

PR-PINEPASS 57 (5)A.

REPORT ON SAMPLING
SEASONS 576 AND 75, PINE
AND SILVER.

OPEN FILE

U.S. GEOLOGICAL SURVEY 1957

581

OPEN FILE

Report on Sampling Coal Seams 76 and 78
Pine River, September 1957.

SEAM 76

The sample from Seam 76 was taken from an exposure shown on the Noman Creek map of Bulletin No. 36 as in Section E-F immediately west of D.D.H. P.R. 18. Here the seam was exposed by a cross-trench in 1948. Overburden in the immediate vicinity consists of three feet and more of clayey glacial gravels and sands.

Preparation for taking the sample was made by stripping the surface material down to the weathered upper surface of the coal for about 100 feet northwest of the original trench. The surface material was bulldozed off, and the bottom of the original trench was then deepened to the floor of the seam, a depth in coal of about 6 feet. The trench was then widened by bulldozing off the northerly side until hard, fresh-appearing coal was found. This coal first appeared near the floor of the seam and increased in thickness as the trench was widened on the northerly side, into the hill. Lump and slack coal alike was pushed over the side of the hill until the cut was advanced about ten feet from the original trench at the floor and about twenty feet at the top of the hard coal. The surface of the hard coal then was cleaned of weathered material by the bulldozer. Cuts were then made into the hard coal by the bulldozer. As the cuts advanced, caving weathered material from the upper part of the seam was pushed over the hill. The seam here is about 20 feet thick and the sample represents the lower half to two-thirds of the total thickness.

The coal was considerably fractured by a fault that was exposed during the sampling and so broke up before the blade more than it normally would have done.

The 130 pound sacked sample sent to Ottawa was from near the end of the sampling cut, about thirty feet into the hill from the original cross-trench and at least as much from the original surface of the ground.

A sample from drill hole P.R. 10, southeast of the pit, at 100 feet depth, was found to have agglomerating qualities and one from hole P.R. 22, northwest of the pit at 300 feet depth was found to have coking properties. These depths given are vertical coal below surface.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

