



LEGEND

The legend is common to maps 1674A, 1675A, 1676A, 1677A, coloured legend blocks indicate map units that appear on this map

SURFICIAL DEPOSITS

QUATERNARY

NEOGLACIATION

ICE AND SNOW

Tn Till: nonsorted debris, commonly bouldery, 0.5-20 m thick, forming discontinuous veneers, fluted, hummocky, or channelled blankets, and lateral and end moraine ridges, distinguished from older till by its general lack of vegetation; includes deposits of six advances, oldest of which postdates White River tephra (ca. 1200 years old)

NONGLACIAL ENVIRONMENT

Ca COLLUVIAL DEPOSITS: block accumulations and landside debris, 1-50 m thick
Talus (scree): accumulations of blocks, commonly exceeding 3 m in diameter, as much as 50 m thick, forming aprons and fans below cliffs; commonly crossed by debris flow channels and levees. Most slopes active

Cr Rock glacier debris: accumulations of talus deformed by flow of interstitial ice to form rock (talus) glaciers, generally 10-50 m thick, with pronounced transverse and longitudinal ridges and furrows, steep sides and fronts, includes deposits of several ages, at least three older and six younger than White River tephra (ca. 1200 years old)

Ch Landslide debris: rock avalanches more than 10 m thick and slumped and slid till incorporating organic detritus, 1-10 m thick, with hummocky or rolling surfaces and steep fronts

Af ALLUVIAL DEPOSITS: gravel, sand, and organic detritus 2-20 m thick
Alluvial fan deposits: poorly sorted gravel and sand with organic detritus and buried organic soils; fans commonly laterally amalgamated, commonly crossed by debris flow channels and levees and subject to shifting stream courses

Ap,t Alluvial plain and terrace deposits: well sorted gravel and sand with detrital organic beds, including concentrations of logs, forming meander scrolled plains Ap, and terraces At

Er EOLIAN DEPOSITS: sand, 1-5 m thick, forming sharp crested dunes, now stable; probably formed immediately after deglaciation and prior to establishment of a vegetation cover

PROGLACIAL AND GLACIAL ENVIRONMENT

Lt,p GLACIOLACUSTRINE DEPOSITS: fine sand, silt, and clay, 10-30 m thick, forming terraces deeply dissected by postglacial erosion where thick or plains where thin, deposited in glacier dammed lakes

GLACIOFLUVIAL DEPOSITS: gravel and sand, 2-30 m thick, deposited on, beneath, and in front of the marginal zone of a glacier

Gt, Gfk, p, f, Gpk Proglacial outwash: gravel and sand forming distal outwash terraces Gt, plains Gp, and fans Gf, and proximal kettled outwash terraces Gfk, and plains Gpk; characterized by abandoned braided channel patterns

ll,k,h,r Ice contact stratified drift: gravel and sand, with clasts commonly 10-100 cm across, commonly faulted, forming lateral kame terraces and delta terraces It, with ice contact escarpments and kettle holes Ik, hummocky moulain kame fields, or ice block disintegration terrain Ih, and eskers or crevasse fillings Ir

GLACIAL ENVIRONMENT

Tv Till veneer: 0.5-2 m thick; surface mimics underlying rock surface, fluted in places, commonly channelled by meltwater

Tb, Tbh Till blanket: 2-20 m thick; much of surface leveled by flutings and drumlins or channelled by meltwater Tb, distinctly hummocky Tbh, where composed mostly or entirely of shale

ROCK PRE-QUATERNARY

R1, R2 ROCK: rock of various lithologies and ages forming alpine valley walls and ridges extensively modified by glacial erosion R1, and high plateau remnants of restricted extent showing little or no sign of glacial erosion R2, high plateaus and other low to moderate slopes commonly mantled by felsenmeer; patches of till and glacial erratics occur throughout

Geological boundary (defined, gradational)
Cirque; cirques and arêtes; alpine escarpment formed by glacial oversteepening of bedrock
Drumlins (ice flow direction unknown)
Crag and tail (til tail)
Roche moutonnée or rock drumlin
End moraine
Lateral moraine, ornamented on glacier side
Medial moraine
Esker (direction of flow known)
Crevasse filling
Name
Subglacial and proglacial meltwater channel (wide, narrow)
Sidehill (lateral) meltwater channel; barb on upstope side
Escarpment in unconsolidated sediment
Landslide scar (large, small)
Avalanche track, avalanche slope
Ground observation point
Site where permafrost encountered
Till sample with anomalously high levels of Zn,Pb, etc. 58 Zn,Pb

MINERALS

Chromium	Cr	Molybdenum	Mo
Manganese	Mn	Uranium	U

Geology by A.S. Dyke 1981, 1983

Geological cartography by H.A. Thomson, Geological Survey of Canada

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

Base map assembled by the Geological Survey of Canada from monochrome maps published at 1:50 000 scale by the Surveys and Mapping Branch in 1985

Copies of the topographical editions covering this map area may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, Ontario, K1A 0G9

Mean magnetic declination 1990, 30°25' East, decreasing 14.4' annually. Readings vary from 30°10'E in the SW corner to 30°41'E in the NE corner of the map area

Elevations in metres above mean sea level



MAP 1676A
SURFICIAL MATERIALS AND LANDFORMS
YUSEZYU RIVER
YUKON TERRITORY

Scale 1:100 000 - Échelle 1/100 000

Kilometres 2 4 6 8 Kilomètres

Universal Transverse Mercator Projection / Projection transverse universelle de Mercator

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