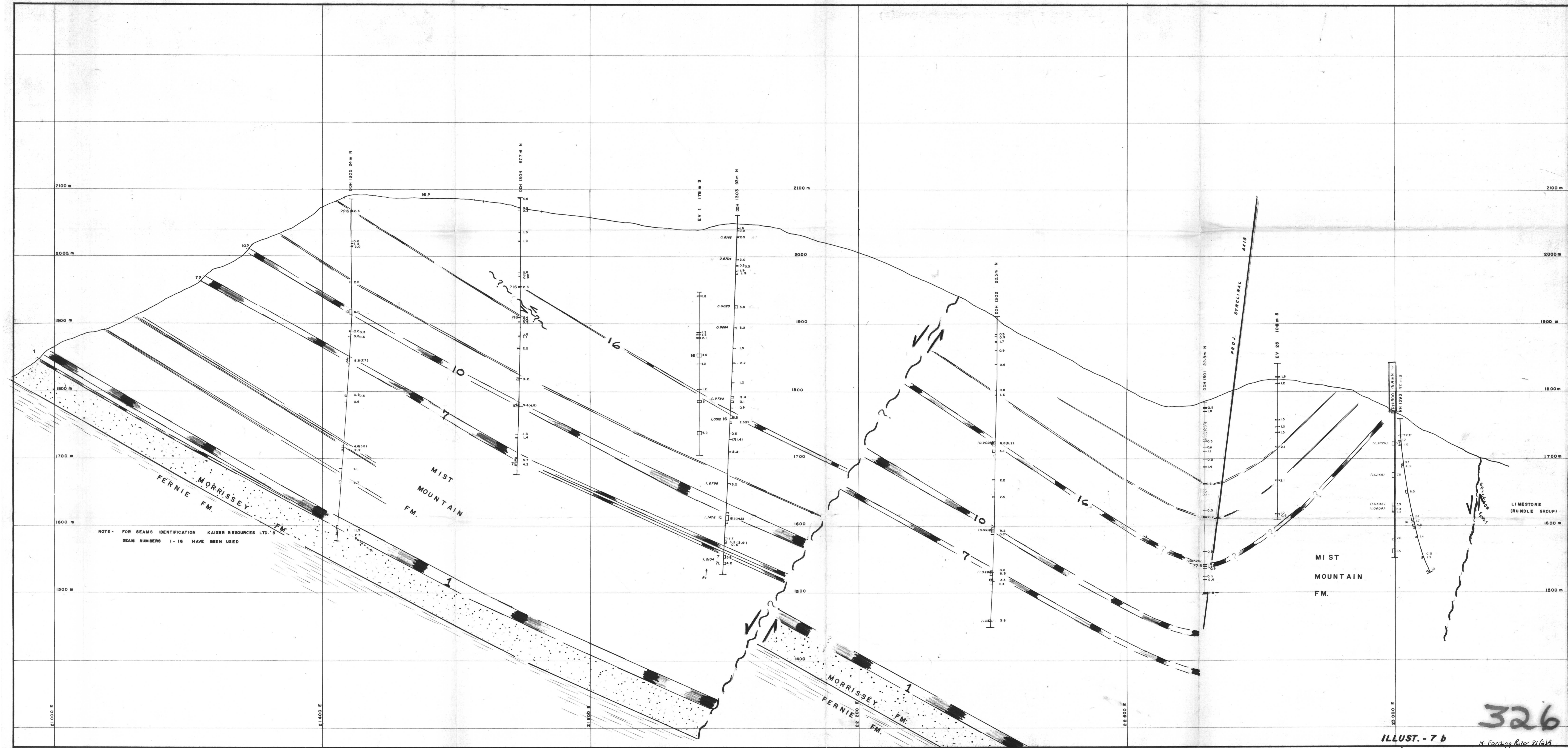
326



Metric Scale 1:2,000  
**L 25**

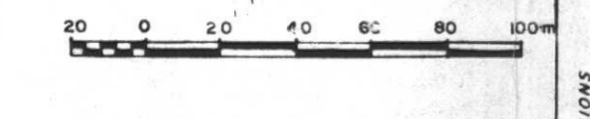
□ - 1981 DRILL HOLE

Co-ordinates and Elevations on this Map are in Metres



GEOLOGICAL SECTION - 144 400 N

METRIC SCALE  
1:2 000



NO.	MADE BY	DATE	DESCRIPTION

NO.	MADE BY	DATE	DESCRIPTION

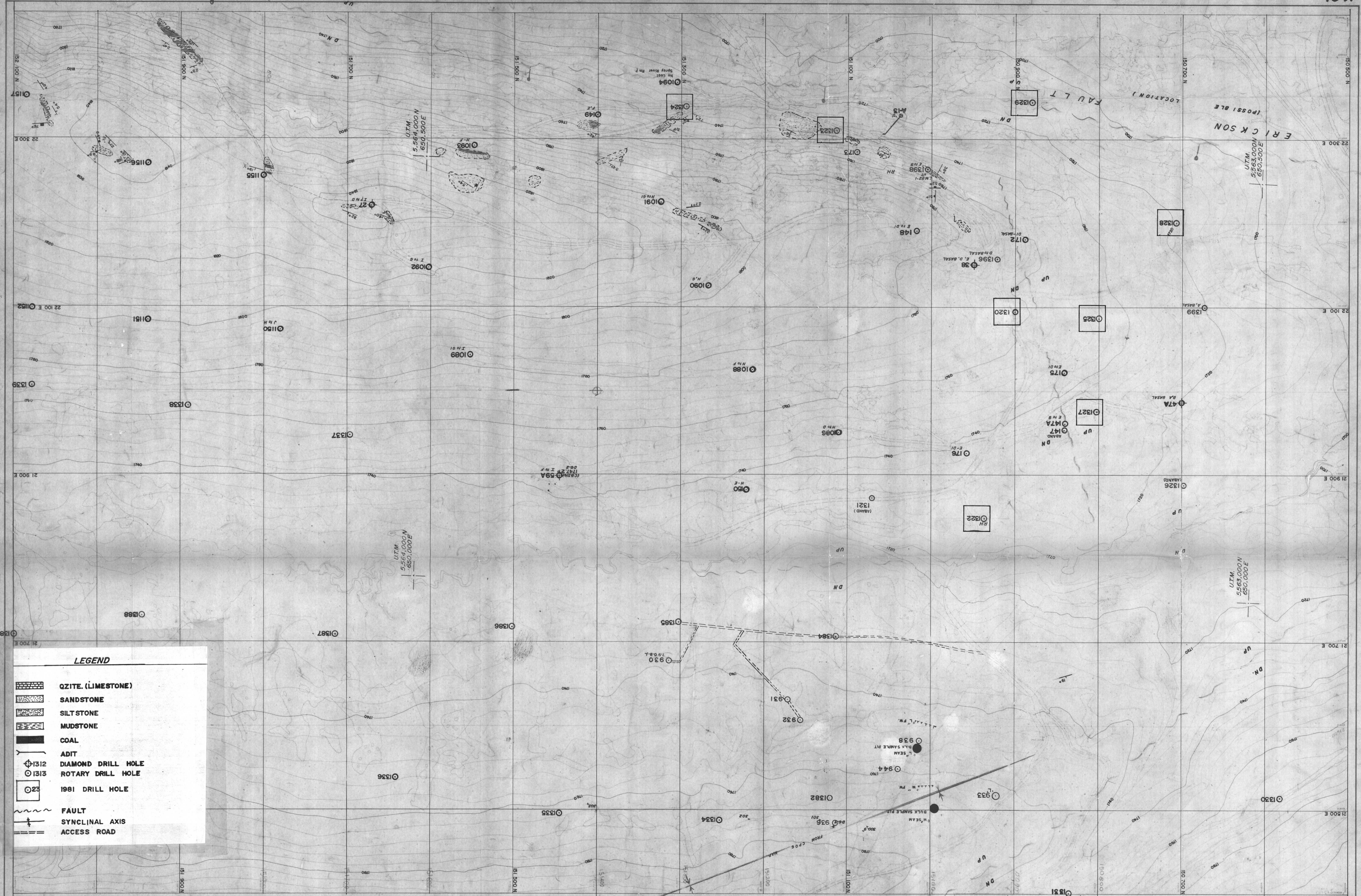
Fording River Operations



GEOLOGICAL SECTION - 144 400 N  
GREENHILLS SOUTHERN BOUNDARY AREA

METRIC SCALE  
1:2 000

1981 DRILL HOLE



**LEGEND**

- QZITE (LIMESTONE)
- SANDSTONE
- SILTSTONE
- MUDSTONE
- COAL
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- DIAMOND DRILL HOLE
- ROTARY DRILL HOLE
- 1981 DRILL HOLE
- FAULT
- SYNCLINAL AXIS
- ACCESS ROAD

Job No. 06333-4 Date Plotted August 1977  
 McELHANNAY SURVEYING & ENGINEERING LTD.

