822

CANADIAN ISLAND CREEK COAL LTD.
Comox Coal Field
TSOLUM RIVER
Preliminary Evaluation

VOLUME III
November, 1980

CONFIDENTIAL

November 14, 1980

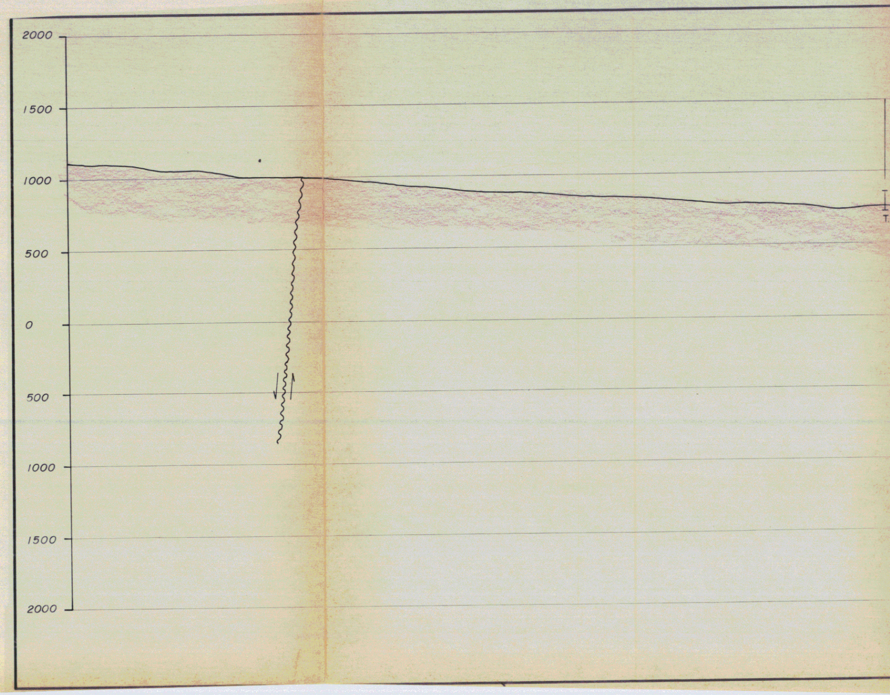
R. A. Swaren, P.Geol.

(Drafting - Lynn McKellar)

COMOX COAL FIELD
Tsolum River
Geological Cross-Sections 1-10

LEGEND

☐	-GLACIAL AND ALLUVIAL DEPOSITS
🟥	-PORPHYRITIC HORNBLENDE DACITE, FINE GRAINED QUARTZ DIORITE, RELATED BRECCIAS
🟦	-HASLAM FORMATION
🟨	-COMOX FORMATION
🟩	-COMOX FORMATION (BOULDER CONGLOMERATE)
🟪	-KARMUTSEN FORMATION
⫽	-FAULT
10° ↳	-DIP, DIP DIRECTION
⑮ ↳	-OUTCROP NUMBER AND DIP DIRECTION FROM FIELD RECONNAISANCE
101 300' South Elev. 350'	-HOLE NUMBER -DISTANCE NORTH OR SOUTH OF THE SECTION -ELEVATION ABOVE SEA LEVEL
5'	-COAL SEAM AND THICKNESS
T.D. 650'	-TOTAL DEPTH OF HOLE
------	-FORMATION CONTACT
OXY | WELDWOOD	-PROPERTY OWNERSHIP BOUNDARY
C X	-COAL OUTCROP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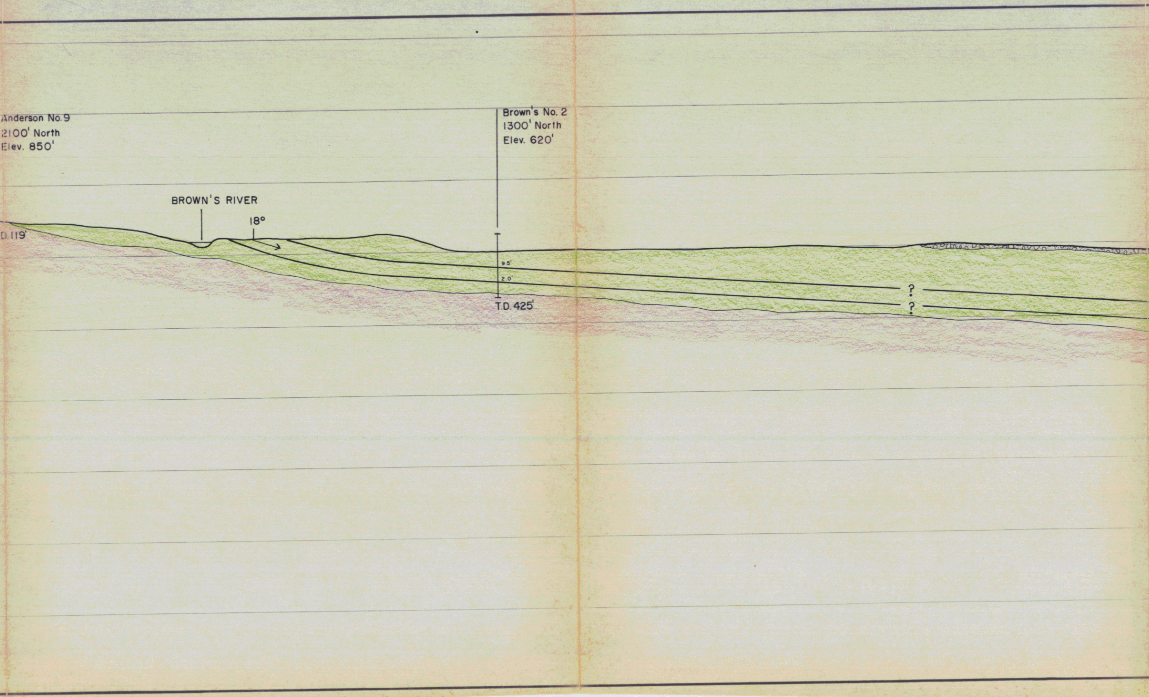
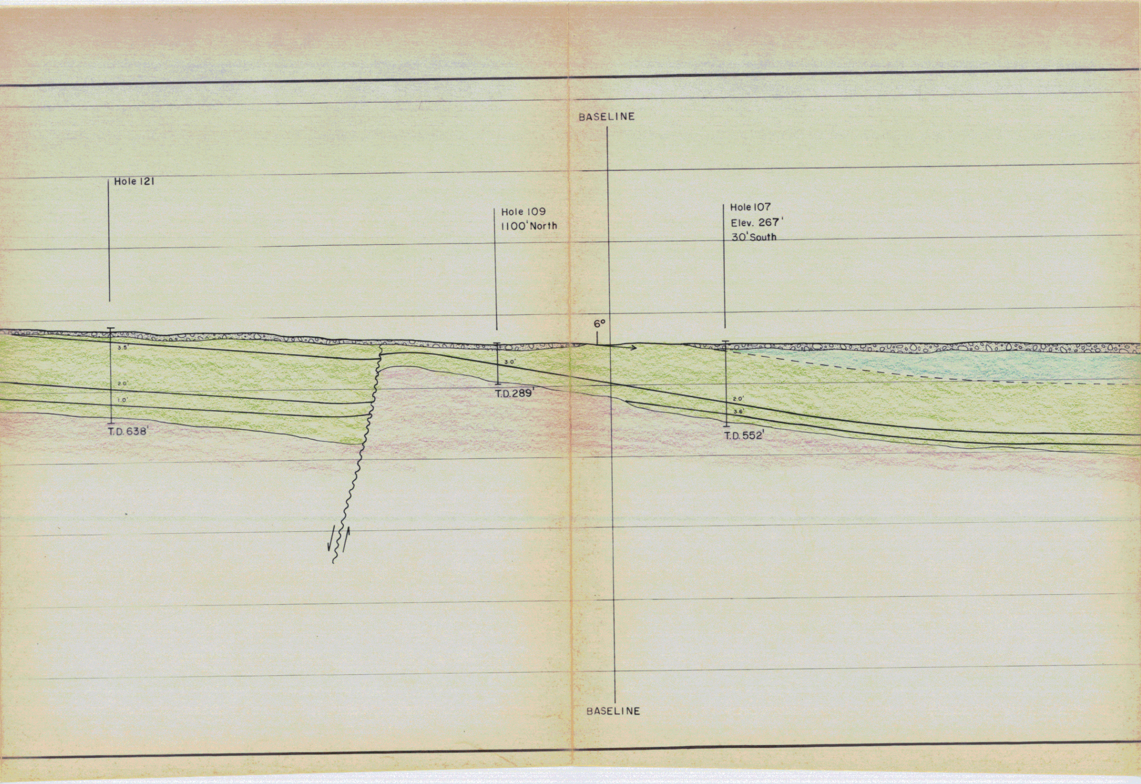
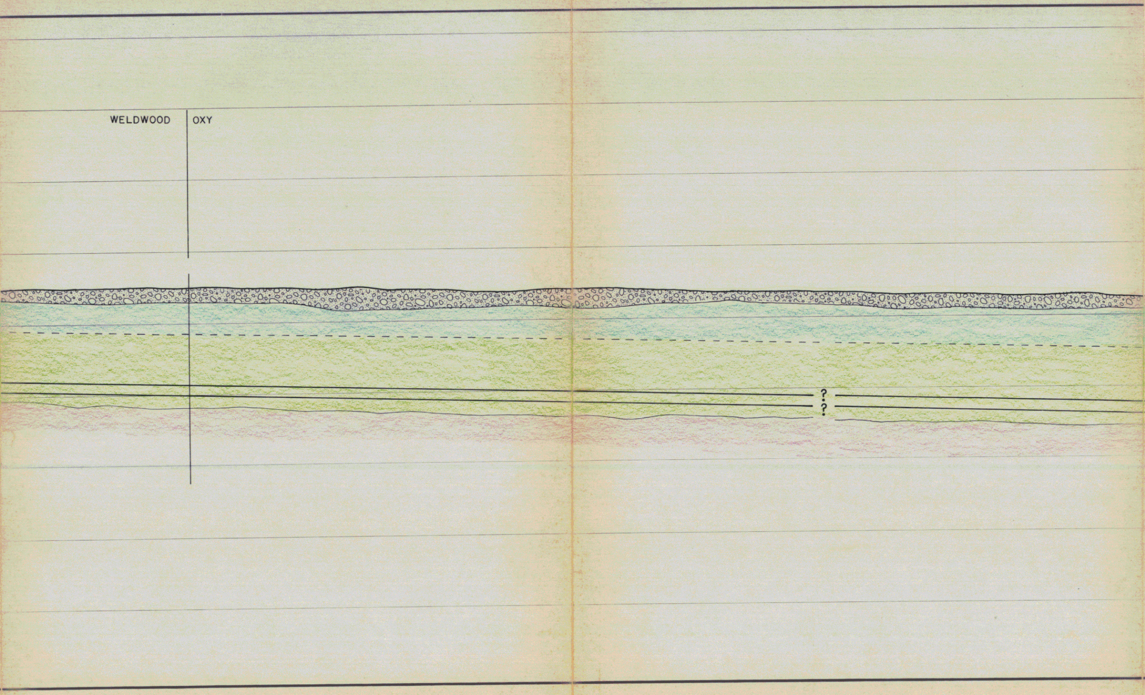
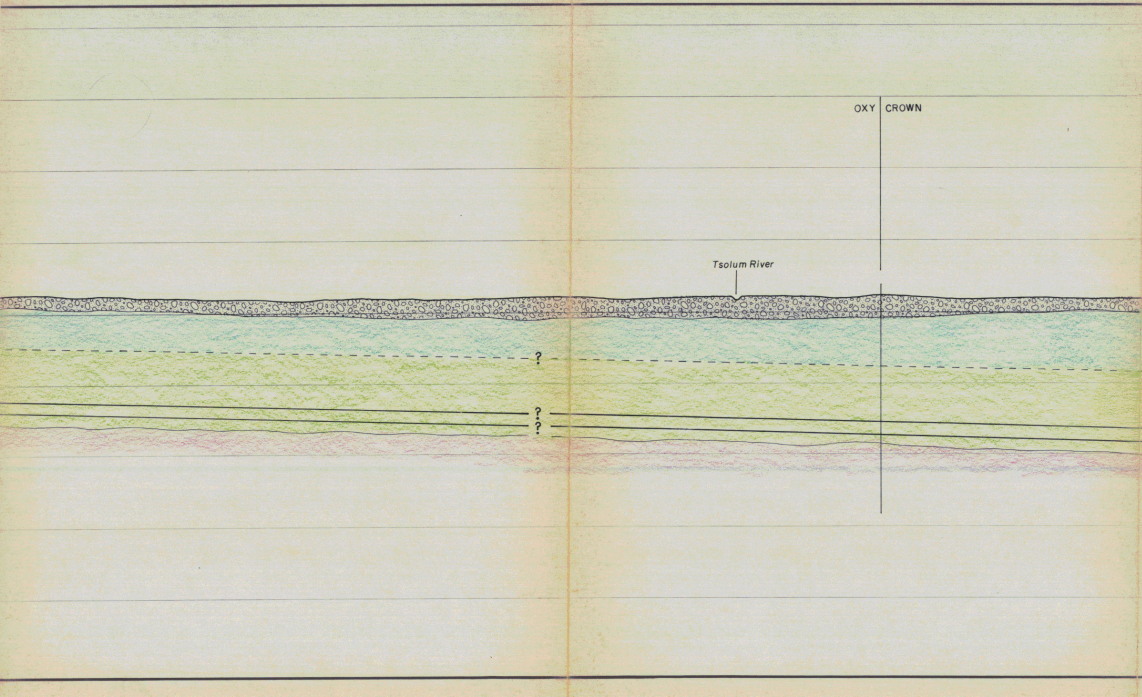
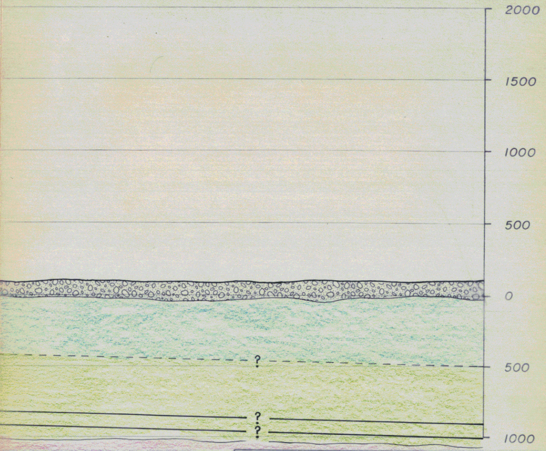
1000
500
0
500
1000
1500
2000


Anderson No. 9
2100' North
Elev. 850'
D. 119'
BROWN'S RIVER
18°
Brown's No. 2
1300' North
Elev. 620'
9.5'
2.0'
T.D. 425'
?
?


BASELINE
Hole 121
Hole 109
1100' North
Hole 107
Elev. 267'
30' South
6°
3.5'
2.0'
1.0'
T.D. 638'
3.0'
T.D. 289'
2.0'
3.6'
T.D. 552'
BASELINE


WELDWOOD
OXY
?
?


OXY
CROWN
Tsolum River
?
?
?


2000
1500
1000
500
0
?
500
?
?
1000
1500
2000

CANADIAN ISLAND CREEK COAL LTD.

