14,200 N
14,000 N
13,800 N
13,600 N
13,400 N
13,200 N
13,000 N
12,800 N
12,600 N
12,400 N
12,200 N
12,000 N
11,800 N
11,600 N
11,400 N
10,600 E
10,400 E
10,200 E
10,000 E
9,800 E
APROX. BREAK-THROUGH LINE
OUTCROP
OUTCROP OF COAL
Approx. Location
limit of possible access
PILLARS PULLED
No. 4 COUNTER
No. 3 COUNTER
No. 2 COUNTER
No. 1 COUNTER
No. 4 MAIN
No. 3 MAIN
No. 2 Main
No. 1 Main
No. 1 X-Cut
MAIN COUNTER
MAIN GANGWAY
No. 22 ANGLE
No. 23
No. 24
No. 25
No. 26
No. 27
No. 28
No. 15 RAISE
No. 15 ANGLE RAISE
No. 6 COUNTER
No. 5 COUNTER
No. 1 ANGLE
No. 2 ANGLE
No. 3 COUNTER SOUTH
No. 2 COUNTER SOUTH
LEASE 2959
MINED OUT
CAVED
PARTLY CAVED
EXTENSIVELY MINED PRIOR TO 1946
INACCESSIBLE AS OF MARCH 1950
2ndary ENTRY PORTAL
H.W. SEAM
POSITION UNCERTAIN
A RAISE
B RAISE
MAIN ENTRY
PORTAL
SUB-LEVEL
COUNTER SLOPE
MAIN SLOPE
minor fault
minor fault?
coaly shale horizon
FAULT BLOCK #1
FAULT BLOCK #2
FAULT BLOCK #3
FAULT BLOCK #4
No 9 FAULT
No 13 FAULT
No 16 FAULT
Upper Seam
diamond drill holes position the West seam in this band which may end at No 9 fault.
probable fault extension of west seam
Strike extension of No 9 fault
flat lying fault
Massive conglomerate
Sandstone
Siltstone
coal
rock tunnel
Coal Sporadic
rock slab in coal in upper 3' of coal section
slickensides in top foot of coal
fault

ANVIL MINING CORPORATION LTD.
TANTALUS BUTTE COAL MINE - CARMACKS Y.T.
COMPOSITE PLAN
SCALE 1" = 40'

REVISED DATE	BY	REVISED DATE	BY
JAN. 1971	D.L. COLEY	22 Feb 1973 interpretation	M.W. Milner
JULY 1971	R.D. SCHEER		
NOV. 1971	R.D. SCHEER		
JAN. 1972	R.D. SCHEER		
JUNE 1972	R.D. SCHEER		

position of main seam (9'10" seam of Cairnes (1910))
probable position of coaly shale horizon
probable position of west seam (8'10" of Cairnes 1910)
8 approximate thickness of coal
strike and dip of coal
strike and dip of fault surface
slickensides - likely direction of movement on fault
up and down (apparent) movement
horizontal (apparent) movement

Tantalus butte looking north

8'10"
9'10"
2.6% ash 51.3 FC 31.8 VM
9.8% ash 42.1 FC 31.7 VM
5.9% ash 49.5 FC 31.4 VM
main seam
west seam
position of coaly shale

CAIRNES 1910 SECTION

rock blade
doubling of coal
ie

ground upward
good coal unground
rock block
fault zone

Doug
The bend may suggest something funny coming up. The slickensides could be real to mean a bedding plane fault in the coal or a northeast trending cross fault.
a couple of rounds more on the main gangway and on main counter will tell

I don't think the pinching and swelling will have any useful pattern here, it seems to be a random 10-15' except possibly between No 27-28 raises where it may be a bedding plane fault thickening ie

Doug
No 16 Fault zone appears to be a fairly wide zone and there is a conflict of direction. The one that counts is the line of end of coal in upper workings.

Doug the faults are not planes but wobbly surfaces. Hence my measurements are only an indication of direction

rock face
my measurement
the measurement taken from the coal rock faces at two points ① and ② The fact that it meets obvious faulting in the coal at the end of the exploration tunnel supports the interpretation
Main Seam
78
Coaly shale
No 9 FAULT
412
729
No 2 counter

Doug.
The tunnel appears to leave the seam and go into the footwall for 50'. The lower seam (7') should be 60 feet or so (at -30°) further on, a light portable drill here would tell you what was up in about 2 days.

The drill core log from DDH No 1-72 should be studied at about 110'± for the signs of faulting expected in No 9 Fault and the log from DD2-72 should be examined for the last 50' or so to see the nature of the rock not visible in the tunnel because of the fault.
Together these logs would give a detail stratigraphic section from Main Seam (Cairnes 9'10") to upper seam (Cairnes 8'10")

Doug
If you would like I could look at the core give a detailed log for you.
I could bring the core down to town to our heated core storage area where it could be stored either temporarily or permanently in a secure or public position. You could have it back at any time if you wanted it.
It will have some scientific value long after the coal is mined out at Tantalus Butte mine

Is there any chance of digging up old drill records there is an old drill hole in footwall (DD2 I suppose) of coaly shale near M 20

Doug.
The 2ndary Entry portal on H.W. Seam I think must be the coaly shale seen 50' in the exploration tunnel and in the "rock tunnels" of Peter Klacquebord
I spoke to someone, either Klacquebord or Cinder and the consensus seemed to think the coal in the "other" portal was very dirty. This would fit.

2
480
480
180
1140

480
250
730

1
480
480
110
1070

TANTALUS BUTTE MINE
COMPOSITE PLAN
·YUKON COAL CO. LTD.

	BY	DATE	SCALE: 1" = 40'
DRAWN	RAAS	MAY 1967	
REVISED	RAAS	DEC. 1967	DWG. No. 171