

ELEVATIONS IN FEET
(2216) KOOTENAY RIVER

WORLD AERONAUTICAL CHART
ICOA 1:1,000,000



KOOTENAY RIVER

This map represents a preliminary compilation of the Kootenay River map-sheet on a scale of 1:1,000,000. The final compilation may result in some different definition of map-units with greater detail and different emphasis. Many interpretations presented here may be significantly altered in the final compilation.

Information on sedimentary and volcanic rocks was compiled under the direction of A.V. Okulitch. The information on the plutonic rocks was compiled by G.J. Woodsworth, R.A. Price, Queens University, R.G. Yates, J.E. Harrison, and K.E. Fox, U.S. Geological Survey, and G.B. Leech, Geological Survey of Canada provided extensive assistance.

Literature search, compilation, reduction and drafting were carried out mainly by Denis Villeneuve.

EXPLANATION

THRUST FAULTS (defined, approximate)
NORMAL FAULTS
FAULTS (mainly normal)
GEOLOGICAL CONTACTS

COMPILED BY
A.V. Okulitch and G.J. Woodsworth

SOURCE OF INFORMATION
Published and unpublished maps and reports of Geological Survey of Canada, United States Geological Survey, and B.C. Dept. of Mines and Petroleum Resources.

LEGEND

SEDIMENTARY, METAMORPHIC & VOLCANIC ROCKS

Pns	Orthogneiss, foliated and massive granitic rocks, paragneiss, schist, minor amphibolite and marble. OKANAGAN Metamorphic and Plutonic Complex.
Pgn	Orthogneiss, OKANAGAN Metamorphic and Plutonic Complex.
mpTv	Basalt, plateau lava, minor sediments. COLUMBIA R. Lavas
eoC	Basalt, andesite, volcaniclastic and flow rocks, minor sediments. KAMLOOPS and PHENIX Groups; SANPOIL Volcanics, KLODIE MTN., and D'OBRIEN CR. Fms.
eoTs	Sandstone, conglomerate, tuff, KAMLOOPS Group; KISSEHNEH, KETTLE R., and SOPHIE MTN. Fms.
pTp	Sandstone, shale. PORCUPINE HILLS and PASKAPOO Fms.
CRETACEOUS UPPER CRETACEOUS	
uKs	Sandstone, shale. ALBERTA Group; EDMONTON, BRAZEE, BELLY R., WILLOW CR. ST. MARY R., BEARPAW, MILK R., KOOTENAI, etc. Fms.
LOWER CRETACEOUS	
IKs	Sandstone, shale, coal, conglomerate, volcanic breccia. BLAINMORE Group; CROWSNEST Fm.
JURASSIC-CRETACEOUS	
Jks	Sandstone, siltstone, mudstone, coal, conglomerate. KOOTENAY and NARANASSIN Fms.
JF	Shale, siltstone, sandstone, limestone. FERNIE Group (includes HALL Fm. in the Nelson map-area).
TRv	Greenstone, turf, argite, sediments. NICOLA and ROSSLAND Groups; ELICE and ARCHIBALD Fms.
TRs	Shale, argillite, limestone, conglomerate, schist, sandstone. NICOLA, SLOCAN, ROSSLAND and YMIR Groups; SICAMOUS and ARCHIBALD Fms.
PERMIAN-TRIASSIC	
Prv	Greenstone, basalt, andesite, lava, tuff, breccia, serpentinite. TSALKOM Fm.
KTm	CORELL INTRUSIONS: monzonite, monzodiorite; lesser syenite, diorite, granodiorite, quartz monzonite.
KTgd	Predominantly granodiorite, quartz diorite; lesser diorite, monzonite, quartz monzonite, gneiss, migmatite.
KTgm	Quartz monzonite, granite, alaskite; lesser granodiorite, quartz diorite, gneiss, migmatite.
EKgm	Quartz monzonite, granite; lesser granodiorite, quartz diorite.
EKd	Granodiorite, quartz diorite; lesser quartz monzonite.
Jgm	Quartz monzonite, lesser granodiorite.
Js	KUSKANAX BATHOLITH: syenite, leuco-monzonite, leuco-quartz monzonite.
Jg	Granodiorite, quartz diorite, lesser quartz monzonite.
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PLUTONIC ROCKS	
KTm	CORELL INTRUSIONS: monzonite, monzodiorite; lesser syenite, diorite, granodiorite, quartz monzonite.
KTgd	Predominantly granodiorite, quartz diorite; lesser diorite, monzonite, quartz monzonite, gneiss, migmatite.
KTgm	Quartz monzonite, granite, alaskite; lesser granodiorite, quartz diorite, gneiss, migmatite.
EKgm	Quartz monzonite, granite; lesser granodiorite, quartz diorite.
EKd	Granodiorite, quartz diorite; lesser quartz monzonite.
Jgm	Quartz monzonite, lesser granodiorite.
Js	KUSKANAX BATHOLITH: syenite, leuco-monzonite, leuco-quartz monzonite.
Jg	Granodiorite, quartz diorite, lesser quartz monzonite.
PUB	Ultramafic rocks; peridotite, serpentinite.
PIR	ICE RIVER COMPLEX: syenite, ijolite, jacupirangite, gneiss.
Pgd	ADAMANT PLUTON: granodiorite, quartz monzonite.
Pn	ADAMANT PLUTON: monzonite, monzodiorite.
Pgd	GRANODIORITE, quartz monzonite, quartz diorite, gneiss, migmatite.
Dg	Geisic granitic rocks. MT. FOWLER Batholith, CLACHNACUDANN.
Prgd	HELLROARING STOCK: granodiorite.
Mpjd	THOR-ODIN Orthogneiss.

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada.

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the Map Distribution Office.

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