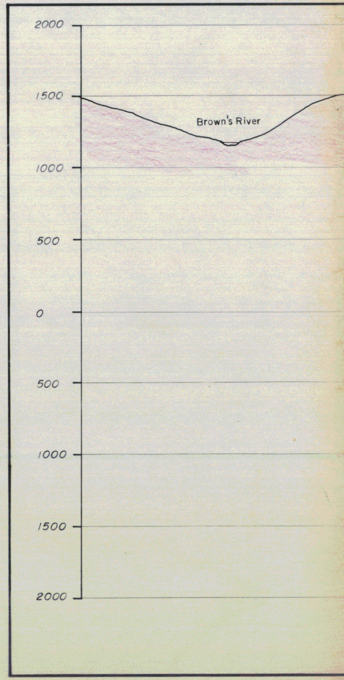
COMOX COAL FIELD

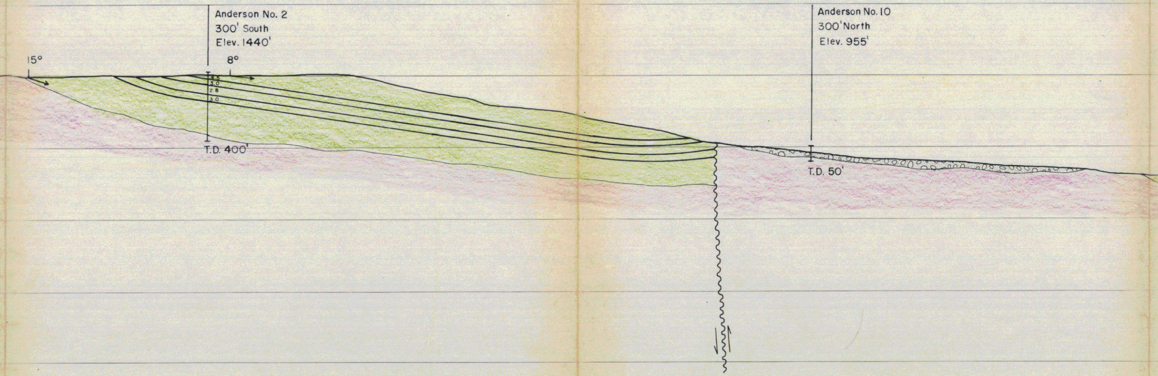
Tsolum River Property

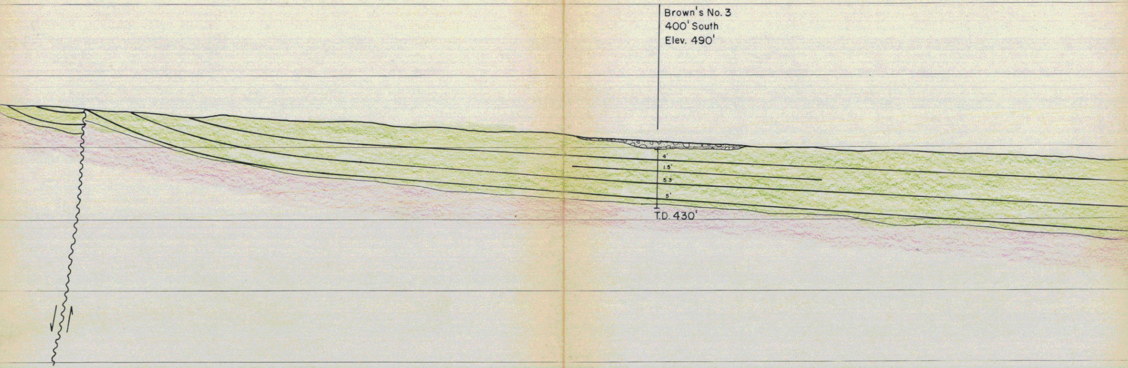
SECTION I

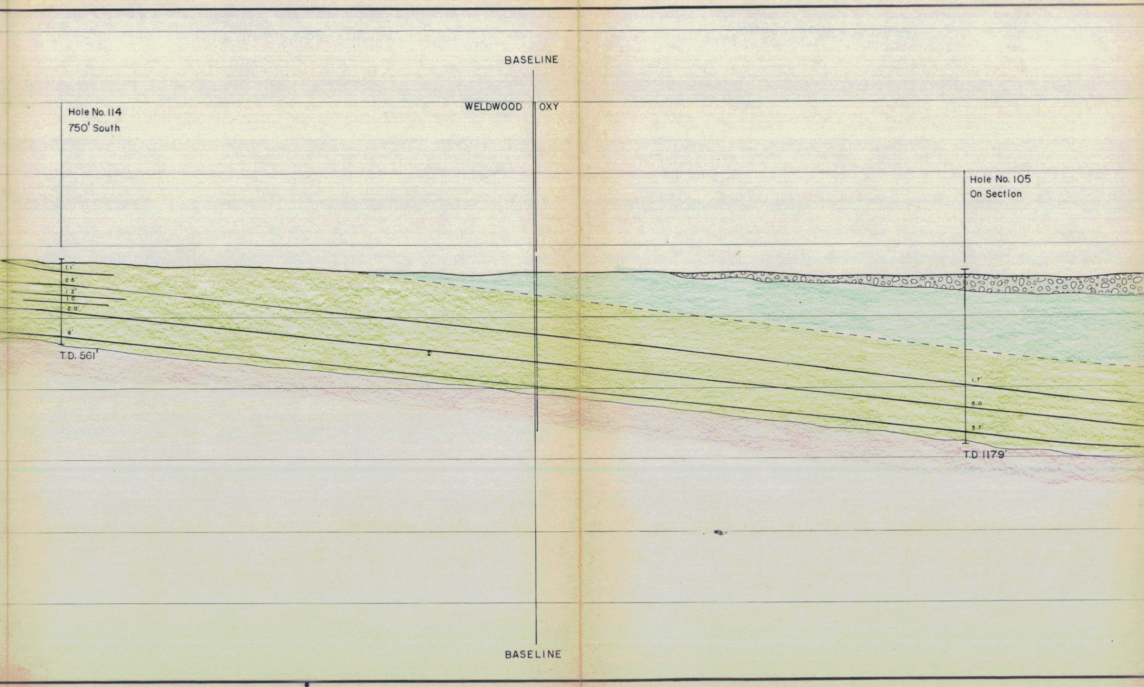
Feet
0
250
500

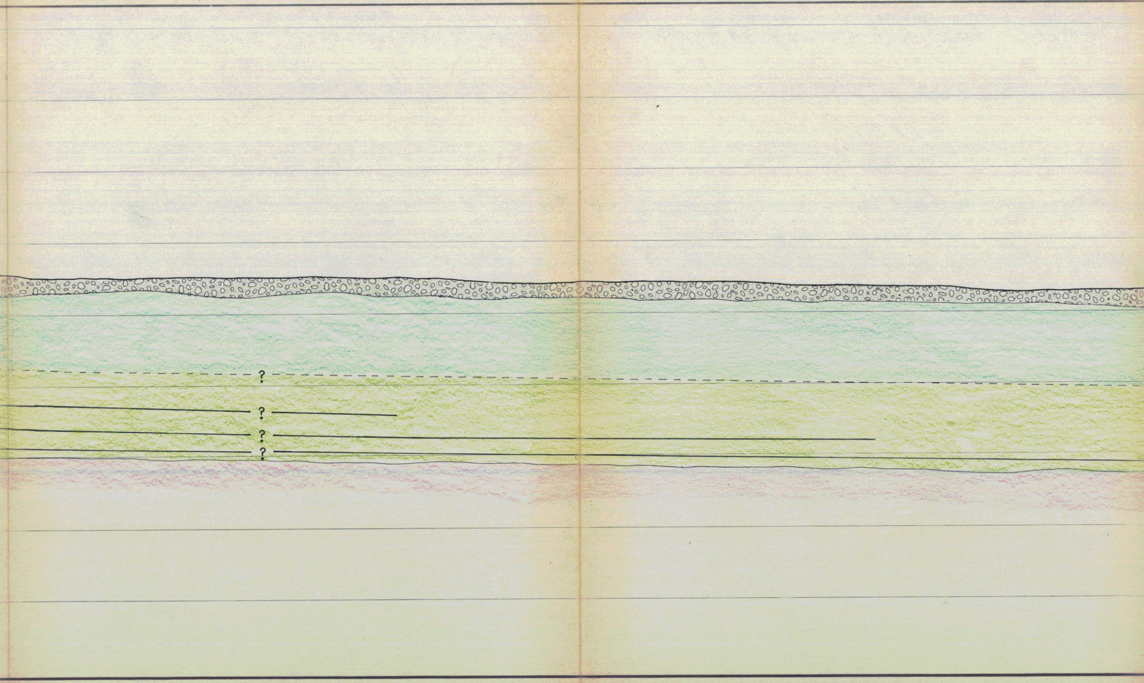
DATE October 1980	N T S NO 92F/14	COMPILED BY R.A. Swaren
DRAWING NO		DRAWN BY L. MacKellar

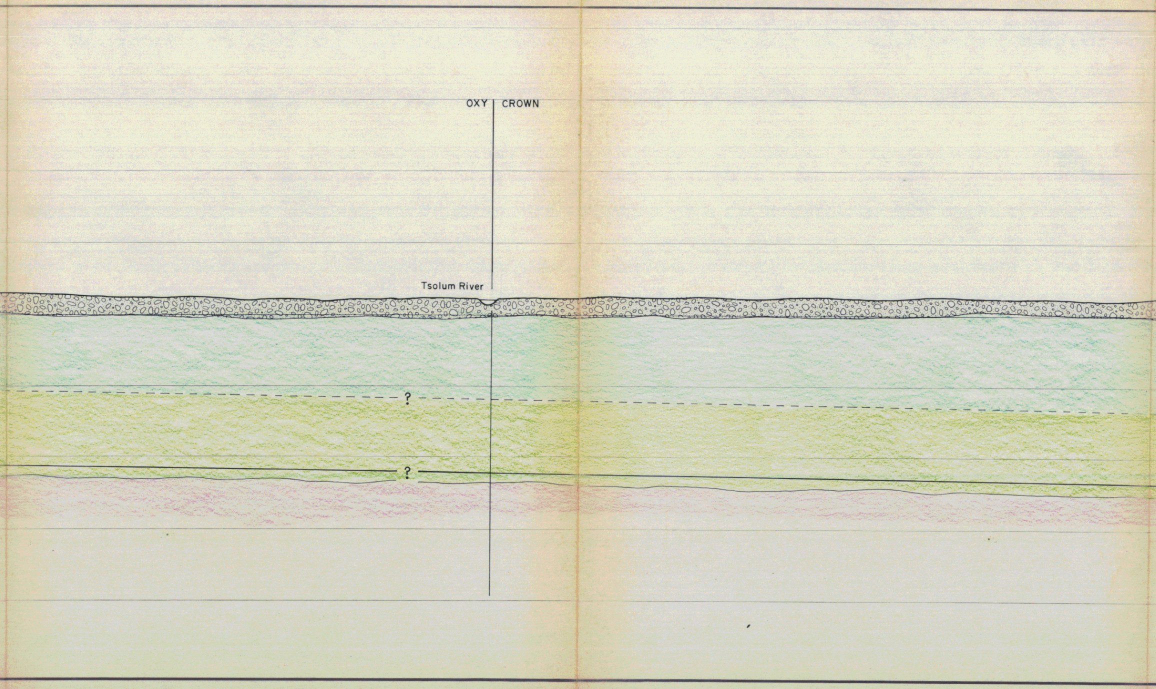

2000
1500
Brown's River
1000
500
0
500
1000
1500
2000

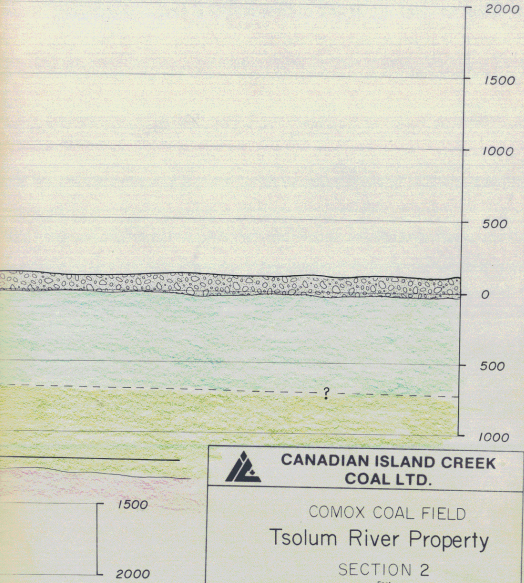

Anderson No. 2
300' South
Elev. 1440'
15°
8°
4.5
3.0
2.8
3.0
T.D. 400'
Anderson No. 10
300' North
Elev. 955'
T.D. 50'


Brown's No. 3
400' South
Elev. 490'
4'
1.5'
5 3
5'
T.D. 430'


BASELINE
WELDWOOD
OXY
Hole No. 114
750' South
1.1'
2.5'
1.2'
1.0
2.0'
8'
T.D. 561'
Hole No. 105
On Section
1.7'
5.0
5.7'
T.D 1179'
BASELINE




OXY
CROWN
Tsolum River
?
?


2000
1500
1000
500
0
500
?
1000
1500
2000

CANADIAN ISLAND CREEK COAL LTD.

