This moraine blocks the drainage of the valley, and forces the water issuing from Jack-of-Clubs lake to flow down the valley of Willow River.

Another hilly and stony moraine lies in the bottom of the valley of Lightning Creek between the mouths of Chisholm and Davis Creeks, but it had no influence on the general drainage except temporarily to dam back the water into a small lake.

Altogether the diversion of drainage from one valley to another would seem to have been affected much more by stream piracy in pre-Glacial times than by moraines or other dams in Glacial or post-Glacial times.