

(Plate III B) from the higher ground so that their exact position in the section is not known. They are, however, topographically above the clays of the above tabulated section, which dip in their direction, and the lowest bed is probably at least 200 feet higher, stratigraphically. Assuming that the beds maintain a fairly uniform thickness over a distance of half a mile the sediments exposed here are from 700 to 800 feet thick. They are overlain unconformably by nearly flat-lying basalt and this in turn by boulder clay.

Another section, section No. 2 (Figure 12, locality 4), was measured on the east bank of Fraser river, 2 miles west from the locality of the above tabulated section No. 1. It contains more lignite than section No. 1 and one 3-foot seam of impure diatomaceous earth appears near its base. One gravel bed which was followed for 1,000 feet along the direction of dip increased in thickness from 10 to 15 feet in that distance.

Section No. 2.

	Thickness in feet.
Top of bluff.	
Grey boulder clay: pebbles of dense metamorphic rocks, of granodiorites, and a few of amygdaloidal basalt, in a clay matrix.....	65
Sand and gravel.....	9
Boulder clay with, amongst many other kinds, a few basaltic pebbles.....	6
Sand and gravel.....	4
Boulder clay.....	20
Concealed by a slide of boulders in large sections up to 100 feet by 30 feet by 20 feet and sliding today.....	150
Blue grey clay, floor of slide, water running over it.....	4
Gravel.....	11
Blue and grey silty clay in thin beds.....	9
Gravel and sand.....	10
Grey lignitic clay, fossil leaves, well bedded.....	6
Sand and gravel with a 2-inch bed of clay.....	50
Grey clay.....	2
Gravel and silt.....	5
Brown silty clay.....	3
Sand.....	5
Gravel. The base of the bed dips down-stream, south 16 degrees east, with an inclination of about 40 feet in 1,000 feet; thickness at north end is 10 feet, at south end, 15 feet.....	15
Concealed.....	5
Silt, brown, thin-bedded, carbonaceous.....	4
Fine sand.....	5
Coarse gravel.....	10
Grey clay, weathering cream, lignite at base.....	5½
Green clay.....	4
Concealed.....	5
Buff clay, lignite seam at base.....	3
Buff clay.....	10
Green clay.....	8
Silt.....	6
Coarse gravel.....	35
Silt with 2-inch gravel layer.....	4
Coarse gravel with 3-inch layer of ironstone containing remains of leaves.....	12
Buff and grey clay.....	12
Cream clay with infusorial earth.....	3
Buff clay.....	3
Dark grey clay.....	6
Sand and gravel.....	12
Fraser River level.	
5172-24	Total..... 527½