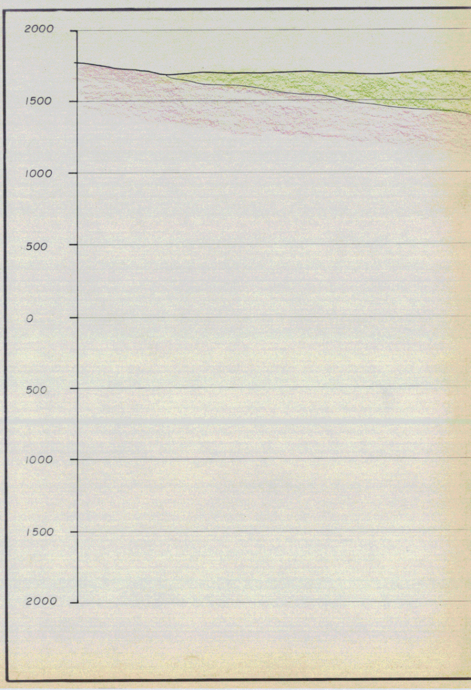
COMOX COAL FIELD

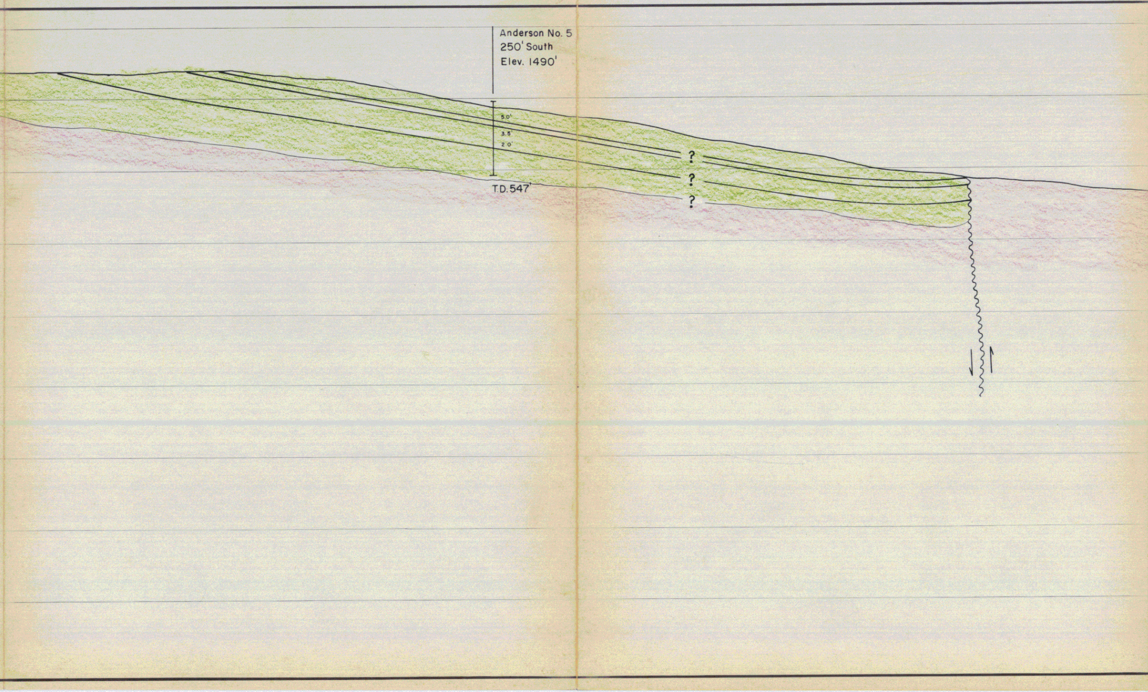
Tsolum River Property

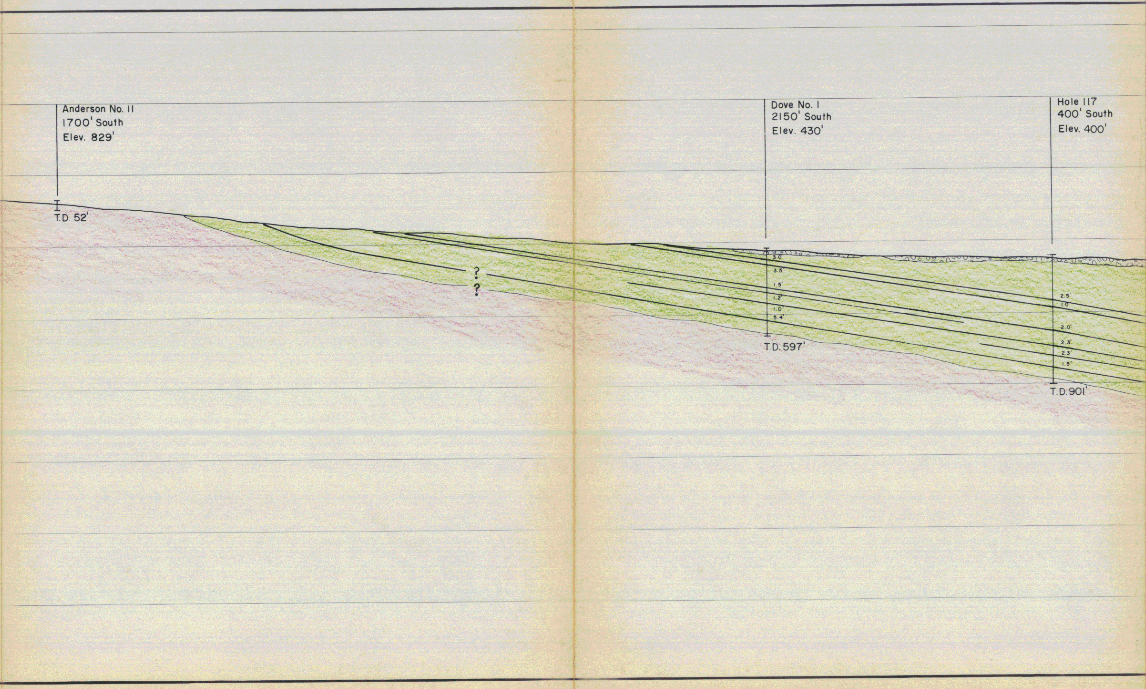
SECTION 2

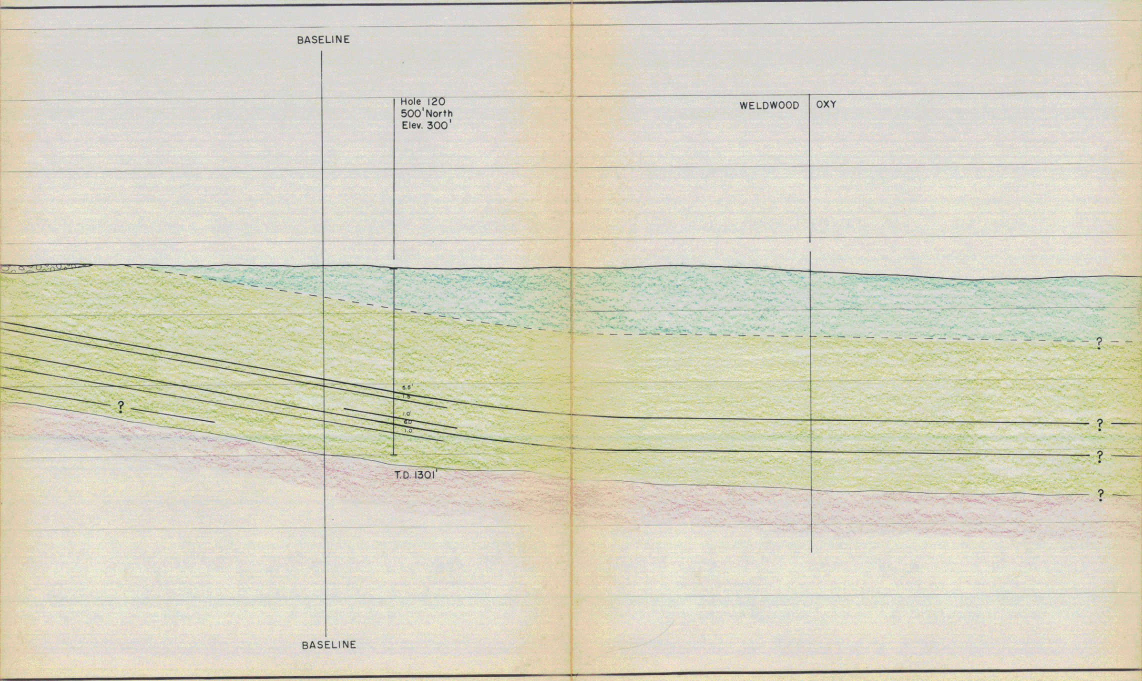
Feet
0 250 500

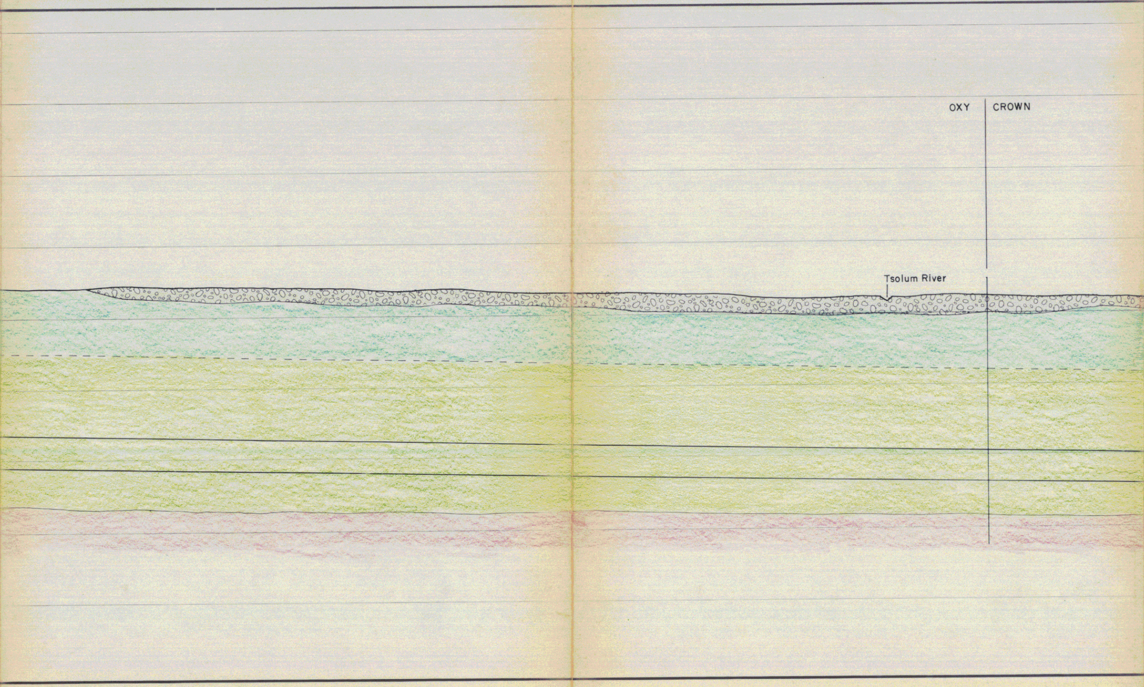
DATE October 1980	N.T.S. NO 92F/14	COMPILED BY R.A. Swaren
DRAWING NO		DRAWN BY L. MacKellar

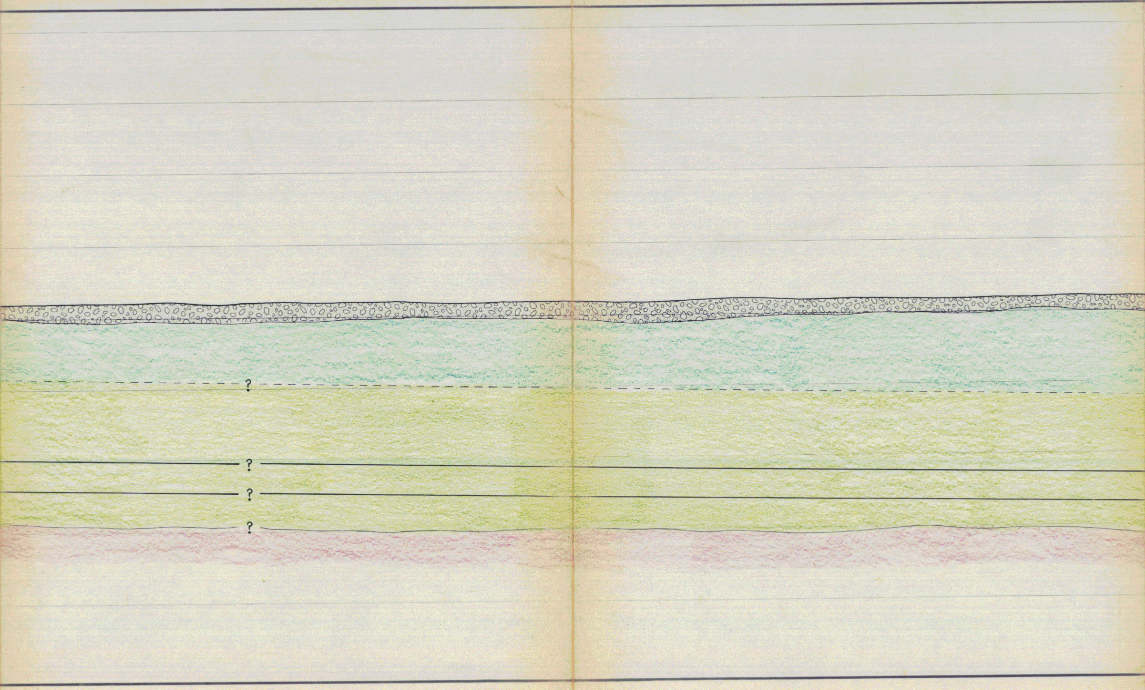

2000
1500
1000
500
0
500
1000
1500
2000

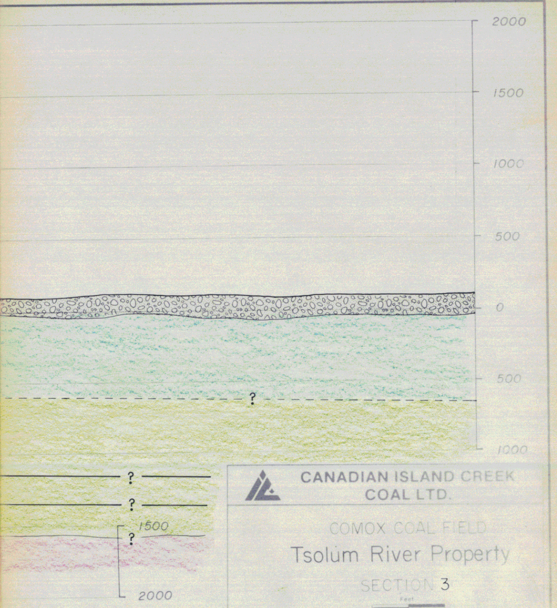

Anderson No. 5
250' South
Elev. 1490'
5.0'
3.5'
2.0'
T.D. 547'
?
?
?


Anderson No. 11
1700' South
Elev. 829'
T.D. 52'
?
?
Dove No. 1
2150' South
Elev. 430'
3.0'
3.5'
1.5'
1.2'
1.0'
5.4'
T.D. 597'
Hole 117
400' South
Elev. 400'
2.5'
1.0
2.0'
2.3'
2.3'
1.5'
T.D. 901'


BASELINE
Hole 120
500' North
Elev. 300'
WELDWOOD
OXY
5.5'
1.5
1.0'
6.0
1.0'
T.D. 1301'
?
?
?
?
?
BASELINE


OXY
CROWN
Tsolum River




2000
1500
1000
500
0
500
1000
?
?
?
1500
?
2000

CANADIAN ISLAND CREEK COAL LTD.

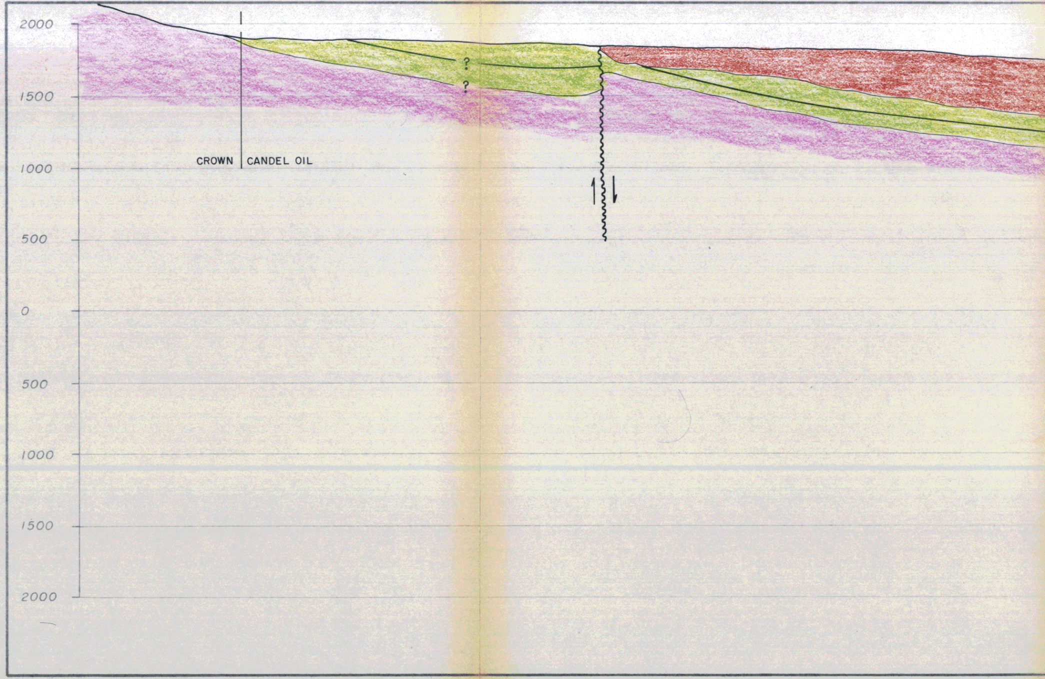
COMOX COAL FIELD

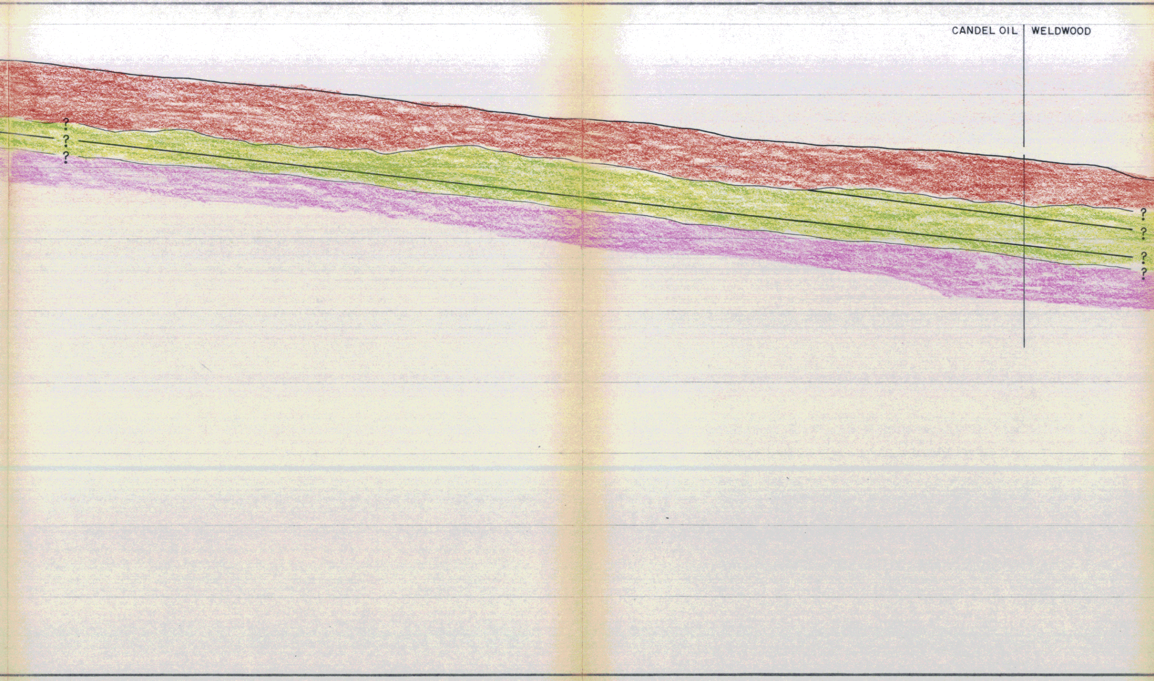
Tsolum River Property

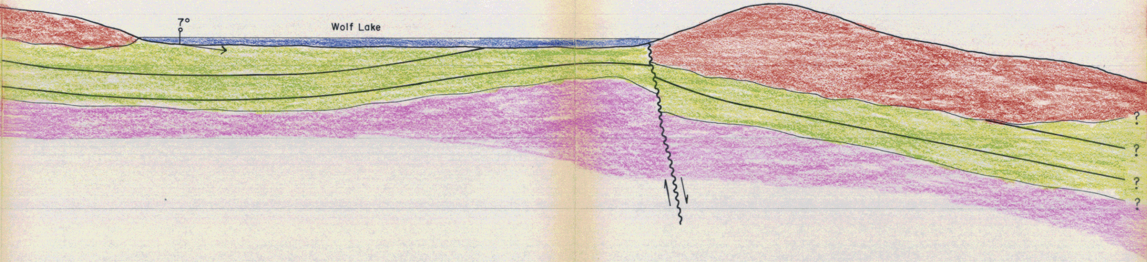
SECTION 3

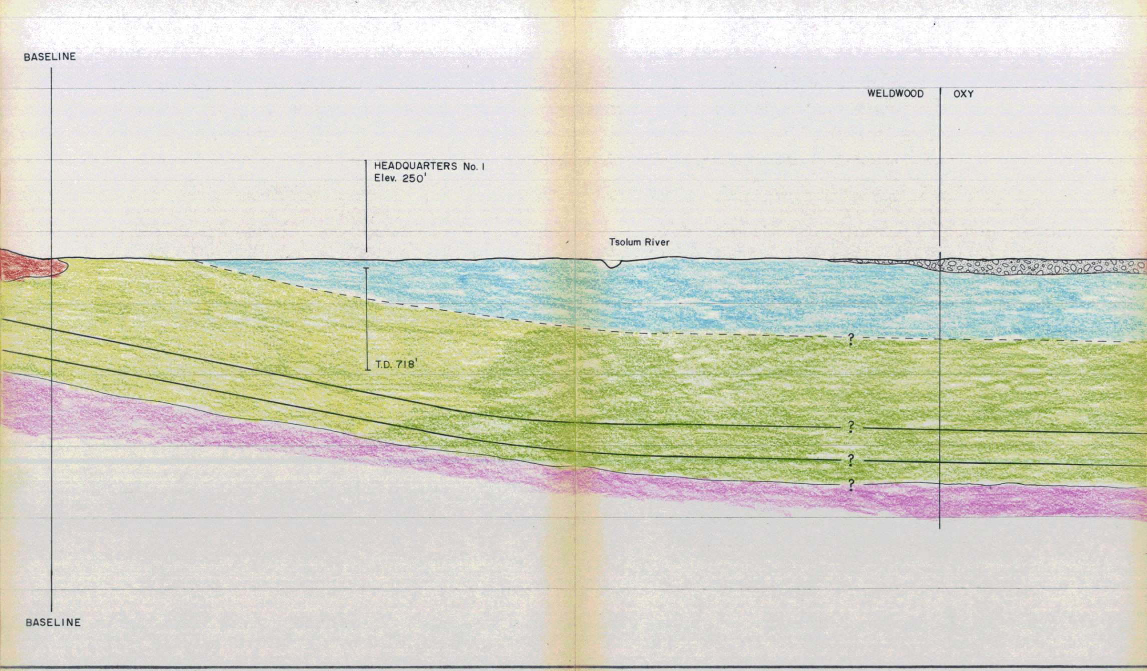
Feet
0 250 500

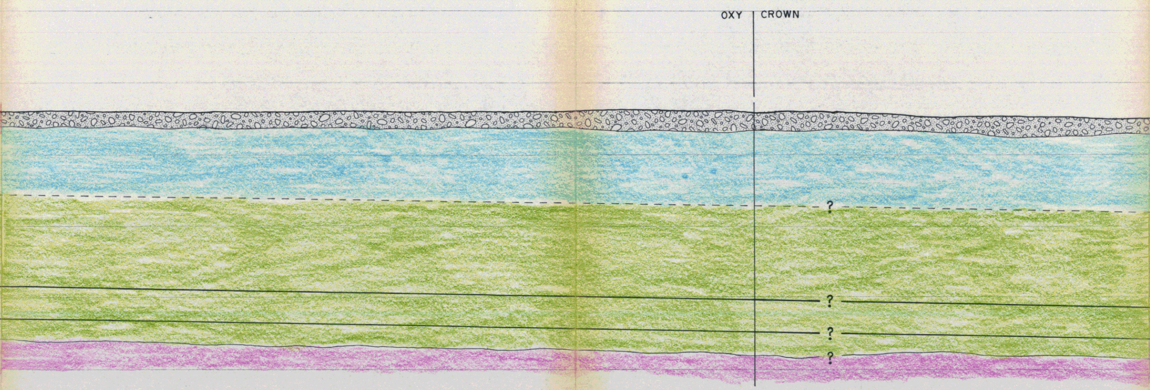
DATE	N.T.S. NO.	COMPILED BY
October 1980	92F/14	R.A. Swaren
DRAWING NO.		DRAWN BY L. MacKellar

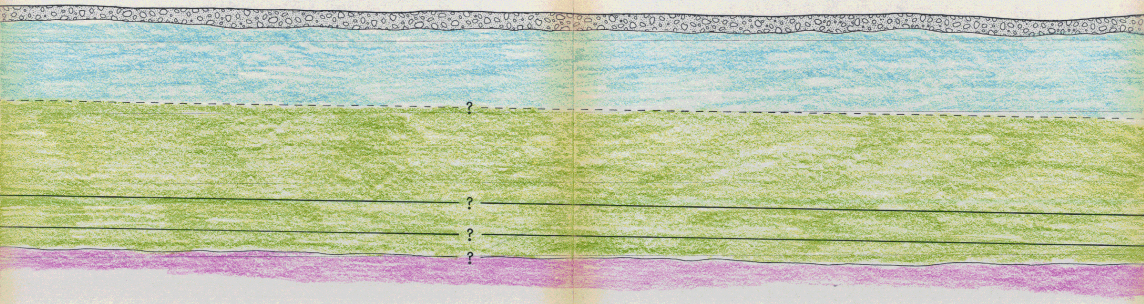

2000
1500
1000
500
0
500
1000
1500
2000
CROWN
CANDEL OIL
?
?