The writer believes that the coal obtained for the

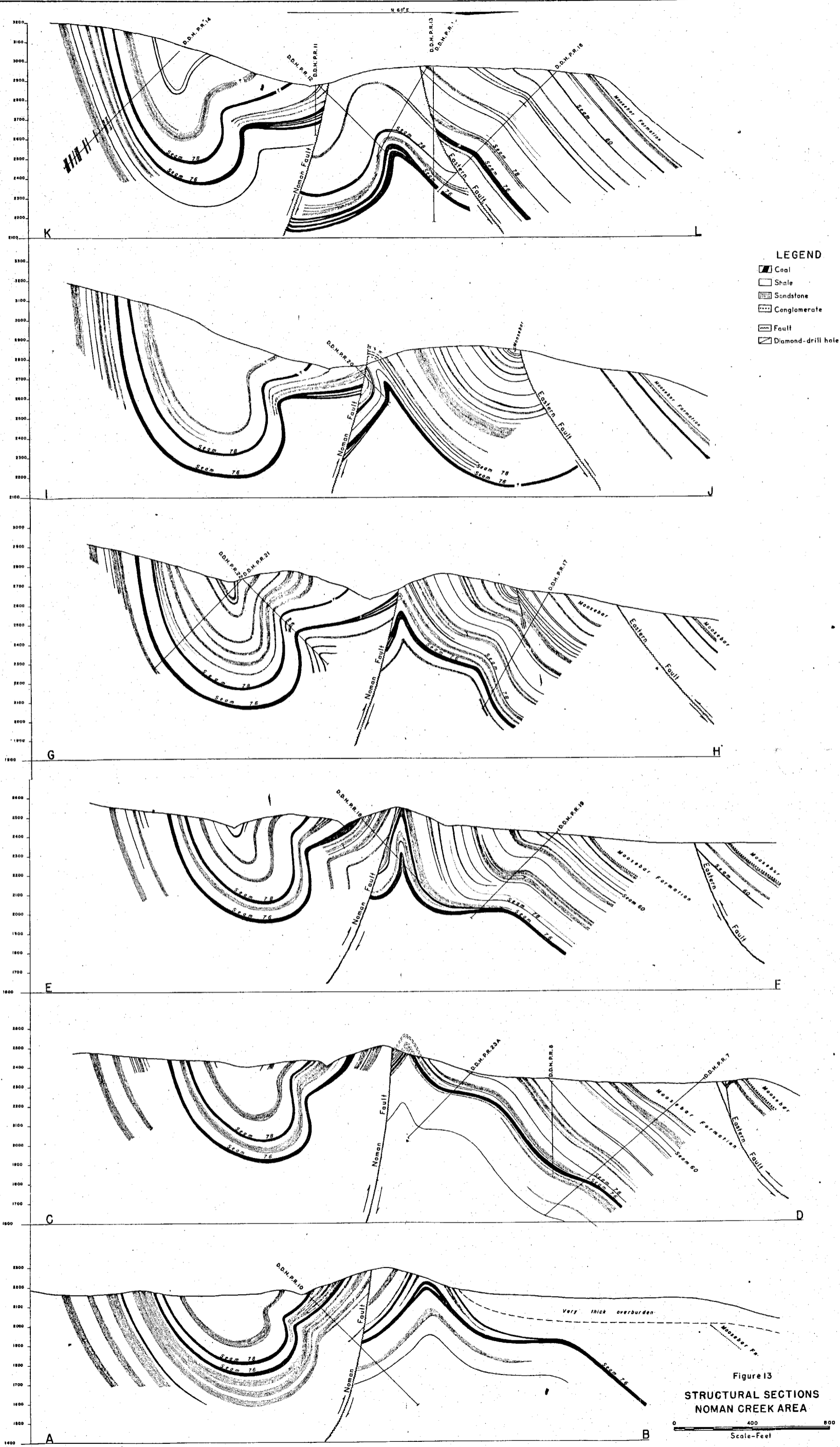
00 581

130 lb. sample sent to Ottawa was as fresh as could be hoped for from surface stripping operations in this seam.

SEAM 78

One truckload, near 12 tons, was taken from Seam 78. The coal was found to be badly shattered, apparently due to abortive attempts to blast it, and so probably weathered to depths beyond