

*dictya frondosa* and is designated as the *Ptilodictya frondosa* zone. This limestone by reason of its distinctive lithologic and faunal features can not be confused with any other bed. No outcrop of this rock has been observed in New York.

5 **Decker Ferry.** The 15 feet of limestones and shales lying above the red crystalline limestone have no characteristic fossil to mark it as a distinct zone. *Rhynchonella? lamellata* occurs abundantly, but this fossil has a considerable vertical range and in some sections extends up into the Rondout. This zone may be regarded as transitional into the Cobleskill limestone. Its stratigraphic position is that of the lower cement bed of the Rondout section, but in the Nearpass section there are no cement beds.

6 **Cobleskill formation.** Six feet of limestone characterized by an abundance of corals, such as *Prismatophyllum inequalis* Hall, *Halysites catenulatus* Linné. This zone by reason of similarity in lithologic features and fossil contents may be definitely correlated with the Cobleskill limestone of Schoharie county where it is typically developed, with a thickness of 6 feet.

7 **Cobleskill formation?** Above the 6 feet of limestone designated the Cobleskill there are 4 feet of limestone in thin beds separated by shaly layers. Though containing Cobleskill fossils, the abundance of ostracodes present indicates a change in the nature of sedimentation, due perhaps to the introduction of brackish water conditions which lasted throughout Rondout time.

8 **Rondout formation.** Above the Cobleskill limestone in the Nearpass quarry section there are 39 feet of shales and limestones. In general lithologic features this formation resembles the Rondout as developed in New York State, but the cement bed so characteristic at the base of the formation farther north is absent here. With the exception of several species of *Leperditia*, fossils are extremely rare. Future studies may show that the 4 feet of limestones and shales at the base of this formation and which have been provisionally included with the Cobleskill belong to the Rondout.