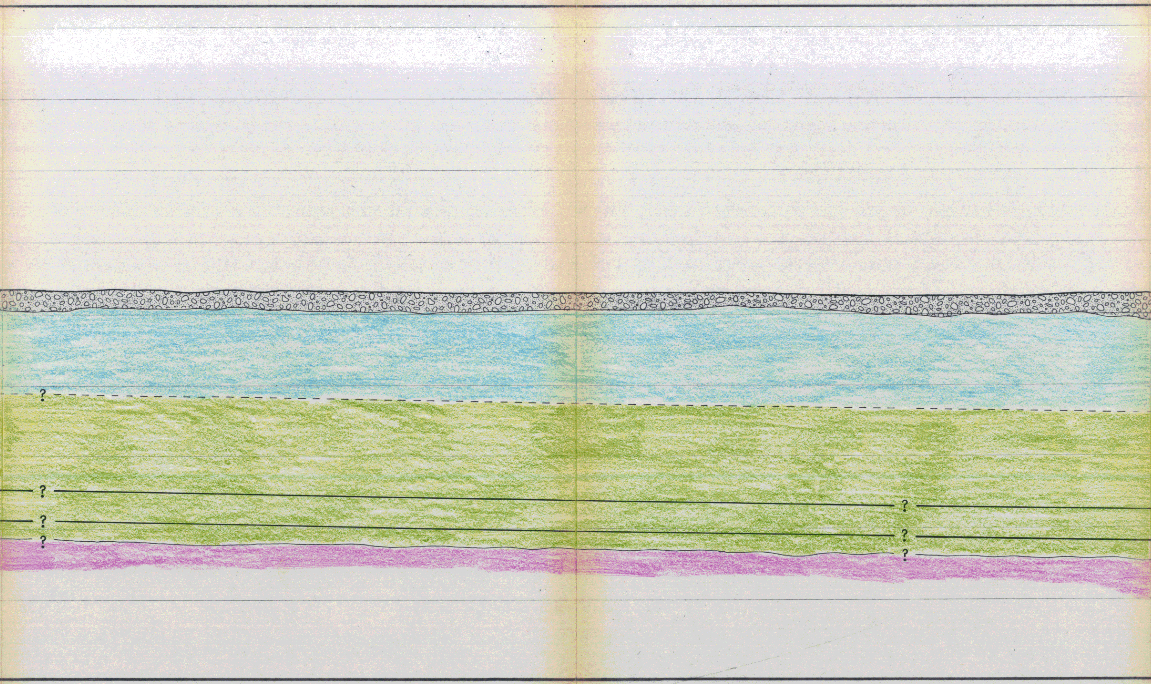

CANDEL OIL
WELDWOOD
?
?
?
?
?
?
?

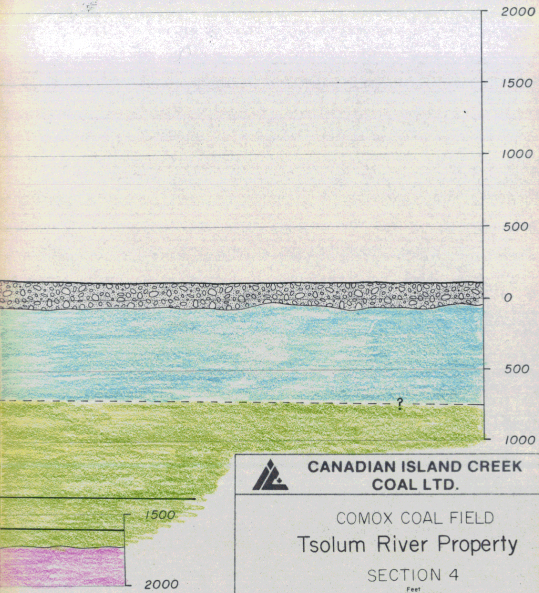



BASELINE
WELDWOOD
OXY
HEADQUARTERS No. 1
Elev. 250'
Tsolum River
T.D. 718'
?
?
?
?
BASELINE








2000
1500
1000
500
0
500
?
1000
1500
2000

CANADIAN ISLAND CREEK
COAL LTD.

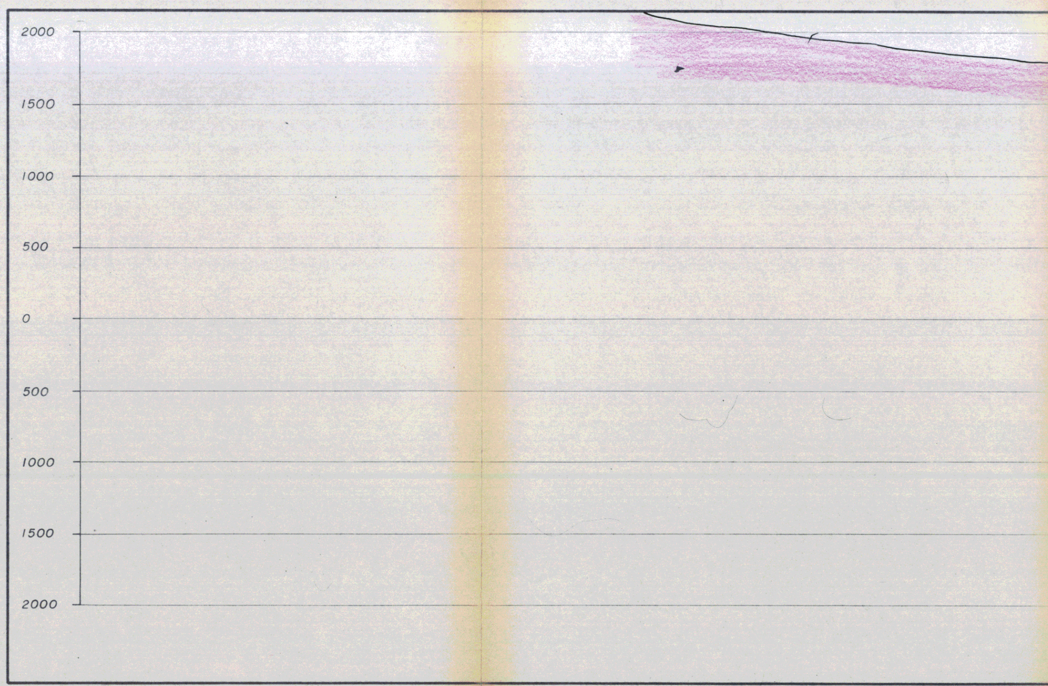
COMOX COAL FIELD

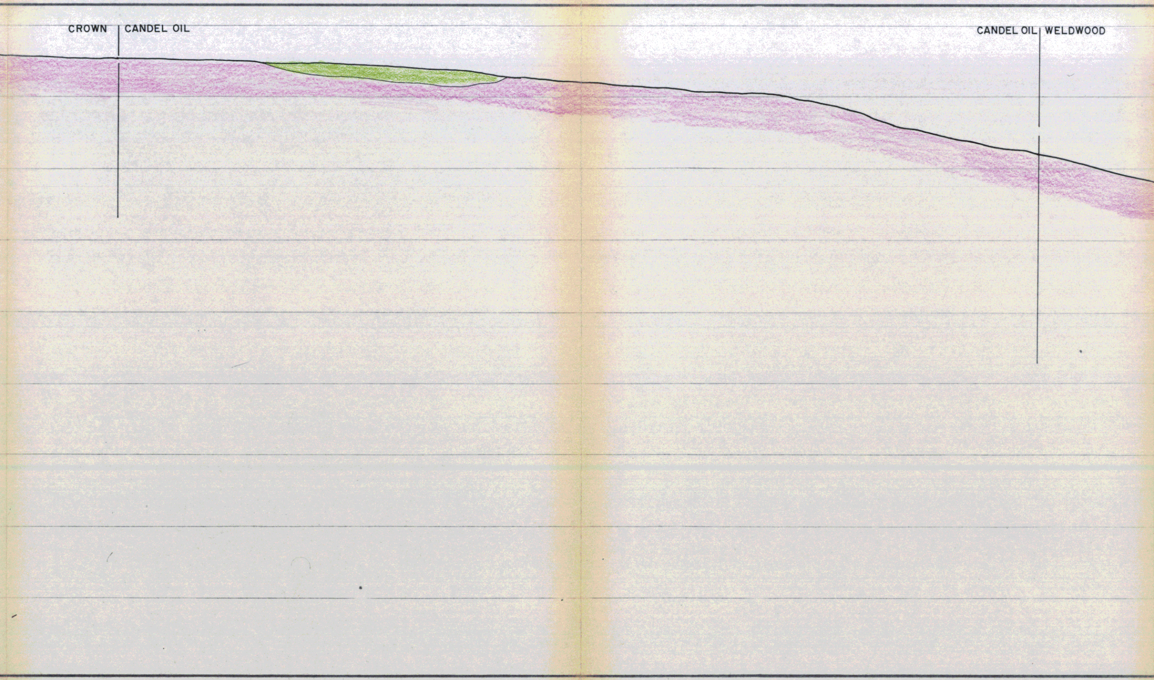
Tsolum River Property

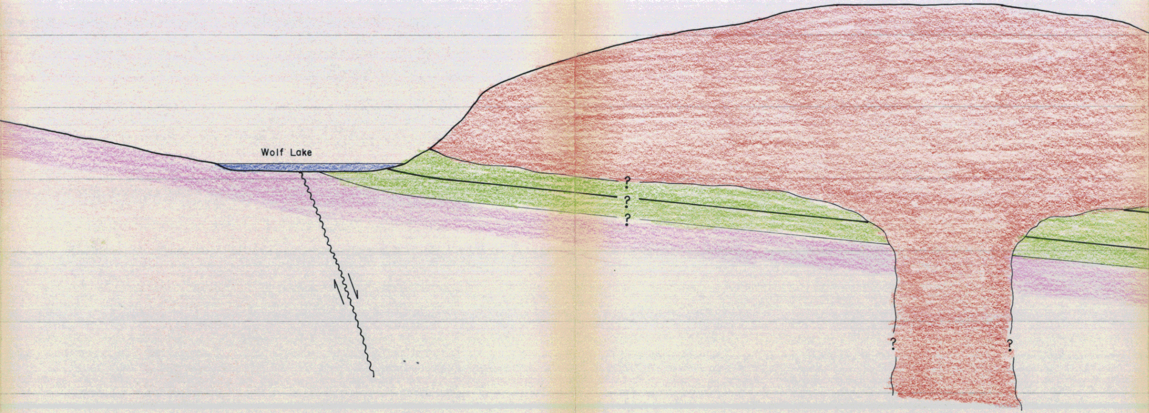
SECTION 4

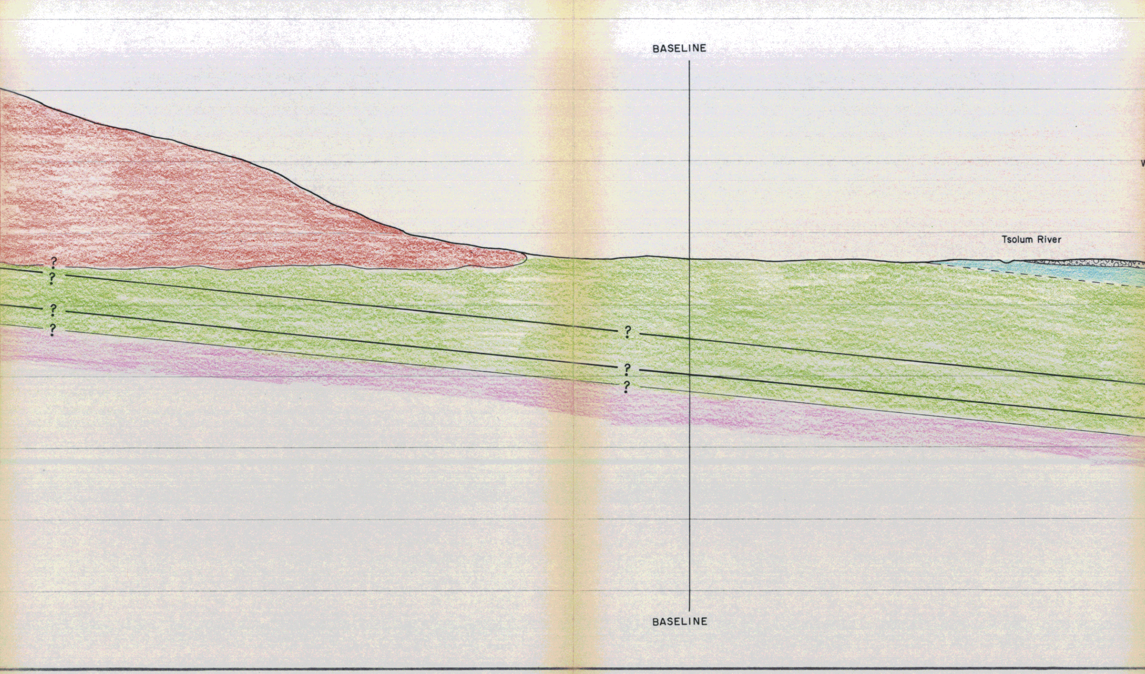
Feet
0 250 500

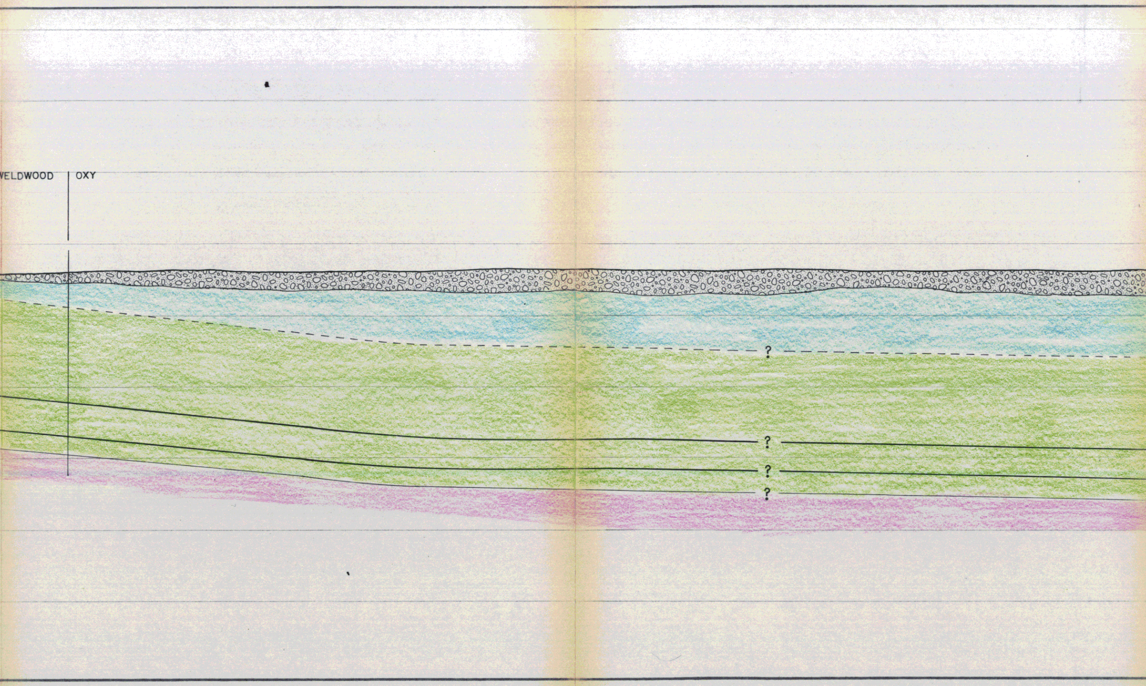
DATE October 1980	N.T.S. NO 92F/14	COMPILED BY R.A. Swaren
DRAWING NO.		DRAWN BY L. MacKellar

