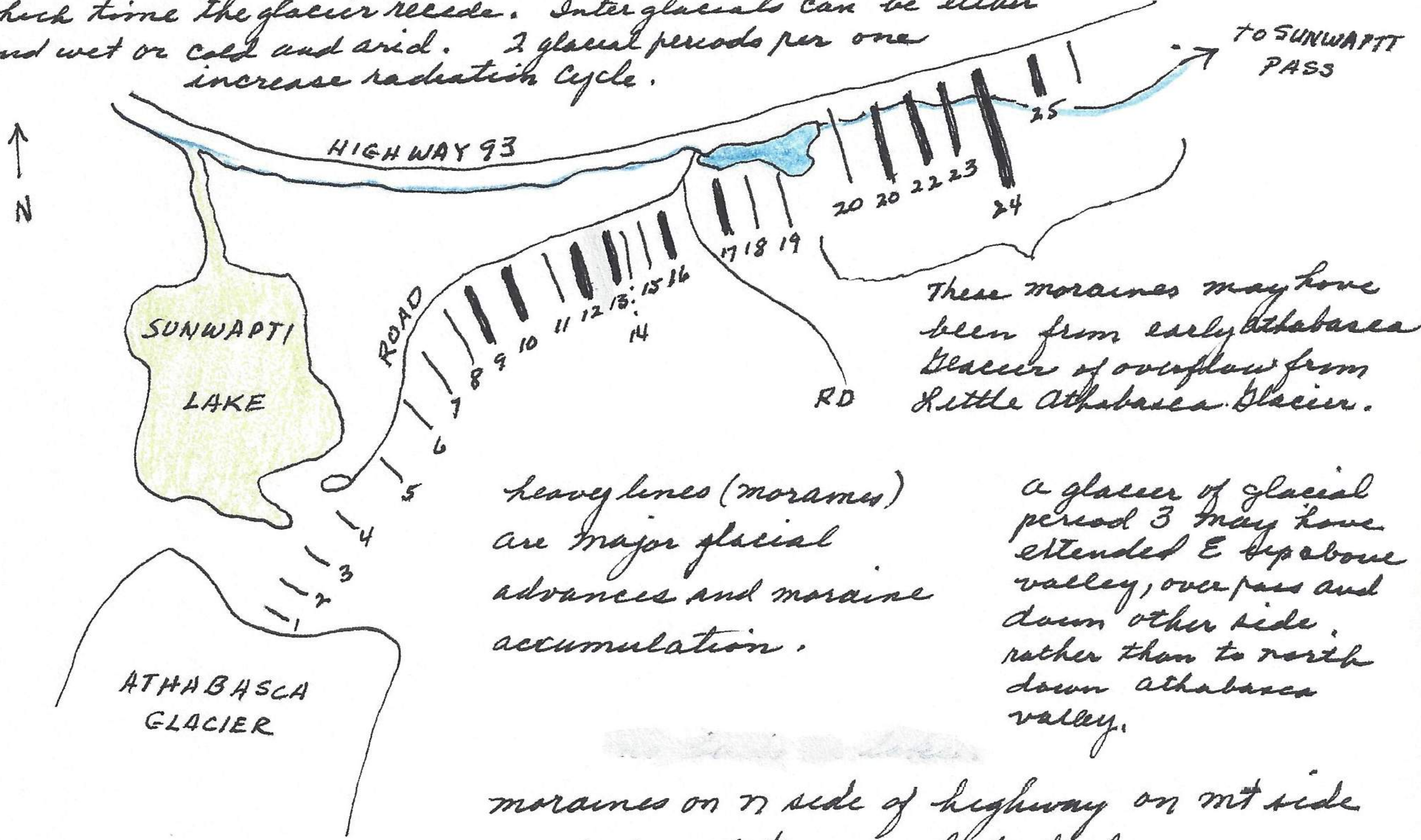


With increase sunspot activity of sun there is an increase in radiation and an increase in precipitation. Snow and ice increase because of more precipitation until temperature exceeds the snow and ice tolerance at which time the glacier recedes. Inter-glacials can be either hot and wet or cold and arid. 2 glacial periods per one increase radiation cycle.



heavy lines (moraines) are major glacial advances and moraine accumulation.

a glacier of glacial period 3 may have extended E up above valley, over pass and down other side, rather than to north down Athabasca valley.

moraines on N side of highway on mt side are difficult to judge but it shows some

levels above glacial levels represented with Athabasca Glacier. One twice as high as other moraines. They may be from 3rd glacial period.

Photo 831012-31⁷⁶ of mt E of Athabasca Glacier and part of glacier proper. Left and drove to Icefield Camp for night. Here 3 Canada jays, 2 Eutamias minimus, 2 Tamiasciurus hudsonicus. Check creek in valley and found trout to 9" in length. no birds or mammals. willows in flats and with large catkin, waist high. The trout can be chased up broad shallow ripples and captured. most swim to overhang and cannot be dislodged. water from falls disappears at about 50' N of point where creek bed turns S.E.