

(The above section of the Quesnel formation was measured on the east side of Fraser river, just below Big Bend at locality 4, Figure 12, 2 miles east of position of section No. 1.)

South of Quesnel, on the east bank of Fraser river, other sections of the formation are exposed. A conspicuous red bluff, just below the town of Quesnel, is described by Selwyn.¹ Dawson² described outcrops near the village of Quesnel. A section (No. 3), measured $2\frac{1}{2}$ miles down the river from Quesnel, opposite Baker's ranch, is given below. The proportion of clay in exposures in this neighbourhood (Figure 12, locality 13), is greater than that of gravel and there are more lignitiferous beds.

Section No. 3.

	Thickness feet.
Top of bluff.	
River silt.....	6
River gravel.....	15
Grey clay with lignitic partings.....	10
Gravel cemented with clay.....	3
Grey and reddish clay.....	17
Gravel.....	30
Carbonaceous clay.....	15
Cemented gravel.....	10
Grey clay with a gravelly bed.....	25
Cemented sand and gravel.....	4
Grey clay.....	7
Sandy clay.....	3
Green clay.....	12
Green clay with lignitic partings.....	6
Sandy, green clay.....	17
Coarse gravel.....	3
Concealed.....	12
Fraser River level.	10
Total.....	205

A section at the Australia ranch about 18 miles south of Quesnel, taken at a tunnel opened along a seam of lignite, is given below (section No. 4). In this section there is practically no gravel, but lignite, one seam of which measures nearly 4 feet, is more plentiful than elsewhere.

Section No. 4.

Bed No.	Thickness in feet and inches.
1. Poorly assorted boulder sand, probably glacial.....	20 0
2. Clay with seams of sand and lignite.....	13 0
3. Drab, carbonaceous clay with lenses of sand.....	2 0
4. Lignite.....	0 3
5. Brown grey shale.....	2 0
6. Lignite.....	0 5
7. Grey clay.....	1 6
8. Brown clay with nodules of lignite.....	5 0
9. Sand.....	1 0
10. Drab brown clay.....	4 6
11. Sand.....	2 0
12. Grey clay.....	2 6

¹Selwyn, Alfred, R. C., Geol. Surv., Can., Rept. of Prog. 1871-72, pp. 58-59.

²Dawson, G. M., Geol. Surv., Can., Rept. of Prog., 1875-76, pp. 237-260.