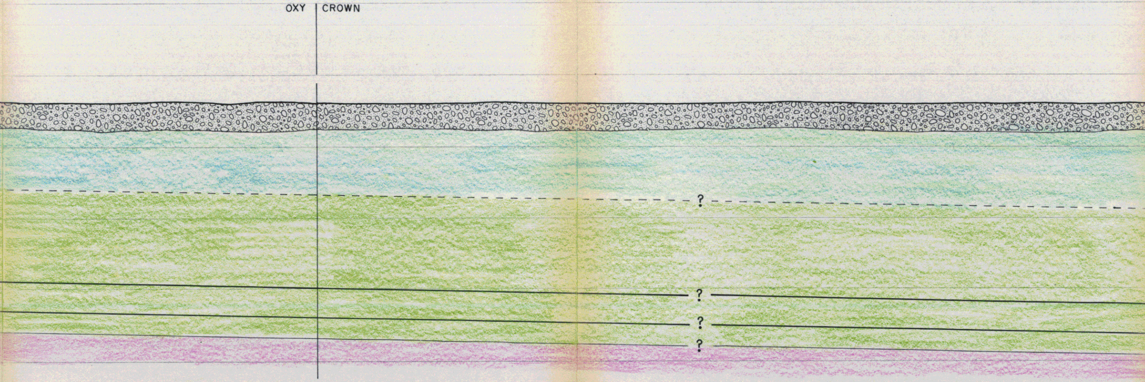

2000
1500
1000
500
0
500
1000
1500
2000

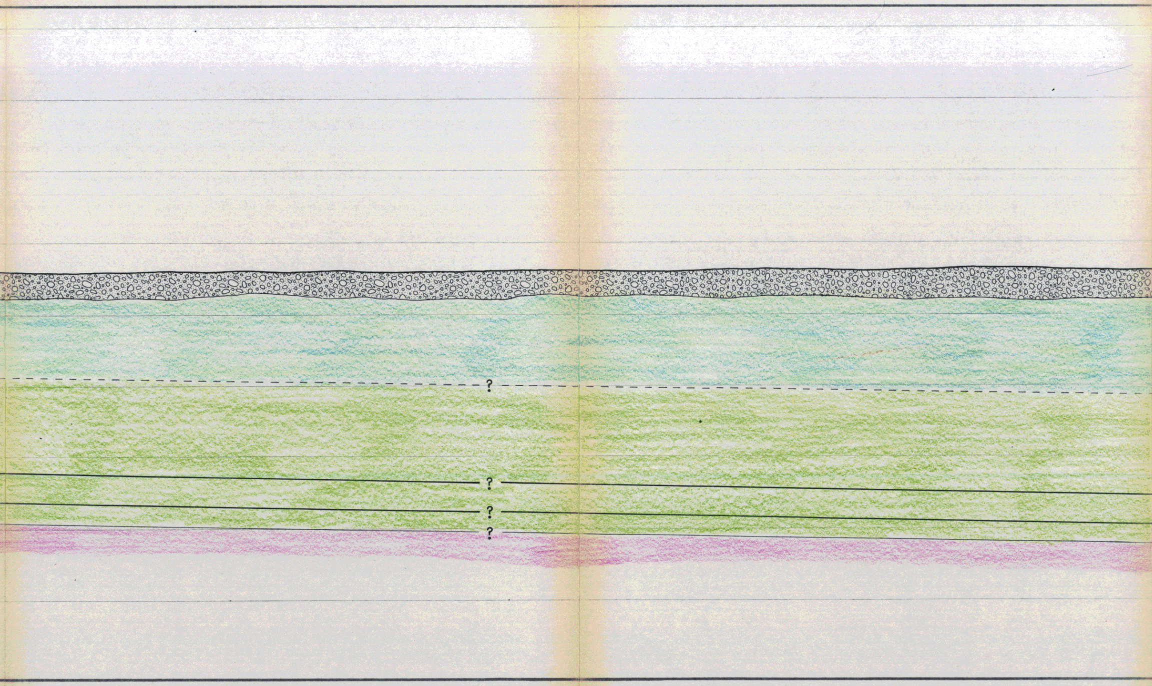

CROWN
CANDEL OIL
CANDEL OIL
WELDWOOD

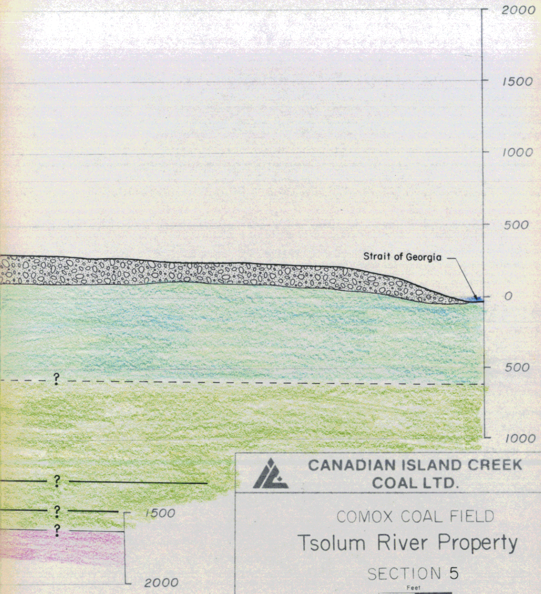



BASELINE
Tsolum River
?
?
?
?
?
?
?
BASELINE


WELDWOOD
OXY
?
?
?
?






2000
1500
1000
500
Strait of Georgia
0
500
1000
?
?
?
?
1500
2000

CANADIAN ISLAND CREEK
COAL LTD.

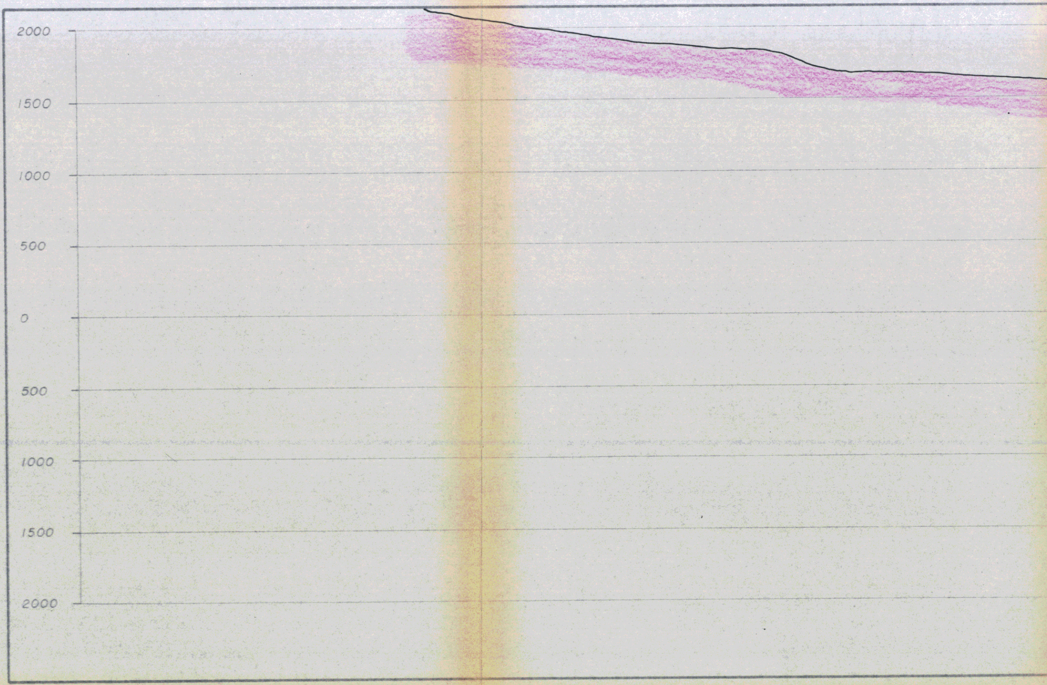
COMOX COAL FIELD

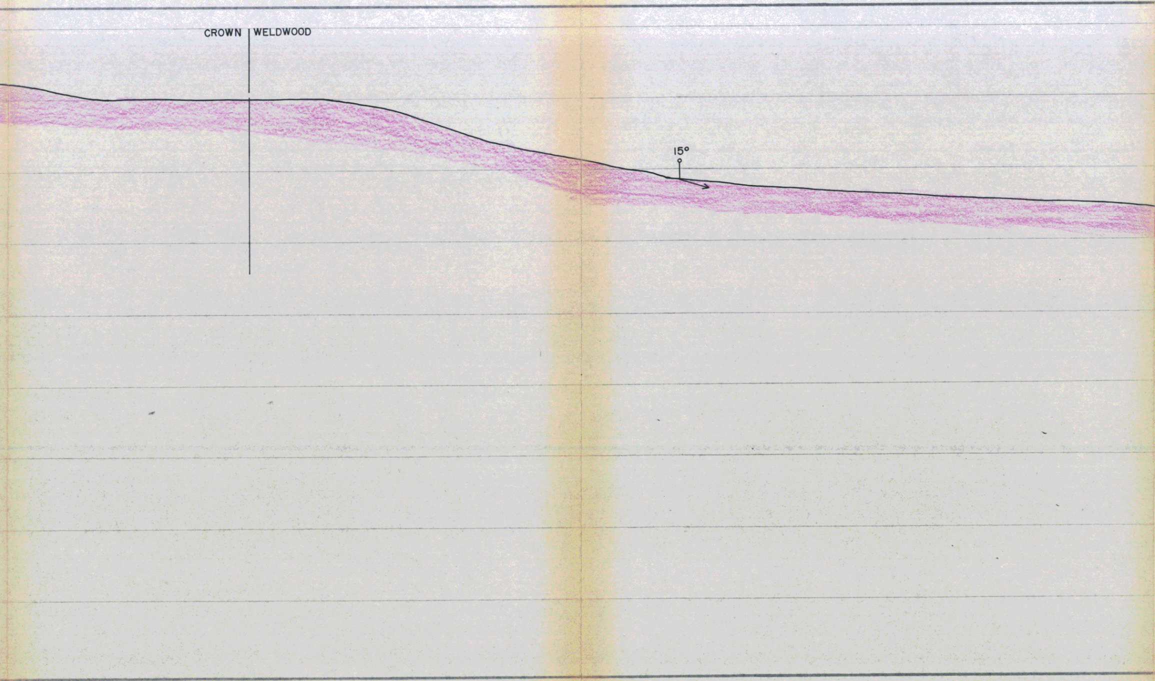
Tsolum River Property

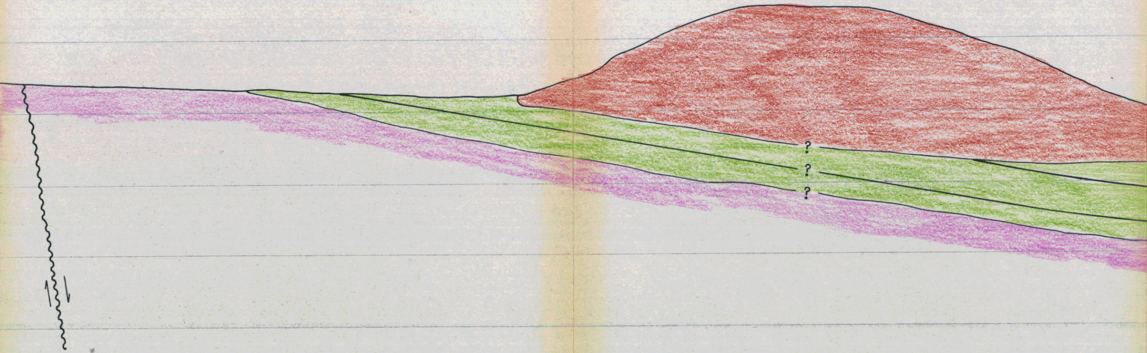
SECTION 5

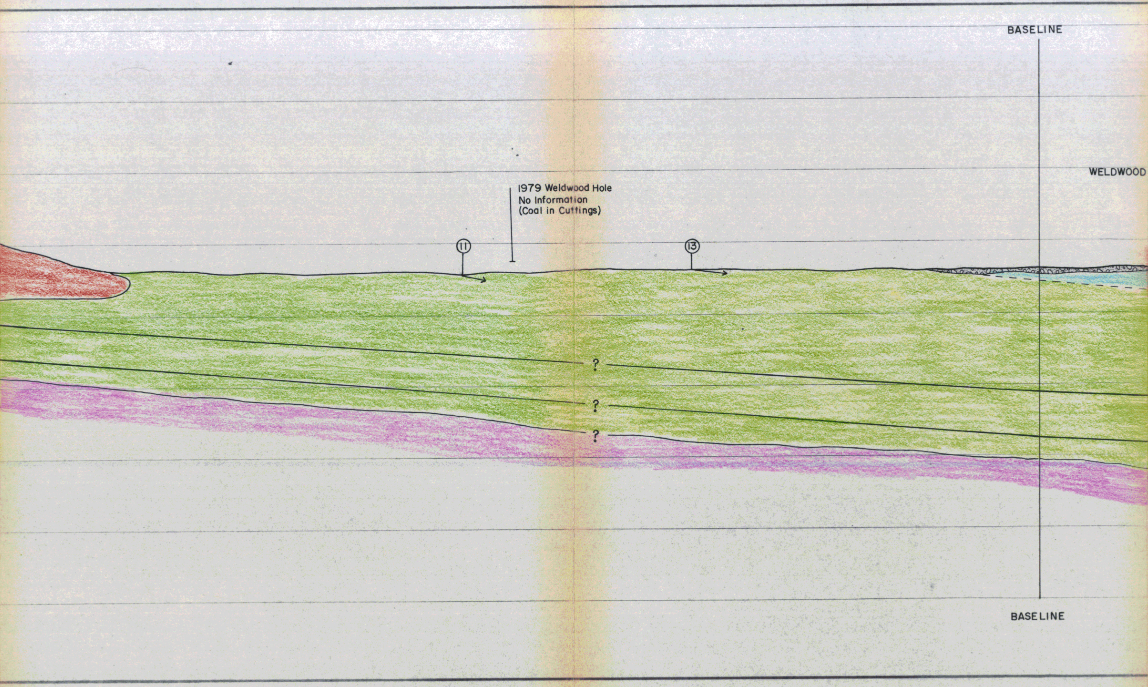
Feet
0
250
500

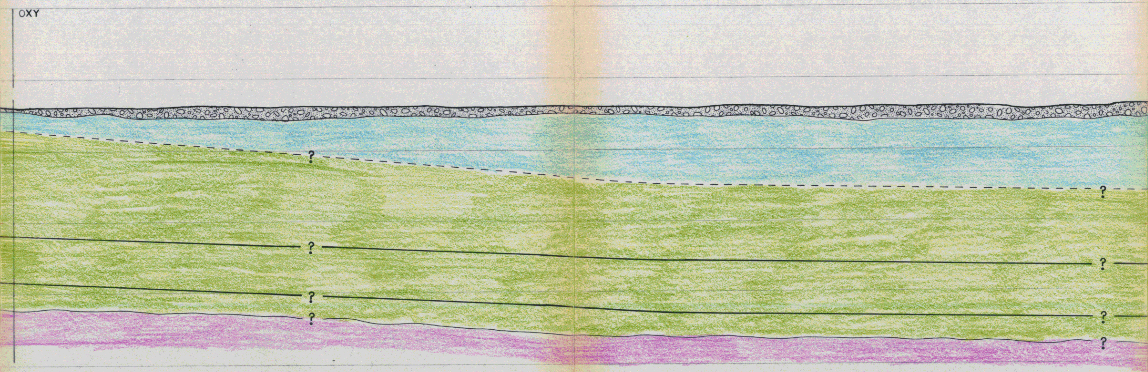
DATE October 1980	N.T.S. NO 92F/14	COMPILED BY R.A. Swaren
DRAWING NO		DRAWN BY L. MacKellar

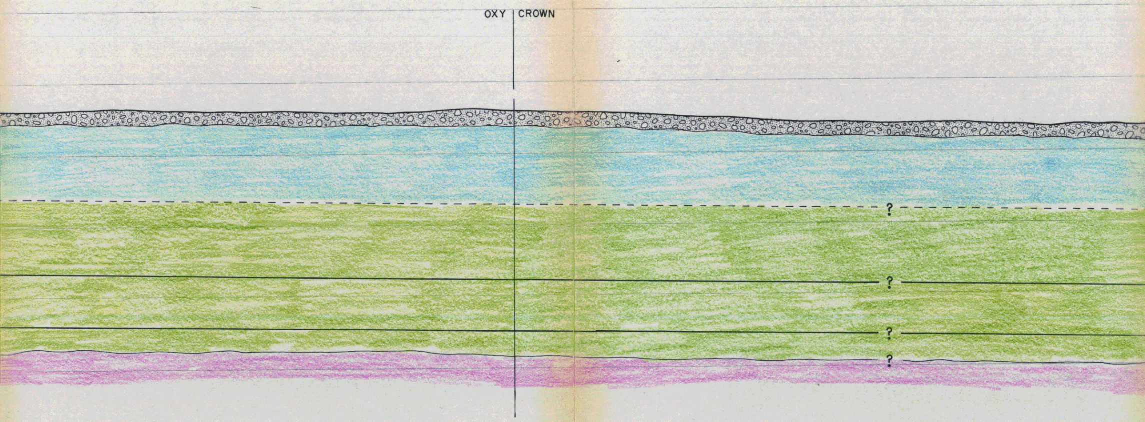


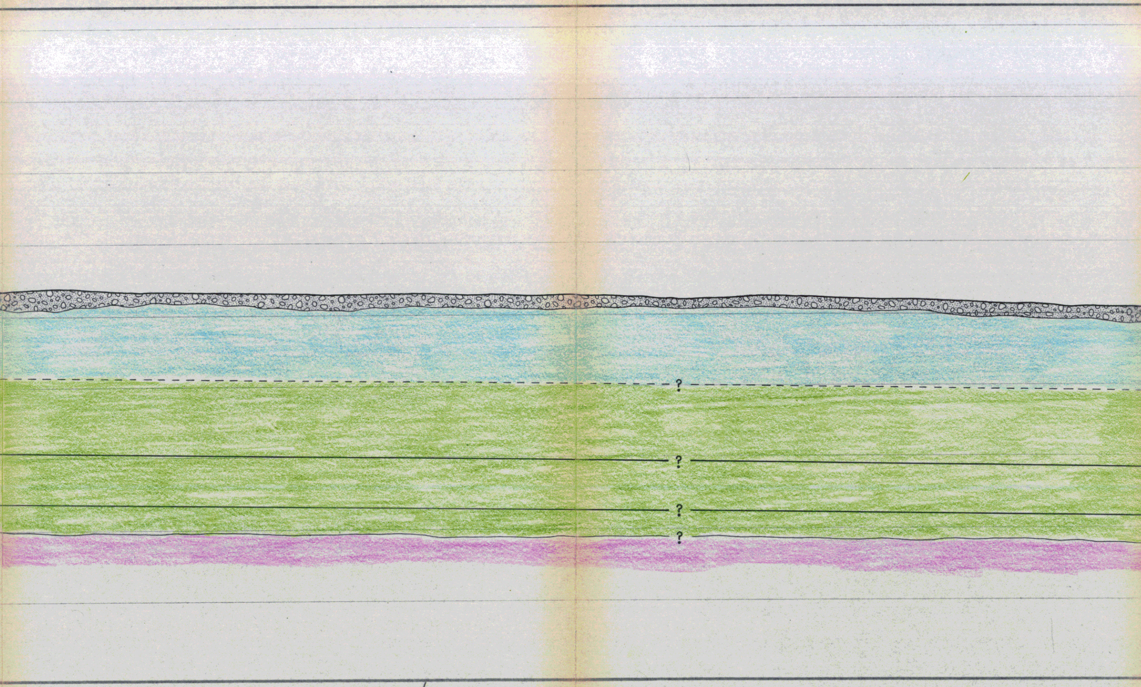

CROWN
WELDWOOD
15°

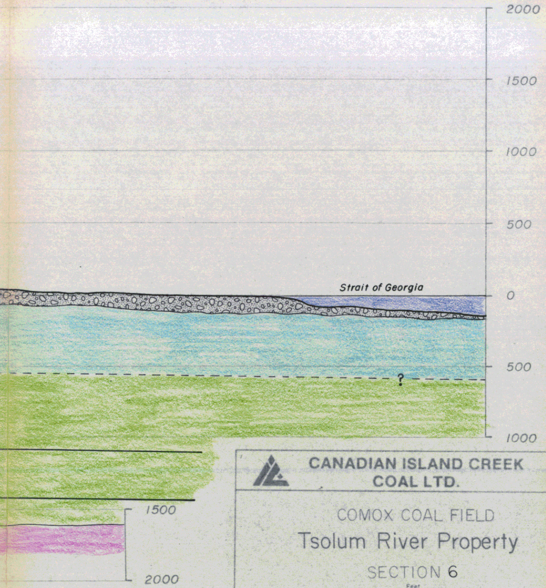



BASELINE
WELDWOOD
1979 Weldwood Hole
No Information
(Coal in Cuttings)
11
13
?
?
?
BASELINE








2000
1500
1000
500
Strait of Georgia
0
500
?
1000
1500
2000

CANADIAN ISLAND CREEK COAL LTD.