Metric Sheet Index	
L-20	L-21
K-20	K-22
J-21	J-22

Function:	
Activity:	
Section:	
Job:	

Revisions			
No.	Made by	Date	Description

Drawn by:	DM, RK NOV '79
Checked by:	
Design Eng.	
Proj. Eng.	Approved

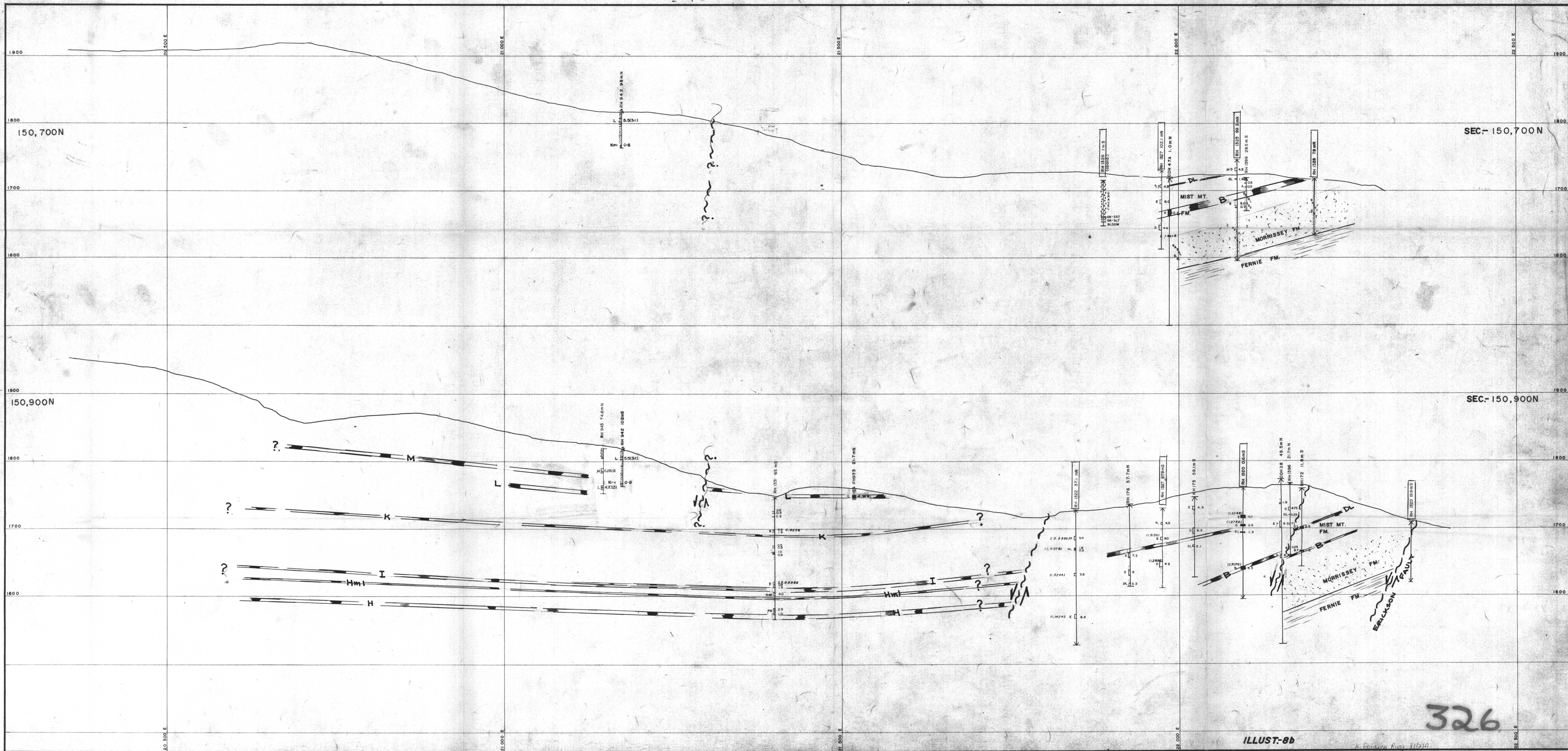
ILLUST - 8a **326**  
 LAKE MT. SOUTH  
 GEOLOGY-DRILL HOLE / SEAM OUTCROP



Metric Scale 1:2,000  
 1981 DRILLHOLE

Co-ordinates and Elevations on this Map are in Metres





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ILLUST-86

H. Fording River 81(6)A



