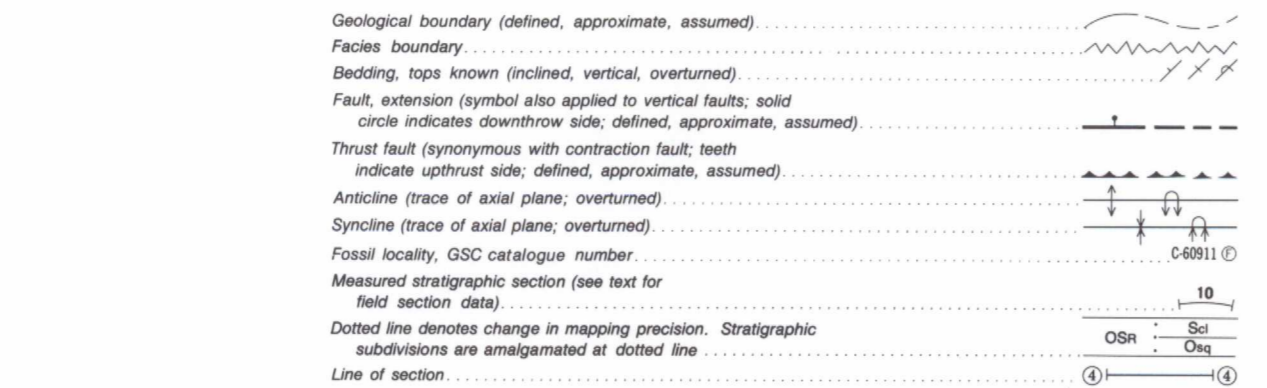
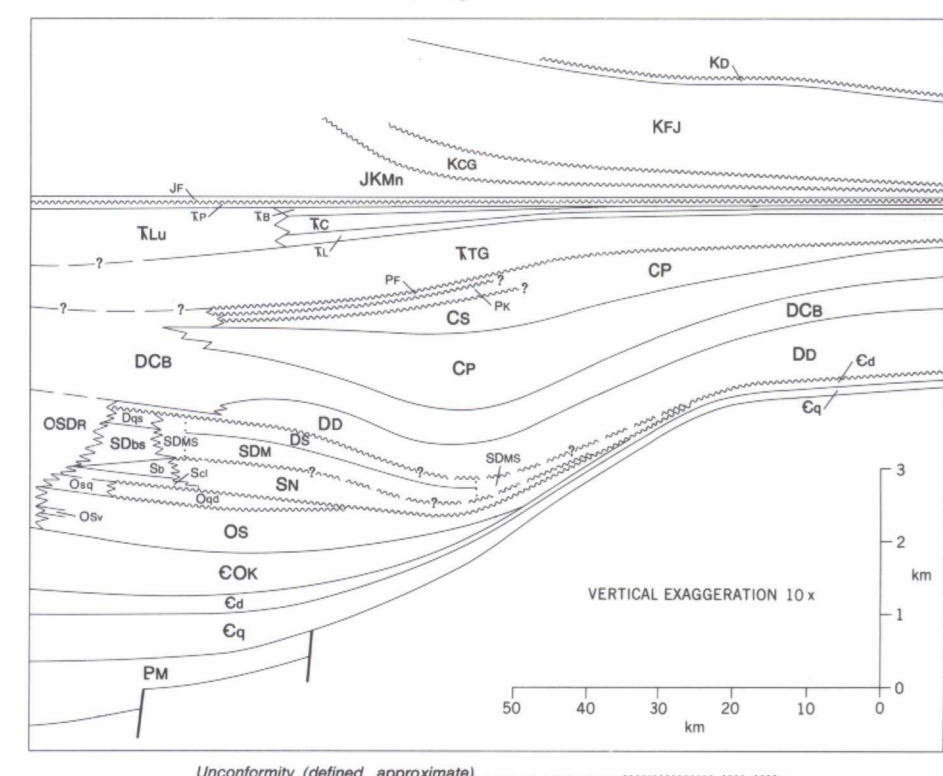