reach of a bulldozer. It is unlikely to be of as good quality as that from Seam 76. It is probable that the coal from Seam 78 is now in Squamish. As soon as we have notice of its arrival we shall obtain a sample.

N.D. McKechnie,
Department of Mines,
Victoria, B.C.,
October 23, 1957.



LEGEND

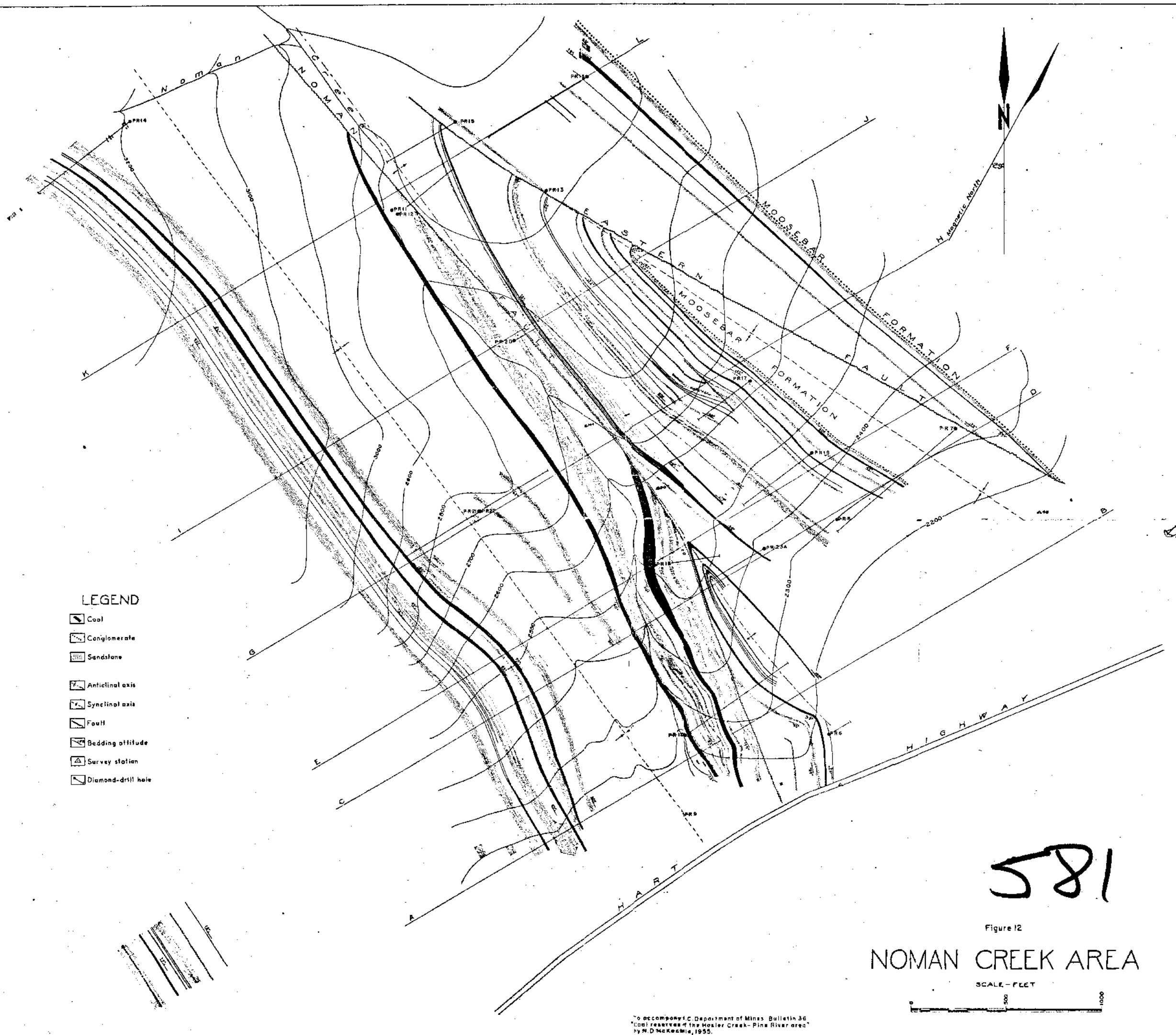
- Coal
- Shale
- Sandstone
- Conglomerate
- Fault
- Diamond-drill hole