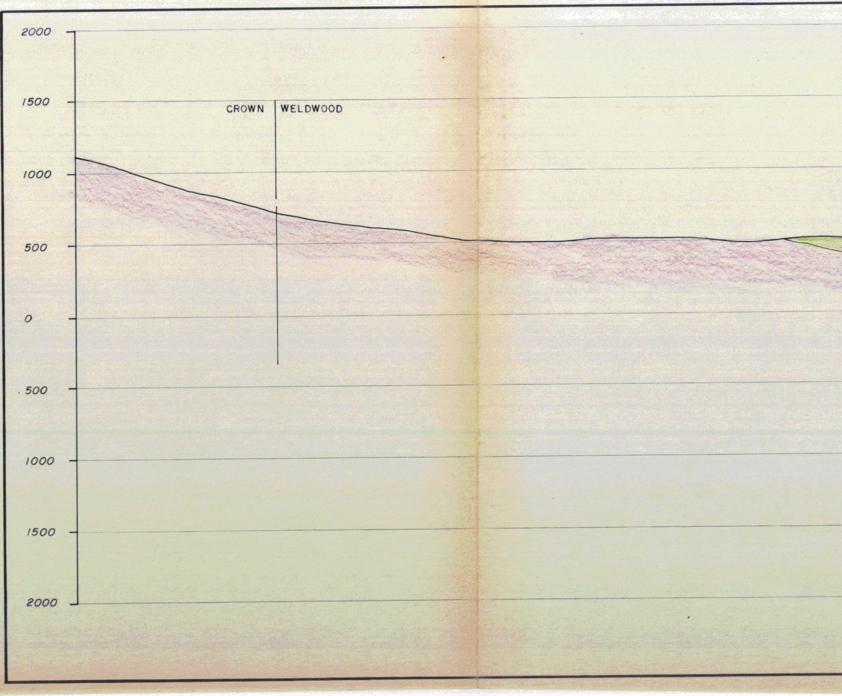
COMOX COAL FIELD

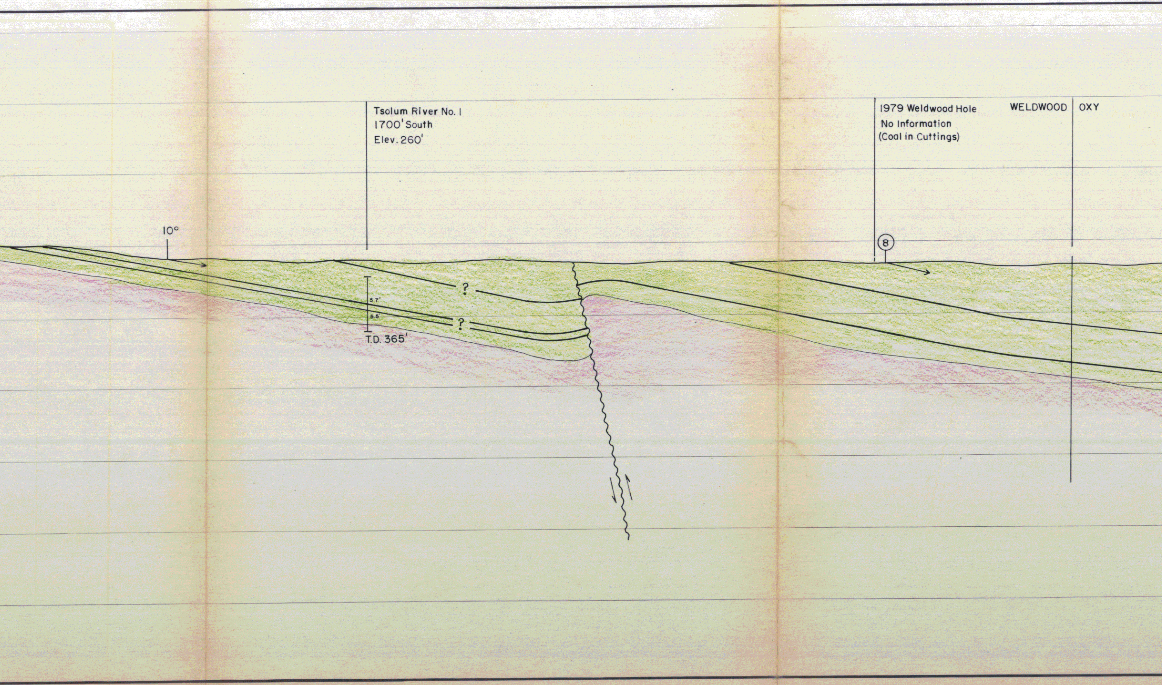
Tsolum River Property

SECTION 6

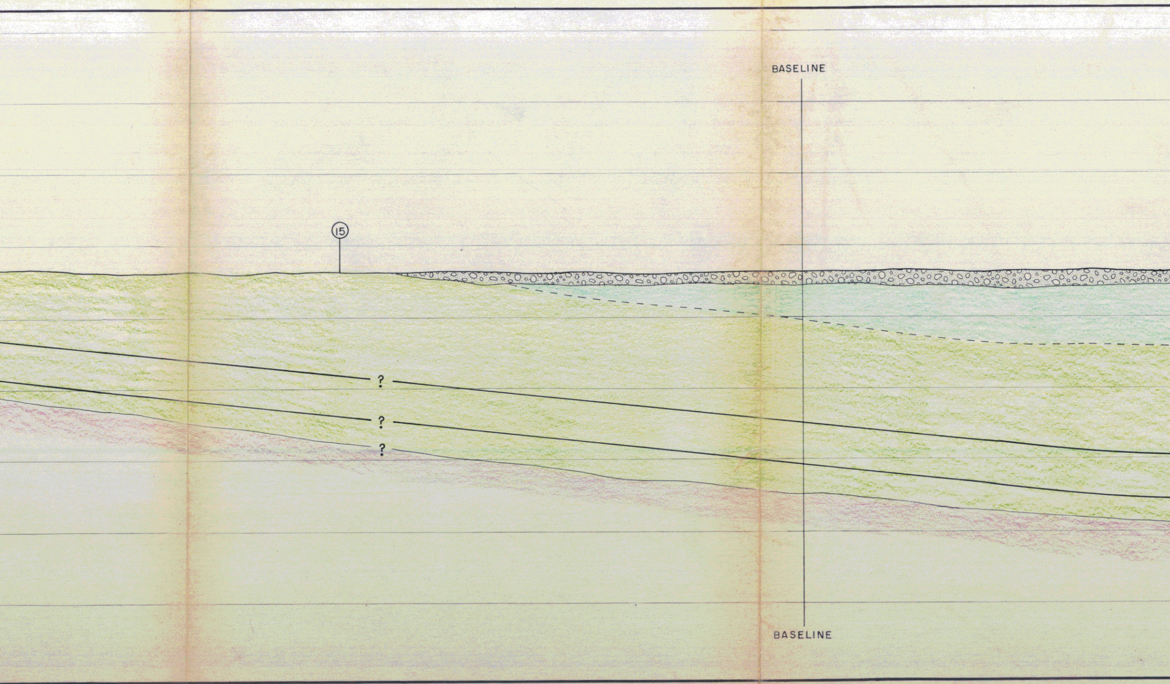
Feet
0 250 500

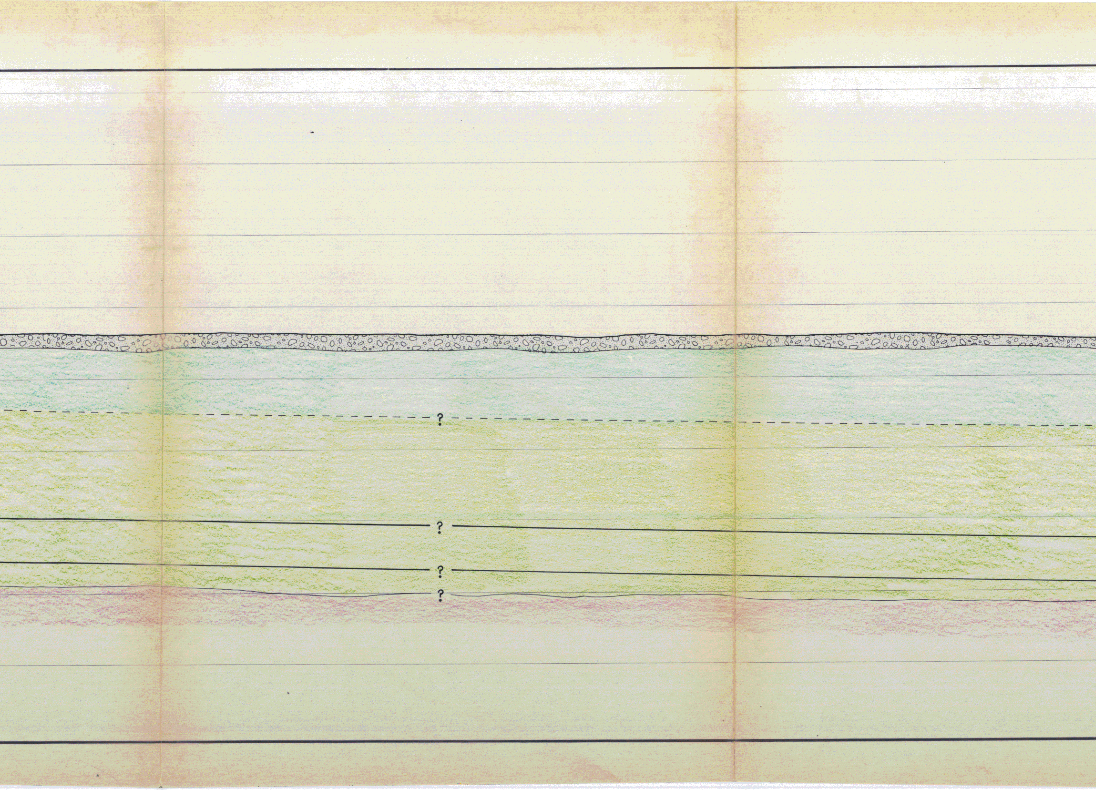
DATE October 1980	N.T.S. NO. 92F/14	COMPILED BY R.A. Swaren
DRAWING NO.		DRAWN BY L. MacKellar

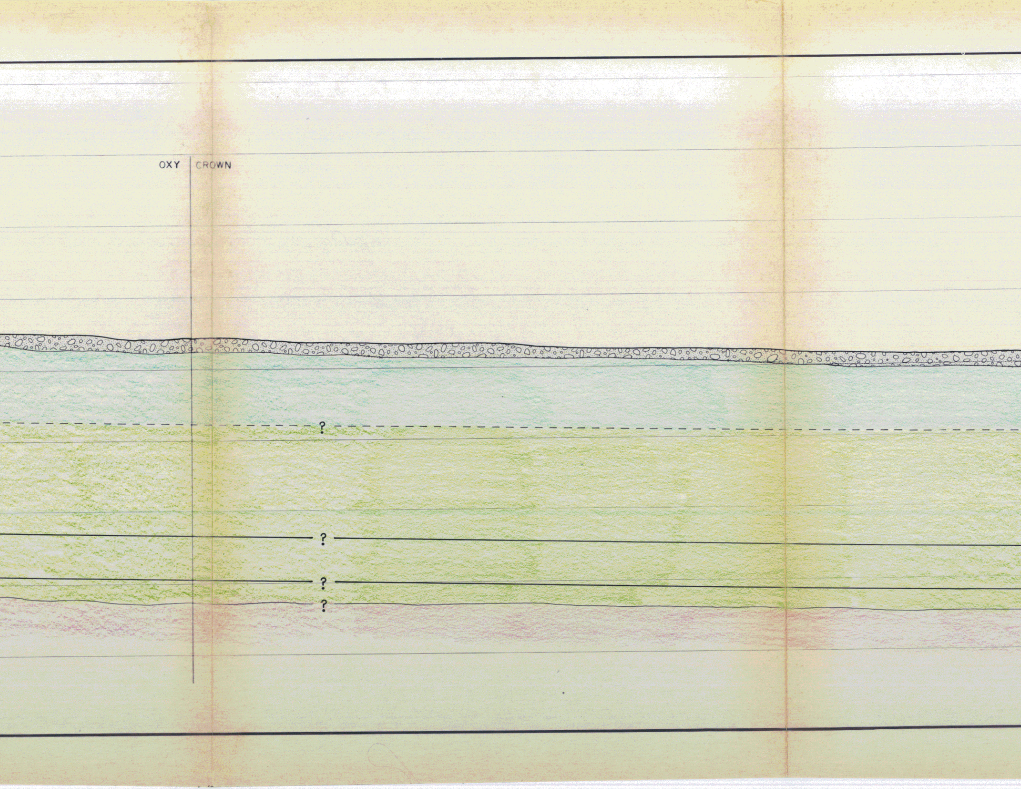

2000
1500
1000
500
0
500
1000
1500
2000
CROWN
WELDWOOD

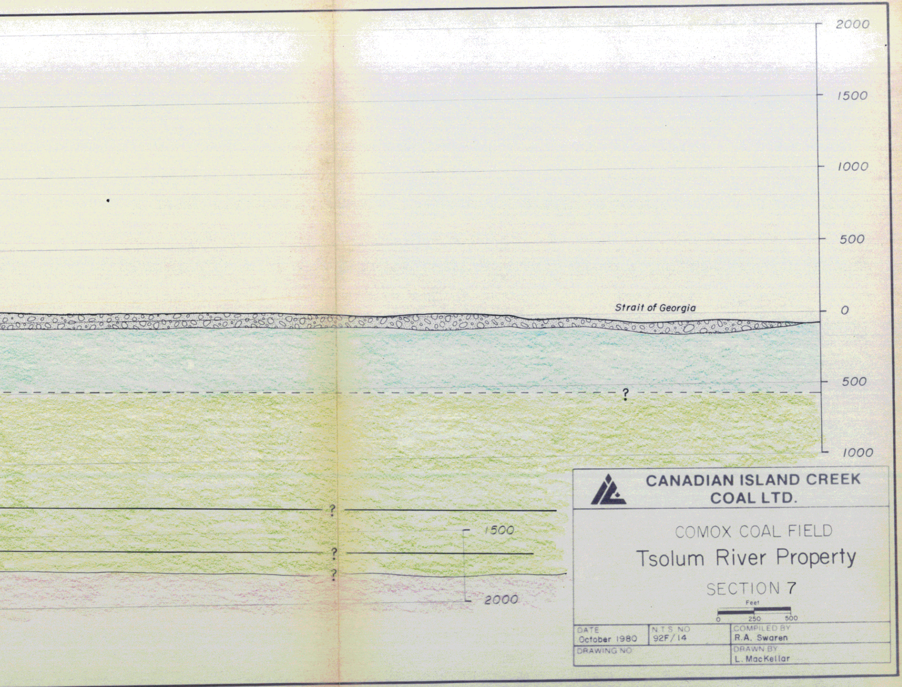


10°
Tsolum River No. 1
1700' South
Elev. 260'
5.7'
6.5'
T.D. 365'
?
?
1979 Weldwood Hole
No Information
(Coal in Cuttings)
8
WELDWOOD
OXY


BASELINE
⑮
?
?
?
BASELINE






2000
1500
1000
500
Strait of Georgia
0
500
?
1000
?
1500
?
?
2000

CANADIAN ISLAND CREEK COAL LTD.