LEGEND

<p><b>QUATERNARY</b>                  PLEISTOCENE AND RECENT                  Qal Gravel, sand, silt, clay, and fill</p>		
<p><b>CRETACEOUS</b>                  UPPER CRETACEOUS (Cenomanian)                  KD DUVEGAY FORMATION: sandstone, shale, and conglomerate</p>		
<p>LOWER CRETACEOUS (Albian) AND UPPER CRETACEOUS (Cenomanian)                  FORT ST. JOHN GROUP (Ks-Ku)</p>		
<p>KSu BULLY FORMATION: siltstone, shale, siltstone, marl, includes some upper Cretaceous beds at the top</p>	<p><b>FORT ST. JOHN GROUP (undivided)</b>                  (stratigraphic)</p>	
<p>KSh SIKANY FORMATION: fine grained sandstone, minor shale, coal, and conglomerate, marl</p>		
<p>KHu HILGROSS FORMATION: dark grey, concretionary shale, marl</p>		
<p>KZi GATES FORMATION: massive to thick bedded sandstone, siltstone and shale, siltstone</p>		
<p>KM MOOSEBAR FORMATION: dark grey shale, marl</p>		
<p>LOWER CRETACEOUS (Albian-Aptian)                  BULLHEAD GROUP (Kv-Kz)</p>		
<p>Kv GETHING FORMATION: fine grained sandstone, minor shale, coal, and conglomerate, marl and noronite</p>	<p><b>BULLHEAD GROUP (undivided)</b>                  (structure section)</p>	
<p>Kz CADOMY FORMATION: massive conglomerate and conglomeratic sandstone, noronite</p>		
<p><b>JURASSIC AND CRETACEOUS</b>                  UPPER JURASSIC (?) AND LOWER CRETACEOUS (Thuron-Vieljeux)</p>		
<p>KBI BUCHFORD FORMATION: interbedded, fine grained sandstone and shale</p>	<p><b>MINNES GROUP (undivided)</b>                  (undivided)</p>	
<p>KbH BEATHE PEAKS FORMATION: interbedded, fine grained sandstone, siltstone, shale, marl. May include the Minnoch and Stordford formations</p>		
<p>KbM MONACH FORMATION: massive, quartzitic sandstone</p>		
<p>KbP BEATHE PEAKS FORMATION: interbedded, fine grained sandstone and shale, marl. May include the Minnoch and Stordford formations</p>		
<p>JKM MONTEITH FORMATION: massive, quartzitic sandstone. May include some Jurassic strata</p>		
<p><b>JURASSIC</b>                  LOWER AND UPPER JURASSIC (Simmurian-Thuron)</p>		
<p>JF FERNE FORMATION: phosphanic and siltstone shale, siltstone, minor sandstone, marl</p>	<p><b>ROAD AND CHARLE LAKE FORMATIONS (undivided)</b>                  (undivided)</p>	
<p><b>TRASSIC</b>                  UPPER TRASSIC (Horton)</p>		
<p>TP PARSONT FORMATION: carbonaceous and argillaceous limestone, siltstone, calcareous and dolomitic siltstone</p>		
<p>TB BALDOWNE FORMATION: massive limestone and dolomite with siltstone and sandstone interbeds</p>		
<p>UPPER TRASSIC (Kamian)</p>		
<p>TC CHARLE LAKE FORMATION: dolomite and calcareous sandstone, siltstone, sandy limestone, dolomite and minor chert (structure section)</p>	<p><b>ROAD AND CHARLE LAKE FORMATIONS (undivided)</b>                  (undivided)</p>	
<p>TL LARD FORMATION: massive, dolomitic to calcareous sandstone, calcareous and dolomitic siltstone, minor dolomite (structure section)</p>		
<p>LOWER AND MIDDLE TRASSIC (Srebriehan-Ladrian)</p>		
<p>TG TONG AND GRAYLES FORMATIONS: massive, calcareous siltstone, siltstone, siltstone, minor siltstone and calcareous sandstone</p>	<p><b>ROAD AND CHARLE LAKE FORMATIONS (undivided)</b>                  (undivided)</p>	
<p>TG TONG AND GRAYLES FORMATIONS: massive, calcareous siltstone, siltstone, siltstone, minor siltstone and calcareous sandstone</p>		
<p><b>PERMIAN</b>                  LOWER AND UPPER PERMIAN (Arcturian-Woodian)</p>		
<p>PF FANTASQUE FORMATION: massive grey chert containing abundant sponge spicules</p>	<p><b>CARBONIFEROUS AND PERMIAN</b>                  LOWER CARBONIFEROUS TO UPPER PERMIAN                  STODART GROUP, KINDEL AND FANTASQUE FORMATIONS (undivided) (structure section)</p>	
<p>PK LOWER PERMIAN (Masson-Salmann)</p>		
<p><b>CARBONIFEROUS</b>                  LOWER CARBONIFEROUS (upper Visian-lower Namurian)</p>		
<p>CS STODART GROUP                  SOLATA, KASKATHAM, and TARCOP FLAT FORMATIONS (undivided): shale, sandstone, limestone, and siltstone (structure section)</p>	<p><b>STODART GROUP AND KINDEL FORMATION (undivided)</b>                  (undivided)</p>	
<p>CP2 LOWER CARBONIFEROUS (upper Thuronian-lower Visian)</p>		
<p>CP1 PROPRIET FORMATION (C1-C2)                  Upper unit: massive, light grey limestone, and chert                  Lower and middle units: limestone, chert, dolomite, shale, and siltstone</p>	<p><b>PROPRIET FORMATION (undivided)</b>                  massive limestone, dolomite, chert</p>	
<p>CP1 Lower and middle units: limestone, chert, dolomite, shale, and siltstone</p>		
<p><b>DEVONIAN AND CARBONIFEROUS</b>                  UPPER DEVONIAN-LOWER CARBONIFEROUS</p>		
<p>DCB BEGA RIVER FORMATION: shale, carbonaceous shale, siltstone, calcareous siltstone, siltstone, and limestone                  Limestone marker unit (DCb): limestone and siltstone, nodular limestone (structure section)</p>	<p><b>BEGA RIVER FORMATION (undivided)</b>                  (undivided)</p>	