Figure 13
**STRUCTURAL SECTIONS
 NOMAN CREEK AREA**

0 400 800
 Scale-Feet

To accompany B.C. Department of Mines Bulletin 36,
 "Coal reserves of the Hasler Creek-Pine River area"
 by N.D. McKechnie, 1955

1855



Bull. 36

581

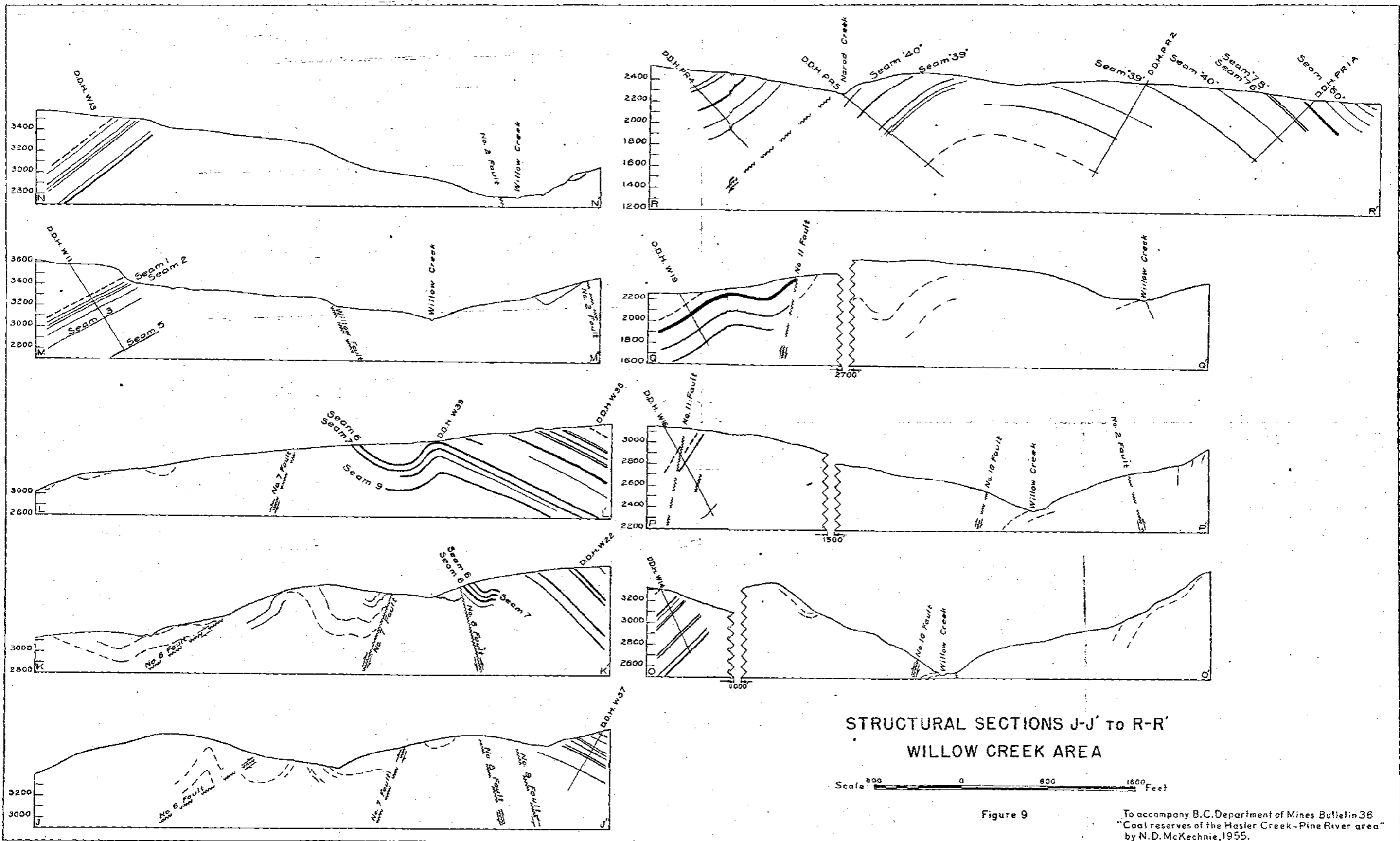
Figure 12

NOMAN CREEK AREA

SCALE - FEET



To accompany U.S. Department of Mines Bulletin 36
 "Coal reserves of the Mosler Creek-Pine River area"
 by N. D. McKee, 1955.