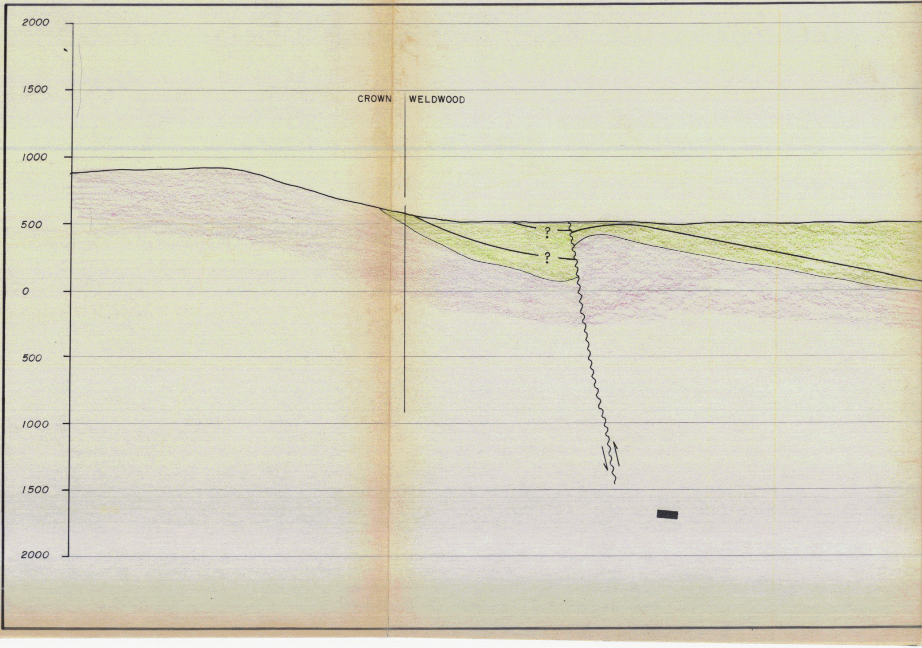
COMOX COAL FIELD

Tsolum River Property

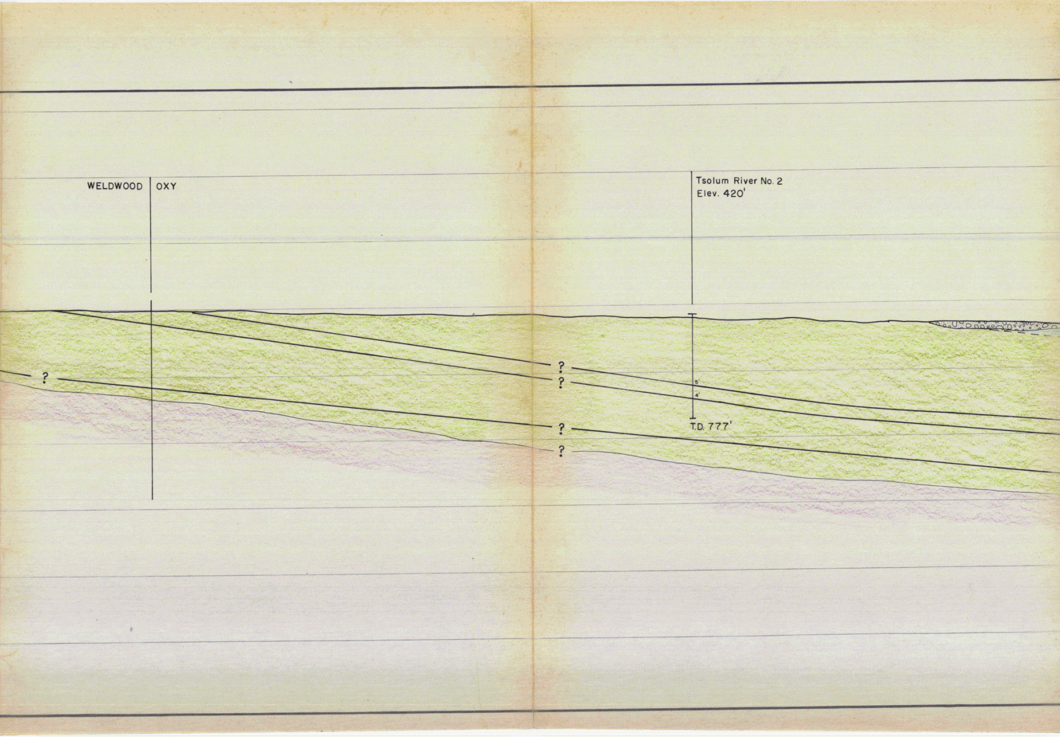
SECTION 7

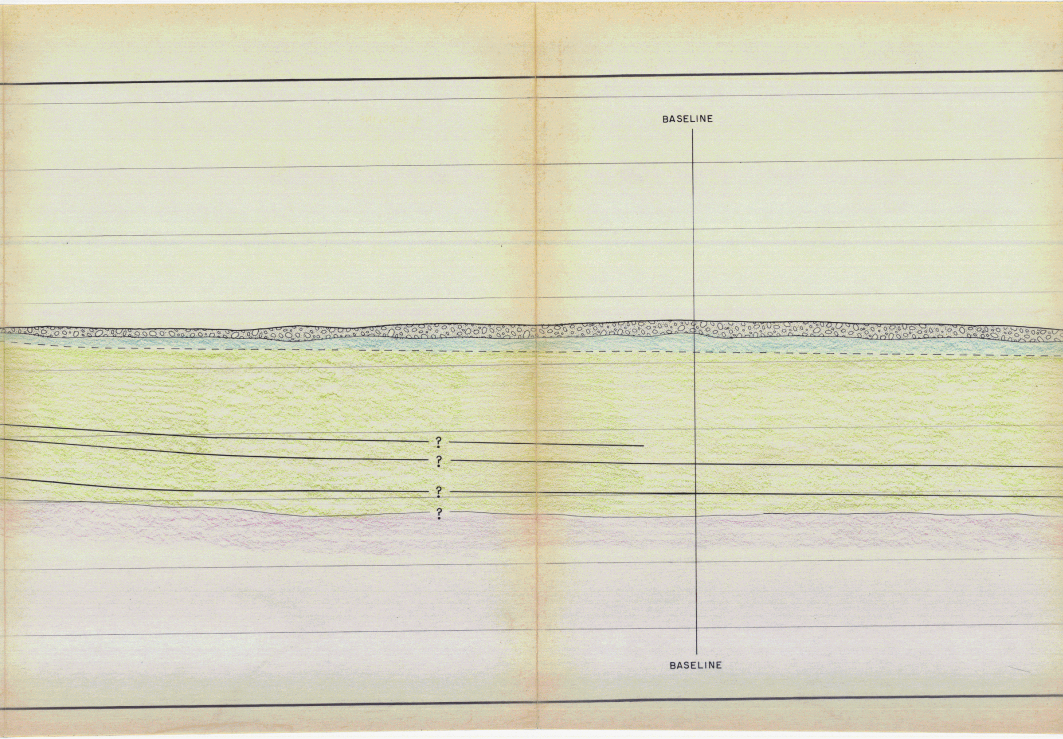
Feet
0 250 500

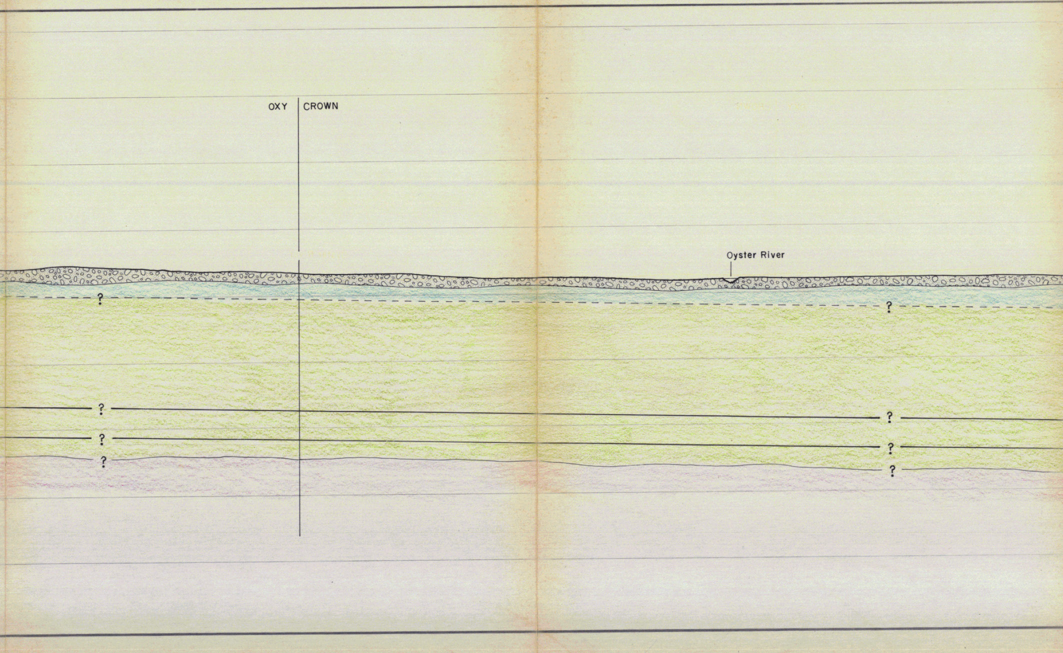
DATE October 1980	N.T.S. NO 92F/14	COMPILED BY R.A. Swaren
DRAWING NO		DRAWN BY L. MacKellar


2000
1500
1000
500
0
500
1000
1500
2000
CROWN
WELDWOOD
?
?

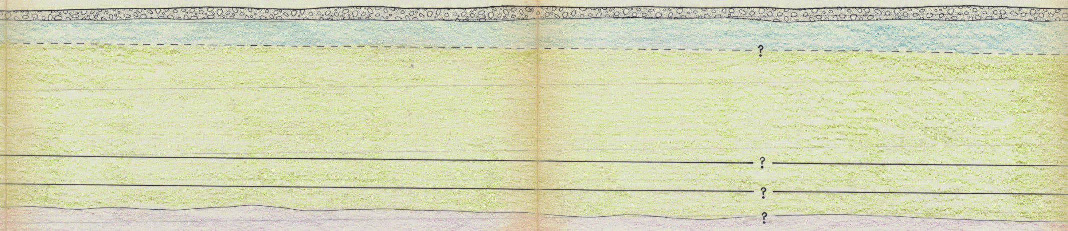
[redacted]

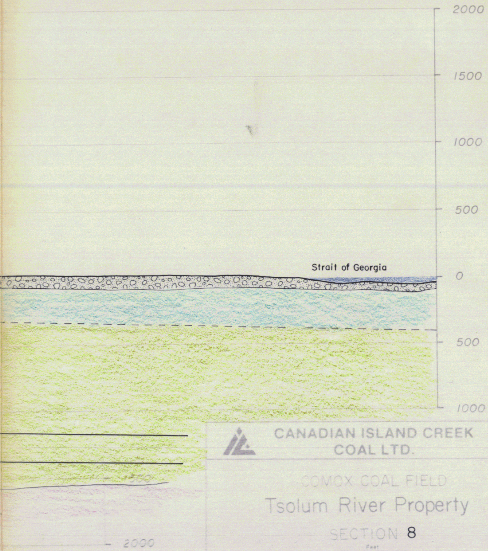

WELDWOOD
OXY
Tsolum River No. 2
Elev. 420'
?
?
?
?
?
5'
4'
T.D. 777'


BASELINE
?
?
?
?
BASELINE


OXY
CROWN
Oyster River
?
?
?
?
?
?
?
?

