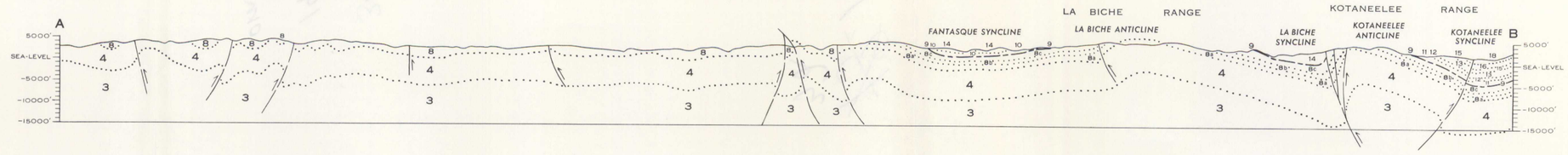
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



SECTIONS ALONG LINES A-B AND C-D

PRELIMINARY SERIES

SHEET 95C

LEGEND

Map-units 3 to 9, 11 to 20 and 22 appear on Map 31-1959, "Fort Liard"

Map-units 1 to 4, 6 to 16, 18 and 21 appear on Map 32-1959, "La Biche"

CENOZOIC

PLEISTOCENE AND RECENT

22 Alluvial sands and silts of Liard River

CRETACEOUS OR LATER

21 Lithology unknown

MESOZOIC

CRETACEOUS
UPPER CRETACEOUS

20 WAPITI FORMATION: banded sandstone, thin coal

19 KOTANEELEE FORMATION: dark grey, concretionary shale, mudstone, grey sandstone

18 FORT NELSON FORMATION: carbonaceous, sandstone and pebble-conglomerate, dark grey shale, siltstone

LOWER CRETACEOUS
FORT ST. JOHN GROUP (10-16)
SIKANNI FORMATION (15-16)

16 Dark grey, concretionary shale, gypsiferous in part

15 Greenish grey sandstone, siltstone, shale

17 FORT ST. JOHN GROUP: undivided

BUCKINGHORSE FORMATION (10-13)

13 Concretionary and rusty weathering shale

12 Greenish-grey sandstone

11 Concretionary and rusty weathering shale, pebble-conglomerate and grey sandstone

10 Dark grey shales; unknown recessive lithology

14 BUCKINGHORSE FORMATION: undivided

PALAEOZOIC

PERMIAN (?)

9 Thick grey chert, grey sandstone, mudstone
~9~ on section only

PERMIAN AND CARBONIFEROUS

8 MATTSON FORMATION: sandstone, shale, limestone (may include map-unit 9); 8a, lower part; grey sandstone, coal; 8b, middle part; grey to brown sandstone; 8c, upper part; grey sandstone, fossiliferous sandstone, shale

MISSISSIPPIAN

7 Grey, fossiliferous limestone, grey shale, thin grey sandstone

6 Black shale, thin limestone

5 Brown weathering sandstone, siltstone, shale

MISSISSIPPIAN AND DEVONIAN

4 Dark grey shale; sandstone; 4a, may include equivalents of Nahanni Formation, and map-units 5 to 7

DEVONIAN
MIDDLE DEVONIAN AND EARLIER

3 Grey banded dolomite, granular, porous dolomite, coralliferous limestone (includes Nahanni Formation)

2 Boulder conglomerate
~2~ on section only

PROTEROZOIC (?)

1 Green, laminated argillite

Rock outcrop
Geological boundary (approximate, assumed)
Bedding, measured (horizontal, inclined, vertical)
Bedding, estimated (horizontal, inclined, vertical)
Thrust fault (approximate)
Normal fault
Anticline (arrow shows direction of plunge)
Syncline (arrow shows direction of plunge)

Geology by W.B. Brady, R.J.W. Douglas, P. Harker, D.F. Stott, 1957

Compiled by R.J.W. Douglas, 1959

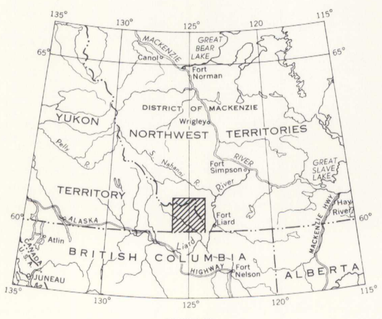
Provincial boundary
Intermittent stream
Marsh
Contours (interval 1000 feet)
Height above mean sea-level 4366