STRUCTURAL SECTIONS J-J' to R-R'
WILLOW CREEK AREA

Scale 0 800 1600 Feet

Figure 9

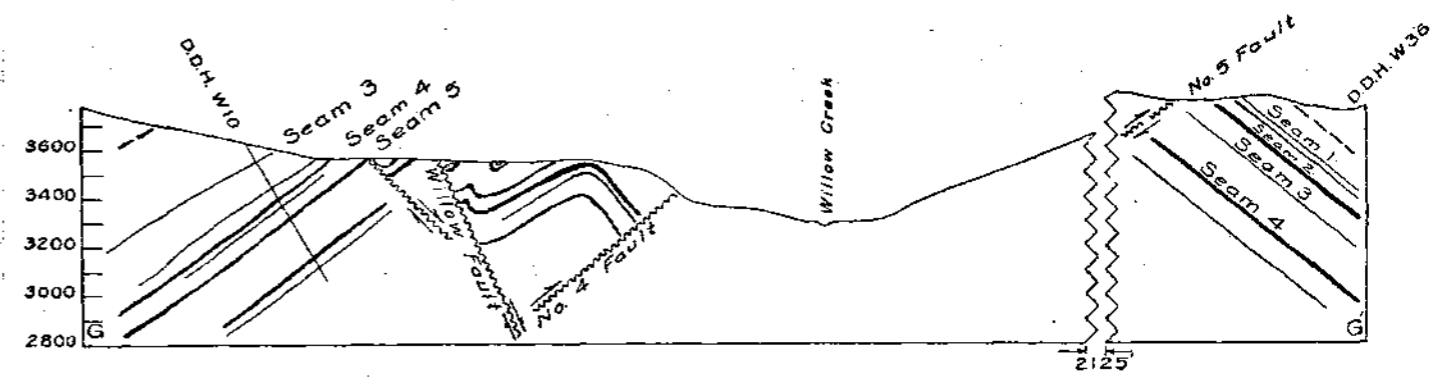
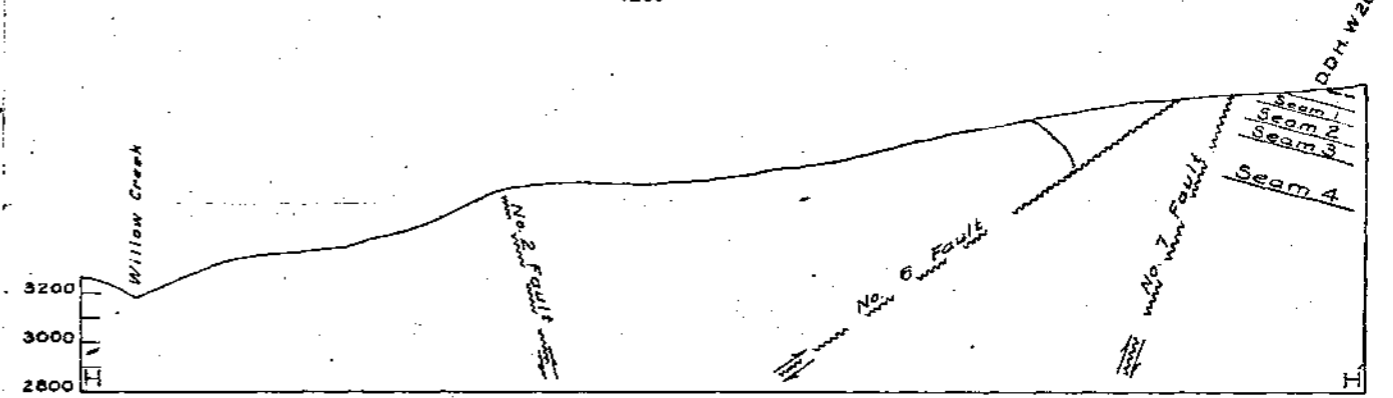
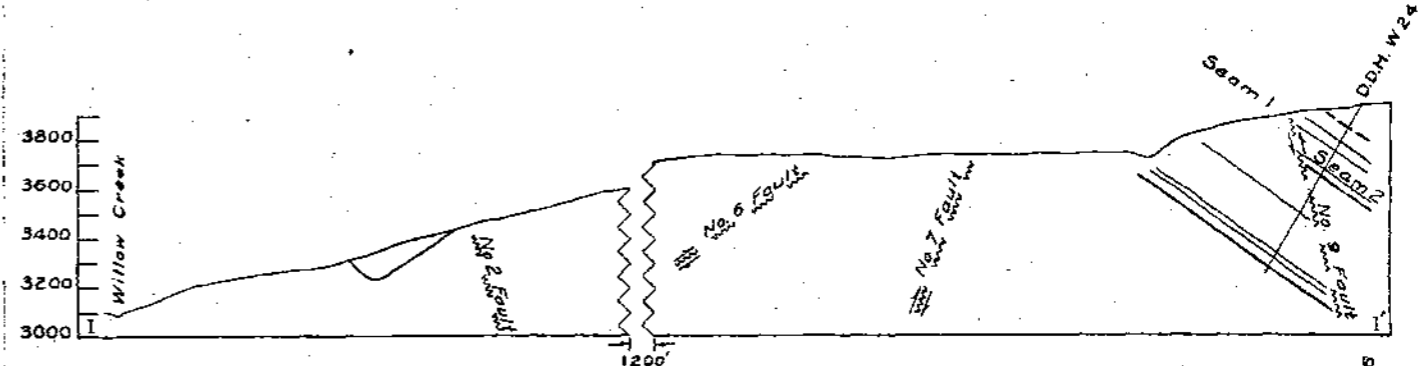
