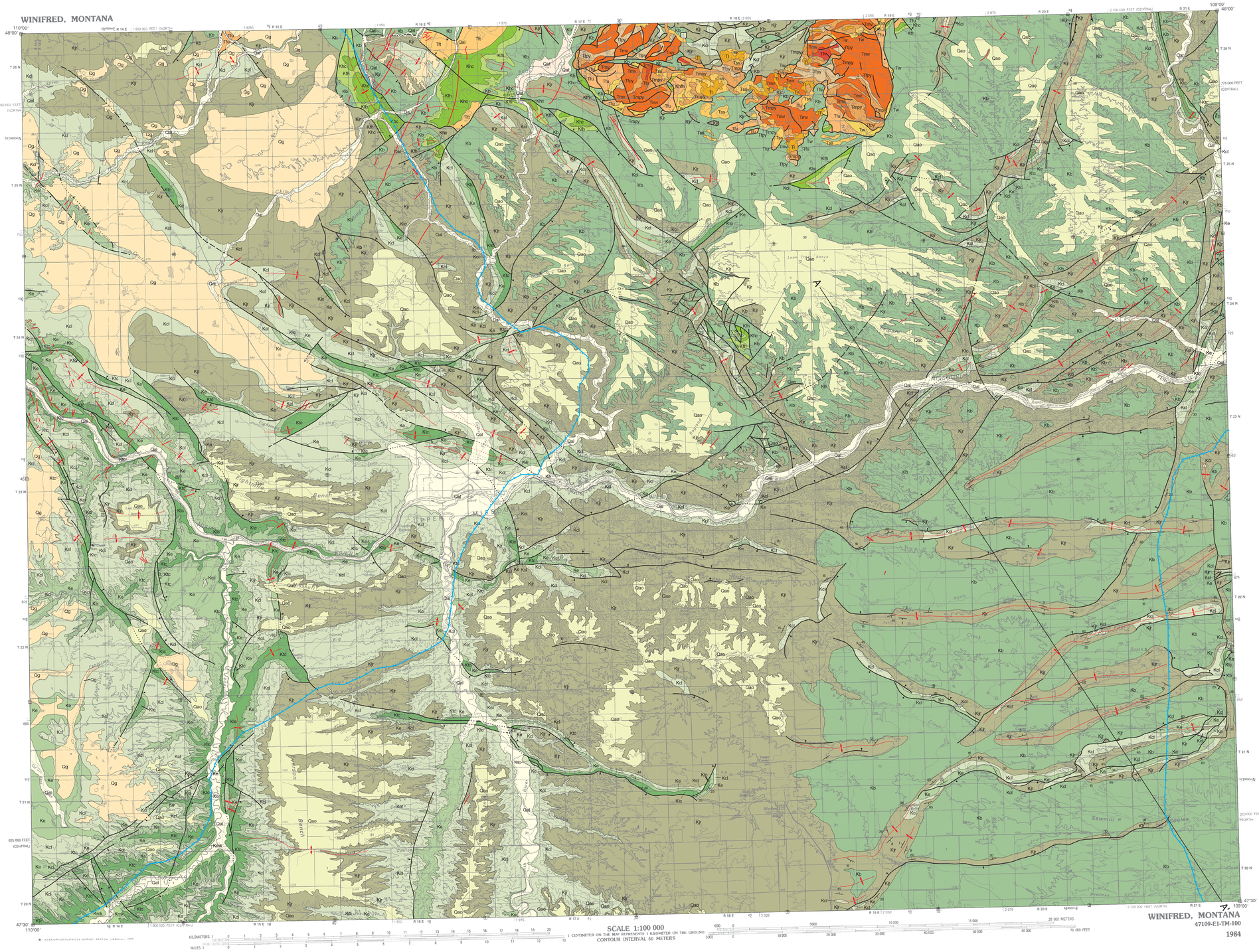


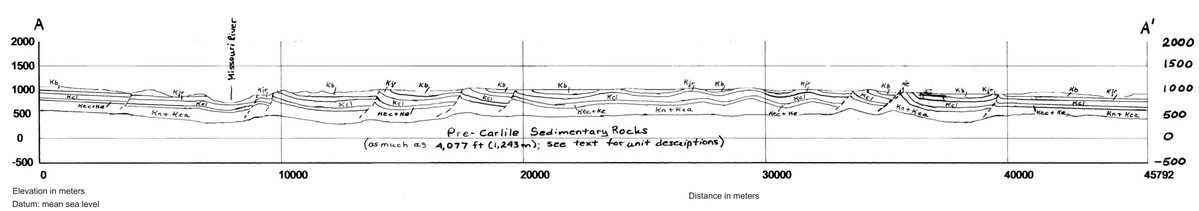
MAP UNITS

- Qal — Alluvium of modern channels and flood plains
- Qat — Alluvium of alluvial terrace deposit
- Qao — Alluvium, older, undivided
- Qg — Glacial deposits, undivided
- Qls — Landslide deposit
- Tfv — Felsic volcanic rocks
- Tfpy — Felsic pyroclastic rocks
- Tmv — Mafic volcanic rocks
- Tmpy — Mafic pyroclastic rocks
- Tl — Latite and porphyritic latite
- Tss — Shonkinite and syenite
- Tw — Wasatch Formation
- Ttu — Fort Union Formation, undivided
- Ttt — Tullock Member of Fort Union Formation
- Khc — Hell Creek Formation
- Kfh — Fox Hills Formation
- Khfh — Hell Creek Formation and Fox Hills Formation, undivided
- Kb — Bearpaw Shale
- Kjr — Judith River Formation
- Kcl — Claggett Shale
- Ke — Eagle Formation
- Ktc — Telegraph Creek Formation
- Kmk — Kevin Member of Marias River Formation

Extent of glaciation

N

Cross Section A-A'
Vertical exaggeration x2.0



Unit thickness, meters (ft/3.28)

Kb	1,300'; only lower part exposed	
Kjr	380'	116 m
Kcl	500'	152 m
Ke + Ktc	450'	137 m
Kn + Kca	630'	192 m

See text for unit names and descriptions
Surficial deposits not shown

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Geologic Map of the Winifred 30' x 60' Quadrangle Central Montana

Edith M. Wilde and Karen W. Porter

2001

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Maps may be obtained from
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