<p>DCB BEGA RIVER FORMATION: shale, carbonaceous shale, siltstone, calcareous siltstone, siltstone, and limestone                  Limestone marker unit (DCb): limestone and siltstone, nodular limestone (structure section)</p>		
<p><b>DEVONIAN</b>                  MIDDLE DEVONIAN</p>		
<p>DD DUNDY FORMATION: limestone, dolomite, argillaceous limestone, secondary, coarsely crystalline dolomite</p>	<p><b>DUDDY FORMATION (undivided)</b>                  (undivided)</p>	
<p>DD DUNDY FORMATION: limestone, dolomite, argillaceous limestone, secondary, coarsely crystalline dolomite</p>		
<p>LOWER AND MIDDLE (?) DEVONIAN</p>		
<p>DS2 STONE FORMATION (D1-D2)                  Upper unit: massive, light grey, medium crystalline dolomite                  Lower unit: medium to thick bedded, olive and grey weathering, sandy dolomite and dolomite, quartz sandstone</p>	<p><b>STONE FORMATION (undivided)</b>                  massive dolomite, quartz sandstone, medium to thick bedded, olive and grey weathering, sandy dolomite and dolomite, quartz sandstone</p>	
<p>DS1 Lower unit: medium to thick bedded, olive and grey weathering, sandy dolomite and dolomite, quartz sandstone</p>		
<p><b>SILURIAN (?) AND DEVONIAN</b>                  UPPER SILURIAN AND LOWER DEVONIAN</p>		
<p>SDM MUNCHACACONNELL FORMATION: thick bedded to massive, light grey dolomite and sandy dolomite</p>	<p><b>MUNCHACACONNELL AND STONE FORMATIONS (undivided)</b>                  (structure section)</p>	
<p>SDM MUNCHACACONNELL FORMATION: thick bedded to massive, light grey dolomite and sandy dolomite</p>		
<p><b>SILURIAN</b>                  LOWER SILURIAN (Lindavonian)</p>		
<p>SN NONGA FORMATION: dolomite, limestone, carbonaceous limestone and dolomite; black chert nodules and lenses</p>	<p><b>NONGA FORMATION (undivided)</b>                  (undivided)</p>	
<p>SN NONGA FORMATION: dolomite, limestone, carbonaceous limestone and dolomite; black chert nodules and lenses</p>		
<p><b>ORDOVICIAN</b>                  UPPER ORDOVICIAN (upper Cambrian-Abollian)</p>		
<p>OSp Quartzite dolomite unit: quartzite, dolomite, quartz sandstone, micropellicular dolomite with black chert nodules, carbonaceous, nodular limestone</p>	<p><b>OSp Quartzite dolomite unit (undivided)</b>                  (undivided)</p>	
<p>OSp Quartzite dolomite unit: quartzite, dolomite, quartz sandstone, micropellicular dolomite with black chert nodules, carbonaceous, nodular limestone</p>		
<p>LOWER AND MIDDLE ORDOVICIAN (Lindavonian-Cambrian)</p>		
<p>OSv STONE FORMATION: dolomite, carbonaceous and argillaceous limestone, argillaceous limestone, dolomite, siltstone, massive marl unit (OSv): massive, fine, cycloclastic, red-bedded volcanic sandstone and conglomerate</p>	<p><b>STONE FORMATION (undivided)</b>                  dolomite, carbonaceous and argillaceous limestone, argillaceous limestone, dolomite, siltstone, massive marl unit (OSv): massive, fine, cycloclastic, red-bedded volcanic sandstone and conglomerate</p>	
<p>OSv STONE FORMATION: dolomite, carbonaceous and argillaceous limestone, argillaceous limestone, dolomite, siltstone, massive marl unit (OSv): massive, fine, cycloclastic, red-bedded volcanic sandstone and conglomerate</p>		
<p><b>CAMBRIAN AND ORDOVICIAN</b>                  UPPERMOST CAMBRIAN AND LOWER ORDOVICIAN (Tempelebaun-Arangian)</p>		
<p>CKK KECHIKA GROUP                  Clastic (pyrite, calcareous siltstone and shale, siltstone, sandstone, siltstone, minor, green weathering, altered volcanic beds)</p>	<p><b>KECHIKA GROUP (undivided)</b>                  (undivided)</p>	
<p>CKK KECHIKA GROUP                  Clastic (pyrite, calcareous siltstone and shale, siltstone, sandstone, siltstone, minor, green weathering, altered volcanic beds)</p>		
<p><b>CAMBRIAN</b>                  MIDDLE (?) CAMBRIAN</p>		
<p>Cd Dolomite unit: medium crystalline dolomite, sandy dolomite</p>	<p><b>DOLomite unit (undivided)</b>                  (undivided)</p>	
<p>Cd Dolomite unit: medium crystalline dolomite, sandy dolomite</p>		
<p><b>LOWER CAMBRIAN</b></p>		
<p>Ct Quartzite unit: orthoquartzite, carbonaceous shale, siltstone, siltstone, shale. Includes equivalent of the Gog Group</p>	<p><b>QUARTZITE unit (undivided)</b>                  (undivided)</p>	
<p>Ct Quartzite unit: orthoquartzite, carbonaceous shale, siltstone, siltstone, shale. Includes equivalent of the Gog Group</p>		
<p><b>UPPER PROTROPOVIC</b>                  MISCHINA GROUP                  Phyllic and actinolite belts: quartzite, minor limestone, carbonaceous marl unit (PM2): massive limestone and dolomite. Possible equivalent of the Gog Formation</p>		
<p>PM2 MISCHINA GROUP                  Phyllic and actinolite belts: quartzite, minor limestone, carbonaceous marl unit (PM2): massive limestone and dolomite. Possible equivalent of the Gog Formation</p>	<p><b>MISCHINA GROUP (undivided)</b>                  (undivided)</p>	
<p>PM2 MISCHINA GROUP                  Phyllic and actinolite belts: quartzite, minor limestone, carbonaceous marl unit (PM2): massive limestone and dolomite. Possible equivalent of the Gog Formation</p>		