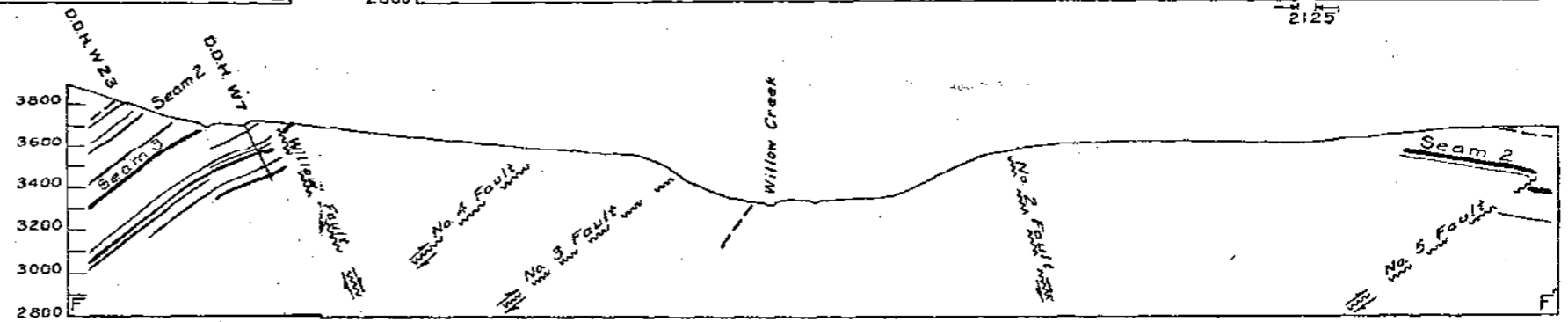
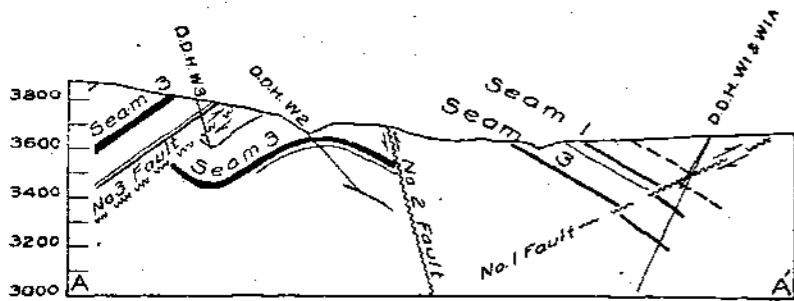
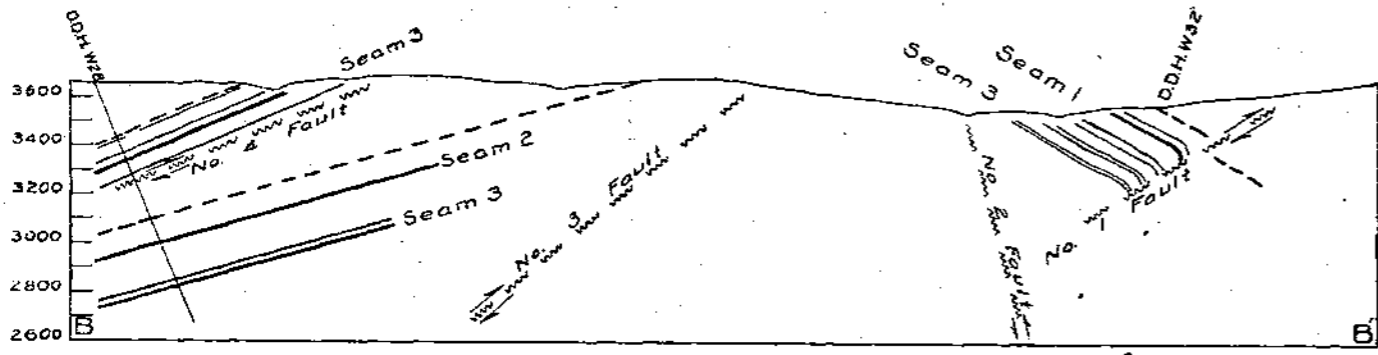
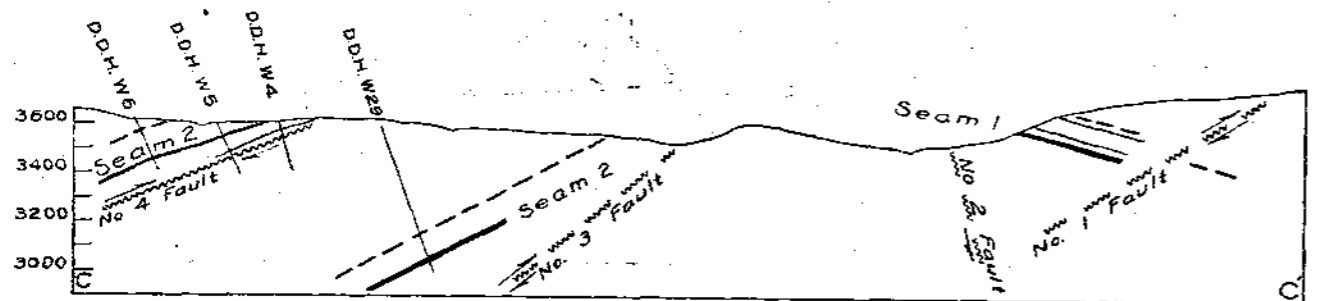
