



Geology by L.E. Jackson, J. 1976 and 1980  
Original cartography by R.L. Abert, Geological Survey of Canada  
Electronic data prepared by the Geological Survey of Canada  
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Open File 3074  
**SURFICIAL GEOLOGY  
STIMSON CREEK  
ALBERTA**  
Scale 1:50 000 - Echelle 1:50 000  
Meters / Mètres  
Geological Survey of Canada  
COMMISSION GÉOLOGIQUE DU CANADA  
1141 St. James Street West  
Ottawa, Ontario K1A 0S8  
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Digital base map from Survey, Mapping and Remote Sensing Branch published at 1:50 000 scale, derived and modified by the Geological Survey of Canada  
Copies of the topographic edition of this map may be obtained from the Canada Map Office, Department of Natural Resources Canada, Ottawa, Ontario, K1A 0S8  
Mean magnetic declination 1985, 19°22' E, decreasing 7" annually. Magnetic variation from 1977 is 16° 56' E to the 60' corner to 19°32' E in the NW corner of the map  
Elevations in feet above mean sea level

82 319	82 321	82 323	82 325
82 327	82 329	82 331	82 333
82 335	82 337	82 339	82 341
82 343	82 345	82 347	82 349
82 351	82 353	82 355	82 357



**QUATERNARY**  
**POST ERATICA TRANSGLACIATION**

- M** MADE LAND: clean without till and minor sands
- Mh** MEDIAL LAG: clean without till and minor sands
- O** ORGANIC DEPOSITS: well-sorted, organic, sand and silt with scattered pebbles, up to 2 m thick
- Eb** FOLIAK DEPOSITS: sand and silt transported and deposited by wind
- Ev** FOLIAK DEPOSITS: sand and silt, well sorted, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Cb** CULTURAL AGON SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Cv** CULTURAL AGON SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ca** CULTURAL AGON SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Cd** CULTURAL AGON SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ce** CULTURAL AGON SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Cf** CULTURAL AGON SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Cg** CULTURAL AGON SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Cu** UNIDENTIFIED CULTURAL SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ap** FLOOD PLAIN SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ai** ALLUVIAL SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Aj** ALLUVIAL SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ak** ALLUVIAL SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Au** UNIDENTIFIED ALLUVIAL SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)

**ERATICA TRANSGLACIATION**

- Ae** ALLUVIAL DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lve** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lb** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lc** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ld** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lf** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lg** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lh** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lk** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ll** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lm** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ln** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lo** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lp** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lq** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lr** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ls** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lt** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lv** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lw** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lx** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ly** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Lz** GLACIOLACUSTRINE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)

**WISCONSIN**

- W** UNIDENTIFIED ALLUVIAL SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)

**EARLY PLEISTOCENE OR PALEOCENE**

- Pa** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pb** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pc** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pd** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pe** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pf** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pg** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ph** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pi** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pj** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pk** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pl** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pm** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pn** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Po** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pp** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pq** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pr** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Ps** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pt** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pv** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pw** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Px** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)
- Pz** PALEOCENE DEPOSITS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)

**PALEOCENE TO EARLY TERTIARY**

- R** UNIDENTIFIED SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)

**EARLY TERTIARY**

- Ra** UNIDENTIFIED SANDS: sand, silt and silt, massive, < 1 m thick, with scattered pebbles and pebbles (collected by pattern where found)

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