SCHEMATIC STRATIGRAPHIC RELATIONSHIPS  
 Halfway River Area



Geology by R.L. Thompson, 1976-76, assisted by Douglas Nokes and Robin Day, 1973 and Scott Tropea and Neil Godfrey, 1976  
 Geological compilation by R.L. Thompson  
 Geological cartography by S.D. Orpik, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada  
 Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada  
 Recommended citation:  
 Thompson, R.L.  
 1981. Geology, Wicked River, British Columbia, Geological Survey of Canada, Map 2-1986, scale 1:50 000  
 Note: For structure sections, see Map 1634A, sheet 2



MAP 2-1986  
 GEOLOGY  
**WICKED RIVER**  
 BRITISH COLUMBIA  
 Scale 1:50 000

MAP LIBRARY / CARTOTHEQUE

94 C8	94 B5	94 B6
94 C7	94 B4	94 B3
93 N15	93 C13	93 O14

Printed by the Survey and Mapping Branch, Published 1987

Geological Survey of Canada  
 601 Booth Street, Ottawa, Canada K1A 0E8  
 205-208 Street N.E., Calgary, Alberta T2C 3A7  
 100 West Pender Street, Vancouver, B.C. V6B 1R8

Scale 1:50 000  
 Kilometers 1 2 3 4 Kilometers

Transverse Mercator Projection  
 CM 123°, Scale Factor 0.9996  
 © Crown Copyrights Reserved

INDEX MAP

Library / Bibliothèque  
 JAN 28 1988  
 GEOLOGICAL SURVEY OF CANADA  
 COMMISSION GÉOLOGIQUE DU CANADA  
 MAP 2-1986  
**WICKED RIVER**  
 BRITISH COLUMBIA

2-1986  
 53401-C5-3  
 1978-  
 64  
 0M/PC