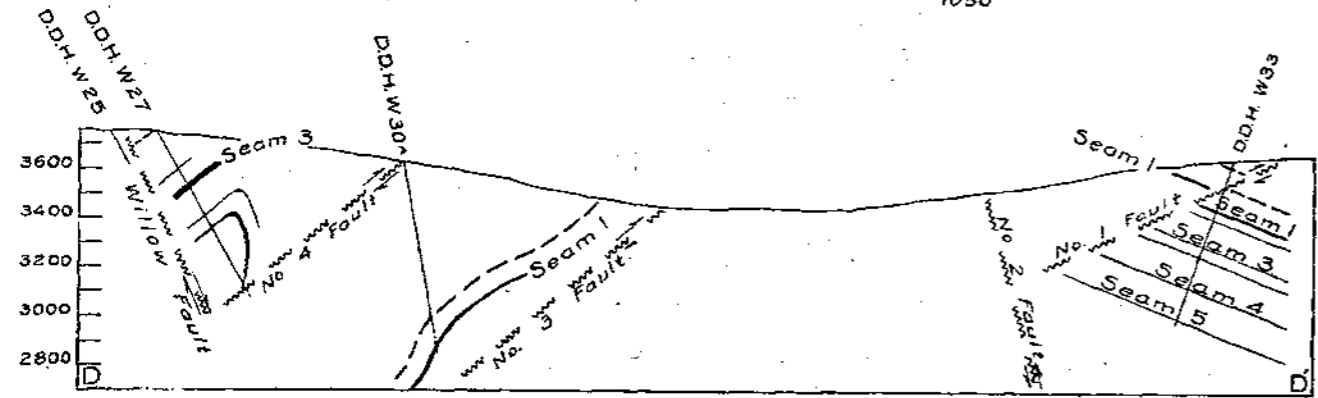
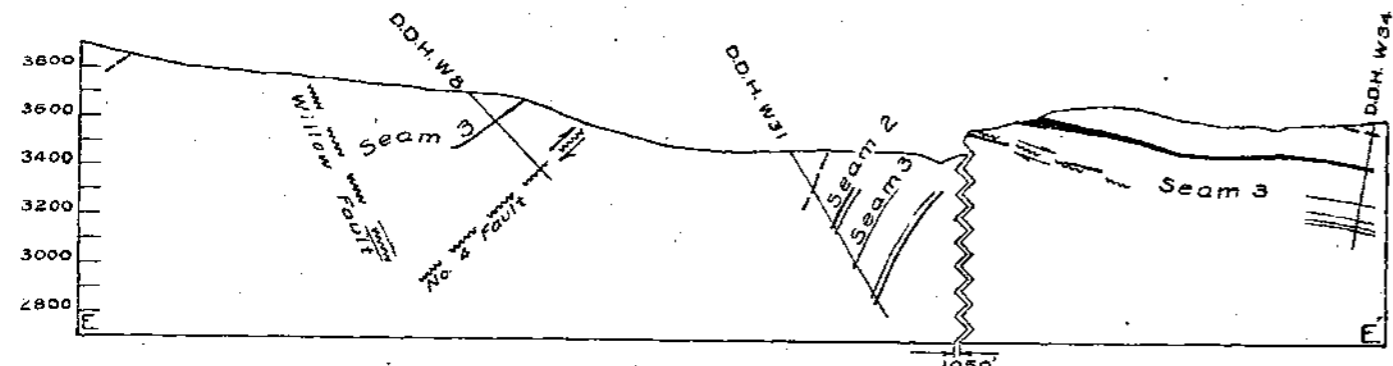
To accompany B.C. Department of Mines Bulletin 36
"Coal reserves of the Hasler Creek - Pine River area"
by N.D. McKechnie, 1955.

