

**LEGEND**

**CRETACEOUS**

**UPPER CRETACEOUS**

**BRAZEAU FORMATION:** sandstone, shale, volcanic ash, a few thin coal seams

**WAPIABI FORMATION (Upper Part, transitional into Brazeau):** black marine shale, sandstone, ironstone, chert pebble-conglomerate

**WAPIABI FORMATION (Lower Part):** black marine shale, sandy shale, ironstone

**BIGHORN FORMATION:** quartzitic sandstone, black marine shale, conglomerate

**BLACKSTONE FORMATION:** chiefly black marine shale, grey quartzitic sandstone, sandy shale

**LOWER CRETACEOUS**

**MOUNTAIN PARK FORMATION:** olive green and brown weathering grey sandy shale and sandstone

**LUSCAR FORMATION:** black and grey carbonaceous shale, grey sandstone, coal seams

**CADOMIN FORMATION:** chert and quartzite pebble-conglomerate

**NIKANASSIN FORMATION:** alternating black shale and grey sandstone, a few thin coal seams

**JURASSIC**

**FERNE FORMATION:** alternating sandstone and sandy shale, ferruginous limestone, black fissile shale, phosphatic limestone

**TRIASSIC**

**5** **SPRAY RIVER FORMATION:** thin-bedded, fine-grained arenaceous shale and quartzite; buff and red-weathering limestone (In Structure Sections only)

**CARBONIFEROUS**

**PENNSYLVANIAN**

**4** **ROCKY MOUNTAIN FORMATION:** quartzite, chert (In Structure Sections only)

**MISSISSIPPIAN AND PENNSYLVANIAN**

**RUNDLE FORMATION:** granular, rubbly and porous limestone, chert

**BANFF FORMATION:** calcareous and arenaceous shale, shaly and cherty limestone

**DEVONIAN**

**Hard, blue-grey limestone, grey, calcareous shale**

Bedding (inclined, overturned) .....

Fault .....

Anticlinal axis .....

Synclinal axis .....

Coal seam .....

Coal mine adit .....

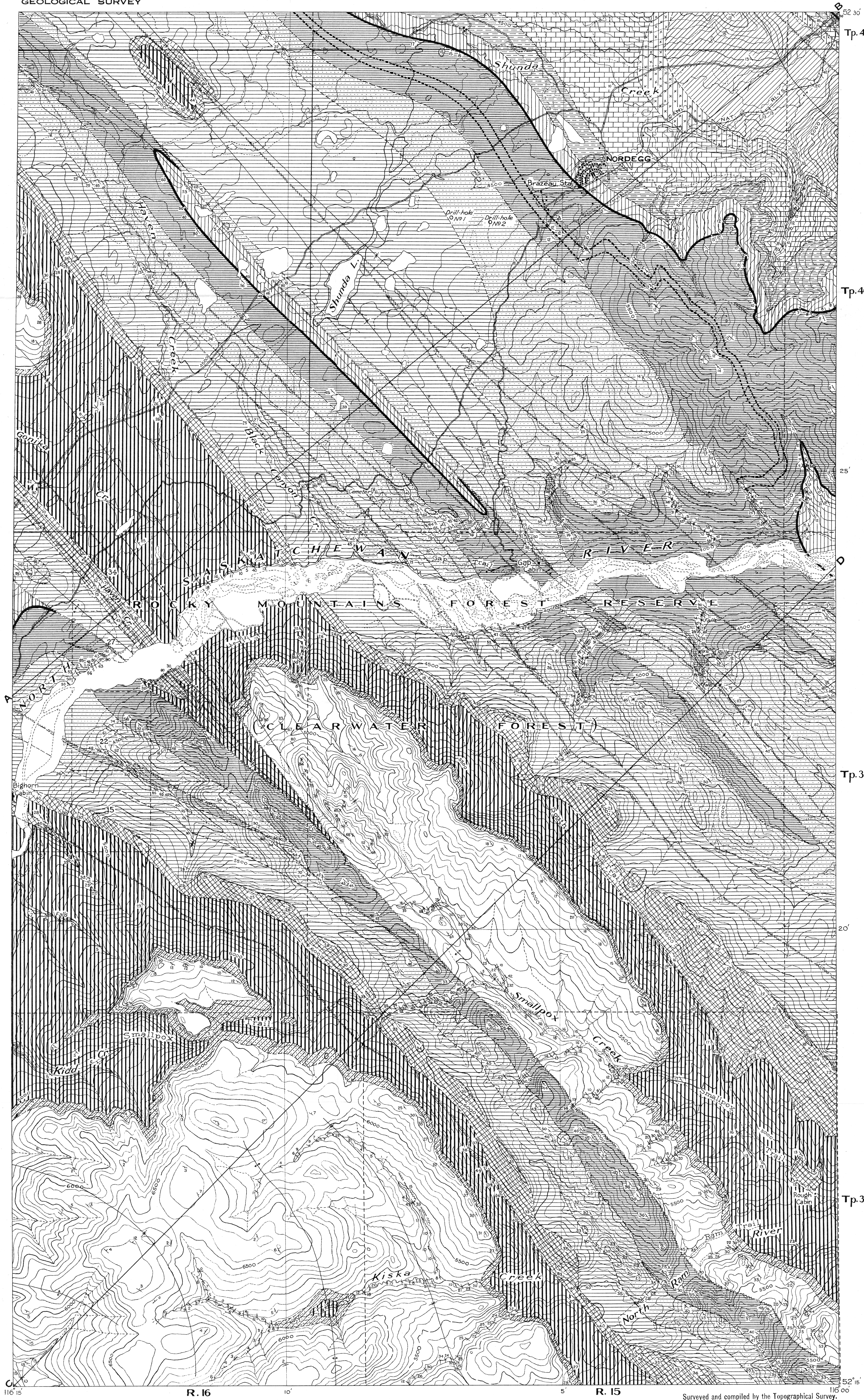
Geology by B. R. MacKay, 1940

NOTE: - The broad valley of Saskatchewan River is heavily flooded with silt, sand, and gravel. The positions of geological boundaries, and faults within this part of the map-area are uncertain.

Road, well travelled .....

Road, not well travelled .....

Trail .....



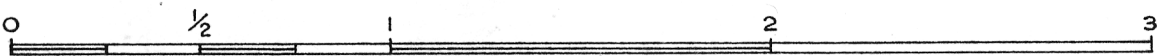
PRELIMINARY MAP 41-4

**BRAZEAU**

WEST OF FIFTH MERIDIAN

**ALBERTA**

Scale: 2 inches to 1 mile or 2.64 FT to 1" or 1/2 mile to 1 inch



Surveyed and compiled by the Topographical Survey,  
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