QUATERNARY

RECENT

E	Eolian deposits: sand and silt
Atd	Alluvial terraces: gravel, sand and silt
AS	Alluvial fans: gravel and sand

PLEISTOCENE

GLACIOLACUSTRINE

LG	Lacustrine deposits: sand, silt and clay

GLACIOFLUVIAL

Proglacial deposits

AGSt	Valley train (high alluvial terrace) deposits: gravel, sand and silt
AGS	Marginal stream deposits: gravel and sand
AG	Outwash deposits: gravel and sand

Ice-contact deposits

AGK	Kame deposits: gravel, sand and silt
AGE	Esker deposits: gravel and sand

GLACIAL

Th	Hummocky moraine: till with sporadic lenses of gravel, sand and silt
Tr	Ground moraine: till with sporadic lenses of gravel, sand and silt

Th/6 * should read Tr/6

TERTIARY

Upper Tertiary

PA	Preglacial alluvium: gravel, sand

LITHOLOGIC TYPES

1	Sandstone, siltstone and shale (bedrock)
2	Gravel
3	Sand and gravel
4	Sand and silt
5	Silt and clay
6	Till

Geological boundary: defined, assumed

Distribution of irrigated districts

LEGEND

River or stream

Intermittent river or stream

Lake

Intermittent lake

Road, hard surface, all weather

Railway

Township boundary

Section line

Sources of Information

Surficial geology, High River, Alberta, by A. Mac S. Stalker. Geological Survey of Canada Map No. 14 - 1957.

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Surficial geology, Lethbridge, Alberta, by A. Mac S. Stalker. Geological Survey of Canada Map No. 41 - 1962.

Surficial geology, Bassano, Alberta, by A. Mac S. Stalker. Geological Survey of Canada Map No. 5 - 1965.

Surficial geology map of the Vauxhall District, Alberta, by L.A. Bayrock and J.F. Jones. Alberta Research Council Preliminary Report 63-2.

Compiled by I. Shetsen

SCALE 1:250,000

Miles 5 0 5 10 15 20 Miles

Kilometres 5 0 5 10 15 20 25 30 Kilometres

FIGURE 4.

SURFICIAL GEOLOGY

LETHBRIDGE

ALBERTA

NTS 82 H, 82 I

Cartography by A.R.C. Drafting Services

Published 1981