581

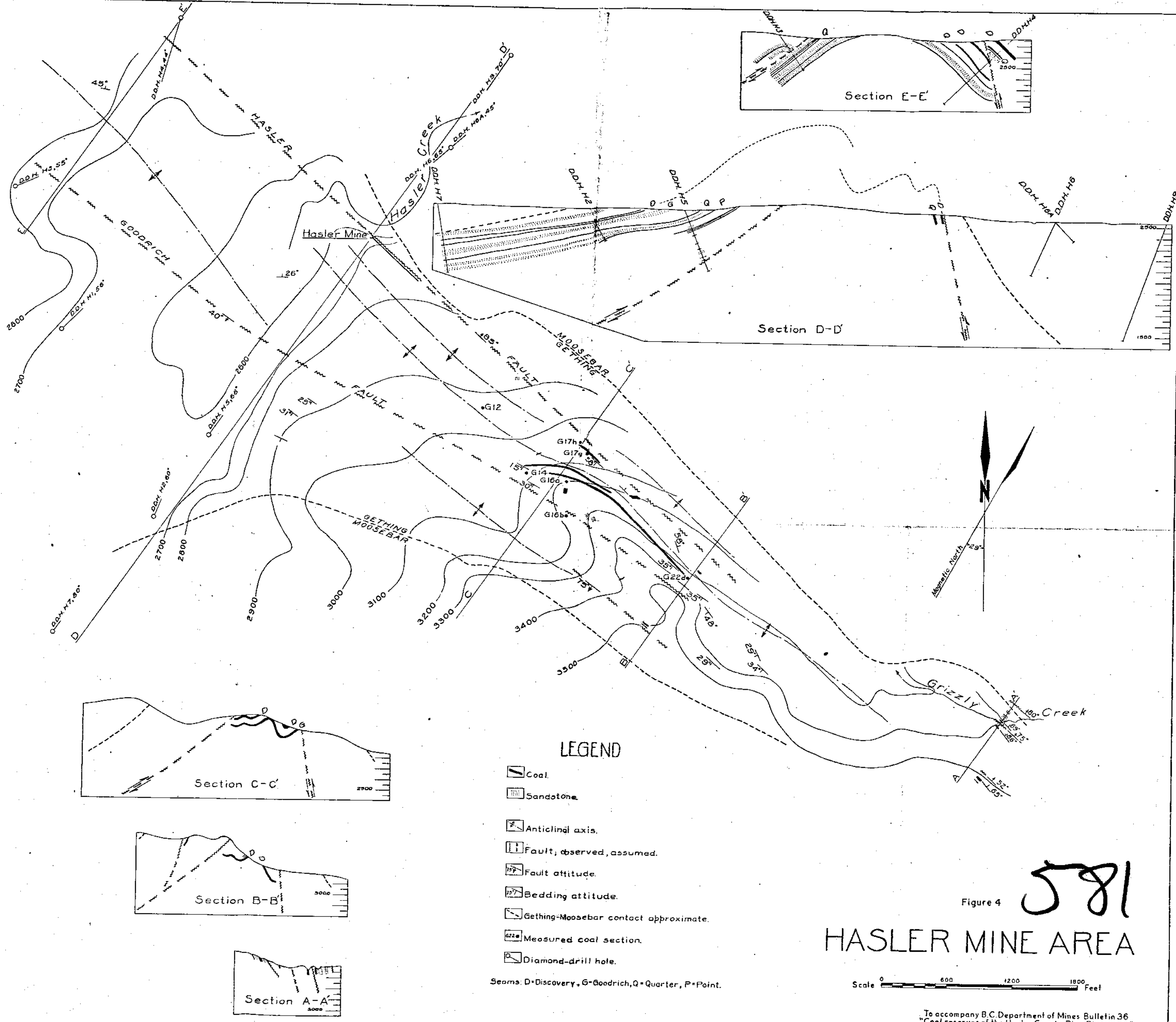
Figure 8

STRUCTURAL SECTIONS A-A' TO I-I'
 WILLOW CREEK AREA

Scale 800 0 800 1600 Feet



581



LEGEND

- Coal.
- Sandstone.
- Anticlinal axis.
- Fault, observed, assumed.
- Fault attitude.
- Bedding attitude.
- Gething-Moosebar contact approximate.
- Measured coal section.
- Diamond-drill hole.

Seams: D=Discovery, G=Goodrich, Q=Quarter, P=Point.

Scale 0 600 1200 1800 Feet

581
Figure 4
HASLER MINE AREA

To accompany B.C. Department of Mines Bulletin 36.
"Coal reserves of the Hasler Creek - Pine River area"
by N.D. McKechnie, 1955.