

**EXPLANATION OF LANDFORM UNIT NOTATIONS**

Compositional-Genetic Category: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

**Age Modifier**

Stratigraphic relationship given where thickness of upper unit is irregular and where underlying unit is a known compositional-genetic unit other than beneath.

**Age Modifier**

A - Modern  
1 - Late Wisconsinan (Macaulay)  
N - Neoglacal  
P - Postglacial  
2 - Early Wisconsinan or Illinoian (Mirror Creek)

**CHRONOLOGY**

2800 years B.P. POSTGLACIAL  
8700 years B.P. HYPSITHERMAL  
12 900 years B.P. EARLY POSTGLACIAL  
29 900 years B.P. MACAULEY LATE WISCONSINAN  
NEOGACIAL  
NONGLACIAL INTERVALS EARLY WISCONSINAN OR ILLINOIAN  
MIRBOR CRETACIOUS

**Textural Modifiers**

a - sand or gravel, M - Till containing a high proportion of sand, gravel, blocks, or boulders  
b - boulders, blocks, bouldery  
c - clay, clayey  
d - silt, clay, and fine sand; commonly with high organic content  
e - gravel, gravelly  
f - hummocky  
g - undulating, rolling  
h - plain, floodplain  
i - ridge, ridge  
j - steep slope (greater than 33%) cliff  
k - terrace, terraced  
l - moderate to moderate slope (5-15%)  
m - gentle to moderate slope (5-15%)  
n - moderate to steep slope (15-33%)

**Blanket indicates category forms nearly continuous cover greater than 1 m thick, generally 0.5 to 3 m thick, over underlying unit.**

**Veneer indicates category forms broken thin cover, usually less than 1 m thick, but averaging 0.5 m thick, over underlying unit.**

**General descriptions of texture and age are given for each category only where texture and age differ from the general description of texture and age modifiers used.**

**Geological boundary (defined, approximate, assumed, fluted till)**

**Rock glacier (RM)**

**Atlatlapan terrace**

**Pingo**

**Thermokarst depression**

**Castled bedrock outcrop**

**Bedrock outcrop**

**Organic deposit**

**Landslide**

**Landslide scar**

**Stream-trimmed scarp (unconsolidated material, bedrock in part)**

**Modern (unconsolidated material, bedrock in part)**

**Stream-trimmed scarp (unconsolidated material, bedrock in part)**

**Postglacial**

**Stream-cut ravines and canyons (unconsolidated material, bedrock in part)**

**Stream-cut ravines and canyons, modern (unconsolidated material, bedrock in part)**

**Stratigraphic section**

**Note: Symbols in red may form geological boundaries.**

**PHYSIOGRAPHY**

**ST. ELIAS MTS.**

**YUKON PLATEAU**

**KLUANE PLATEAU**

**SHANAWAN PLATEAU**

**DEPRESSION**

**ICEFIELD**

**FRANGES**

**VALLEY or BASIN (DEPRESSION) - Low-lying land ordered by higher ground flat, smooth, or gently undulating terrain with few surface irregularities.**

**PLATEAU - Land standing well above valleys but below elevation of nearby mountains flat, smooth, gently sloping to moderately hilly terrain in places dissected by valleys, but major part of surface is near summit level.**

**HILLS - Prominences that rise above surrounding terrain less than 350 m.**

**MOUNTAINS - Prominences that rise above surrounding terrain more than 350 m.**

**BOUNDARIES**

- Between physiographic systems.  
- Between major physiographic subdivisions.  
- Delineating minor physiographic subdivisions.  
- Between physiographic elements.

**Geology by V.N. Rampton 1977.**

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

Base maps at the 1:50 000 scale published by the Surveys and Mapping Branch.

Copies of the various topographical editions of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa.

Approximate magnetic declination 1979 30°04.2' East decreasing 1.4' annually.

Elevations in feet above mean sea-level.

**MAP 7-1978**

**SURFICIAL GEOLOGY AND GEOMORPHOLOGY**

**GENERIC RIVER**

**YUKON TERRITORY**

Scale 1:100 000

Universal Transverse Mercator Projection

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**MAP 7-1978**

**MAP 8-1978**

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