Cartography by the Geological Survey of Canada, 1959

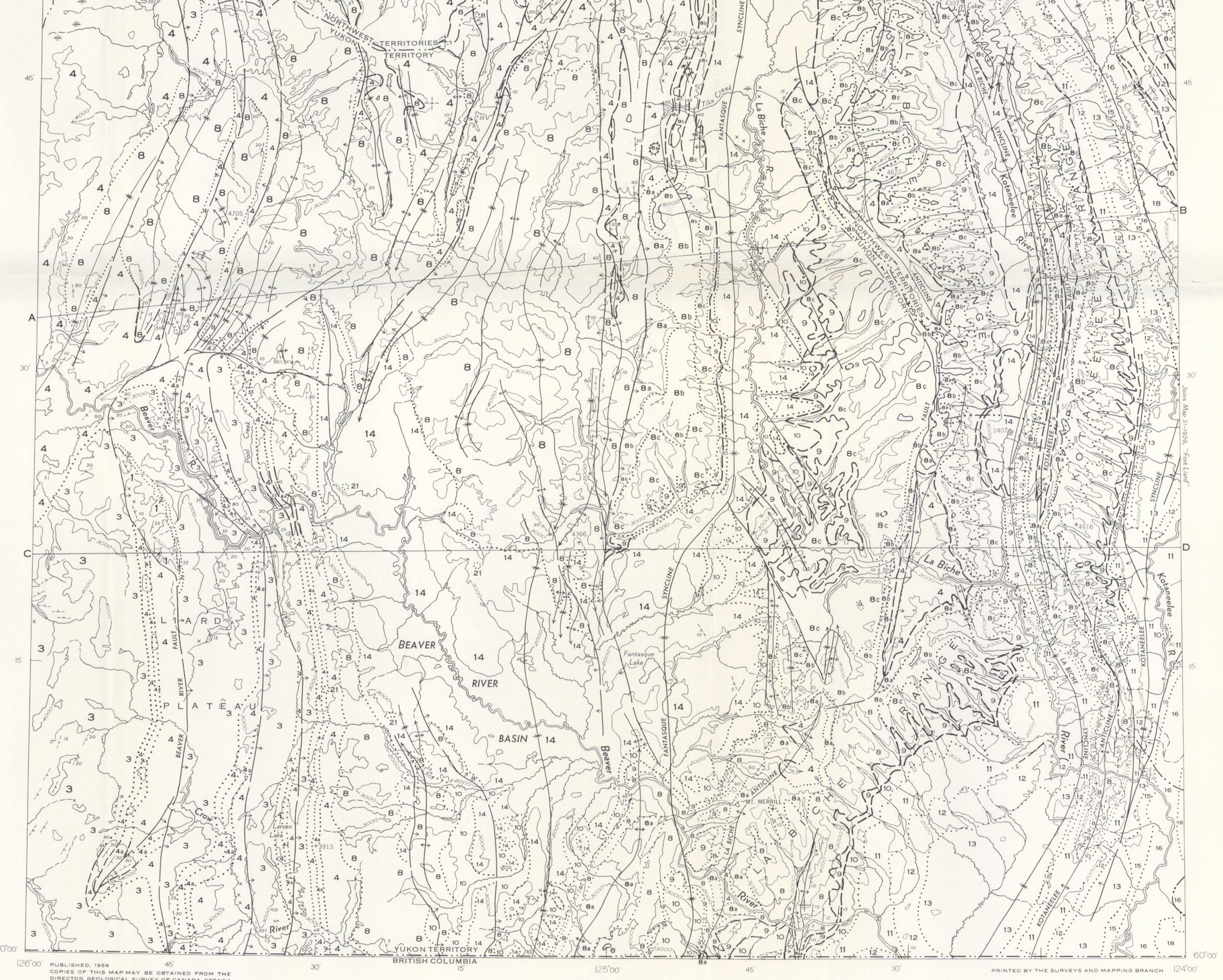
Approximate magnetic declination, 33° 14' East

Air photographs covering this area may be obtained through the National Air Photographic Library, Topographical Survey, Ottawa, Ontario

In response to public demand for earlier publication, Preliminary Series maps are now being issued in this simplified form, thereby effecting a substantial saving in time. There is no loss of information, but the maps will be clearer to read if all or some of the map-units are hand-coloured.



INDEX MAP



PUBLISHED, 1959
COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

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MAP 32-1959
GEOLOGY
TO ACCOMPANY PAPER 59-6

LA BICHE

DISTRICT OF MACKENZIE
NORTHWEST TERRITORIES

Scale: One Inch to Four Miles = 1/253,440

Miles
4 2 0 4 8 12

Geographical names subject to revision

MAP 32-1959
LA BICHE
NORTHWEST TERRITORII
SHEET 95C