

poorly preserved fossil leaves were obtained here, the following being determinable: *Ficus daphnogenoides* (Heer) Berry, *Sequoia heterophylla* Velen.

This section is essentially the same, although offering a better exposure, as that at Sand Bluff Landing, above described. The Cretaceous portion of the cliff is nearly vertical and is even undermined in places. Springs come out all along the upper surface of the Cretaceous beds, making little waterfalls along the bluff.

Materials similar to the preceding were observed at Little Sugar Loaf Landing, milepost 65; Tom Smith's Landing above milepost 63, where a few dinosaur bones were observed; at Atkinson Landing, milepost 62, where one turtle plate was obtained, and at McCays Landing, milepost 61.

Walkers Bluff, milepost 60, presents a fine section of Black Creek materials, which is described in detail below. (See Plate IV, B, opposite p. 117.)

SECTION AT WALKERS BLUFF, MILEPOST 60, RIGHT BANK.

<i>Pleistocene:</i>	FEET.
Sunderland formation (?):	
Sandy loam	2
Mottled, reddish, and yellowish, arenaceous clay.....	1.5
(Unconformity.)	
<i>Pliocene:</i>	
Sand, clay, and shell marl.....	25
<i>Cretaceous:</i>	
Black Creek formation (?):	
Indurated layer of calcareous, fossiliferous sand rock. This is seen at the lower end of the bluff immediately below the Pliocene marl. Farther upstream it appears to be represented at the same level by loose, unconsolidated sand. Still farther upstream, where the slope is covered with vegetation, the river bank at low water is seen to be strewn with boulders of this fossiliferous rock which have fallen down from above. The fossils are mostly in the form of casts and are difficultly determinable	1
Black Creek formation:	
Loose, gray, cross-bedded sand, interstratified with fine layers of drab clay	2
Orange to yellow, cross-bedded sand, with a few thin laminae of drab clay	5
Thinly laminated drab clay, and orange, red, and drab cross-bedded sands, the sands predominating in the lower 5 feet.....	7
Thinly laminated, dark-blue clay, and dark drab to greenish-gray sand, very compact. The upper surface is nearly level, and the beds present an appearance strikingly different from all the	