1




2000
1500
1000
500
Strait of Georgia
0
500
1000
1500
2000

**CANADIAN ISLAND CREEK
COAL LTD.**

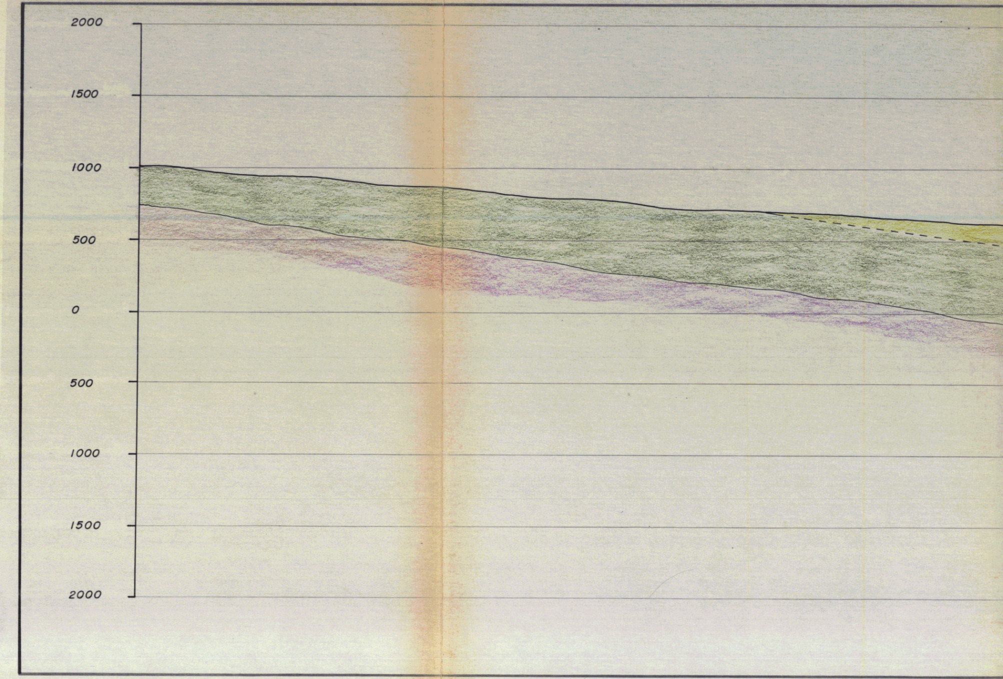
COMOX COAL FIELD

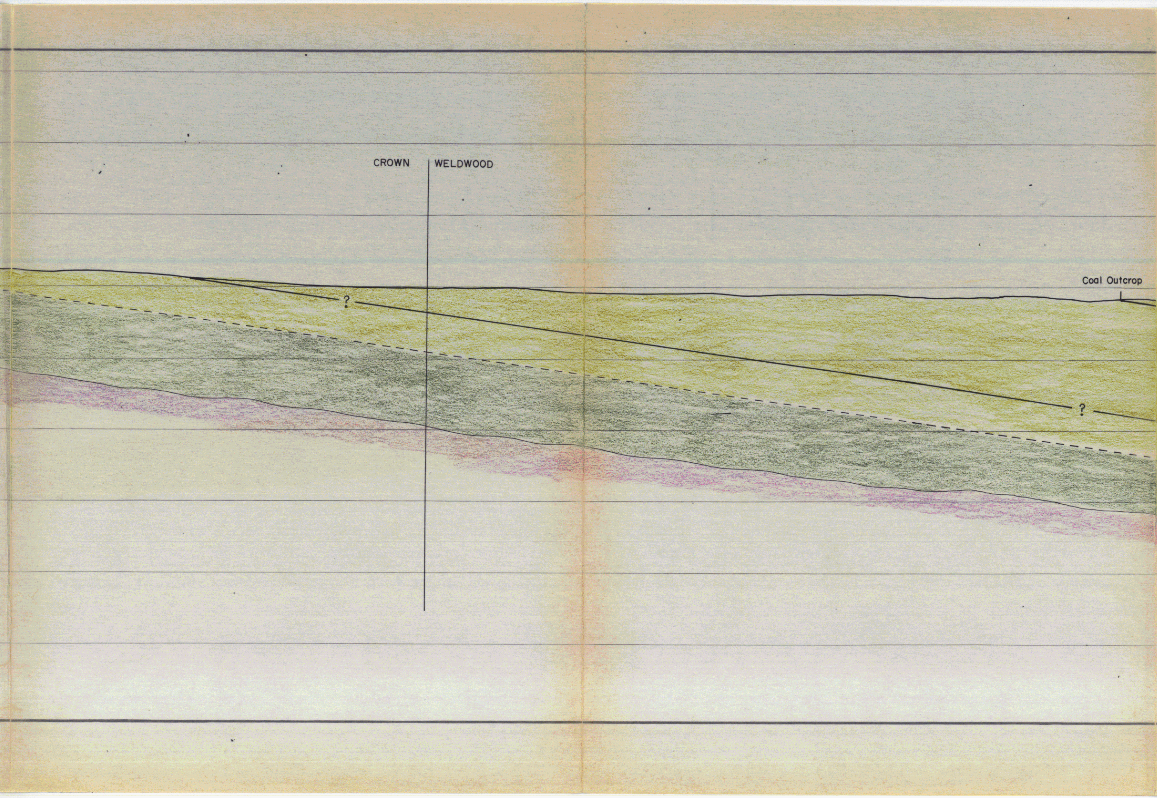
Tsolum River Property

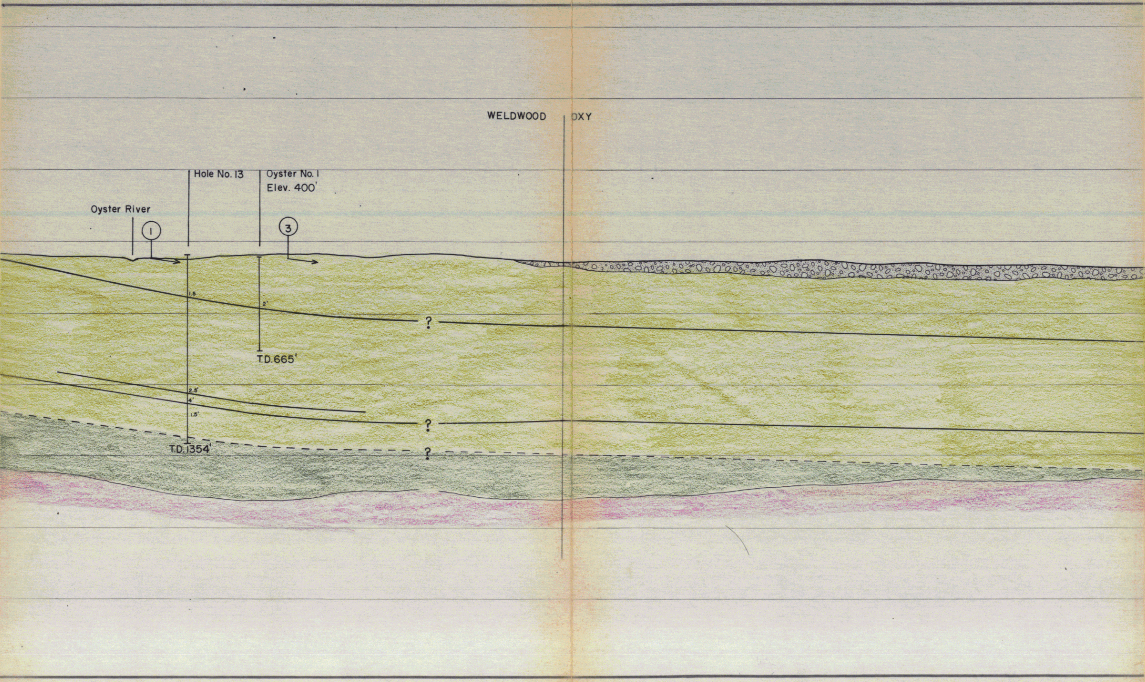
SECTION 8

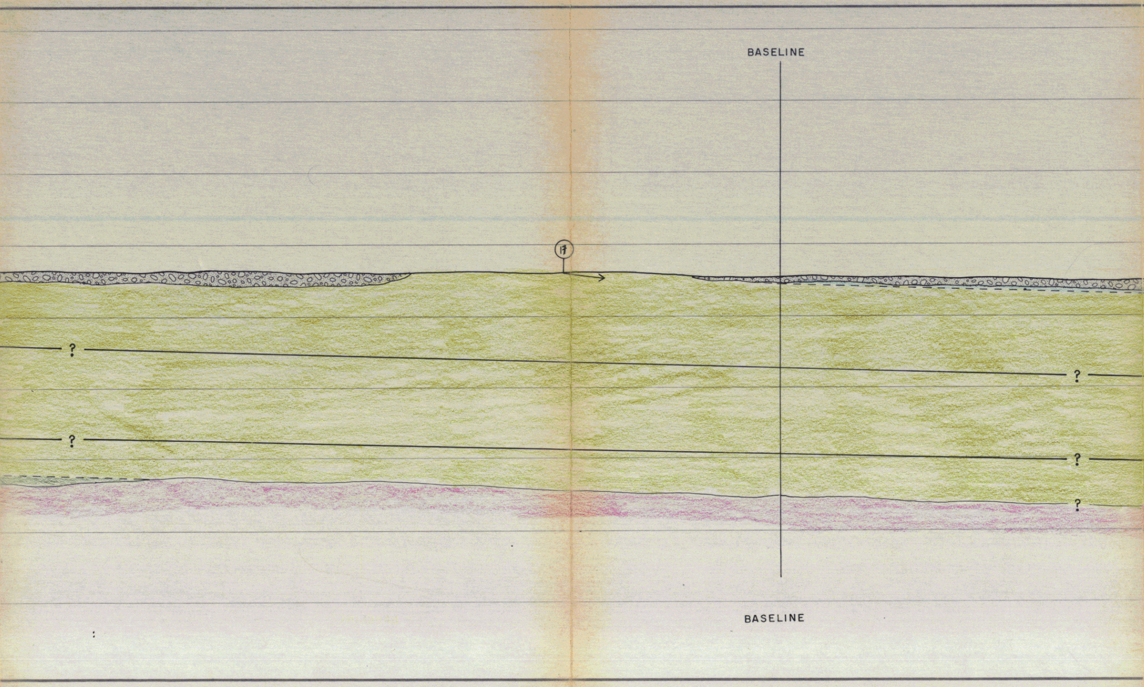
Feet
0 250 500

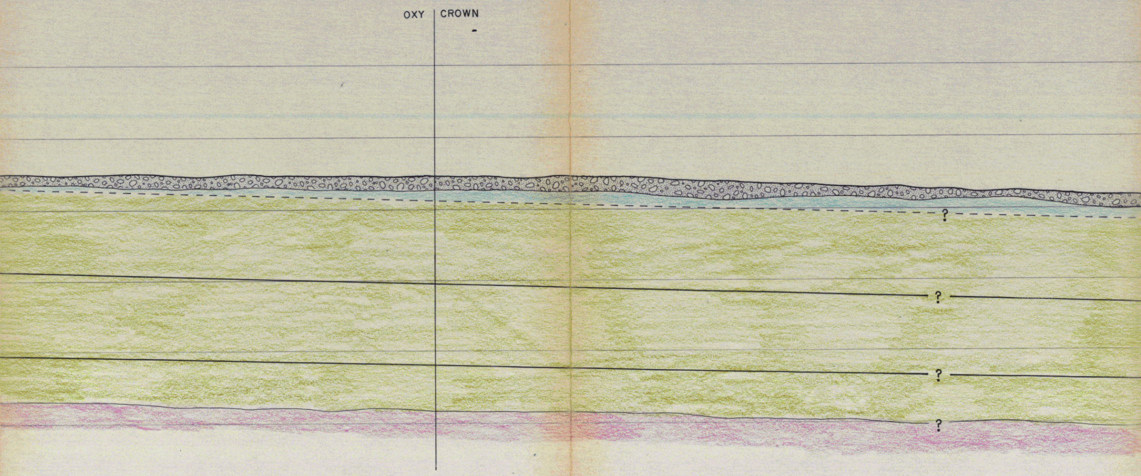
DATE October 1980	N.T.S. NO. 92F/14	COMPILED BY R.A. Swaren	
DRAWING NO.		DRAWN BY L. MacKellar	

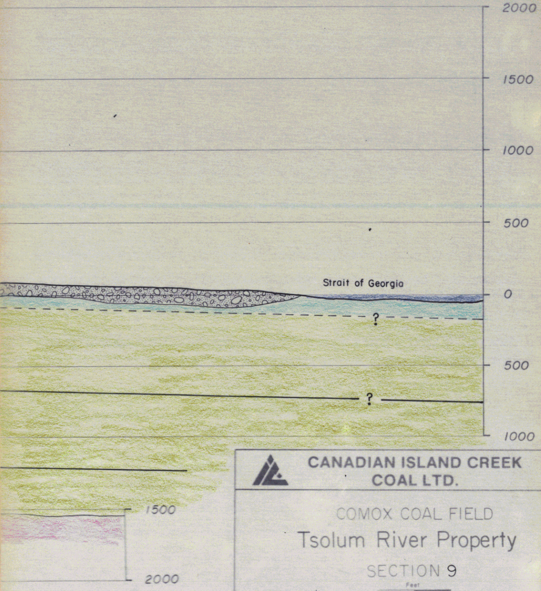

2000
1500
1000
500
0
500
1000
1500
2000


CROWN
WELDWOOD
Coal Outcrop
?
?


WELDWOOD
OXY
Hole No. 13
Oyster No. 1
Elev. 400'
Oyster River
①
③
1.5
2'
T.D. 665'
?
2.5'
4'
1.5'
?
T.D. 1354'
?


BASELINE
17
?
?
?
?
?
BASELINE




2000
1500
1000
500
Strait of Georgia
0
?
500
?
1000
1500
2000

CANADIAN ISLAND CREEK COAL LTD.

COMOX COAL FIELD

Tsolum River Property

SECTION 9

Feet
0 250 500

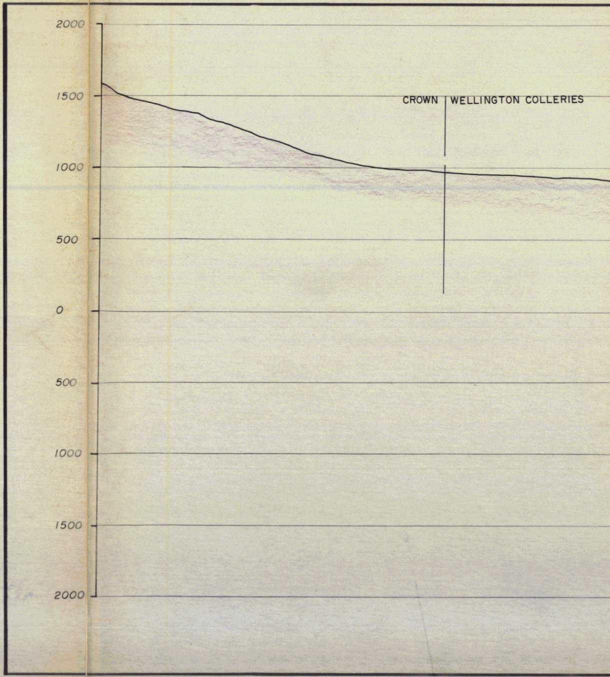
DATE
October 1980

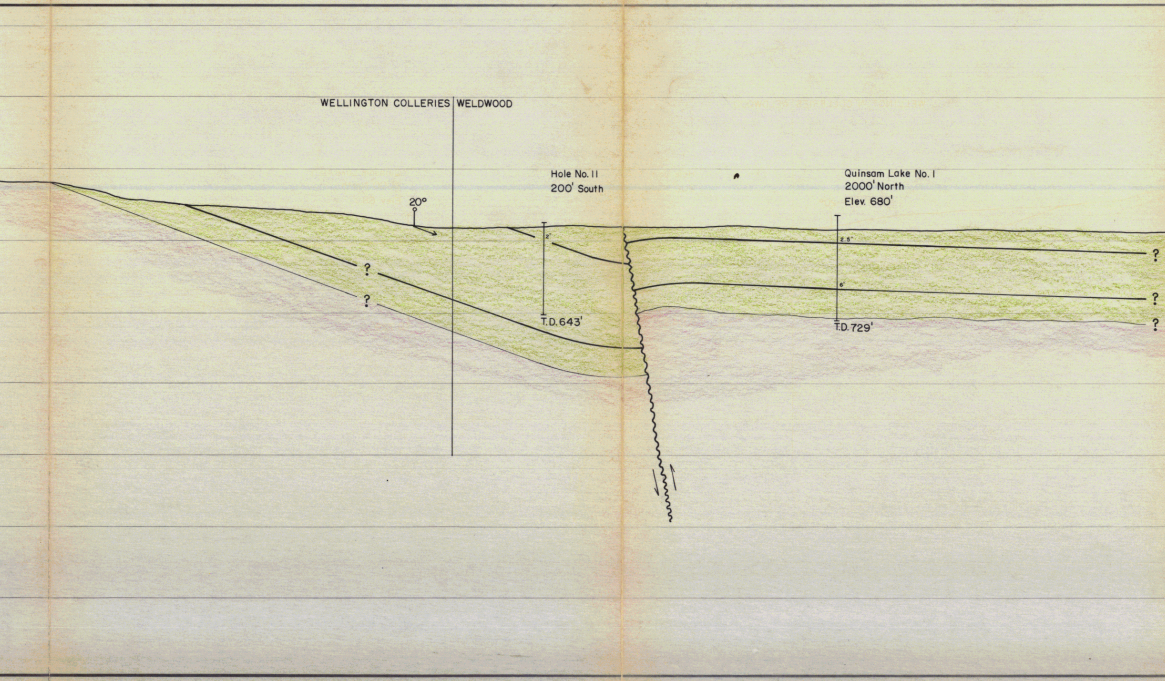
N.T.S. NO.
92F/14

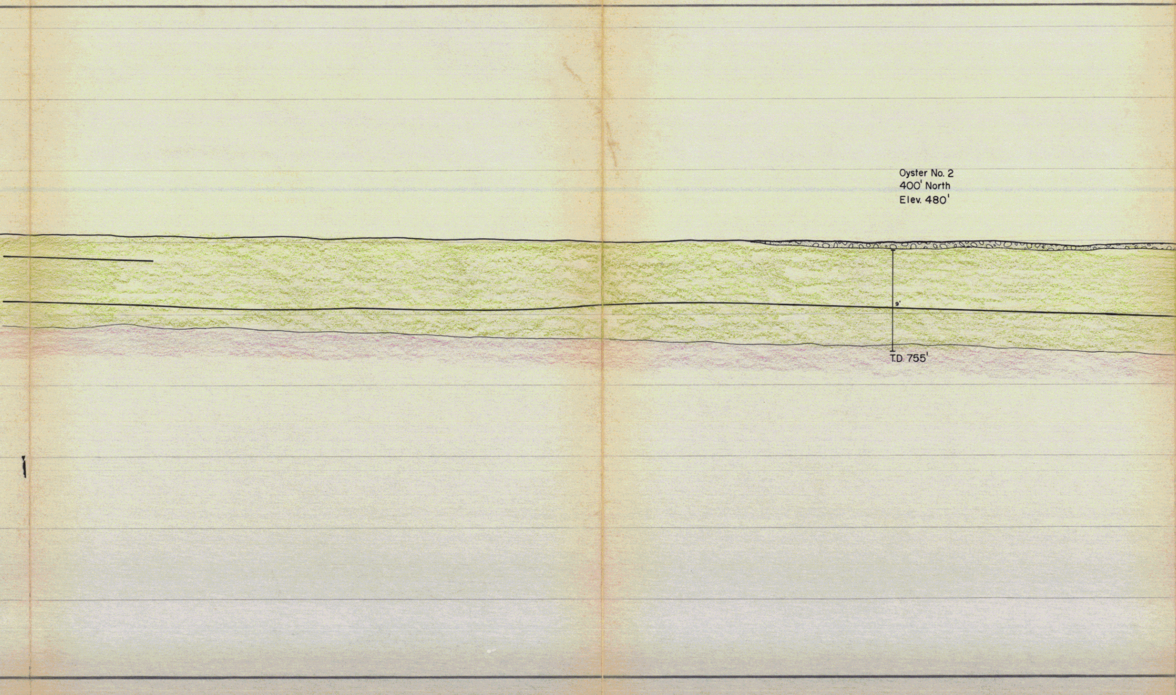
COMPILED BY
R.A. Swaren

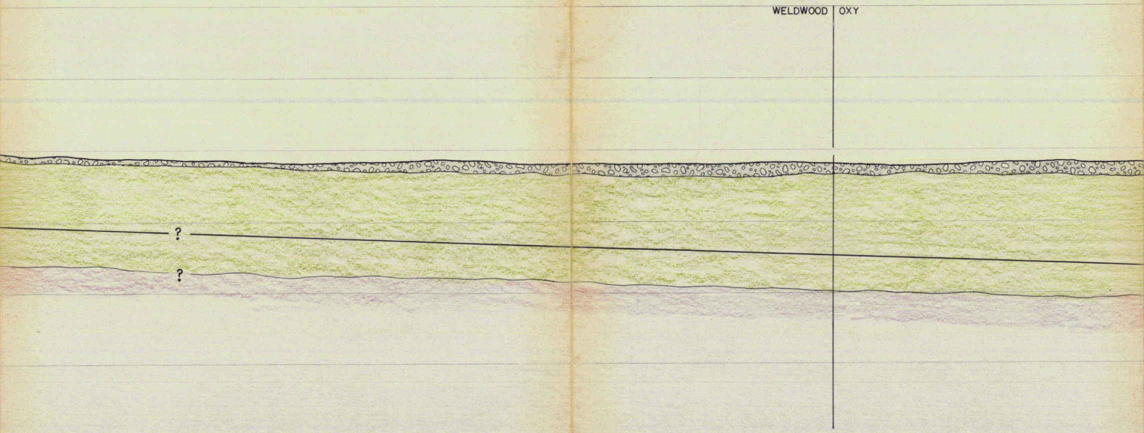
DRAWING NO.

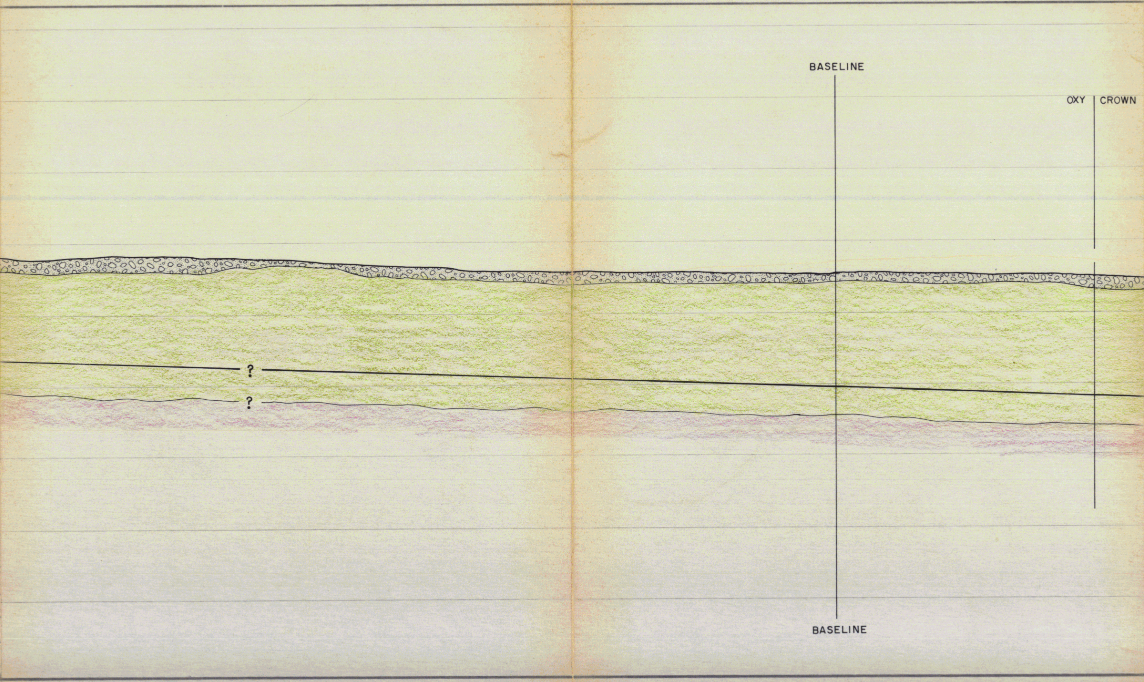
DRAWN BY
L. MacKellar

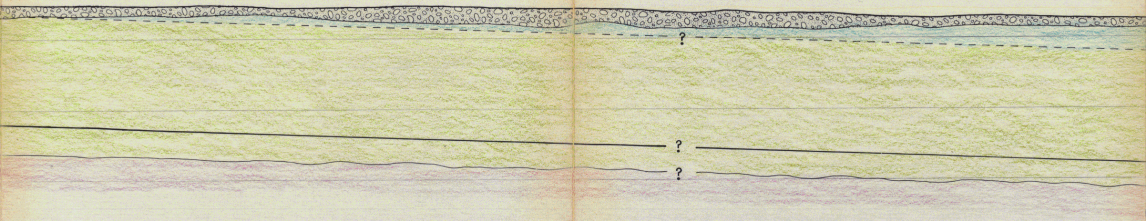

2000
1500
1000
500
0
500
1000
1500
2000
CROWN
WELLINGTON COLLERIES

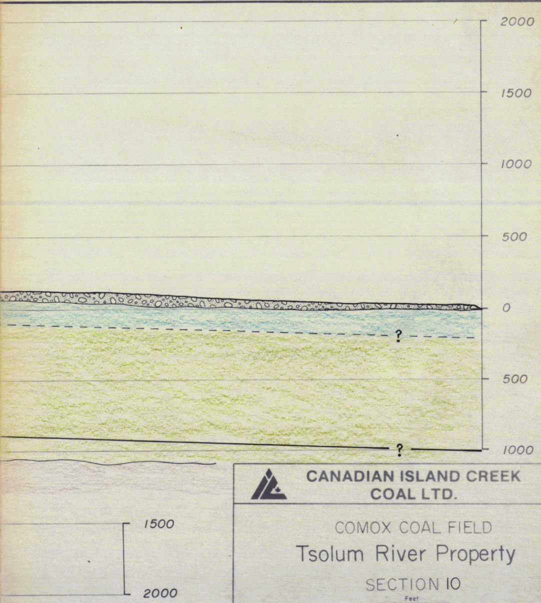

WELLINGTON COLLERIES
WELDWOOD
20°
?
?
Hole No. 11
200' South
2'
T.D. 643'
Quinsam Lake No. 1
2000' North
Elev. 680'
2.5'
6'
T.D. 729'
?
?
?


Oyster No. 2
400' North
Elev. 480'
9'
T.D. 755'


WELDWOOD
OXY
?
?


BASELINE
OXY
CROWN
?
?
BASELINE




2000
1500
1000
500
0
?
500
1000
?
1500
2000

CANADIAN ISLAND CREEK COAL LTD.

COMOX COAL FIELD

Tsolum River Property

SECTION 10

Feet
0 250 500

DATE
October 1980

N.T.S. NO
92F/14

COMPILED BY
R.A. Swaren

DRAWING NO

DRAWN BY
L. MacKellar